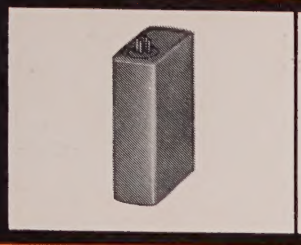
For Your Special Applications

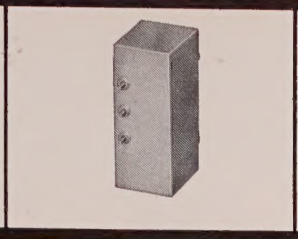
The bulk of UTC production is on special units designed to specific customers' needs. Illustrated below are some typical units and some unusual units as manufactured for special applications. We would be pleased to advise and quote to your special requirements.

FILTERS

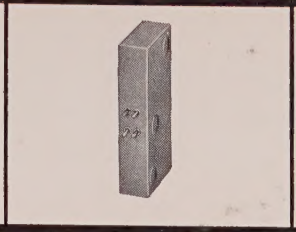
All types for frequencies from .1 cycle to 400 MC.



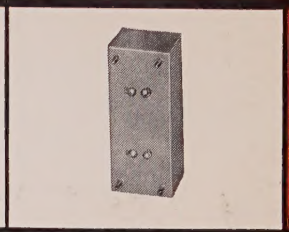
400 ∼ telemetering, 3 db at ± 7.5%, 40 db at 230 and 700 ∼, ⅝ x 1¼ x 2".



15 ∼ BP filter, 20 db at 30 ∼, 45 db at 100 ∼, phase angle at CF less than 3° from —40 to + 100° C.



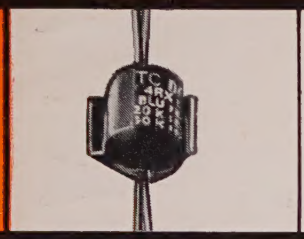
LP filter within 1 db to 49 KC, stable to .1 db from 0 to 85° C., 45 db at 55 KC.



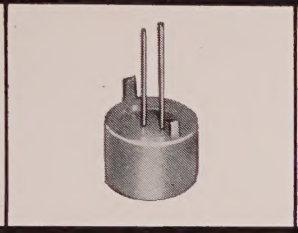
LP filter less than .1 db 0 to 2.5 KC, 50 db beyond 3 KC.

HIGH Q COILS

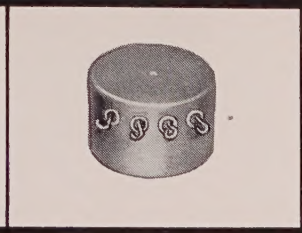
Toroid, laminated, and cup structures from .1 cycle to 400 MC.



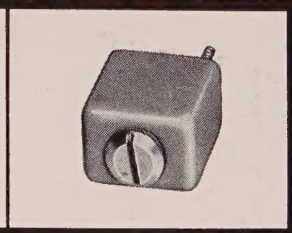
Tuned DO-T servo amplifier transformer, 400 ∼ .5% distortion.



Toroid for printed circuit, Q of 90 at 15 KC.



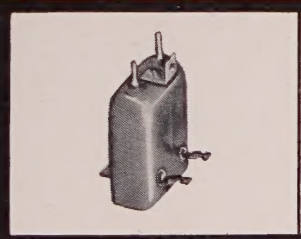
Dual toroid, Q of 75 at 10 KC, and Q of 120 at 5 KC.



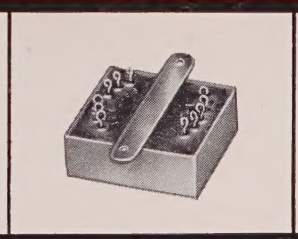
HVC tapped variable inductor for 3 KC oscillator.

SPECIALTIES

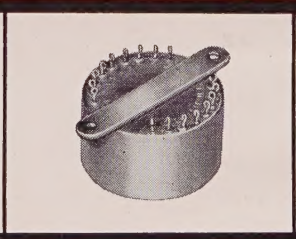
Saturable reactors, reference transformers, magnetic amplifiers, combined units.



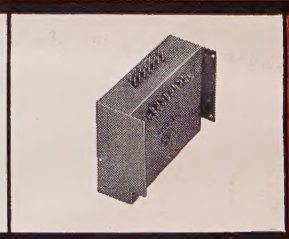
RF saturable inductor for sweep from 17 MC to 21 MC.



Voltage reference transformer .05% accuracy.



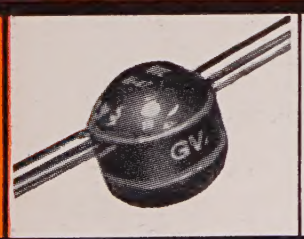
Multi-control magnetic amplifier for airborne servo.



Input, output, two tuned interstages, peaking network, and BP filter, all in one case.

PULSE TRANSFORMERS

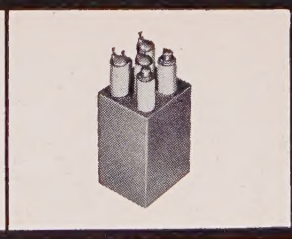
From miniature blocking oscillator to 10 megawatt.



Wound core unit .01 microsecond rise time.

Pulse current tansformer 100 Amp.

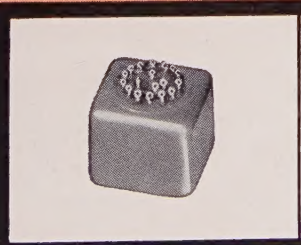
Pulse output to magnatron, bifilar filament.



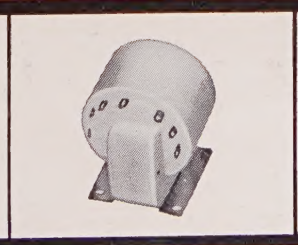
Precise wave shape pulse output, 2500 V. 3 Amps.

POWER COMPONENTS

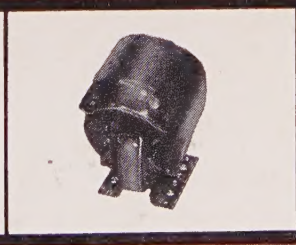
Standard and high temperature . . . hermetic, molded, and encapsulated.



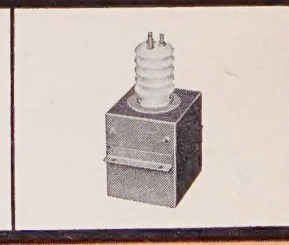
Multi-winding 140 VA, 6 KC power transformer 1¼ x 1¼ x 1"



200° C. power transformer, 400 ∼, 150 VA.



400 ∼ scope transformer, 20 KV output.



60 ∼ current limiting filament transformer, Sec. 25 Mmfd., 30 KV hipot.

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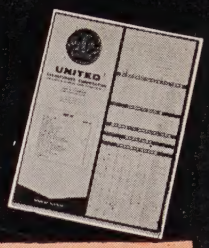
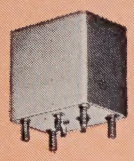


FILTERS

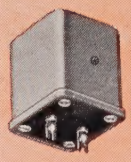


LOW PASS HIGH PASS BAND PASS 60 to 12000 CYCLES.

TELEMETERING 400 to 70000 CYCLES.

TELEGRAPH 425 to 2975 CYCLES.

HIGH Q INDUCTORS



VARIABLE STANDARD

VARIABLE HERMETIC

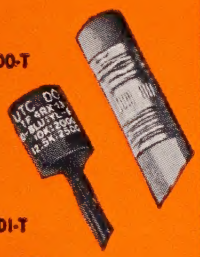
DECADE INDUCTOR

LOW FREQU. TO 2500 HYS.

PERMALLOY DUST TOROIDS HIGHEST Q, ACCURACY, STABILITY.

TRANSISTOR AUDIO

DO-T



DI-T

SMALLEST SIZE

MINIATURE HERMETIC HIGHEST POWER

COMPACT WIDE RANGE

OUNCER

PLUG-IN

ULTRA COMPACT

HERMETIC POWER COMPONENTS

Military, Industrial

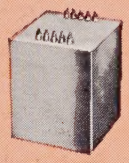
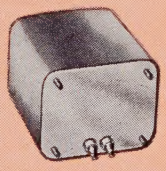
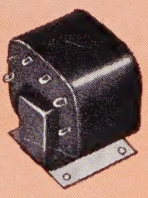


PLATE TO 6 KV CT

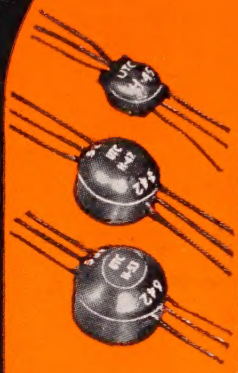


REACTORS TO 1.25A



FILAMENT 400 CYCLE

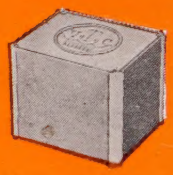
PULSE



MINIATURE, WOUND CORE, .05 TO 25 uSec.

HIGHEST FIDELITY

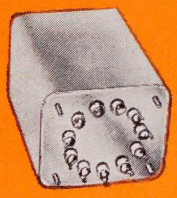
HIPERMALLOY



LINEAR STANDARD

BROADCAST AND HI-FI FAVORITES

TRANSISTOR POWER



INVERTERS TO 550V .2A FROM BATTERY

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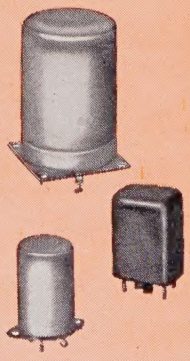

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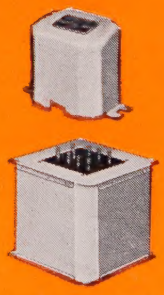

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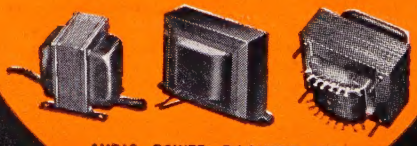

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Directories of government purchasers, military specifications, equipment nomenclature, industry organizations and their standards

Basic characteristics of electronic materials; a dictionary of schematic symbols; selected design reference sheets

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GENERAL ELECTRIC

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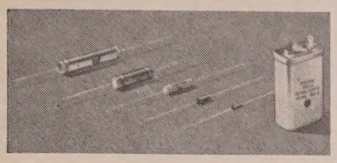
CAPACITORS



TANTALYTIC* CAPACITORS

General Electric tantalum electrolytic capacitors, with optimum characteristics and reliability, for computer, missile, ground-support equipment and airborne electronic applications where small size, light weight and superior performance are required.

High-voltage—Ratings up to 300 volts at 85C; to 250 volts at 125C. Capacitance: from 0.15 to 35 mfd, both polar and nonpolar. Maximum stability, low capacitance change. *Bulletin* **GEA-7065.**

125C KSR*—Ratings from 150 volts d-c from −55C to +85C; to 100 volts for 125C operation. Up to 50% lighter, 30% smaller. *Bulletin* **GEA-6766A.**

125C Cylindrical—Smaller, lighter single-case design for 125C operation. 10-150 volts, polar or nonpolar, with ratings to 7750 vuf. Special units available for 30G 2000cps. *Bulletin* **GEA-7085.**

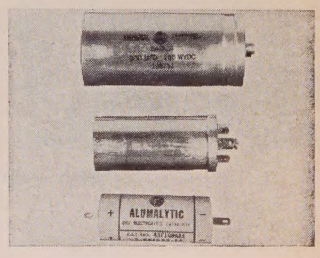
85C Wet-slug—Completely sealed porous anode provides lowest impedance, per unit volume, of any capacitor. From −55 to +85C. *Bulletin* **GEA-7008.**

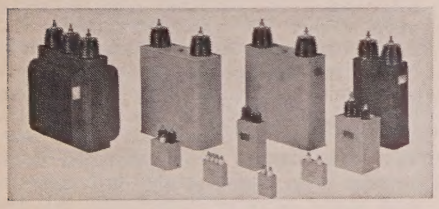
Solid—Small size, to .003 cu. in.; stable operating characteristics, long shelf life, and operating temperature from −55C to +85C; ratings to 50 volts d-c; capacities to 22 mfd. *Bulletin* **GEZ-2796.**

85C—Dependable operation over a temperature range of −55 to +85C. Polarized nonpolarized etched, or plain foil units with improved shelf life. *Bulletin* **GEC-808.**

ALUMALYTIC* CAPACITORS

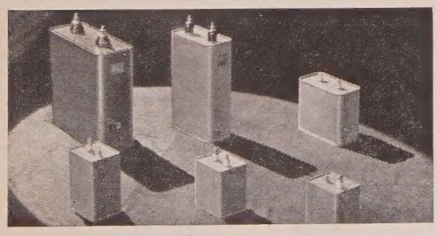
For radio, TV, and other communications equipment in tubular and 'twist-tab' styles, insulated or uninsulated, with a choice of leads and terminals. Voltages range from 30 to 450 d-c, with microfarad values up to 500 for service from 0 to +85C. "Computer-Grade" Alumalytic capacitors are used to provide "bulk" capacitance for computer power supplies. These high-reliability units offer microfarad ratings to 150,000 and voltage from 3 to 450 d-c, for operation in ambients of −20C to +65C. An expanded line of a-c Alumalytic capacitors for motor-start application is also available with ratings to 330 volts, a-c. *Bulletins* **GEZ-1912, GEA-6819,** *and* **GEA-7040.**





PULSE-FORMING NETWORK CAPACITORS

Capacitor networks of one or more sections and a like number of inductance coils provide discharge pulses of a specified energy content and duration. They convert an a-c or d-c charging source into the approximately rectangular wave output required in generating the high-frequency power pulse for commercial and military radar equipment. Operating voltages for the network range from 500 to 132,000 volts at temperatures from −55C to +125C. *Bulletin* **GEA-4996.**



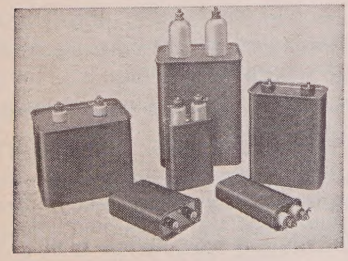
ENERGY-STORAGE AND DISCHARGE CAPACITORS

General Electric energy-storage capacitors are made in a wide range of ratings for phototube and similar light-duty applications. Nonoscillatory voltage ratings up to 5000 volts provide up to 800 watt-seconds. These units will meet NEMA Class 2 standards at ambients up to 40C, and have standard capacitance tolerance of ± 10 per cent.

For heavy-duty service, single units and large banks are custom designed and engineered for each application. Voltage ratings up to 100 kv d-c provide up to 1500 watt-seconds with series resonant inductance values as low as 0.01 microhenries. *Bulletins* **GEC-1357** *and* **GEC-1521.**

LECTROFILM†-B TUBULAR CAPACITORS

These nonmetallic cased tubular capacitors with Mylar‡ film dielectric offer extremely high reliability at temperatures up to 125C for minimum cost. It is designed for 44,000-hour life at recommended voltage and temperature. Ratings: 100 to 600 volts d-c; 0.0010 to .68 microfarads. Tolerances as low as ±5 per cent. For use in missiles, radar, computers, and mobile communications. *Bulletins* **GEC-1518** *and* **GET-2904.**



FIXED PAPER DIELECTRIC CAPACITORS

Standard Commercial Types—Fixed, paper-Pyranol* liquid dielectric capacitors for a-c/d-c applications such as blocking, by-passing, and power supply filters. Case Styles 60 and 70 units, rated from 100-50,000 volts d-c, and for 60 cycles from 236 to 660 volts a-c. Capacitance range from 0.05 to 120 microfarads.

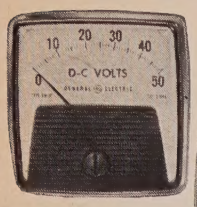
MIL-C-25A—Hermetically sealed in metallic cases for use in filtering, by-passing, and blocking applications. Case Style 70 units are available in ratings from 0.1 to 15 microfarads and 600 to 1500 volts d-c.

Permafil—Fixed dual-dielectric (paper and polyester film) capacitors for use over a wide temperature range of −55C to +125C. Ratings from 0.01 to 10 microfarads and 100 to 1500 volts d-c. *Bulletin* **GET-3032.**

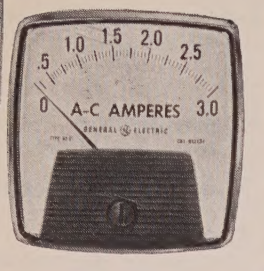
† *Trade-mark of General Electric Co.* ‡ *Trade-mark of DuPont Co.* * *Registered trade-mark of General Electric Co.*

▶ TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

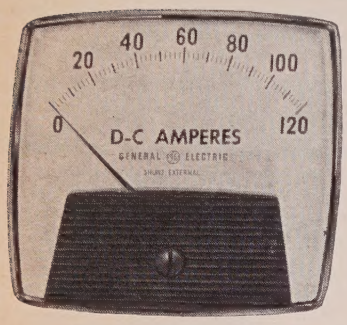
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



2½-inch size



3½-inch size



New 4½-inch size

PANEL METERS

General Electric general-purpose panel meters are particularly suitable for use in radio and communication equipment where accuracy and quality are required and space is at a premium. Featuring distinctive appearance, excellent readability, and reliable operation, the meters are available in 2½-, 3½- and 4½-inch sizes and in a-c and d-c ratings. These meters find wide usage where minimum frontal dimensions and minimum depth behind the panel are essential requirements. The accuracy of all these meters is ±2 per cent of full-scale. Voltmeters, ammeters, milliammeters, and microammeters are available in most required ranges.

Features

Built-in General Electric quality helps provide extra-long reliable life with these outstanding features:

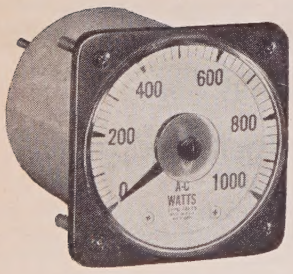
Shielded Mechanism—Self-shielding of all d-c movements allows mounting on magnetic or nonmagnetic panels without special calibration-cluster mounting bezel-to-bezel without interaction—and the effects of stray magnetic fields are minimized.

2½- and 3½-inch Units Completely Sealed—Internal parts and movements are protected from dirt, dust, and water. Cases are sealed with neoprene gaskets in air-conditioned assembly areas.

4½-inch Units feature a snap-off, snap-on cover for easy access to the scale, when required.

Pivots and Jewels—Moving parts are supported on rugged steel pivots which rotate in low-friction, highly polished glass jewels. *Write for Bulletin* **GEA-7034.**

LONG SCALE SWITCHBOARD INSTRUMENTS



Oblique front view of instrument showing the clearly visible, open scale

Combining advantages of a long-scale and shadowproof cover, these instruments are designed for general switchboard service where accuracy and maximum legibility are essential. Long-scale switchboard instruments are provided as voltmeters, ammeters, wattmeters, frequency meters, power-factor meters, varmeters, synchroscopes, and temperature meters. Other applications include those where it is desirable to read small changes in the measured quantity—such as speed indication.

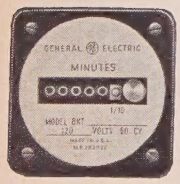
Features

Available in Types AB-18, 4¼ inches square, and AB-16, 8¾ inches square, their compact design affords maximum usage of available mounting space. Legible markings, bold tapered pointer, and scale lengths of 7.1 inches (AB-18) and 14.2 inches (AB-16) are all coordinated for maximum readability. The pointer tip is in the same plane as the scale markings, eliminating parallax errors.

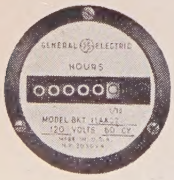
Instruments are magnetically damped, allowing quick readings and insuring permanency of characteristics. All moving systems have a through shaft to insure mechanical stability. Self-contained resistors simplify wiring transformer-rated instruments. Equipped with bearings which provide maximum protection to both jewels and pivots under all normal and many adverse conditions. All instruments are thoroughly shielded. Cases are dust-tight and moisture-resistant, for semiflush mounting, and they are constructed of a steel shell, with Texolite* base and die-cast cover. Instruments can be readily disassembled for inspection or repair. Accuracy is ±1% of full-scale value. *Write for Bulletin* **GEC-1507.**

**Registered trade-mark of General Electric Co.*

TIME METERS



Square meter



Round meter

The General Electric Type KT time meter is used to measure running time of electrical machinery or electronic equipment. This time record may then be used for preventive maintenance, to determine component life, for improved machine utilization, and to help determine production costs. The ever-increasing demand of industry for this kind of data makes it advisable to install time meters on many types of modern machinery.

Features

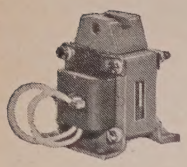
The General Electric Type KT time meter has the folowing distinct advantages:

- *Complete* line of round or square meters in 2½-inch or 3½-inch panel case, or conduit case and portable stand.
- *Counter* digits 2½ times as large as those found in other time meters.
- *6-digit* counter with last digit in tenths.
- *Reset* device available on any standard meter.
- *Mechanism* is entirely closed to resist dust and moisture contamination.
- *Sealed* model which meets military specification is available.

The Type KT time meter is supplied with a register to indicate: *minutes* and tenths of minutes; *hours* and tenths of hours. In ratings of 120, 240, and 480 volts, 60 or 50 cycles.

Write for Bulletin **GEA-6710.**

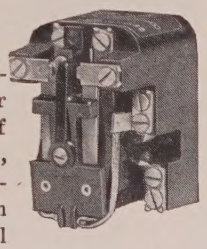
CONTROL ACCESSORIES



A-C OR D-C SOLENOIDS, CR9500

Simplify complex installations: in direct or remote control requiring short powerful thrusts. Wide selection: 24 different ratings to 40 lb at ½-inch stroke or to 36 lb at 1-inch stroke available in push- or pull-type operation and for use on a-c or d-c circuits up to 600 volts maximum. Used to push or pull in a straight line, or to provide mechanical motion at a remote or inaccessible location. They may be operated remotely from a push-button station or automatically by limit switches, pressure switches, float switches, or other pilot-circuit devices. *Write for Bulletin* **GEA-6215.**

GENERAL-PURPOSE RELAYS, CR2790E



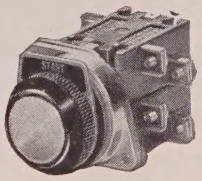
Used to control pilot circuits in response to remote-control switch or thermostat, or for direct control of small motors driving pumps, fans, etc., and as a f-hp motor starter, or in conjunction with a magnetic switch controlling larger motors, and signal systems. Comes in open-type or in general-purpose case. Explosion-proof and watertight cases available as kits. 3 contact arrangements available; double-pole, double-throw; double-pole, single-throw; single-pole, single-throw. Protection against hazard from restarts after power failures can be provided with the double-pole form when one pole is used as a holding interlock in the coil circuit together with a momentary-contact push-button station. Enclosed forms have convenient conduit entrances at top and bottom. *Write for Bulletin* **GEA-7021.**

PUSH-BUTTON STATIONS

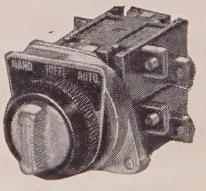
For control circuits of magnetic controllers designed for push-button control. Standard- and heavy-duty stations available which may consist of various combinations of momentary-contact buttons, maintaining-contact buttons, selector switches, and indicating lights, for surface or flush mounting. Standard-duty station recommended for use with contactors rated up to and including 150 amp. *Write for Bulletin* **GEA-6544.**

OILTIGHT PUSH-BUTTON UNITS, SELECTOR SWITCHES, INDICATING LIGHTS

A push button with building-block construction. This provides flexibility to meet requirements for special units by simple combination of the basic elements, which consist of separable operators, a removable color ring for identification, and a basic contact block. Operators and contact blocks are furnished separately. Single, double, or tandem contact blocks are quickly and easily attached to any type of operator. A complete line of oiltight stations, units, selector switches, and indicating lights is offered. *Write for Bulletin* **GEA-5779.**



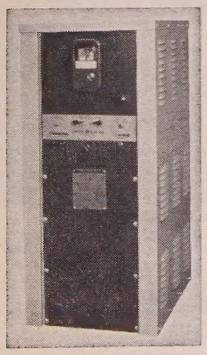
Push-button unit

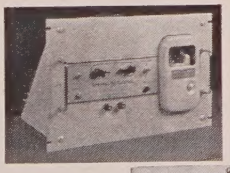


Selector switch

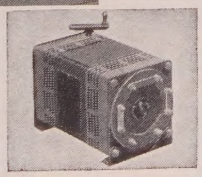
Indicating light

INDUSTRIAL VOLTAGE REGULATORS





RACK-MOUNTED



HAND-OPERATED

AUTOMATIC

Inductrol* Regulators Provide Stepless Voltage Control; No Harmful Waveform Distortions

FEATURES: No brushes to wear out! No tubes to replace! No routine maintenance! High efficiency and short-circuit strength!

The General Electric Inductrol voltage regulator can be used to hold a constant load voltage accurately when supplied from a fluctuating supply, or can provide a variable load voltage from a relatively constant supply.

In dry-type construction for circuits up to 600 volts, liquid-filled up to 13,800 volts. Capacities—300 VA and above.

Sta-Vo-Trol** Regulators Provide Automatic Voltage Control for Critical Loads

FEATURES: Static design—zener diode sensing! No moving parts—maintenance free! Unique rate-feedback! Rapid response! Remote sensing! Compact size!

The General Electric Sta-Vo-Trol static voltage control maintains constant voltage automatically—regardless of line or load changes. Its design eliminates tubes, brushes and moving parts.

This new General Electric Sta-Vo-Trol regulator has an adaptable input range—fulfilling most application requirements—of 95 to 135 volts single-phase, with a normal output of 115 volts. Output is adjustable from 110 to 120 volts.

For details or assistance, write to Section 998-9, General Electric Company, Schenectady 5, N. Y., or contact your nearest G-E Apparatus Sales Office.

Sta-Vo-Trol regulator for rack mounting. Cabinet model for bench applications is also available.

**Registered trade-mark of General Electric Company.* ***Trade-mark of General Electric Company.*

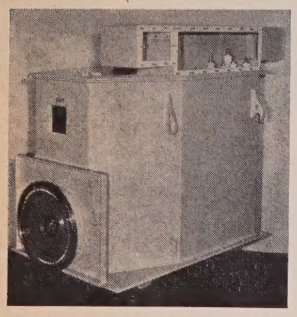
GENERAL ELECTRIC APPARATUS SALES DIVISION
1 RIVER ROAD, SCHENECTADY 5, N. Y.

HIGH-VOLTAGE MAGNETIC COMPONENTS FOR ELECTRONIC EQUIPMENT

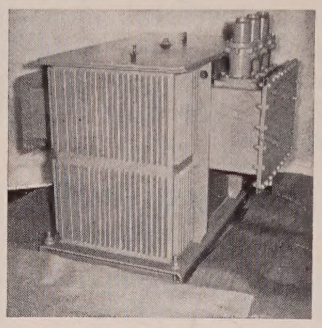
Including high-voltage specialty transformers, custom d-c power supplies, and packaged modulators for military and commercial electronic application.

Your special high-voltage equipment requirements are our standard business—pulse and rectifier transformers, filter and charging reactors, packaged modulators, d-c power supply systems, and testing equipment such as dummy loads. *Write for Bulletin* **GEZ-2910.**

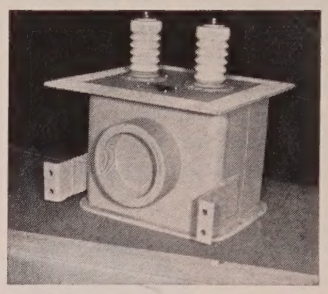
Typical Liquid-Filled High-Voltage Specialty Transformers



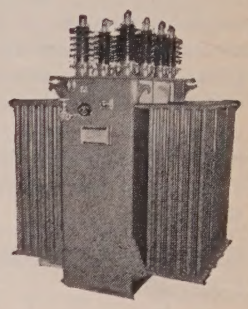
Radar pulse transformer with 250 kv epoxy bushing developed by General Electric Co.



Rectifier transformer with pot-head connectors in secondary.

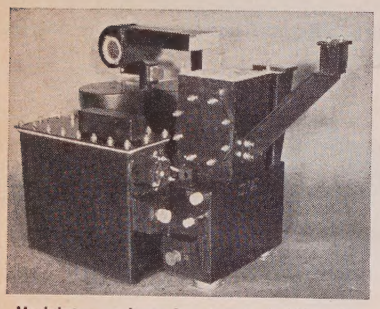


Charging reactor — Bellows design for all-angle operation to meet MIL-T-27A requirements.

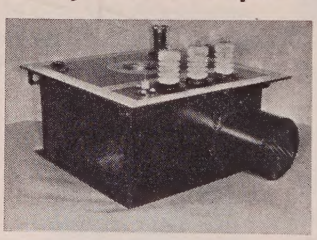


Rectifier transformer for outdoor use rated 40/20 kv, 20/40 amperes, used for tube testing.

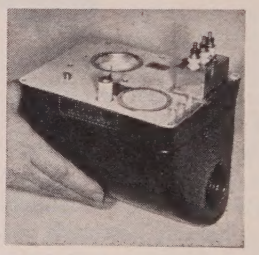
Typical Hermetically Sealed Liquid-Filled Packaged Assemblies



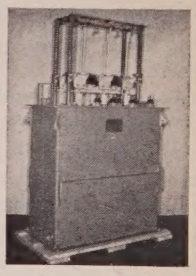
Modulator package has input of 187 volts a-c and gives a pulsed d-c output at 333 pulse per second 825-kw peak at 27 kv peak.



Modulator block with pulse transformer insulated for 100 kv, charging reactor, magnetron and diode filament transformers and saturating reactor. Air-borne all-angle operation.

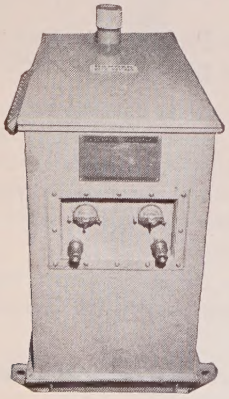


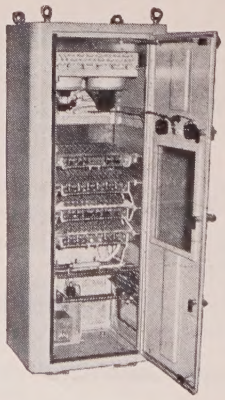
Modulator package contains pulse, filament reactor and pulse forming network for all-angle air-borne operation.

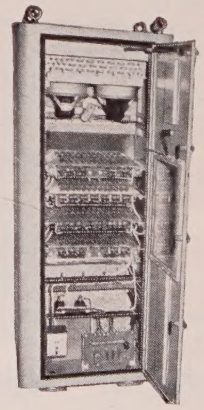


Packaged rectifier and filament transformer including mounting for rectifier to give output of 11.7 kv at 18 amperes for induction-heating application.

Power Supply Systems







Typical of General Electric's custom-built line of d-c power supply systems is the 8.5–80 ampere silicon diode system shown above. Each unit is engineered to meet your specific requirements. Depending on your individual needs, our integrated power supply can include the following features:

1. Fast-acting circuit breakers or vacuum switches.
2. Continuously variable output voltage.
3. Hermetically sealed rectifier transformer.
4. Rectifier package including high-vacuum mercury-vapor tubes or silicon rectifiers.
5. Filtering network to reduce output ripple from 5 per cent to 0.015 per cent RMS if required.
6. Auxiliary circuits to protect individual components in power supply.
7. Crow-bar circuits to "dump" energy storage banks in milliseconds or less when a short circuit appears in the load.
8. Completely engineered system with each component integrated into the complete power supply.

For information contact your nearest G-E Apparatus Sales Office or High Voltage Specialty Transformer Section, General Electric Co., 60 Jackson Street, Holyoke, Massachusetts.

APPARATUS SALES DIVISION
1 RIVER ROAD, SCHENECTADY 5, N. Y.

GENERAL ELECTRIC

GENERAL ELECTRIC ANNOUNCES...

TWO NEW, ULTRA-SMALL RELAYS

From the company which first introduced the revolutionary micro-miniature relay in 1955 come two more important new developments in sealed-relay miniaturization.

General Electric has added the world's smallest one-amp relay, the single-pole Unimite, and a new four-pole micro-miniature to its sealed-relay line. Both new relays incorporate an important advance in relay manufacture. No solder and no solder flux are used anywhere in either relay's structure. A new inert-arc welding process seals headers to cans, eliminating a major cause of contact contamination.

The new Unimite and four-pole relays lend themselves admirably to printed-circuit-board work. The Unimite relay can be soldered into the board or is available for stud, lug, or bracket mounting. Its flexible leads can be formed or fanned for any circuit requirement. The four-pole relay terminations are on 0.2 inch centers in accord with the popular grid-spaced pattern.

These new relays, combined with a full line of miniature and double-pole micro-miniatures, offer equipment designers a new dimension in relay flexibility. Both new relays meet or exceed applicable requirements of MIL-R-5757 and MIL-R-25018.

All General Electric sealed relays combine minimum size with unmatched reliability under severe shock, vibration, and temperature conditions. For complete information on G.E.'s full line of sealed relays, contact your G-E Apparatus Sales Office.

General Electric Co., Specialty Control Dept., Waynesboro, Va.

Progress Is Our Most Important Product

GENERAL ELECTRIC

GENERAL ELECTRIC RECEIVING TUBES

FIVE STAR High Reliability Tubes for Critical Applications

Classification			Gm μmhos	Tube Type	Prototype	Applicable MIL-E-1 Specification	Typical Applications
Diodes	Low Current Rectifiers		——	5726	6AL5	5726/6AL5W 5726/6AL5W/6097	Detector, AGC Power Rectifier
			——	5896 ◈	None	5896	Detector, AGC Power Rectifier
	Full-wave Power Rectifiers		——	6087 # †	5Y3GT	None	Power Rectifier
			——	6202 *	6X4	6X4WA	Power Supplies with low d-c output
			——	6203	None	6203	Power Supplies with low d-c output
Triodes	Single	27	5800	5718 ◈	None	5718	High Frequency Oscillator General Purpose Amplifier
		70	1700	5719 ◈	None	5719	A-F Voltage Amplifier
		μ: 17	2400	6100	6C4	6100/6C4WA	General Purpose Amplifier and Oscillator
		70	1700	6222	None	6222	Low Microphonics A-F Amplifier
		29	6000	6814	None	6814	Computer Service
	Twin	35	5500	5670	2C51 ‡	5670 and 5670WA	General Purpose
		17	2200	5814-A	12AU7 ‡	5814-A	General Purpose Amplifier
					None	5814WA	Multivibrator, & Oscillator
		35	5400	6021 ◈	None	6021	General Purpose Amplifier
		20	5000	6111 ◈	None	6111	General Purpose Amplifier
		μ: 17	4000	6386	None	None	Cascode R-F Amplifier, I-F Amplifier, or Mixer,—for AGC
		70	1200	5751	12AX7 ‡"	5751 and 5751WA	A-F Voltage Amplifier
		44	1750	6072	12AY7 ‡	6072	Low Noise A-F Amplifier
		70	1800	6112 ◈	None	6112	A-F Voltage Amplifier, Phase Inverter
		60	5500	6201	12AT7	12AT7WA	General Purpose
		42.5	5550	6414	None	6414	Computers - High Speed Counter or Amplifier
		47	6700	6829	5965	6829	Computers - High Speed Counter or Amplifier
Pentodes	Voltage Amplifiers	Sharp-Cutoff	5000	5654	6AK5	5654/6AK5W 5654/6AK5W/6096	High Frequency Amplifier, & General Purpose
			5000	5840 ◈	None	5840	High Frequency
			5200	6136	6AU6	6AU6WA and 6AU6WB	High Gain R-F & I-F Amplifier
			5000	6205 ◈	5840 □	6205	High Frequency
			4600	6265	6BH6 ‡	None	High Frequency
			16500	6688	None	6688 and 6688A	Wide Band R-F Amplifier
		Remote-Cutoff	4400	5749	6BA6	5749/6BA6W	High Gain R-F & I-F
			4500	5899 ◈	None	5899	High Frequency Amplifier
			4500	6206 ◈	5899 □	6206	High Frequency Amplifier
		Dual-Control	3200	5636 ◈	None	5636	Gated or Gain Controlled Amplifier, Mixer
			3200	5725	6AS6	5725/6AS6W	Gated or Gain Controlled Amplifier, Delay, Mixer
	Power Amplifiers		3100	5686	None	5686	Class A Audio, Class C R-F
			4200	5902 ◈	None	5902	A-F & Video Amplifier
			4100	6005	6AQ5	6005/6AQ5W 6005/6AQ5W/6095	A-F Power Amplifier
Heptodes	Converters		——	5750	6BE6	5750/6BE6W	Combined Mixer & Oscillator
Thyratrons			——	5727	2D21	5727/2D21W	Relay, Grid-Controlled Rectifier

◈ Subminiature # Glass, Octal base " Higher Mu □ G_3 tied internally to K
‡ Unipotential cathode and lower tube drop * Reduced peak and output current ratings ‡ Heater current approximately 17% lower

GENERAL ELECTRIC CERAMIC TUBES

For Commercial & Military Application

Type	Classification	Plate Current in ma	Transconductance in micro-MHOS	Max. Plate Dissipation in Watts	Typical Application
7077	Triode	6.5	10000	1.0	Low noise, high gain, high frequency amplifier
7266	Diode	Max. DC Output current = 2.0 ma Max. Steady state peak plate current = 10 ma			High impedance, high frequency detector
7296	Triode	15	15000	3.3	VHF power amplifier
7462	Triode	7.2	10500	1.0	Small, low noise, high frequency amplifier
7486	Triode	7.5	10500	1.0	High frequency multiplier and oscillator
7625	Triode	0.95	1400	0.8	Low microphonics, high impedance high voltage gain amplifier (M-80)

INFORMATION ON A COMPLETE LINE OF RADIO, TELEVISION, AND HIGH FIDELITY TYPES IS AVAILABLE AT THE OFFICES OF THE RECEIVING TUBE DEPARTMENT

tubes

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tubes

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First Choice

FOR MILITARY AND COMMERCIAL APPLICATIONS

Products of the General Electric Power Tube Department include:

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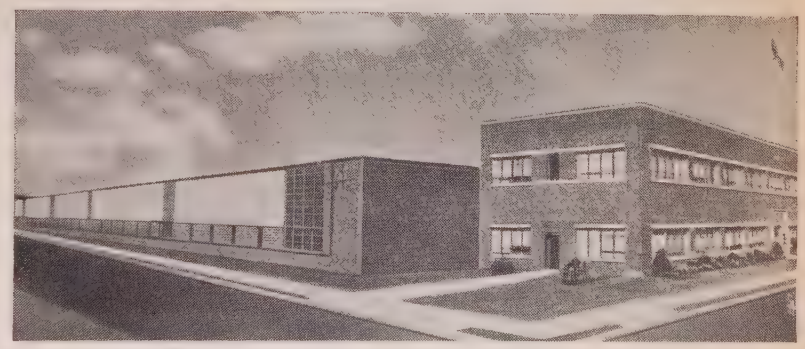
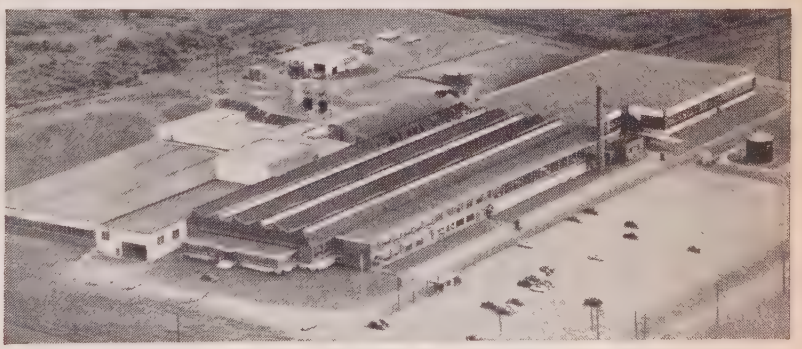
- Klystrons
- Magnetrons
- Thyratrons
- Voltage-Tunable Magnetrons
- Metal-Ceramic Tetrodes
- Camera Pick-up Tubes
- Traveling-Wave Tubes
- Parallel-Plane Microwave Tubes
- High-Power Duplexers
- High-Power Waveguide Filters
- Special Purpose Tubes

G-E MICROWAVE LABORATORY AT PALO ALTO, CALIF. Extensive developmental programs covering microwave tubes and techniques are carried out in these modern facilities.



G-E POWER TUBE PLANT AT SCHENECTADY, N. Y. Here, tube design leading to factory production is accomplished; here, also, are produced the larger, more complex products.



G-E POWER TUBE PLANT AT SCRANTON, PA. High-volume tubes such as thyratrons and parallel-plane tubes are precision-manufactured here in this 213,000-square-foot plant.

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GENERAL ELECTRIC

9545-8481-26

CHECK-CHART FOR GENERAL ELECTRIC ELECTRONIC WIRE AND MAGNET WIRE

These two charts give you the principal data on General Electric's comprehensive line of single-conductor electronic wire and magnet wire. Cut along the dotted line and save for future reference.

G-E ELECTRONIC WIRE

Mil. Spec.	Application	Basic Insulation	Voltage	Conductor Temp.	Awg. Sizes
MIL-W-5086A	Aircraft electrical use Type I, II, and III	Flamenol*	600	105 C	2/0-22
MIL-C-7078A	Similar to MIL-W-5086A except shielded (Type I) or shielded and jacketed (Type II)	Flamenol	600	105 C	2/0-22
NAS 702	Aircraft or missile inter-connection wiring, plain, or shielded and jacketed	Flamenol	600 1000 2500	105 C 105 C 105 C	16-26 8-26 8-26
NAS 703	Aircraft or missile inter-connection wiring, plain, or shielded and jacketed	Teflon†	600 1000	200 C 200 C	30-12 30-12
MIL-C-25038 (USAF)	Aircraft high-temperature electrical use where resistance to flame is desirable	Asbestos-glass Teflon	600	750 F	12-20
MIL-W-8777A (ASG)	Aircraft high-temperature electrical use	Silicone Rubber	600	200 C	6-22
MIL-W-7072	Aluminum conductors, otherwise similar to MIL-W-5086A	Flamenol	600	105 C	2/0-8
MIL-W-16878C (Navy) Types B, C, and D	For internal wiring of meters, panels, and electronic equipment	Flamenol	1000 3000 600 1000 3000	105 C 105 C 115 C 115 C 115 C	14-24 6-24 16-26 14-24 6-24
Types E and EE		Teflon	600 1000	200 C 200 C	12-30 12-30
Types F and FF		Silicone Rubber	600 1000	200 C 200 C	12-24 6-24
Type N		Nylon	75	80 C	20-26
MIL-W-7139A	Aircraft electrical use, with high resistance to flame and overloads	Teflon glass, Teflon	600	400 F	6-22
MIL-W-76A	General-purpose electronic hook-up wire	Flamenol	300 1000 2500	80 C 80 C 80 C	24-20 24-12 22-6
MIL-C-17B	A miniature coaxial cable for radio frequency transmission lines in radar and communications systems	Teflon	1000 1200 1200 1500	200 C 200 C 200 C 200 C	RG-196/U RG-187/U RG-188/U RG-195/U

CHECKLIST FOR GENERAL ELECTRIC MAGNET WIRE

Type	Temperature	Class
Formex*	105 C	A
Polyurethane	105 C	A
Nylon	105 C	A
Deltabeston*	130 C	B
Asbestos-insulated Deltabeston	130 C	B
Glass-insulated Deltabeston	130 C	B
Dacron & glass	130 C	B
Alkenex**	155 C	F
Deltabeston with silicone-impregnated glass	180 C	H
Deltabeston with silicone-impregnated asbestos	180 C	H
Teflon	180 C	H

In addition, General Electric produces many types of custom-built multi-conductor cables for rockets, missiles and weapon systems to meet special requirements that are approved under MIL-C-13777B Type D and Type F.

*Registered Trade-mark General Electric Co.
**Trade-mark General Electric Co.
†DuPont Trade-mark.

General Electric offers the most complete line of magnet wire and electronic wire and cable obtainable, including the most up-to-date types for industrial automation and process control. For further information on any of the types which appear in the chart, write to the Wire and Cable Department, Section W264, General Electric Company, Bridgeport 2, Connecticut.

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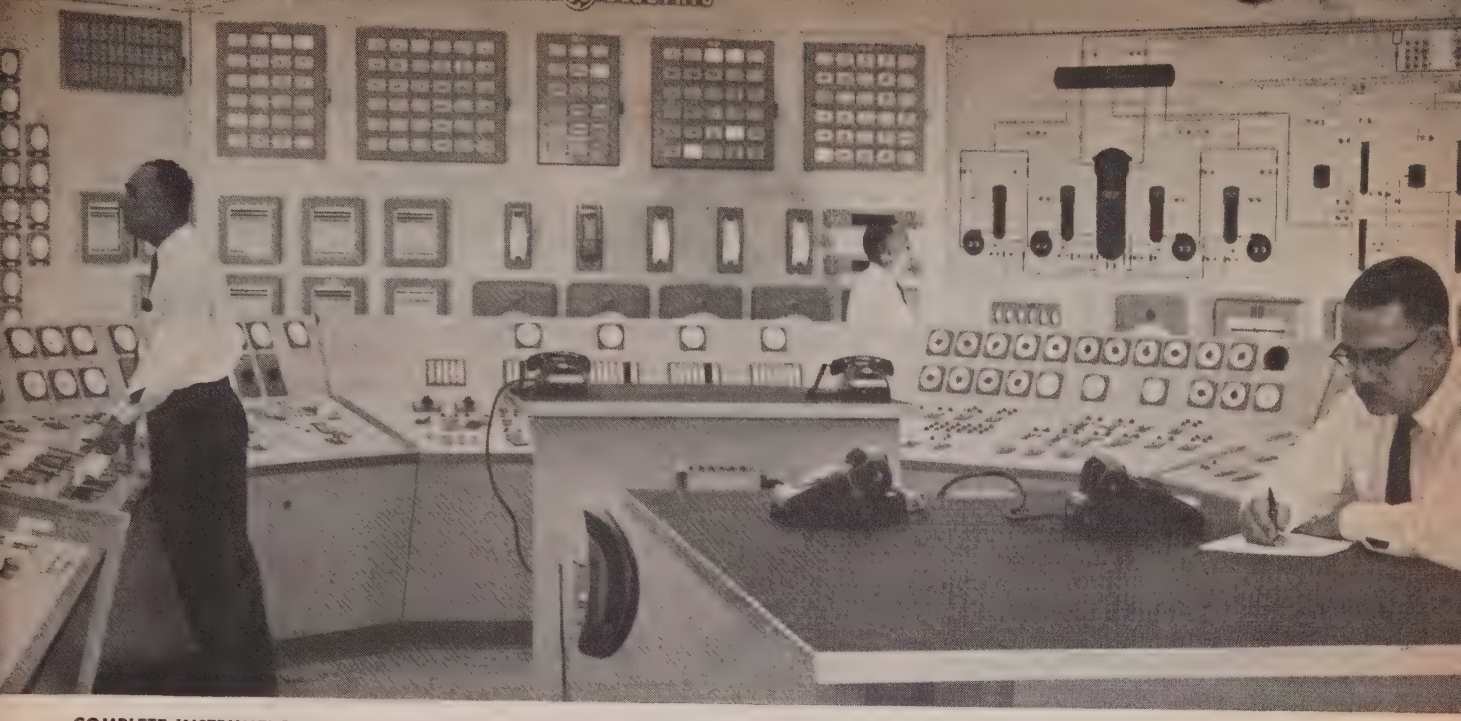

COMPLETE INSTRUMENTATION SYSTEMS, such as this one at the Dresden Nuclear Power Station, and individual instruments for wide application are engineered, built, and tested by General Electric at the Atomic Power Equipment Department in San Jose, California.

General Electric nuclear instrumentation . . .

Proven in 19 operating reactors

General Electric's complete nuclear instrumentation systems have been "proven-in-service"—world-wide—in 19 operating reactors.

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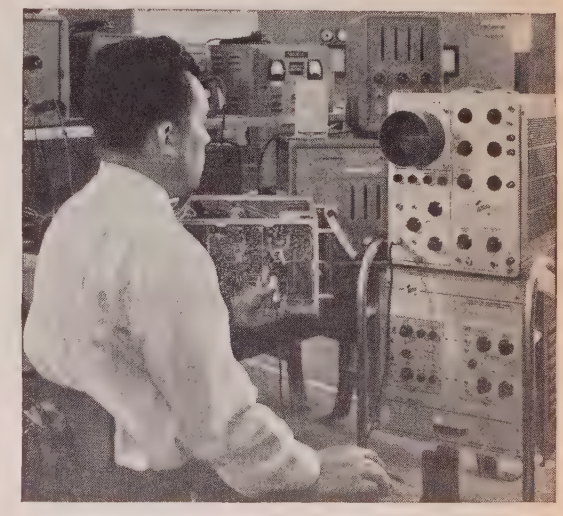
For further information on General Electric's nuclear instruments and complete reactor instrumentation systems, contact your nearby Apparatus Sales Office or write to General Electric Company, Schenectady 5, N. Y. Outside the United States and Canada, write to International General Electric Company, 150 East 42nd Street, New York 17, N. Y. 133-01



TESTS FOR ACCURACY and speed of response beyond specifications are standard at General Electric. Durability and maintenance-free operation are "built-in."

Nuclear instrumentation now available from General Electric includes:

SYSTEMS

1. Complete reactor control systems
2. Safety systems
3. Radiation monitoring equipment
4. In-core instrumentation

COMPONENTS:

1. Stable micromicroammeter
2. High-voltage power supply
3. Log-N Period amplifier
4. Log count rate meter
5. Log count rate meter with period
6. Linear count rate meter
7. Preamplifier
8. Flux amplifier
9. Actuator amplifier
10. Logic elements

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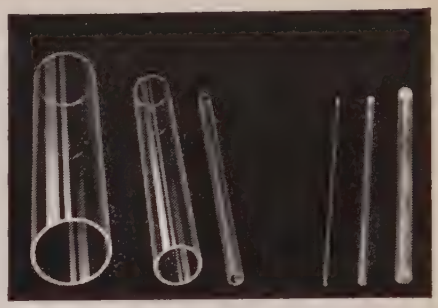
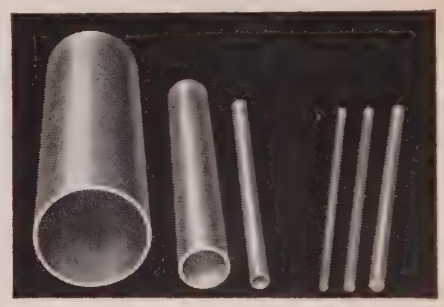
Fused Quartz

FUSED QUARTZ COMPONENTS of high purity—*in stock* from a single source. Wide variety of semi-conductor grade crucibles, boats, test tubes and furnace tubes.



CLEAR TUBING AND ROD—Can be secured from stock in a complete range of sizes—special sizes also available to meet your exact specifications.



TRANSLUCENT TUBING AND ROD—*In stock* for immediate delivery in a wide range of sizes. Available in random or cut lengths to fit your requirements.

GENERAL ELECTRIC MANUFACTURES AND STOCKS A COMPLETE RANGE OF:

- Standard Taper Joints
- Capillary Tubing
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- Combustion Tubes
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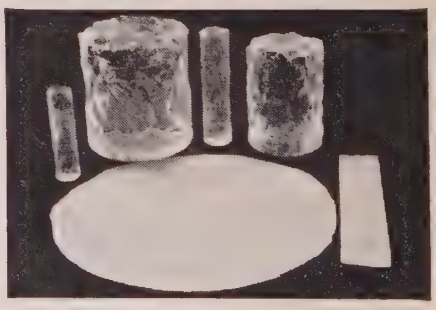

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Fully-transistorized FS-1100T Frequency Standard: Normal output is 1.0 mc. and 100 kc. simultaneously with 1 volt available to 50 ohm loads. Provides minimum stability of 5×10^{-10} per day after initial aging. Features double proportional control oven.

Companion FS-1100TP Power Supply: Operates on 115 V. AC. Features internal nickel-cadmium battery for stand-by power up to 12 hours. Permits transport of operating unit.

Supplemental FS-1100TD Frequency Divider: All sub-harmonics commonly used — 1000 cycles, 400 cycles, 60 cycles — have same order of stability, 5×10^{-10} per day or better. Frequencies as low as 1 pulse per second available.

Time-proven FS-1000 Frequency Standard: (not shown): 1 mc. tube type precision frequency standard for 100 volt AC operation. Stability of 1×10^{-9} per day or better. Optional divider and multiplier outputs available. Ideal for laboratory uses.

J K OSCILLATORS

Compact, precision plug-in signal sources. 60 cps through 75 mc. Sine and square wave outputs. Stabilities 1×10^{-6}/Day to 1×10^{-8}/Day. Silicon transistors.

JKTO-PIP: For frequency stability of 1 part in 100 million per day, under normal conditions. Transistorized proportional control oven, hermetically-sealed, shock and vibration resistant. Other frequencies available on special order.

JKTO-PIA: Meets applicable aircraft equipment specifications with maximum frequency deviation of 4×10^{-7}. Long-life oven. Hermetically-sealed.

JKTO-9: Popular, compact, general-use, wide-range oscillator.

J K THERMYSTALS

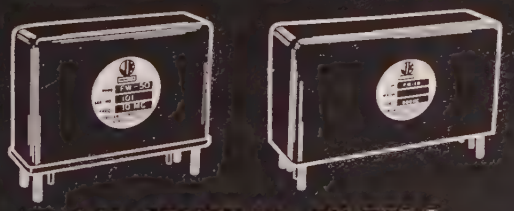
Precision-matched crystal and oven combination: Maximum stability, accurate calibration and high "Q" Type JKO23T: Frequency range 50 kc to 400 kc with stability of 1 PPM. Frequency range 950 kc to 1200 kc with stability of 1×10^{7}. Other models available.

J K OVENS

Versatile, precise, compact: Available with snap-action or glass-sealed thermostats, or proportional control, depending on application. Wide range of sizes and shapes, for virtually any requirement.

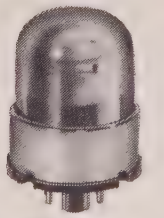
FREQUENCY MANAGEMENT

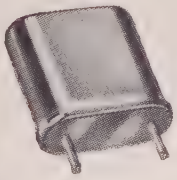
CERTIFIED PERFORMANCE



J K CRYSTAL FILTERS

Compact, rugged, hermetically-sealed and stable: Frequency Range 1 kc. to 40 mc., available to 150 mc. Band widths as narrow as .01%, and up to as high as 10%, for certain frequencies.





J K CRYSTALS

Precision Glasline Crystals: From 1 kc. to 150 mc. Designs for frequency standards available at 1 mc. to 5 mc. (with stabilities of 1×10^{9}) and at 100 kc. (with stability of 1×10^{8}).

Military Crystals: Meet all requirements outlined in specifications — MIL-C-3098B, MIL-C-16C, MIL-C-17167, etc.

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Where there must be no slipups, there will be no slipups, if you rely on CAMBION components! They're unconditionally quality guaranteed!

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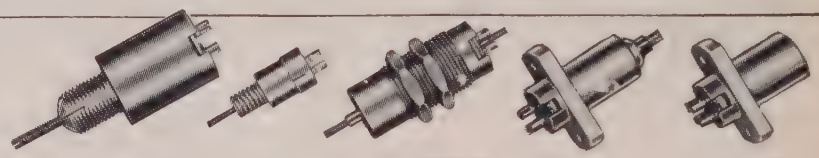
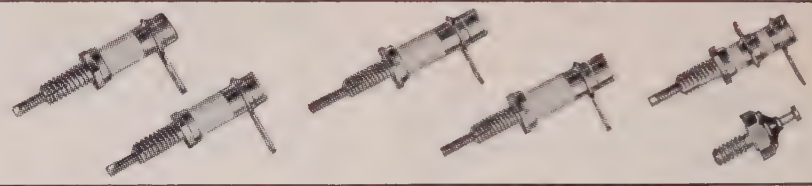
CAMBION QUALITY SHIELDED COIL FORMS

Miniaturized. Highly shock resistant. Mechanically enclosed, completely shielded for maximum reliability.



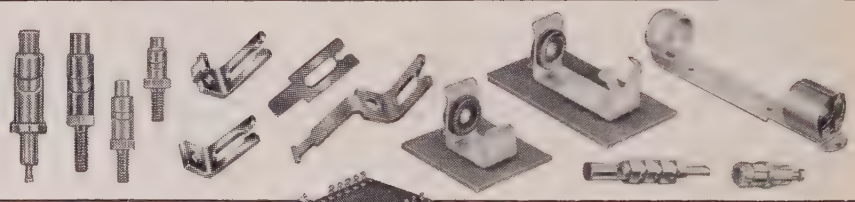
CAMBION QUALITY CAPACITORS

Miniaturized Variable Ceramic Capacitors that outperform much bigger capacitors. (*Extreme right*): Stand-Off Capacitors with ceramic dielectric. Rugged R-F by-pass capacitors for high quality equipment. Shock-, vibration-, humidity-resistant.



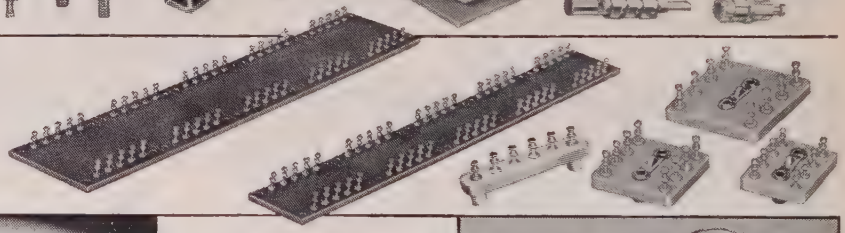
CAMBION QUALITY DIODE CLIPS

Seven different types, including rivet and spring-loaded units primarily for holding fragile pigtail leads from .005″ to .085″ in diameter. Also, one-, three-, and five-cell battery clips and miniature plugs and jacks.



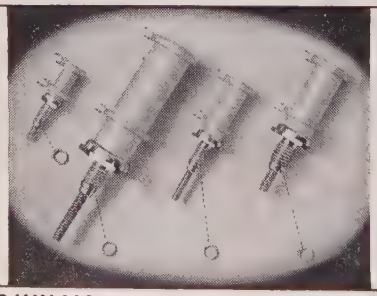
CAMBION QUALITY TERMINAL BOARDS

Custom-made, standard all-sets, standard ceramics. Variety of materials available — paper, cloth, nylon, glass laminates — phenolic, melamine, epoxy, silicone resins. Moisture- and fungus-proofed.



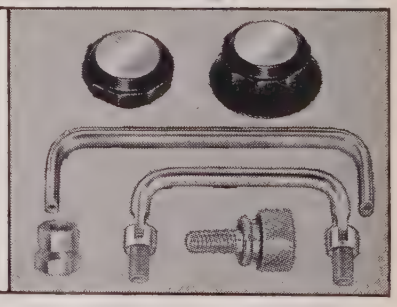
CAMBION QUALITY PERMA-TORQ® COIL FORMS

Constant-tensioning devices for tuning cores of standard CAMBION ceramic coil forms. Keeps coils tuned as set despite shock, vibration.



CAMBION QUALITY KNOBS AND PANEL HARDWARE

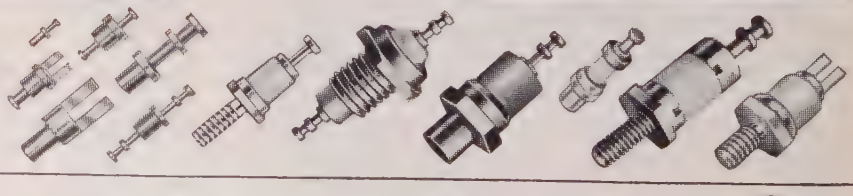
Selected materials, carefully processed and finished. Metal parts polished before plating. Hard-wearing surfaces, lasting lusters.



CAMBION QUALITY TERMINALS

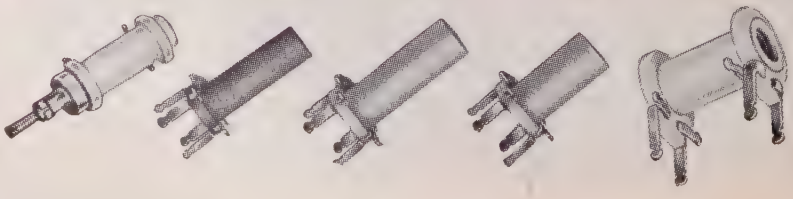
Wide variety of stand-off and feed-through types, standard and insulated. Teflon*, ceramic, and phenolic types highly resistant to shock, vibration, moisture and heat. Easy staking solder terminals hold despite prolonged soldering.

*DuPont Registered Trademark



CAMBION QUALITY PRINTED CIRCUIT COIL FORMS

Phenolic and ceramic types. Can be soldered after mounting. Available as forms alone or wound as specified. Two- to six-terminal models.



1960 SHORT FORM CATALOG

HEWLETT-PACKARD COMPANY
PALO ALTO CALIFORNIA

hp offers complete coverage in

hp 185A DC to 500 MC

This revolutionary new sampling oscilloscope gives you fatigue-free viewing of *repetitive short pulses requiring a bandwidth up to 500 MC.* A rise time of less than 0.7 mμsec permits direct measurement and observation of fast phenomena. Bright, traces are provided even at repetition rates of 50 cps.

Dual Trace Amplifier

Model 187A Dual Trace Amplifier (plug-in), permits observation and comparison of two high speed phenomena simultaneously, or highly accurate time measurements. Both channels have independent sensitivity and positioning controls; may be used separately. Vertical sensitivity is 10 mv/cm to 200 mv/cm; vernier increases sensitivity to 3 mv/cm. Dynamic range is wide; 3 MC to 2 v peak. New-design 100,000 ohm probes minimize circuit loading.

0.1 mμsec/cm to 100 mμsec/cm

Horizontal sweep speeds range from 0.1 mμsec/cm (with expander) to 100 mμsec/cm. Delayed sync pulse (on front panel) is available for triggering circuits under test. X–Y recorder output permits permanent records of high-speed phenomena. Other features: time and amplitude calibrators, beam finder, traditional panel arrangement.

Typical Measurements

Model 185A is particularly useful in measuring transistor response time, memory-unit and diode switching time, determining pulse jitter and analyzing and comparing millimicrosecond signal components.

hp 160B - DC to 15 MC

New hp 160B, guided by exacting MIL specifications, is presented as the most dependable, widely useful oscilloscope available.

A new design approach using two sets of plug-ins insures maximum versatility, yet does not require you to buy circuitry you do not need.

X-Y Recorder Output

New horizontal (time axis) plug-ins include hp 166C Display Scanner making the 160B the world's first general purpose scope with an X–Y recorder output. This output covers the full scope bandwidth and makes possible high resolution, permanent X–Y records of repetitive waveforms. Another plug-in, hp 166D Sweep Delay Generator, offers a unique mixed sweep feature permitting detailed analysis of one pulse in a wave-train, while retaining display (on a slower time scale) of the entire wave preceding the pulse of interest.

Dual Trace Amplifier

New vertical plug-ins will permit scope operation under widely varying input conditions. Typical is hp 162A Dual Trace Amplifier, 20 mv/cm unit permitting simultaneous viewing of two phenomena or differential amplification of signals from dc to 14 MC.

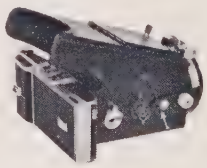
Model 160B uses premium components and latest design techniques throughout. 24 calibrated sweep times, 0.1 μsec/cm to 5 sec/cm, ± 3% accuracy. 7 step magnifier increases fastest sweep to 0.02 μsec/cm. Internal, line voltage or external trigger; horizontal sensitivity 0.1 v/cm to 10 v/cm; vernier to 25 v/cm.

hp 150A/AR - DC to 10 MC

Models 150A/AR are intended as the most broadly useful, convenient high quality 10 MC scopes offered. A variety of plug-ins (see below) provide dual trace or differential input, or high amplification eliminating preamplifiers on input from most transducers.

Automatic Trigger

Sweep Range 0.02 μsec/cm to 15 sec/cm; 24 sweeps 0.1 μsec/cm to 5 sec/cm, 3% accuracy. Internal, line voltage or external triggering, pos. or neg. slopes. Has sweep magnifier, vernier; horizontal amplifier; sensitivity 200 mv/cm to 15 v/cm. Vertical amplifier dc to 10 MC, optimum transient response and rise time less than 0.035 μsec. Calibrating voltages, 1 KC square wave, 0.2 mv to 100 v peak, accuracy 3%. $1,100.00 (cabinet), $1,200.00 (rack mount).



hp 196A Oscilloscope Camera. Most convenient recording camera available. Object-to-image size ratio 1 to 0.9 views full 10 cm graticule width. One-hand mounting and multiple picture setting. Easy access to *f*-stop and shutter while camera mounted. Permits viewing image with both eyes while photographing. Employs Polaroid® Land Camera back, Wollensak 3″ *f*/1:9 lens. 7 shutter speeds 1/100 to 1 sec. Weight only 9 lbs. $425.00.

Data subject to change without notice. Prices f. o. b. factory.

quality oscilloscopes – DC to 500 MC!

hp 130B/BR - DC to 300 KC

Termed the finest low frequency oscilloscope ever offered, hp 130B/BR combine big scope performance and positive dependability with 1 mv sensitivity and the convenience of "universal" automatic trigger, no preamplification from most transducers and direct reading simple controls.

Similar X and Y amplifiers

Models 130B/BR have similar horizontal and vertical amplifiers with sensitivity 1 mv/cm to 125 v/cm. Input circuits are balanced on the 6 most sensitive ranges; single ended input dc or ac coupled. 21 sweep times may be directly set, instrument sweeps 1 μsec/cm to 12.5 sec/cm, triggering is internally, by line power, or externally by 0.5 v or greater. Includes x 5 magnifier for all internal sweeps increasing fastest sweep time to 0.2 μsec/cm. hp 130B (cabinet) or 130BR (rack) $650.

hp 122A/AR - Dual Trace

Model 122A/AR is a dual trace, 200 KC oscilloscope providing two separate traces for simultaneous study; single trace available when desired. Twin vertical amplifiers, alternate and chopped presentation, differential input, automatic syncing and x 5 sweep expansion. Ideal for direct comparison of filter, amplifier, output/input or with vibration testing apparatus.

Sweeps 5 μsec/cm to 200 msec/cm

15 calibrated sweeps; vernier extends slow sweep to 0.5 sec/cm, expander extends fast sweep to 1 μsec/cm. Automatic trigger; manual override sets trigger between + 10 and −10 v. Vertical amplifiers dc to 200 KC (dc coupled) or 2 cps to 200 KC (ac coupled). Sensitivity 10 mv/cm to 100 v/cm. Horizontal amplifier same bandwidth as vertical, sensitivity 0.1 v/cm to 100 v/cm. hp 122A (cabinet) or 122AR (rack mount), $625.00.

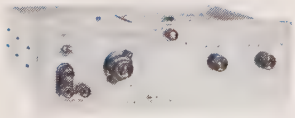
hp 120A/AR - DC to 200 KC

Ideal for industrial or production line work as well as daily lab jobs, Model 120A/AR is outstanding in both value and "big scope" performance features. This instrument covers DC to 200 KC, has the hp universal trigger circuit. Also offers automatic synchronization on any internal or external voltage including line power.

Sweeps 1 μsec/cm to 0.5 sec/cm

Features include 15 calibrated sweeps in 1-2-5 sequence, sweep speeds range 5 μsec/cm to 0.5 sec/cm, "times-5" sweep expansion on all ranges, high sensitivity calibrated vertical amplifiers. All power supplies are regulated for steady, drift-free traces. Automatic trigger and base line. Bright, clear trace for photographing transients. Extra compact Model 120AR is only 7" high. Utmost dependability, rugged construction. hp 120A (cabinet) or 120AR (rack), $435.00.

New amplifiers, accessories for your hp 150A/AR 10 MC oscilloscope



hp 154A Voltage/Current Dual Channel Amplifier (above, left) permits simultaneous measurement, observation of voltage and current. Channel switching by alternate sweeps or 100 KC chopper. $430.00. **hp 153A Very High Gain Amplifier** (above, right) permits many measurements direct from transducer without preamplification. Sensitivity 1 mv/cm to 125 v/cm, dc to 500 KC. $125.00. **hp 152B Dual Trace Differential Amplifier** switches electronically between A, B channels at 100 KC or alternating. Sensitivity 0.05 v/cm to 50 v/cm. $250.00. **hp 151B High Gain Amplifier** provides 5 mv/cm sensitivity, dc to 10 MC. $200.00.

hp AC-115B Oscilloscope Testmobile. For hp oscilloscopes. 4" rubber tired wheels, heavy chrome tube construction, tilts 'scope to 30° in 7½° increments, folds for storage, shipping. $85.00.

hp Oscillators—0.008 to 10,000,000 cps

Hewlett-Packard now offers 13 high quality, fast and accurate oscillators, each an exceptional value and each engineered to do a specific job best. Each incorporates the famous RC resistance capacity circuit pioneered by hp. This circuit makes possible instruments that are highly stable, wide range, compact and portable; instruments that are extremely simple to operate and require no tedious re-setting or adjustment during operation.

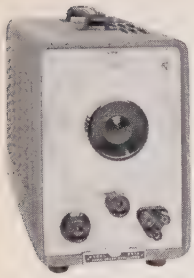
Instrument	Primary Uses	Frequency Range	Output	Price
-hp- 200AB	Audio tests	20 cps to 40 KC	1 watt/24.5 v	$150.00
-hp- 200CD	Subsonic through ultrasonic audio and ultrasonic tests	5 cps to 600 KC	160 mw or 10 v/600 ohms; 20 v open circuit	170.00
-hp- 200J	Interpolation, frequency measurements	6 cps to 6 KC	160 mw/10 v	300.00
-hp- 200SR	Driving -hp- 739AR Frequency Response Test Set	5 cps to 600 KC	3 v rms into 50 ohms	185.00
-hp- 200T	Telemetry, carrier current tests	250 cps to 100 KC	160 mw or 10 v/600 ohms; 20 v open circuit	450.00
-hp- 201C	High quality audio tests	20 cps to 20 KC	3 w or 42:5 v/600 ohms	225.00
-hp- 202A	Low frequency measurements	0.008 to 1200 cps	28 mw or 30 v p-p/4000 ohms	525.00△
-hp- 202C	Servo equipment tests, measurements	1 cps to 100 KC	160 mw or 10 v/600 ohms	300.00
-hp- 205AG	High power audio tests, gain measurements	20 cps to 20 KC	5 watts	500.00△
-hp- 206A	High quality, high accuracy audio tests	20 cps to 20 KC	+ 15 dbm	750.00△
-hp- 207A	Audio sweep generation	20 cps to 20 KC	160 mw or 10 v/600 ohms	325.00
-hp- 233A	Carrier oscillator—current tests	50 cps to 500 KC	3 w/600 ohms	500.00
-hp- 650A	Wide range video tests	10 cps to 10 MC	15 mw/3 v	490.00△

△ Rack mounted instruments $15.00 less.

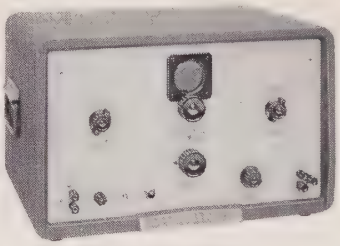
hp 200 Series Audio Oscillators

For audio and ultrasonic measurements hp offers popular Models 200AB and 200CD. Both have highest stability and accurate tuning circuits. Low impedance operating levels plus superior insulation guarantee long years of trouble-free dependability. Operation is simple; just three controls; no zero setting necessary. hp 200AB, 20 cps to 40 KC, $150.00. hp 200CD, 5 cps to 600 KC, $170.00.

hp 207A Sweep Oscillator



This new audio oscillator provides continuous single-sweep frequency coverage from 20 cps to 20 KC. No band switching is needed; dial accuracy is 4%, and the instrument also provides a flexible 10 v/600 ohm output usable balanced or with one side grounded. Frequency response is 3% full range, distortion and hum are less than 1%. hp *207A may be swept by hand or a motor driven model is available.* (Specify H02 207A.) hp 207A, $325.00. H02 207A, $625.00.



hp 202A Function Generator

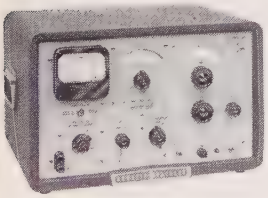
Compact, multi-purpose source of transient-free test voltages from 0.008 cps to 1,200 cps. Continuously variable through 5 bands; offers exceptional stability (within 1%) and distortion less than 1% to 100 cps. Sine, square or triangular waves may be selected by a front panel switch; the 30 volt output peak-to-peak is constant for all wave forms and over full frequency range. hp 202A, $525.00△.

hp 650A Test Oscillator

Covering 10 cps to 10 MC, hp 650A is a highly stable, wide band instrument for audio, supersonic, video and rf measurements. Output is flat within 1 db full range; voltage range is 0.00003 to 3 v. In addition to 600 ohm impedance, voltage divider provides a 6 ohm impedance. Distortion less than 1% to 100 KC. $490.00△.

hp Distortion, Wave Form Analyzers—20 cps to 50 KC

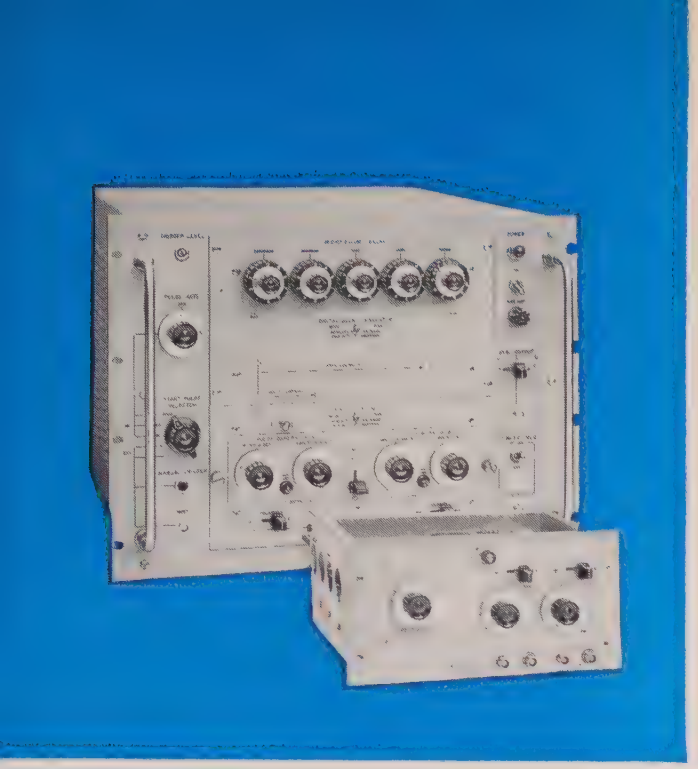
hp 302A Wave Analyzer



New, completely transistorized, this advanced instrument provides direct, accurate wave component measurement without troublesome calibration or stabilization. Measurement range 20 cps to 50 KC. The instrument is hum free, requires little power, needs no warm-up, has very sharp acceptance circuits plus an AFC. May be battery operated (18 to 28 volts). Simple operation, rugged, trouble-free. $1,750.00△.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 302A	Wave form analysis	20 cps to 50 KC	Direct reading, no calibration needed	$1,750.00△
-hp- 330B	Measures total audio distortion	20 cps to 20 KC	Includes input amplifier, VTVM	410.00△
-hp- 330C	For FM broadcast measurements	20 cps to 20 KC	Special VU meter to meet F.C.C. requirements	440.00△
-hp- 330D	For AM, FM broadcast measurements	20 cps to 20 KC	AM detector and VU meter to meet F.C.C. requirements	500.00△

△ Rack mounted instruments $15.00 less.



hp 218AR Digital Delay Generator

Independently adjustable time intervals or pulse delays
±0.1 μsec time interval accuracy
Crystal oscillator time base
Regulated power supplies

Model 218AR Digital Delay Generator is a totally new instrument applicable to many types of timing measurements including calibrating the range determining circuits of radar receivers, etc. The generator is built to rigid standards and is suitable for military use. It provides two precision time intervals or pulse delays, either of which are independently adjustable from 1 to 10,000 microseconds in 1 microsecond steps. These time intervals are accurate to within 0.1 microsecond ±0.001% of the selected value, and may be initiated from an internal multivibrator, 10 cps to 10 KC, or from an external rate generator, 0 cps to 10 KC. Total jitter does not exceed 0.02 microseconds in either case. The instrument also provides a 50-volt synchronizing output pulse at the beginning or end of a time interval, and a 1 microsecond timing comb output at the front panel.

No count ambiguity

A unique feature of the new hp 218AR is its time base, a pulsed crystal controlled oscillator. The oscillator starts at T_0 and stops at the last output pulse. This eliminates the "plus-or-minus-1-count" ambiguity of many counter circuits in such application.

Model 218AR is a completely self-contained instrument, requiring only one or more hp 219 series plug-ins to perform a broad variety of time and delay generation measurements. Simplicity and flexibility are increased by the large variety of output signals provided by the plug-in units. The instrument is particularly compact and well-designed; etched circuits and the use of plug-ins materially increase circuit accessibility.

The instrument's power supplies are fully regulated to avoid effects of line voltage variations. It is available as hp 218AR, rack mount. $2,000.00.

hp 219A Dual Trigger Unit

This plug-in drawer for hp 218AR supplies trigger pulses of positive polarity, 50 volts, 0.1 μsec rise time from a 50-ohm source. Pulse A occurs at T_0 or T_1 as selected by a switch; Pulse B is triggered at T_2. hp 219A, $100.00.

hp 219B Dual Pulse Unit

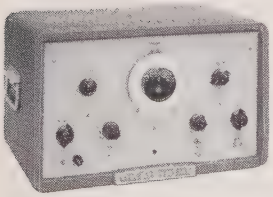
This plug-in drawer for hp 218AR produces two high-power pulses which are continuously adjustable in width, 0.2 to 5 μsec and in amplitude from 0 to 50 volts, positive or negative polarity. The leading edge of these pulses can be set to occur at the beginning or end of the selected time interval. Both pulses are brought out to separate front panel jacks but may be switched to a common jack with no change in level or output impedance. hp 219B, $450.00.

hp 219C Digital Pulse Duration Unit

This plug-in drawer for hp 218AR produces a high power output pulse whose delay and duration are digitally controlled. The pulse is available in both polarities simultaneously, and is continually adjustable in amplitude up to at least 15 volts from a 90-ohm source. It may also be obtained from a directly coupled 500-ohm source with an amplitude of at least 90 volts. hp 219C, $350.00.

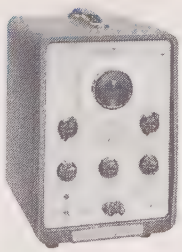
hp Square Wave and Pulse Generators

hp 212A Pulse Generator



Provides continuously variable, high-power "fast pulses" of superior wave form. Combines broad general usefulness with 0.02 μsec rise and decay time to meet requirements of radar, TV and nuclear work. Pulse length variable 0.07 to 10 μsec; minimum overshoot; 50 watt peak power (50 v to 50 ohms load). Low impedance means accurate pulses can be delivered at a distance from the instrument. Repetition rate variable 50 to 5,000 pps; controlled internally or externally. Synchronizing pulse available in advance of, or following output pulse. $585.00 (cabinet), $570.00 (rack mount).

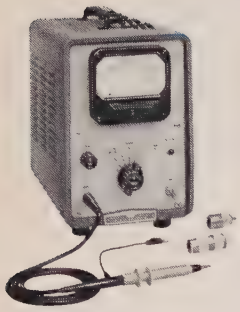
hp 211A Square Wave Generator



Versatile, wide range instrument for testing oscilloscopes, networks, video and audio amplifier performance, modulating signal generators and measuring time constants. Offers simple control of electronic switches; is also convenient for indicating phase shift, frequency response, transient effects. Two separate outputs (a) 7 volt 75 ohm circuit for TV work; (b) 55 volt 600 ohm output for high level work. Both have full amplitude variation. Instrument operates free-running or externally synchronized with positive going pulse or sine wave of 5 volts minimum amplitude. $300.00 (cabinet), $305.00 (rack mount).

DC and AC Voltmeters; DC Milliammeter

NEW! 411A 1 KMC Millivoltmeter

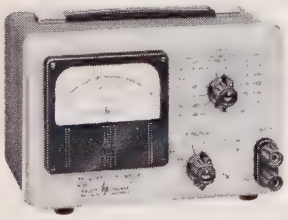


Millivolt sensitivity and two easy-reading linear voltage scales in 1-to-3 ratio make the all-new 411A perhaps the most widely useful voltmeter you have ever seen. Measure 10 mv to 10 v full scale, 5 KC to 1 KMC; get usable indications to 4 KMC! Db scale gives readings from − 42 to + 33 db for convenient gain measurements. Seven probe tips meet all measurement requirements. Galvanometer recorder output. Unique photoelectric chopper gives new standard of noise-free, drift-free low voltage readings. 411A (with one probe tip). $450.00.

425A Microvolt-Ammeter

New, high sensitivity, high stability microvolt meter reading end scale voltages of 10 μv to 1 v in 11 ranges. Also reads currents of 10 μμa to 3 ma in 18 steps, 1-3-10 sequence. Accuracy ± 3% on all ranges. Drift is less than 4 μv per day referred to input terminals. Input impedance 1 megohm ± 3% on all voltage ranges. Instrument can also be used as a 100 db amplifier providing up to 1 v output from signals as small as 10 μv. Amplifier ac rejection is at least 3 db at 0.2 cps and 60 db at 60 cps and above. $500.00 (cabinet), $505.00 (rack).

403A Transistorized AC Voltmeter

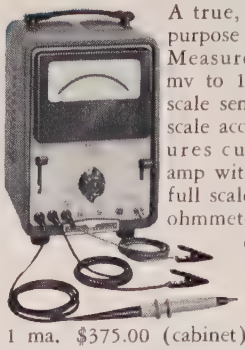


Battery-operated, portable, weighs less than 5 lbs., transistorized, covers 1 cps to 1 MC and 100 μv to 300 v rms (max. full scale sensitivity 1 mv). Also reads db direct from − 72 to + 52 db. 400 hours battery life (6 mos. average use). Noise less than 30 μv on all but lowest range. Average reading meter; accuracy ± 3% to 500 KC, ± 5% to 1 MC. Input impedance 2 megohms; high overload capacity. $250.00.

405AR Automatic DC Digital Voltmeter

Literally "touch-and-read" measuring speed. Automatic range, polarity selection, covers 0.001 v to 1,000 v (accuracy ± 0.2% of reading ± 1 count). New novel circuitry provides a stability of readings virtually eliminating jitter in the last digit. Floating input, analog-to-digital conversion, digital recorder output and front panel switch to hold ranges. *Just 7" high!* $825.00.

412A Precision Volt-Ohm-Ammeter



A true, precision, multipurpose instrument at last! Measures dc voltage 0.02 mv to 1,000 v (max. full scale sensitivity 1 mv, full scale accuracy 1%). Measures currents 1 μa to 1 amp with ± 2% accuracy, full scale (13 ranges). As ohmmeter, measures 0.02 ohms to 5,000 megohms. Low noise, drift. Recorder output provides 1 v or 1 ma. $375.00 (cabinet), $380.00 (rack).

428A Clip-On DC Milliammeter

Radical approach to current measurements means no breaking of leads, no dc connections, no soldering, no circuit loading. "Current transformer" probe clamps *around* wire under test, measures by sampling magnetic field around the wire. Readily measures dc current in presence of strong ac. Covers 0.3 ma to 1 amp; accuracy ± 3%. $475.00 (cabinet), $480.00 (rack).

Instrument	Primary Uses	Frequency Range	Voltage or Current Range	Input Impedance	Price
-hp- 400D	Wide range ac measurements High sensitivity	10 cps to 4 MC	0.001 to 300 v 12 ranges	10 megohms 15 μμf shunt	$225.00
-hp- 400H	High accuracy wide range ac measurements	10 cps to 4 MC	0.001 to 300 v 12 ranges	10 megohms 15 μμf shunt	325.00
-hp- 400L	Log voltages, linear db measurements	10 cps to 4 MC	0.001 to 300 v 12 ranges	10 megohms 15 μμf shunt	325.00
-hp- 403A	Battery-operated portable; fast, accurate, hum-free ac measurements	1 cps to 1 MC	0.001 to 300 v 12 ranges	2 megohms 40, 20 μμf shunt	250.00
-hp- 405AR	Direct, automatic voltage measurement. Recorder output, automatic polarity	dc	0.001 v to 1,000 v (accuracy ±0.2% of reading ±1 count)	11 megohms to dc	825.00
-hp- 410B	Audio, rf, VHF measurements; dc voltages; resistances	dc; ac—20 cps to 700 MC	1.0 to 300 v 7 ranges	dc—122 megohms; ac—10 megohms/ 1.5 μμf	245.00
-hp-411A	Millivolt, db readings to kilomegacycle range	5 KC to 1 KMC	10 mv to 10 v, 7 ranges	——	450.00
-hp- 412A	Precision voltage, current resistance measurements	dc	1 mv to 1,000 v 1 μa to 1 amp	10 to 200 megohms, depending on range	375.00
-hp- 425A	Read μv, μμa; 100 db amplifier; medical, biological, physical, chemical	dc voltages as 100 db amplifier	10 μv to 1 v 11 ranges	1 megohm ± 3%	500.00
-hp- 428A	Clip-on milliammeter eliminates direct connection, circuit loading	dc	0.3 ma to 1 amp, 6 steps, ±3% accuracy	——	475.00
-hp- 456A	Current measurements on meters, scopes	60 cps to 4 MC	1 ma to 1 amp rms	——	190.00
-hp- 738AR	Voltmeter Calibrator	dc pos. or neg. 400 cps sine wave	300 μv to 300 v	Works into 3 to 10 megohms	875.00
-hp- 739AR	Frequency response test set	300 KC* to 10 MC (*5 cps with -hp- 200SR)	3 v output	——	450.00

456A AC Current Probe

Permits measurement of current on indicating meters such as 400D, 400H, 400L (below) or oscilloscopes. Exclusive new "current" probe clamps *around* wire under test, needs no physical connection, does not load circuit. Range 1 ma to 2 amps peak, accuracy 2% at 1 KC, response ± 5% 60 cps to 4 MC. $190.00.

410B Vacuum Tube Voltmeter

All-purpose test instrument, range, 20 cps to 700 MC. Also serves as dc VTVM with 122 megohms impedance, or ohmmeter for measurements 0.2 ohms to 500 megohms. Input capacity 1.5 μμf, 10 megohms input resistance. $245.00 (cabinet), $265.00 (rack).

400 Series Voltmeters

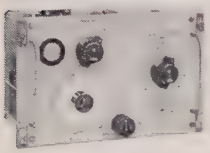
Three series 400 voltmeters cover 10 cps to 4 MC. 400D provides 2% accuracy, 400H offers 1% accuracy with 5" mirror scale. 400L, logarithmic version, has true log voltage scale, 5" linear db scale, accuracy 1% of full scale. Measurement 1 mv to 300 v full scale 400D, $225.00; 400H, $325.00; 400L, $325.00.

hp 524C Precision Electronic Counter

Bright, big-number readout
Stability 3 parts in 10^8 short-term
Direct, fast, automatic readings
Covers frequencies 10 cps to 220 MC*
Measures time interval 1 μsec to 100 days
Measures period 0 cps to 10 KC
Resolution 0.1 microseconds
No calculation or complex setup
Easily used by non-technical personnel
High sensitivity, impedance, reliability

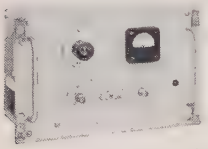
* With proper plug-ins.

5 PLUG-IN UNITS INCREASE FLEXIBILITY, USEFULNESS FOR MANY MEASUREMENTS

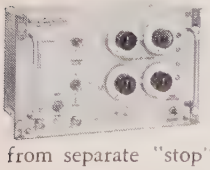


hp 525A Frequency Converter. Extends 524's direct reading range to cover 10 cps to 100 MC with no loss in accuracy. Provides additional amplification to increase video sensitivity to 0.1 v through 524's basic 10 cps to 10.1 MC range. $250.00.

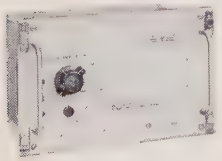
hp 525B Frequency Converter. Converts hp 524 for direct readings 100 to 220 MC in decade steps. Maintains same high accuracy throughout range; provides high sensitivity for low level work. $250.00.



hp 526A Video Amplifier. Increases 524 sensitivity to 10 mv for low power frequency measurement 10 cps to 10.1 MC. Accuracy same as counter; minimum input 10 millivolts rms. $175.00.



hp 526B Time Interval Unit. Permits 524 to measure interval 1.0 μsec to 100 days. Accuracy of ± 1 count ± 524 stability. Reads in sec, msec or μsec. Triggering from separate "stop" or "start" on pos. or neg. going waves. Trigger adjustable − 192 to + 192 volts. $175.00.



hp 526C Period Multiplier. Permits 524 to measure period over 100, 1,000 or 10,000 cycles of unknown, thus providing greater accuracy for mid-range frequency readings. Front panel switch selects desired period. $225.00.

Bright, steady, big-number readout, and crystal oscillator stability of 5 parts in 10^8 per week—these are significant advances incorporated in the hp 524C Electronic Counter.

The 524C permits you to buy only the basic counting facilities you need now—later on add inexpensive plug-ins to triple and quadruple the usefulness of your counter.

The basic hp 524C reads frequency 10 cps to 10.1 MC over any of 5 selected intervals. Display time is variable, counts are automatically reset, action is repetitive, readings are direct without calculation or interpolation; an automatic illuminated decimal point is included.

The instrument is of highest quality throughout and employs a military design approach. hp 524C, less plug-ins, $2,300.00 (cabinet); $2,275.00 (rack mount). hp also offers Model 524D, similar but with 8 vertical readout units, at lower price.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 524B Frequency Counter	Frequency, period measurements	10 cps to 10.1 MC (Freq.) 0 cps to 10 KC (Period)	Direct reading, no interpolation; stability about 2/1,000,000/week	$2,150.00■
-hp- 524C Frequency Counter	Frequency, period measurements	10 cps to 10.1 MC (Freq.) 0 cps to 10 KC (Period)	Direct reading, no interpolation; stability $5/10^8$ per wk	2,300.00■
-hp- 524D Frequency Counter	Frequency, period measurements	10 cps to 10.1 MC (Freq.) 0 cps to 10 KC (Period)	Direct reading, no interpolation; stability $5/10^8$ per wk	2,150.00■
-hp- 525A Frequency Converter	Extends 524 range to 100 MC; increases basic sensitivity	10 cps to 100 MC	Accuracy same as basic counter; 0.1 v rms min. input	250.00
-hp- 525B Frequency Converter	Extends 524 range from 100 to 220 MC; high sensitivity	100 MC to 220 MC	Accuracy same as basic counter; 0.2 v rms min. input	250.00
-hp- 526A Video Amplifier	Increases 524 sensitivity to 10 millivolts	10 cps to 10.1 MC	Accuracy same as basic counter; 10 mv rms min. input	175.00
-hp- 526B Time Interval Unit	Measures interval 1 μsec to 100 days	1 μsec to 10^7 sec	Accuracy ± 1 count ± 524 stability	175.00
-hp- 526C Period Multiplier	Period measurement	Extends range of 524 to measure 10,000 periods	Greater accuracy in period measurement	225.00

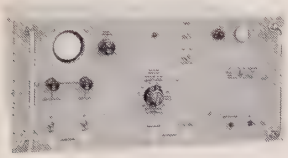
■ Rack mounted instrument $25.00 less.

Other hp Frequency Measuring and Monitoring Equipment

hp 113AR Clock

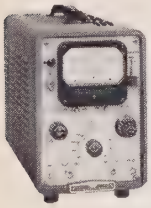
Precision time measuring instrument for adjusting frequency standards, and comparing high stability oscillators and time signals with WWV. Compares on a time basis with a 10 μsec resolution (equals $1/10^8$ stability over 24 hours). Accepts 100 KC input; provides essentially jitter-free 1 second tick output. Meets MIL-E-16400 for operation in extreme environment. Uniquely accurate, reliable. Input voltage 0.5 to 5 v rms; input impedance 300 ohms. Transistorized; operates from hp 724AR Standby Power Supply (data on request) or 24 v dc. $2,500.00.

hp 100ER Frequency Standard



High convenience new frequency standard offers unique advantages. Completely satisfactory in most applications formerly requiring primary standard. In many areas useful stability of $5/10^8$ exceeds WWV because of Doppler shift. Multiple outputs include 6 sine and 4 pulse signals, plus timing comb. Includes built-in scope for Lissajous comparisons. Rated load 50 ohms at 1 MC and 100 KC; 5,000 ohms at lower frequencies. $900.00.

hp 500B/C Frequency Meters



Directly measures frequency of voltages 3 cps to 100 KC; expanded scale allows any 10% or 30% of range to be measured full scale. Sensitivity 0.2 v rms (sine waves), 1 v peak for pulses. Input impedance 1 megohm with 40 μμf shunt; accuracy independent of line voltage changes. Also available as hp 500C, calibrated for direct reading in rpm. hp 500B/C, $285.00 (cabinet), $290.00 (rack mount).

hp 521 Industrial Counters

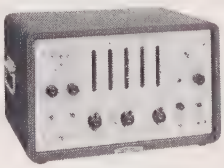
-hp- 521D

Low cost, simple operation, almost limitless uses characterize hp 521 Industrial Counters. hp 521's measure frequency, random events per unit of time; with transducers also measures rps, speed, rpm, weight, pressure, temperature, etc. hp 521A reads direct in cps, rpm, and rps; display time is variable. Frequency range 1 cps to 120 KC, accuracy ± 1 count ± accuracy of power line frequency (usually ± 0.1%); input min. 0.2 v rms; input attenuator adjusts sensitivity 0.2 to 100 v rms, input impedance 1 megohm with 50 μμf shunt, gate time 0.1 and 1 sec, also Manual Gate. hp 521C same as 521A except has greater accuracy, crystal controlled time base and 5-place (instead of 4-place) registration with count capacity of 99,999. hp 521D same as 521A except has in-line readout in bright, large numerals. hp 521E similar to 521C but has 5-place, in-line readout. hp 521G similar to 521A but measures to 1.2 MC (5 places). Prices: see above table.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 100ER Frequency Standard	Establish standard frequencies; calibrate, measure time	6 sine 10 cps to 1 MC; 4 pulse, 10 cps to 10 KC	Stability $5/10^8$ per week Timing comb.	$ 900.00
-hp- 113AR Frequency Divider, Clock	Adjust freq. standards; comparisons	100 KC input	1 pps tick output for comparison with wwv, etc.	2,500.00
-hp- 500B Electronic Frequency Meter	Rapid frequency measurements	3 cps to 100 KC	9 ranges ±2% accuracy. Input 0.2 to 250 volts	285.00
-hp- 500C Electronic Tachometer Indicator	Rpm measurements	180 to 6,000,000 rpm	Similar to 500B but calibrated in rpm	285.00
-hp- 506A Optical Tachometer Pickup	Rps and rpm measurement	300 to 300,000 rpm	Phototube and light source; output 1 v rms	125.00
-hp- 508A Tachometer Generator	Shaft speed measurement	15 to 40,000 rpm	Output 60 cycles per revolution	100.00
-hp- 508B Tachometer Generator	Shaft speed measurement	15 to 30,000 rpm	Output 100 cycles per revolution	100.00
-hp- 508C Tachometer Generator	Shaft speed measurement	15 to 25,000 rpm	Output 120 cycles per revolution	100.00
-hp- 508D Tachometer Generator	Shaft speed measurement	15 to 5,000 rpm	Output 360 cycles per revolution	100.00
-hp- 520A Nuclear Scaler	For counting high-rate pulses	Capacity 100 counts in 2 decades. 10,000,000 pps counting rate	100:1 divider for operation of low speed scalers	615.00△
-hp- 521A Industrial Electronic Counter	Measure frequency, speed	1 cps to 120 KC	Direct reading, accurate within ±1 count ±0.1%, 4 place registration	475.00
-hp- 521C Industrial Electronic Counter	Measure frequency, speed	1 cps to 120 KC	Direct reading, accuracy within ±1 count ±0.01%, 5 place registration	650.00
-hp- 521D Industrial Electronic Counter	Measure frequency, speed	1 cps to 120 KC	Same as 521A except has in-line digital readout	675.00
-hp- 521E	Measure frequency, speed	1 cps to 120 KC	Same as 521C except has in-line digital readout	875.00
-hp- 521G	Measure frequency, speed, elapsed time	1 cps to 1.2 MC	Direct reading, accuracy ±1 count ±0.1% 5 place registration	650.00
-hp- 522B Electronic Counter	Frequency, period, time interval measurements	10 cps to 120 KC	Direct reading, accuracy ±1 count ±0.001%	915.00△
-hp-523B Electronic Counter	Frequency, period, time interval	10 cps to 1.2 MC	Direct reading, accuracy ±1 count ±2/1,000,000	1,245.00
-hp- 523CR	Frequency, period, time interval	10 cps to 1.2 MC	Direct reading, accuracy ±1 count ±2/1,000,000, in-line digital readout, 10-line code arrangement	1,485.00
-hp- 523DR Electronic Counter	Frequency, period, time interval	10 cps to 1.2 MC	Direct reading, accuracy ±1 count ±2/1,000,000	1,285.00

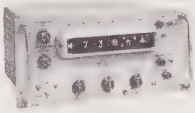
△ Rack mounted instruments $15.00 less.

hp 522B Electronic Counter



Compact, low cost, versatile instrument for frequency, period *or* time measurements. Measures frequency 10 cps to 120 KC, time interval 10 μsec to 10^5 sec. Reads direct in cps, KC, seconds or milliseconds. Count automatically reset, action repetitive. Stability of time base 1/100,000 per week. Easily used by untrained personnel. High quality, completely self-contained, bright, clear numerals; ideal industrial as well as lab instrument. $915.00△.

hp 523CR/DR Electronic Counters



-hp- 523CR

Model 523CR is a revolutionary all-purpose counter measuring frequency 10 cps to 1.2 MC, time interval 1 μsec to 27.8 hours, period 0.00001 cps to 100 KC. Stability 2/1,000,000 per week. Results displayed in sec, msec, μsec or KC; automatic decimal. Display time variable 0.1 sec to 10 sec or indefinitely. Accuracy ± 1 count plus crystal stability, 5 gate times. Usable with 100 KC primary standard. Pulse output for Z-axis oscilloscope modulation. hp 523DR similar but has neon numeral column readout. hp 523CR, $1,485.00; hp 523DR, $1,285.00.

hp 540A/540B Transfer Oscillator

Measure frequency to 18.0 KMC quickly, easily, with electronic counter accuracy. Avoid guesswork, end "trial and error," eliminate expensive setups. Measure on pulsed, AM, FM, CW and noisy circuits.

Just two hp instruments—Model 540B Transfer Oscillator and a 524 series electronic counter, (with plug-ins) are all the equipment you need to measure unknown frequencies up to 12.4 KMC swiftly and accurately.

This simple, two instrument setup is particularly useful for quick CW and AM frequency measurement, FM center frequency and deviation checks, and frequency of high-noise signals. Frequencies of pulsed signals can be measured using an external oscilloscope. Overall accuracy is better than 10 times that of the best microwave wavemeters; and on clean CW signals, is about 1/1,000,000.

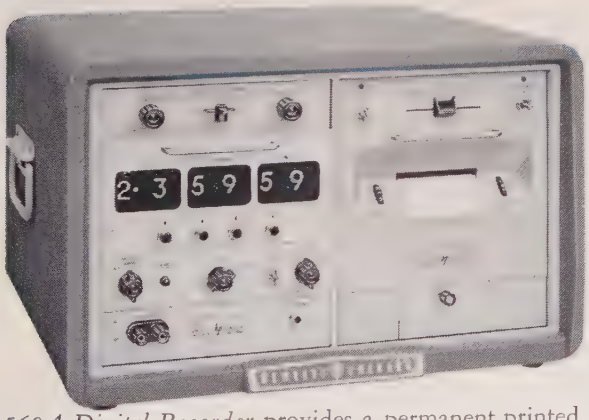
New Mixers

For use with the 540A, 540B and other mixing applications, hp 934A and P932A Harmonic Mixer (not pictured) provide untuned mixing action from 1 to 12.4 KMC and from 12.4 to 18 KMC, respectively. Maximum input power is 100 mw and minimum output is at least 0.1 mv rms with 0 dbm input. Fittings mate with hp 540, 524, 525A. hp 934A, $150.00. hp P932A, $250.00.

Brief Specifications, hp 540B

Oscillator Freq. Range: 100 to 220 MC.
Harmonic Freq. Range: Up to 12.4 KMC.
Stability: Better than 0.002%/minute
Output: 2 volts into 50 ohms.
Amplifier Gain: 40 db max. 1 v output.
Oscilloscope: 100 cps to 200 KC; vert. sens. 5 mv rms/inch.
Price: $750.00△.
Model 540A, similar to 540B, but requires an external mixer above 5 KMC. $615.00△.

hp 560A/561B Digital Recorder, 570A/571B Digital Clock



Continuous digital record from hp and Dymec counters, voltmeters, other equipment

Direct reading, simple hookup

Accuracy identical to driving instrument

Records five 11-digit lines per second

Secondary, coding data entered simultaneously

hp 560A Digital Recorder provides a permanent printed record of all types of test data. In addition, a unique analog output makes possible graphic recording of very small data variations.

The analog output is a voltage or current proportional to the number represented by any three consecutive digits of recorded data. This digitally-derived analog output provides zero-suppression which is virtually error-free. An inherent range-shifting feature keeps the record on scale. Expanded scale records with extreme resolution can thus be made using conventional potentiometer or galvanometer recorders.

Model 560A is normally furnished with 6 plug-in comparators for 6-digit presentation; additional comparators may be plugged in at any time.

hp 561B Digital Recorder requires 10-line coded decimal entry with separate connection for each position of each print wheel so that the instrument may be operated from the hp 405AR Digital Voltmeter, hp In-Line Frequency Counters or relays, stepping switches and beam switching tubes.

hp 570A (shown installed) *and 571B Digital Clocks* mount in the left-hand side of hp 560A and 561B respectively, and add time-of-day information to other recorded data. These clocks can also control rate at which measurements are made. In-Line, 6-place numeric readout; maximum 23 hours, 59 minutes, 59 seconds. Operates from internal or external time base.

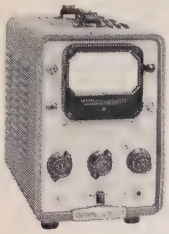
Prices: hp 560A (with 6 comparators), $1,265.00△; hp 561B, $1,065.00△; hp 570A (fits 560A), $1,050.00; hp 571B (fits 561B), $950.00.

△ Rack mounted instrument $15.00 less.

Microwave Impedance Measuring Equipment

hp 416A Ratio Meter

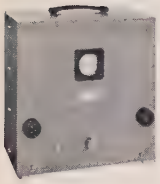
Automatically combines forward and reverse signals and displays their ratio directly, irrespective of common amplitude variations. Contains rf power monitor indicating proper power level. Rear terminal signal available to operate oscilloscope or recorder. Suitable for single and swept frequency operation. $475.00△.



hp 415B Standing Wave Indicator

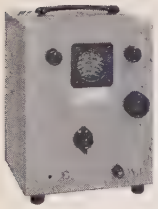
For all waveguide and coaxial slotted sections. Gives readings in SWR or db. Single frequency operation; 315 to 2020 cps. Low noise level, 0.1 μv (full scale) sensitivity, 60 db. calib. attenuator. $200.00.

hp 803A vhf Bridge



Provides direct impedance measurements in vhf range, 2 to 2,000 ohms, −90° to +90° phase angle. Wide frequency range 52 to 500 MC; makes measurements down to 5 MC and up to 1,000 MC. Fast, simple to use. $800.00.

hp 417A vhf Detector



Super-regenerative (AM) receiver covering all frequencies from 10 to 500 MC in 5 bands. Designed for use with hp 803A Bridge. 5 μv sensitivity full range. Single frequency control, reads direct in MC. $350.00.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 360A-D Low Pass Filters	Eliminates harmonic voltages from uhf systems	Cut-off frequencies A- 700 MC C-2,200 MC B-1,200 MC D-4,100 MC	50 db rejection at 1.25 cutoff freq.	$ 40.00
-hp- 415B Standing Wave Indicator	SWR indicator or null indicator	Uses external detectors	0 to 70 db attn. Max. sensitivity 0.1 μv	200.00
-hp- 416A Ratio Meter	Reflection coefficient measurements	Uses external detectors	Continuous swept frequency presentation; accuracy ±3%	475.00△
-hp- 417A vhf Detector	vhf bridge detector (for -hp- 803A)	10 to 500 MC	Approx. 5 μv sensitivity	350.00
-hp- 803A vhf Bridge	Measurement of vhf impedance, SWR	52 to 500 MC	2 to 2,000 ohms impedance —90° to +90° phase angle	800.00
-hp- 805A Coaxial Slotted Section	Measurement of SWR	500 to 4,000 MC	For Type N Connectors flexible cables	450.00
-hp- 805B Coaxial Slotted Section	Same as above	Same as above	For rigid 7/8" RG44/U line	450.00
-hp- 806B Coaxial Slotted Section	Same as above (mounts in 809B)	3,000 to 12,000 MC	For Type N Connectors flexible cables	200.00
-hp- 809B Universal Probe Carriage	G, C, J, H, X, M and P 810 Waveguide Sections Supports 806B section, also		Accepts 442B, 444A probes	160.00
-hp- 814B Universal Probe Carriage	Supports K and R 815B Waveguide Slotted Sections		Accepts Untuned Probe 446B	200.00

△ Rack mounted instruments $15.00 less.

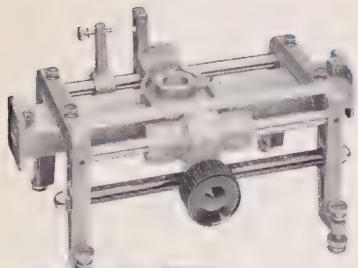
hp 360 Low Pass Filters

Isolating filters which speed microwave measurements by eliminating harmonics, permitting transmission at single, known frequency only. Particularly necessary in slotted line, filter characteristic, receiver response, similar measurements. Table above gives cut-off frequency; insertion loss not over 3 db; nominal impedance 50 ohms. hp 360A, B, C or D, $40.00.

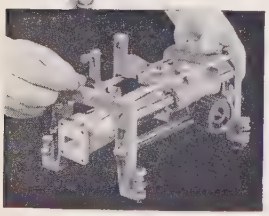
hp 805A/B Slotted Lines

Original hp "parallel-plane" design insures utmost mechanical rigidity, less leakage, greater accuracy, low SWR of 1.02 or 1.04 (depending on model). Range 500 MC to 4 KMC, reads in cm and mm to 0.1 mm. hp 805A, for 50 ohm Type N use. hp 805B, for 46.3 ohm RG 44/U stub supported 7/8" O.D. coax. hp 805A/B, $450.00.

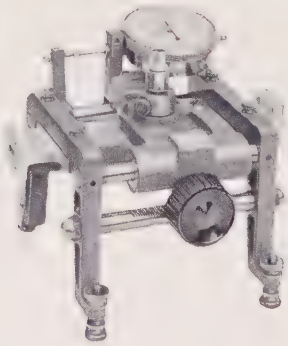
hp 809B/814B Universal Probe Carriages



hp 809B and 810B



Quick, easy waveguide interchange



hp 814B, 815B, 446B

Models 809B and 814B are precision built mechanical assemblies operating, respectively, with hp 810B and 815B series slotted sections.

Combination of the 809B carriage and 810 slotted sections covers 2.6 to 18.0 KMC. Combination of 814B carriage and 815B series sections covers 18.0 to 40.0 KMC. For prices see table above.

On either carriage, waveguides can be interchanged in seconds for real savings on engineering time. Only one probe is required for each carriage to cover full frequency range. Manufacture is of highest quality to assure positive mechanical positioning of interchangeable waveguides and precise installation of mating hp probes (see table, "Waveguide Test Equipment"). hp 809B has a vernier scale reading to 0.1 mm and is equipped for dial gauge mounting. hp 814B has a dial read directly to 0.1 mm and interpolated to 0.01 mm.

hp 810B Slotted Sections. hp 810B, for mounting in 809B carriage, is a flanged, waveguide section with accurately machined slot. Slot is tapered at ends to minimize reflection. Available in 7 waveguide bands, 3.95 through 18.0 KMC*

hp S810A. Complete slotted section assembly including probe carriage. In 2.6 to 3.95 KMC (S-band) size only. *

hp 815B Slotted Sections. For mounting in 814B carriage. Available K and R bands, 18.0 to 40.0 KMC. These sections are accurately machined so that they are quickly and easily interchanged, and precisely positioned.*

*For prices, see Waveguide Test Equipment table.

Microwave Power Measuring Equipment

hp 434A Calorimetric Power Meter

Just connect and read powers 10 mw to 10 watts! Covers dc to 12.4 KMC. No barretter or thermistor needed. No external terminations or plumbing. Measures CW or pulsed power. Two simple controls; no technical skill required.

hp 434A Calorimetric Power Meter is factually, the fastest, easiest way yet devised to measure powers accurately from 10 milliwatts to 10 watts, dc to 12.4 kilomegacycles.

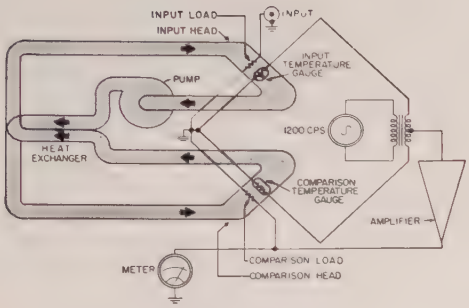
With the 434A, measurement is literally as simple as connecting to the 50 ohm, type N front panel terminal and reading power directly. Thus the instrument is particularly suited for use by non-technical people.

Compact, self-contained

hp 434A fills the range between bolometer microwave power meters (such as the popular hp 430C, below) and conventional calorimeters for powers above 10 watts. But unlike previous cumbersome equipment suggested for its range, the new hp 434A is compact, moderate in cost, completely self-contained, and needs no detectors or external plumbing whatsoever.

Brief Specifications

Input Power Range: 7 ranges; full scale readings 0.01 to 10 watts.
Frequency Range: dc to 12.4 KMC.
Dc Input Impedance: 50 ohms ± 5 ohms at input jack.
Input SWR: Less than 1.7 full range, less than 1.3 to 5 KMC.
Meter Response (full scale): Less than 5 seconds.
Controls: Zero Set, Meter Range.
Accuracy: Within 5% of full scale.
Price: $1,400.00 (cabinet); $1,385.00 (rack mount).



Circuitry, hp 434A

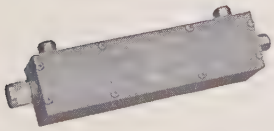
hp 430C Microwave Power Meter

No computations! Provides instantaneous, automatic power readings *direct* in dbm or mw at all frequencies for which there are suitable bolometer mounts. For CW measurements, uses either 1/100 amp. fuse or Sperry 821 barretter. Also measures CW or pulsed power with negative coefficient thermistor. Provides up to 16 ma bias current. Operates with all mounts in adjacent table. Range 0.02 to 10 mw. $250.00.

hp 477B Coaxial Thermistor Mount

For frequency range 10 MC to 10 KMC. SWR less than 1.5. Thermistor element is 200 ohm negative. No tuning required; not susceptible to burnout. $75.00 (including thermistor).

hp 764D-767D Dual Directional Couplers



New high directivity dual coaxial couplers make reflectometer measurements practical in vhf and uhf coax systems. Flat response, high power capacity, low insertion loss. Four models, covering 216 to 4,000 MC collectively, 764D/765D $160.00. 766D/767D $150.00.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 430C Microwave Power Meter	Measurement of rf power	Depends on Bolometer Mount	0.02 to 10 mw ±5% accuracy	$ 250.00
-hp- 434A Calorimetric Power Meter	Measurement of rf power	dc to 12.4 KMC	Direct reading, no barretters, thermistors or terminations; CW, pulsed	1,400.00△
-hp- 475B Tunable Bolometer Mount	Measurement of rf power (with 430B/C)	1,000 to 4,000 MC	Matches 50 ohm line to 100 or 200 ohms	300.00
-hp- 476A Universal Bolometer Mount	Measurement of rf power (with 430B/C)	10 to 1,000 MC	No tuning required SWR less than 1.25	85.00
-hp- 477B Coaxial Thermistor Mount	Measurement of rf power (with 430C)	10 MC to 10 KMC	No tuning required SWR less than 1.5	75.00
-hp- 485 Waveguide Detector Mount	Measurement of rf power	2,600 to 12,400 MC	Full coverage of waveguide band	See Table Waveguide Equipment
-hp- 487B Waveguide Thermistor Mount	Measurement of rf power	3,950 to 40,000 MC	Full coverage, no tuning, 1.5 SWR except K/R487B 2.0	See Table Waveguide Equipment
-hp- 764D Dual Directional Coupler	Reflectometer and rf power measurements	216 to 450 MC	Coupling attenuation* 20 db, directivity 30 db	160.00
-hp- 765D Dual Directional Coupler	Reflectometer and rf power measurements	450 to 945 MC	Coupling attenuation* 20 db, directivity 30 db	160.00
-hp- 766D Dual Directional Coupler	Reflectometer and rf power measurements	940 to 1,975 MC	Coupling attenuation* 20 db, directivity 26 db	150.00
-hp- 767D Dual Directional Coupler	Reflectometer and rf power measurements	1,900 to 4,000 MC	Coupling attenuation* 20 db, directivity 26 db	150.00

*Power handling capacity all 764/767 series couplers 50 watts CW, 10 Kw peak.

hp Waveguide Test Equipment—2.6 to 40.0 KMC

Basic, low-cost elements offer utmost flexibility for assembly of exact instrumentation required. Each unit covers entire range of its waveguide size. Careful engineering, simple, sturdy mechanical design, highest quality manufacture insures accurate, multi-purpose operation.

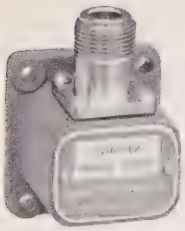
Instrument	Coaxial Type N Conn.	"S" 3" x 1½" 2.6 - 3.95 KMC	"G" 2" x 1" 3.95 - 5.85 KMC	"C" 1.718" x .423" 4.9 - 7.05 KMC	"J" 1½" x ¾" 5.2 - 8.2 KMC	"H" 1¼" x ⅝" 7.05 - 10 KMC	"X" 1" x ½" 8.2 - 12.4 KMC	"M" .850" x .475" 10 - 15 KMC	"P" .702" x .391" 12.4 - 18 KMC	"K" .500" x .250" 18 - 26.5 KMC	"R" .360" x .220" 26.5 - 40 KMC
Adapter, Waveguide to Coax		S281A $50	G281A $40		J281A $35	H281A $30	X281A $25				
Cover to Choke Flange		S290A $65	G290A $50		J290A $35	H290A $30	X290A $15		P290A $25		
Waveguide to Waveguide				-hp- 292 Series: HX292B $25, MX292A $40, MP292A $40, NP292A $40, NK292A $40							
Attenuators Fixed 3, 6, 10, 20 db		S370A $75	G370A $75		J370A $65	H370A $60	X370A $55		P370A $60	K370A $100	R370A $100
Precision Fixed		S372 $375	G372 $250		J372 $140	H372 $120	X372 $100		P372 $115		
Flap, 25 db max.		S375A $120	G375A $110	C375A $110	J375A $100	H375A $90	X375A $90		P375A $100	K375A†† $140	R375A†† $180
Calibrated, precision		S380A $260	G382A $500	C382A $500	J382A $350	H382A $350	X382A $275	M382A $300	P382A $275	K382A†† $425	R382A†† $450
Detector Mounts	420A $50					H421A $95	X421A $75	M421A $125	P421A $105		
	420B $75										
	440A‡ $85										
		S485D° $170	G485D° $170		J485D° $170						
		S485A‡ $140	G485B† $95		J485B† $90	H485B† $85	X485B† $75				
Thermistor Mounts (Fixed tuned)■	477B $75		G487B $95		J487B $90	H487B $80	X487B $75	M487B $110	P487B $110	K487B†† $150	R487B†† $225
Frequency Meters, Reaction				C530A $160	J530A/B**	H530A $120	X530A $120		P530A $150		
Direct Reading			G532A■■		J532A■■	H532A $195	X532B $150	M532B $275	P532A $210	K532A $230	R532A $250
Directional Coupler, Cross Guide: 20, 30 db		S750 $150	G750 $120		J750 $80	H750 $70	X750 $50				
Directional Couplers, Multi Hole: 3, 10, 20 db		S752 $375	G752 $250		J752 $140	H752 $120	X752 $100	M752 $130	P752 $115	K752†† $175	R752†† $200
Slotted Sections, Waveguide		S810A* $450	G810B§ $110	C810B $110	J810B§ $110	H810B§ $110	X810B§ $90	M810B§ $110	P810B§ $110		
Slotted Sections, Waveguide										K815B†† $265	R815B†† $265
Tuners, Slide Screw		S870A $225	G870A $185	C870A $170	J870A $150	H870A $130	X870A $125	M870A $130	P870A $130	K870A†† $250	R870A†† $300
E - H							X880A $130		P880A $150		
Waveguide Phase Shifter					J885A $500		X885A $400		P885A $550		
Terminations, Low Power		S910A $60	G910A $50	C910A $55	J910A $35	H910A $30	X910B $25		P910A $30		
Terminations, High Power		S912A $200					X912A $75				
Moving Load		S914A $100	G914A $75		J914A $70	H914A $60	X914B $50	M914B $65	P914A $55	K914B†† $250	R914B†† $250
Standard Reflections							X916 $100				
Adjustable Shorts		S920A $150	G920A $125		J920A $100	H920A $75	X920A $75	M920B $75	P920A $75	K920A†† $140	R920A†† $150
Waveguide Shorting Switch							X930 $100				
Harmonic Mixer	934A $150	1 to 12.4 KMC							P932A $250		
Broad Band Probe	442B§ $40					All Frequencies					
Broad Band Probe, Untuned				444A $40	2.4 to 18 KMC				446B $145	18 to 40 KMC	
Waveguide Clamps, Stands			Model 24 stand, $3.00					Model 25 clamps, $2.50 each, all bands			

†For use with barretter or crystal. ‡For use with barretter only. *Complete assembly including carriage. §Mounts in 809B Carriage. ■■ Price on request.
■Includes Thermistor, installed. **J530A, 5.85 to 8.2 KMC, $120; J530B, 5.20 to 7.05 KMC, $150. ° Includes barretter; checked for square law characteristics.
††Available with circular flanges equivalent to UG-425/u for K bands and UG-381/u for R bands. Specify by adding suffix "C" to model number: i.e., K487BC.

hp 382A Precision Attenuators

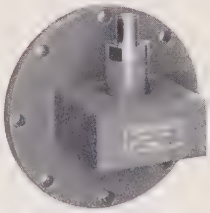
Previously offered for frequencies 3.95 through 18.0 KMC, popular hp 382A series precision attenuators are now available in "K" and "R" bands, 18.0 to 40.0 KMC. "K," "R" band attenuators are of new, space-saving design (see photo). Direct reading, one control tuning, high power handling capacity. Attenuation 0 to 50 db full range, independent of frequency. Phase shift constant with attenuation. For prices G, C, J, H, X, M and P382A, see table above. hp K382A, $425.00. hp R382A, $450.00.

hp 281A Waveguide - Coax Adapters

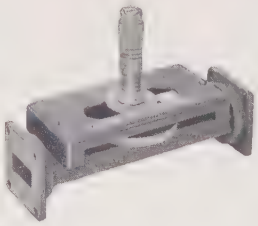


For convenient transition between waveguide and coax systems. Each unit covers a full waveguide range with SWR less than 1.25. Type N coax fitting (female). AN-waveguide flange. For S, G, J, H and X bands, 2.6 to 12.4 KMC. $25.00 to $125.00.

hp 487B Thermistor Mounts



For fast, accurate waveguide power measurements. Each unit covers full range of its waveguide frequency. No tuning needed, SWR 1.5 max., except K and R bands, SWR 2.0 max. Max. power 10 mw. Rugged construction, high temperature coefficient thermistors virtually eliminate burnout. For G, J, H, X, M, P, K and R bands. 3.95 to 40.0 KMC. $75.00 to $225.00.



hp 870A Slide Screw Tuners

For flattening waveguide systems, matching, etc. Probe position and penetration adjusts to setup reflection canceling existing reflection. Precision lead screw or micrometer varies probe insertion; vernier adjusts probe position. Corrects SWRs of 20 with accuracy of 1.02 SWR. For S, G, C, J, H, X, M, P, K, R, bands, 2.6 to 40.0 KMC. $125.00 to $300.00.

hp 420A/B Crystal Detectors

Employs a silicon crystal to detect rf signals in Type N coaxial lines. Covers frequencies 10 MC to 12.5 KMC, sensitivity approx. 0.01 v/0.1 mw, frequency response ± 3 db full range. Uses modified 1N26 crystal, max. SWR 3. $50.00 each. Also available in matched pairs as hp 420B, $150.00 pair.

hp 444A/446B Untuned Probes

hp 444A is modified crystal (1N76 or 1N26) plus small antenna in convenient housing. Probe penetration easily variable; may be locked in position. No tuning needed; sensitivity superior to most elaborate single or double tuned probes. Range 3.0 to 18 KMC; fits ¾" bore. *New hp 446B,* for hp 814 Probe Carriage, similar but covers K and R bands, 18.0 to 40.0 KMC. hp 444A, $40.00. hp 446B, $145.00.

NEW! hp Noise Measuring Equipment

hp 344AR Noise Figure Meter

This automatic, transistorized new instrument *reliably and continuously measures noise figure on operating radars.* Its fast meter response lets you optimize noise figure during operation. Its high sensitivity (can be decoupled 20 db from transmitter line) minimizes system degradation and effectively extends radar range. The instrument is militarized for dependability in all environments.

Model 344AR is used with a remote modulator and noise source so that high voltage slip-rings are unnecessary. During radar scan the 344AR termination is passive to eliminate spurious reflections from appearing as target. 1 MC bandwidth, 25 or 30 MC input, designed for pulse rep rates of 90 to 500 pps but usable with most jitter repetition systems.

Required gain between 344AR and noise source is 35 db ± 5 db. Input impedance is 75 ohms, return loss 20 db, 20 to 40 MC. Accuracy (excluding excess noise accuracy) is ± 0.5 db, 0 to 12 db; ± 1 db, 12 to 20 db. Simple front panel calibration, remote metering if desired. Optional alarms indicate noise figure above preset level, or failure in noise source current. hp 344AR, $1,600.00 *(Approximately. Depends on options and modifications.)*

hp 342A Noise Figure Meter

hp 340B/342A Noise Figure Meters

General-purpose instruments making possible, in minutes, receiver and component alignment jobs that once took hours. Simplifies accurate alignment; encourages better maintenance; better performance.

hp 340B automatically measures, continuously displays IF or rf amplifier noise figure at 30 or 60 MC; other freq. on order. $715.00 (cabinet); $700.00 (rack).

hp 342A, similar, operates on 30, 60, 70, 105, 200 MC. 30 MC and 4 other frequencies between 38 and 200 MC on order. $815.00 (cabinet); $800.00 (rack).

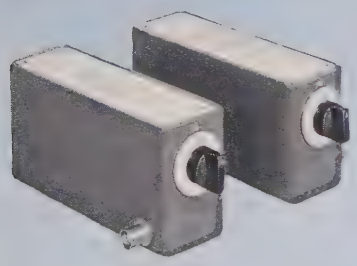
(NOTE: Models 340B and 342A available only in the U. S. A. and Canada.)

hp 343A vhf Noise Source, temperature limited diode broadband source, 10 to 600 MC, 5.2 db noise, $100.00.

hp 345B IF Noise Source, 30 or 60 MC (others to order); 4 impedances, 5.2 db noise. $75.00.

hp 347A Waveguide Noise Source, Argon gas discharge tubes in waveguide section; for bands S, G, C, J, H, X, M, P, 2.6 to 18.0 KMC, $190.00 to $250.00.

hp 355A/B Attenuators – 0 to 132 db



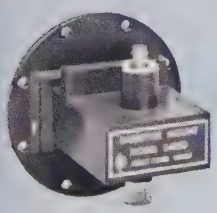
Here are two 50 ohm attenuators providing, together, 0 to 132 db attenuation in 1 db steps from dc to 500 MC! hp 355A provides 0 to 12 db attenuation in 1 db steps; hp 355B provides 0 to 120 db attenuation in 10 db steps. One simple control for each attenuator; overall full range accuracy is ± 0.25 db for hp 355A. For hp 355B, accuracy is ± 1 db to 250 MC; ± 2 db to 500 MC. hp 355A or 355B, $125.00.

hp 350 Attenuators

Basic bridged-T high accuracy attenuators (not pictured). hp 350A matches 500 ohm lines, hp 350B matches 600 ohms. Maximum 110 db attenuation in 1 db steps. 5 watts capacity, high accuracy, compact, low cost. hp 350A or 350B, $85.00.

More hp equipment, available for most waveguide frequencies

hp 485 Detector Mounts



Three basic series offered; *S485A* for S band (no tuning, 1.35 SWR, 821 element); *485B,* for G, J, H, X bands (tunable, 1.25 SWR (with barretter) full range. 1N23, 1N21 or 821 element); *485D* for S, G, J bands (factory-installed 821 barretter). $75.00 to $170.00.

△ Rack mount instrument $15.00 less.

hp 532 Waveguide Frequency Meters

New design for G, J, H, M, P, K, R bands. Wide band, direct reading, no interpolation or charts. Comprises a high Q resonant cavity tuned by choke plunger; no sliding contacts. Transmits almost full power at resonance; resonance indicated by 1.5 db dip in output. Precision tuning mechanism; no back-lash. Also similar model for X-band. $150.00 to $275.00.

hp 752 Multi-Hole Couplers

Precision directional couplers available in 3 models with coupling factors of 3, 10 and 20 db. Coupling accuracy ± 0.4 db except K, R bands which are ± 0.7 db. Directivity better than 40 db full range, coupling variation not over ± 0.5 db full range. Primary guide SWR less than 1.05. S, G, J, H, M, X, P, K, R bands, 2.6 to 40.0 KMC. $100.00 to $375.00

Wide Band Amplifiers for Fast Circuit Work

hp Traveling-Wave Tube Amplifiers

hp offers Traveling-Wave Tube Amplifiers for all frequencies 2 to 12.4 KMC. hp 490B, 492A and 494A are low level, high gain amplifiers with 30 and 25 db gain; they offer amplitude, pulse, phase or FM modulation. hp 491A is a high power traveling-wave tube amplifier having a rated output of 1 watt, 2 to 4 KMC. All amplifiers have exclusive hp helical coupling system, and employ encapsulated traveling-wave tubes that can be readily replaced. hp 490B/491A, $1,400. hp 492A/494A, $1,500.

Instrument	Primary Uses	Frequency Range	Characteristics	Price
-hp- 450A Amplifier, Stabilized	General purpose lab amplifier	10 cps to 1,000,000 cps	20 and 40 db gain, frequency response ±½ db	$ 140.00
-hp- 460AR Amplifier, Wide Band	Wide band, pulse amplification	100 KC to 120 MC	20 db gain, rise time 0.003 μsec	185.00
-hp- 460BR Amplifier, Fast Pulse	Pulse amplification high output	100 KC to 120 MC	15 db gain, 125 peak volts	225.00
-hp- 466A ac Amplifier	General purpose lab amplifier	10 cps to 1 MC	20, 40 db gain; freq. response ± 0.5 db	150.00
-hp- 490B Traveling-Wave Tube Amplifier	Amplification throughout "S" band	2 to 4 KMC	30 db gain; mμsec rise time; 10 mw output	1,400.00
-hp- 491A Traveling-Wave Tube Amplifier	High power "S" band amplification	2 to 4 KMC	30 db gain; mμsec rise time; 1 watt output	1,400.00
-hp- 492A Traveling-Wave Tube Amplifier	Amplification through most of "G" and "J" bands	4 to 8 KMC	30 db gain; mμsec rise time; 10 mw output	1,500.00
-hp- 494A Traveling-Wave Tube Amplifier	Amplification throughout "X" band	7 to 12.4 KMC	25 db gain; mμsec rise time; 5 mw output	1,500.00

hp 466A ac Amplifier

General-purpose transistorized instrument amplifier offering standard gains of 20 and 40 db, ± 0.2 db at 1000 cps. Distortion less than 1%, 10 cps to 100 KC. Frequency response ± 0.5 db 10 cps to 1 MC, output 1.5 v rms across 1500 ohms, noise 75 μv rms, referred to input; input impedance 1 megohm with 20 μμf shunt. Battery powered, 150 hours operation; or ac driven. Weight just 3 lbs. $150.00.

hp 460AR/BR Fast Pulse Amplifiers

hp 460AR Wide Band Amplifiers, in cascade with hp 460BR Fast Pulse Amplifiers, provide up to 90 db gain, 125 v open circuit. This permits direct connection to oscilloscope deflection plates. Rise time 0.003 μsec. Will amplify millimicrosecond pulses. Over 100 MC band width for 'scopes. hp 460AR, $185.00. hp 460BR, $225.00.

hp Regulated and Klystron Power Supplies

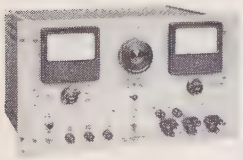
hp 721A Power Supply

New, completely transistorized, compact, regulated supply. Output 0 to 30 v, continuously variable. 150 ma maximum output, output impedance less than 0.2 ohms. Regulation, no load to full load, 0.3% or 30 mv whichever is greater. Line voltage change of ± 10% causes output change of less than 0.3% or ± 15 mv, whichever is greater. Front panel switch limits maximum output current preventing damage to transistors, etc., from accidental overload. Reads ma, v direct. $145.00.

Instrument	Primary Use	Characteristics	Price
-hp- 711A Laboratory Power Supply	General purpose regulated dc supply for lab and field use	0 to 500 volts @ 100 ma	$250.00
-hp- 712B Power Supply	Same as 711A	0 to 500 volts @ 200 ma	365.00△
-hp- 715A Klystron Power Supply	Regulated beam, reflector source for low power klystrons	250 to 400 volts @ 50 ma	300.00
-hp- 721A Transistor Power Supply	Powering transistors, similar applications	0 to 30 v, 150 ma	145.00

△ Rack mounted instruments $15.00 less.

hp 712B Power Supply



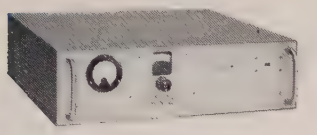
This hp instrument features high regulation of 50 mv no load to full load, 0.1 millisecond transient response, internal impedance 0.1 ohms in series with 25 μh; full-load maximum hum less than 500 μv, sealed transformers, chokes and condensers. 0 to 500 v, 200 ma supply and fixed —300 v tap providing a 50 ma, 300 to 800 v variable supply for klystron operation. $365.00△.

hp 711A Power Supply

High regulation, 0 to 500 volt supply with separate meters. Ideal for powering experimental setups, other basic applications, including driving low level amplifiers, constant frequency oscillators and other setups requiring highly stable voltages. Regulation 0.5% or 1.0 volt, whichever is greater, no load to full load or on line voltages 110/230 v ± 10%. Less than 1.0 mv ripple, overload relay protection. Includes two 6.3 v ac 3 amp supplies. $250.00 (rack mount, $255.00).

hp Signal Generators – 50 KC to 21 KMC

NEW! hp Frequency Doublers to 40 KMC

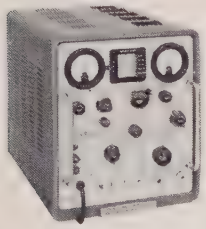


Operating on harmonic generation principles, new hp 938A and 940A Frequency Doubler Sets provide output from 18 to 26.5 KMC and 26.5 to 40.0 KMC respectively. The Doublers can be driven by hp 626A or 628A Signal Generators. hp 686A and 687A Sweep Oscillators or by klystrons. The input signal may be CW, pulsed or swept; thus Doublers retain flexibility of driving instrument. Output approx. 0.5 to 1 mw with hp Signal Generators; input power is 10 mw to 200 mw. Output monitor accuracy ± 1 or 2 db. 100 db attenuator accurate within ± 2% of reading or 0.2 db. hp 938A, $1,500.00. hp 940A, $1,500.00.

hp 606A Standard Signal Generator

New, ultra-modern; 50 KC to 65 MC. Output 3 v full range, continuous attenuation to 0.1 μv. MO-PA circuit with full feedback loop provides constant output full range. Low distortion, broad modulating capabilities. Typical hp speed, ease of operation; occupies ¼ bench space normally needed for generators of this frequency. $1,200.00△.

hp 608D vhf Signal Generator



10 to 420 MC. Highest stability. Low incidental FM or frequency drift. Calibrated output 0.1 μv to 0.5 v throughout range. Built-in crystal calibrator provides frequency check accurate within 0.01% each 1 and 5 MC. Master-oscillator, intermediate and output amplifier circuit design. Premium quality performance, direct calibration, ideal for aircraft communications equipment testing. $1,100.00.

hp 608C vhf Signal Generator. High power (1 v max.) stable, accurate generator for lab or field use. 10 to 480 MC. Ideal for testing receivers, amplifiers, driving bridges, slotted lines, antennas, etc. $1000.00.

Instrument	Frequency Range	Characteristics	Price
-hp- 606A	50 KC to 65 MC	Output 0.1 μv to 3 v. Full feedback loop, low distortion	$1,200.00△
-hp- 608C	10 to 480 MC	Output 0.1 μv to 1 v into 50 ohm load. AM, pulse, or CW modulation. Direct calibration	1,000.00■
-hp- 608D	10 to 420 MC	Output 0.1 μv to 0.5 v. Incidental FM less than 0.001%	1,100.00■
-hp- 612A	450 to 1,230 MC	Output 0.1 μv to 0.5 v into 50 ohm load. AM, pulse, CW or square wave modulation. Direct calibration	1,200.00■
-hp- 614A	800 to 2,100 MC	Output 0.1 μv to 0.223 v into 50 ohm load. Pulse, CW or FM modulation. Direct calibration	1,950.00■
-hp- 616B	1,800 to 4,200 MC	Output 0.1 μv to 0.223 v into 50 ohm load. Pulse, CW or FM modulation. Direct calibration	1,950.00■
-hp- 618B	3,800 to 7,600 MC	Output 0.1 μv to 0.223 v into 50 ohm load. Pulse, CW FM or square wave modulation. Direct calibration	2,250.00■
-hp- 620A	7,000 to 11,000 MC	Output 0.1 μv to 0.223 v into 50 ohm load. Pulse, FM or square wave modulation. Direct calibration	2,250.00■
-hp- 623B	5925 - 6575 MC 6575 - 7175 MC 7175 - 7725 MC (specify)	Output 70 μv to 0.223 v into 50 ohm load. FM or square wave modulation. Separate power meter and wave meter section	1,900.00
-hp- 624C	8,500 to 10,000 MC	Output 2.23 μv to 0.223 v into 50 ohm load. Pulse, FM or square wave modulation. Separate power meter and wave meter section	2,265.00△
-hp- 626A	10 to 15.5 KMC	Output 10 dbm to —90 dbm. Pulse, FM, or square wave modulation. Direct calibration	3,250.00■
-hp- 628A	15 to 21 KMC	Output 10 dbm to —90 dbm. Pulse, FM, or square wave modulation. Direct calibration	3,250.00■

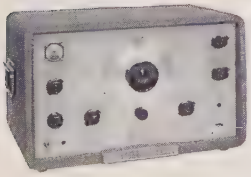
△ Rack mounted instruments $15.00 less.
■ Rack mounted instrument $25.00 less.

hp 626A/628A shf Signal Generators

New instruments, bringing high power, wide range, convenience and accuracy 10 to 21 KMC range. Frequencies, output voltage directly set and read. Output 10 to 20 db better than previous spot-frequency sets SWR better than 1.2 at 0 dbm and lower. Internal pulse, FM or square wave modulation; also external pulsing or FM'ing. hp 626A, 10 to 15.5 KMC, $3,250.00. hp 628A, 15 to 21 KMC, $3,250.00.

hp Swept Frequency Oscillators

hp 686A Electronic Sweep Oscillator



Totally new kind of backward-wave device eliminating sweep motors, tuning plungers, range limitations, etc. Covers all or part of X-band with flexible, *quiet* electronic sweep. Simple to operate, direct reading, continuously adjustable sweep width and rate, 10 mw output minimum, frequency sweep linear with time. Has slow sweep for recorders; fast for oscilloscope; single sweep manually started or externally triggered, external FM, AM modulation. Ultimate in X-band sweep oscillators, $2,900.00△.

Instrument	Frequency Range	Characteristics	Price
-hp- 682A	1.0 to 2.0 KMC	Electronically swept; variable sweep rate, width. Output 10 mw, SWR 3.1 or less Pulse, square wave, FM, AM modulation	$3,090.00△
-hp- 683A	2.0 to 4.0 KMC		3,000.00△
-hp- 684B	4.0 to 8.1 KMC		2,900.00△
-hp- 686A	8.2 to 12.4 KMC		2,900.00△
-hp- 687A	12.4 to 18.0 KMC		3,400.00△

△ Rack mounted instruments $15.00 less

Data subject to change without notice. *Prices f. o. b. factory.*

Sales and Service Representatives in North America

✦ Indicates Instrument Repair Stations.

EASTERN SEABOARD

Asbury Park, New Jersey
The I. E. Robinson Company
905 Main Street
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Baltimore 15, Maryland
Horman Associates, Inc.
3006 West Cold Spring Lane
MOhawk 4-8345

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Middlesex Turnpike
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R. M. C. Associates
236 East 75th Street
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2363 James Street
HEmpstead 7-8446

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149 Front St.
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Bivins & Caldwell, Inc.
3133 Maple Drive, N. E.
CEdar 3-7522

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1923 N. Main Street
882-6873

Huntsville, Alabama
Bivins & Caldwell, Inc.
534-5733
(Direct line to Atlanta)

✦ Orlando, Florida
Stiles Associates, Inc.
1226 E. Colonial Dr.
GArden 5-5541

Richmond 30, Virginia
Bivins & Caldwell, Inc.
1219 High Point Ave.
ELgin 5-7931

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✦ Chicago 45, Illinois
Crossley Associates, Inc.
2501 West Peterson St.
BRoadway 5-1600

✦ Cleveland 24, Ohio
S. Sterling Company
5827 Mayfield Road
HIllcrest 2-8080

✦ Dayton 19, Ohio
Crossley Associates, Inc.
2801 Far Hills Avenue
AXminster 9-3594

✦ Detroit 35, Michigan
S. Sterling Company
15310 West McNichols Rd.
BRoadway 3-2900

✦ Indianapolis 20, Indiana
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5420 No. College Avenue
CLifford 1-9255

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Harris-Hanson Company
7916 Paseo Blvd.
HIlland 4-9494

St. Louis 17, Missouri
Harris-Hanson Company
2814 South Brentwood Blvd.
MIssion 7-4350

✦ St. Paul 14, Minnesota
Crossley Associates, Inc.
842 Raymond Avenue
MIdway 6-7881

✦ Dallas 9, Texas
Earl Lipscomb Associates
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FLeetwood 7-1881 and
EDison 2-6667

✦ Houston 5, Texas
Earl Lipscomb Associates
P. O. Box 6646
MOhawk 7-2407

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6501 Lomas Blvd., N. E.
ALpine 5-5586

✦ Denver 10, Colorado
Lahana & Company
1886 South Broadway
PEarl 3-3791

Las Cruces, New Mexico
Neely Enterprises
114 S. Water Street
JAckson 6-2486

✦ Los Angeles, California
Neely Enterprises
3939 Lankershim Blvd.
North Hollywood, Calif.
TRiangle 7-0721

✦ Phoenix, Arizona
Neely Enterprises
641 East Missouri
CRestwood 4-5431

Portland 9, Oregon
ARVA
1238 N. W. Glisan
CApitol 2-7337

✦ Sacramento 14, California
Neely Enterprises
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Lahana & Co.
1482 Major St.
HUnter 6-8166

✦ San Diego 6, California
Neely Enterprises
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ACademy 3-8106

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Neely Enterprises
501 Laurel Street
LYtell 1-2626

✦ Seattle 9, Washington
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1320 Prospect Street
MAin 2-0177

Tucson, Arizona
Neely Enterprises
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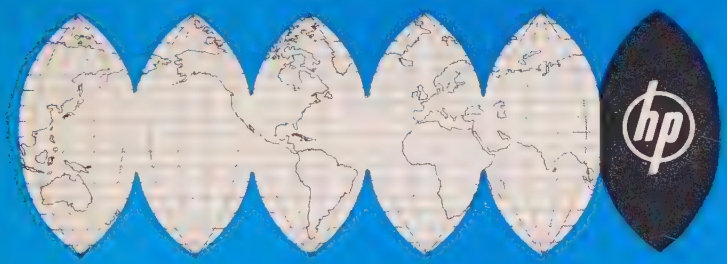
Atlas Instrument Corporation, Ltd.
3333 Cavendish Blvd.
HUnter 9-8495 and 8496

✦ Toronto 10, Ontario
Atlas Instrument Corporation, Ltd.
50 Wingold Avenue
RUssell 1-6174

Vancouver 2, British Columbia
Atlas Instrument Corporation, Ltd.
106-525 Seymour Street
MUtual 3-5848



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CABLE "HEWPACK" DAvenport 6-7000

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✦ Indicates Instrument Repair Stations.

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Telecomunicaciones
Carlos Calvo 224, Buenos Aires
Tel. 30-6312-34-9087

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Geo. H. Sample & Son
(Electronics) Pty. Ltd.
-19 Anthony Street, Melbourne, C.1.
Tel: FJ 4138 (3 Lines)

Geo. H. Sample & Son Pty. Ltd.
280 Castlereagh Street, Sydney
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Caribbean Electronics, S.A.
Callé L 353, Vedado, Habana
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Centrumgården, Room 133
5D, Vesterbrogade, Copenhagen V.
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INTO O/Y
11 Meritullinkatu, Helsinki
Tel: 62 14 25 and 35 125

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Tel: RIChelieu 49-88

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Verkaufsbüro
Frankfurt am Main
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Telefon 55 47 27

Greece
K. Karayannis
Karitsi Square, Athens
Tel: 23-213 (9 Lines)

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Company, Ld.
6, Tej Bahadur Sapru Road
Allahabad 1

The Scientific Instrument
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240, Dr. Dadabhai Naoroji Road
Bombay 1

The Scientific Instrument
Company, Ld.
11, Esplanade East, Calcutta 1

India (Continued)
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Company, Ld.
B-7, Ajmeri Gate Extn.
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Company, Ld.
30, Mount Road, Madras 2

Israel
Electronic & Engineering Ltd.
6 Feierberg St., Tel-Aviv
Phone 4288

✦ Italy
Dott. Ing. Mario Vianello
Via. L. Anelli 13, Milano
Telef. 553-081

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Daini Taihei Building
No. 1 Kanda Higashi-Fukudacho
Chiyoda-Ku, Tokyo
Tokyo (866) 3136 - 8

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London N. 19, England
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SYNTHANE is the name for a family of thermosetting plastic laminates valued generally for their electrical, mechanical and chemical properties in combination. Synthane laminates are important specifically for such properties as:

Dielectric Strength

Moisture Resistance

Impact Strength

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Light Weight—less than half the weight of aluminum

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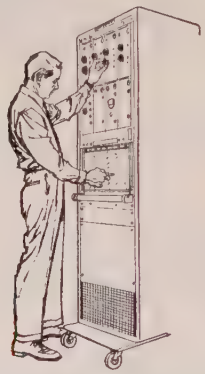


SANBORN

"BUILDING-BLOCK" FLEXIBILITY CAN MEET THEM

INPUT CHARACTERISTICS

FREQUENCY RESPONSE RANGE . . . RECORDING METHOD

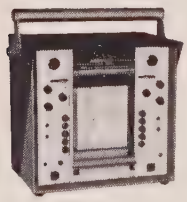
PACKAGING . . . NUMBER OF CHANNELS

LARGE-SCREEN VISUAL PRESENTATION

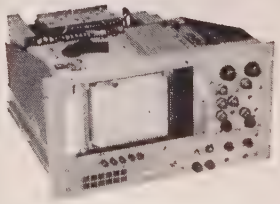
TRANSDUCERS

RELATED INSTRUMENTS, ACCESSORIES

1-channel, 21 lb. portables — Model 299 for general purpose DC recording, Model 301 for AC strain gage recording.

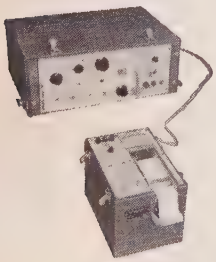


Model 320 2-channel, 4-speed portable . . . 50 mm wide channels.

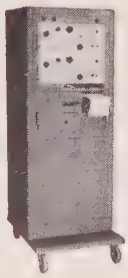


Model 297 2-channel recorder, rack mount in 10½" space or portable housing.

1- to 8-channel "150's", DC to 100 cps.

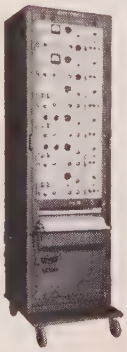


MODEL 151

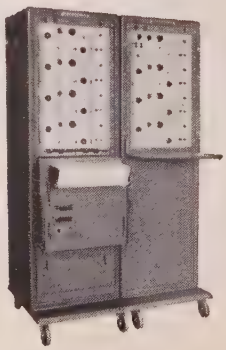


MODEL 152

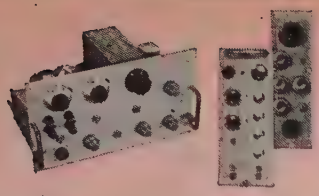
MODEL 154



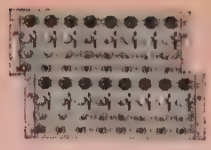
MODEL 156



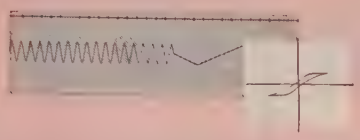
MODEL 158



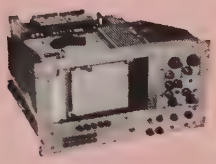
Interchangeable, plug-in preamps for "850" systems include Carrier, Phase-Sensitive Demodulator, DC Coupling, Low Level . . . for "350" systems, all "850" types plus 400 Cycle Frequency Deviation, Logarithmic types . . . for "150" systems, all "350" and "850" types plus AC-DC, AC Wattmeter, RMS Volt/Ammeter, Frequency Meter, Stabilized DC types, and Triplexer 3-channel electronic switch.



Single-chassis, 6- and 8-channel amplifiers for "950" systems include high and low gain general purpose types . . . for "650" systems and optical oscillographs of other manufacturers, a 6- or 8-channel medium gain amplifier.



From DC to 150 cps with most Sanborn systems which produce inkless, heated stylus recordings in true rectangular coordinates . . . *up to 5000 cps* with new optical system using ultraviolet-sensitive paper. *Optical X-Y Recorder* has 2500"/sec. writing speed, immediate readout.



Sanborn "building block" units give you extremely wide packaging flexibility: "150" amplifiers and recorders can be separately housed or combined in mobile cabinets . . . "350" preamps may be used alone or in a system . . . "850" and "950" systems can have up to 16 channels in a single cabinet . . . optical 5000 cycle recorder can be housed with X-Y recorder, etc. *All* Sanborn multi-channel recorder assemblies and 350, 650, 850 & 950 amplifier modules fit standard 19" racks.

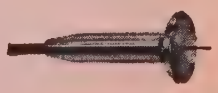
Up to 8 brilliant, long-persistence traces presented simultaneously on the new 17" Sanborn Model 769 scope. Circuit includes individual gating amplifiers for each Y axis.

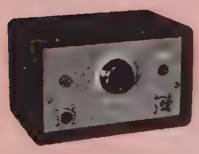
SANBORN COMPANY

INDUSTRIAL DIVISION

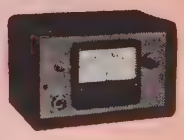
175 Wyman Street, Waltham 54, Mass.

Measure linear velocity and displacement with Sanborn LVsyn, Linearsyn and "probe-style" transducers. Strokes from ±0.005" to 10", high sensitivities, 0.5% linearity; special types for high temperatures, pressures . . . single-ended or differential pressure measurements at 40 μv/0.1mmHg/volt sensitivities, with 267, 268 Series pressure transducers.



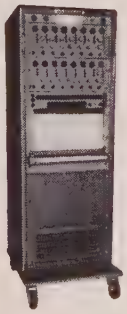


Complete Sanborn equipment for your oscillographic recording needs includes a variable speed *Chart Viewer* . . . *Servo Monitor Phase Shifter* . . . "150" Series *Wide Band Driver Amplifier* . . . a *Monitor Meter* . . . 4- to 32- channel *Event Recorders* with *Transistor Driver Amplifiers.*

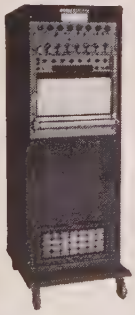


See how Sanborn oscillographic recording building-block flexibility can provide the most suitable equipment for *your* needs. Ask your Sanborn Sales-Engineering Representative — offices in principal cities throughout the United States, Canada and foreign countries.

Economical 8-channel "950" high gain, general purpose system.

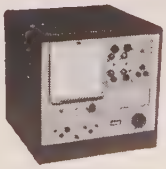


Model 958-16 Complete 16-channel system with amplification . . . cabinet or rack mounting.

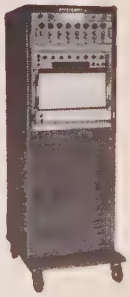


6- or 8-channel "850's", min. panel space.

Model 650 1- to 24-channel optical system, DC to 5000 cps.



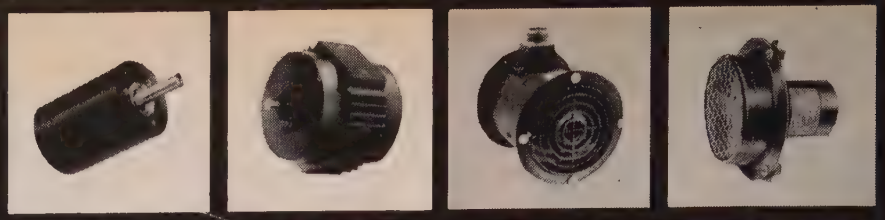
Model 670A High speed (100 cps) optical X-Y recorder.

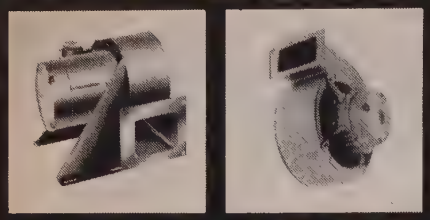


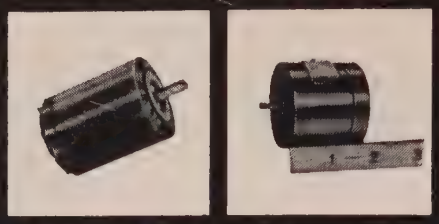
Simplified 6- or 8-channel system, 5 volts full scale.

6- or 8-channel "350's", DC to 150 cps.

OUR FIELD ENGINEERS WILL GLADLY ASSIST YOU IN YOUR COOLING PROBLEMS







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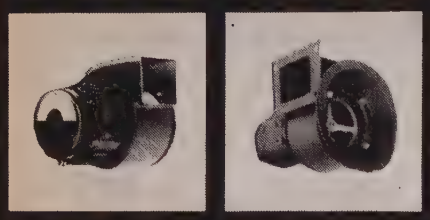
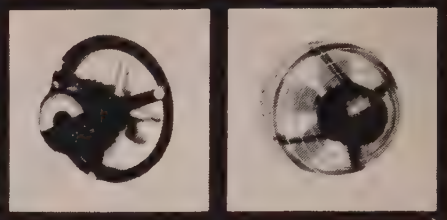
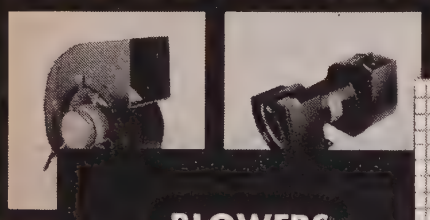
Centrifugal and Vane Axial Blowers, Blower Housings, Axial Flow Fans.

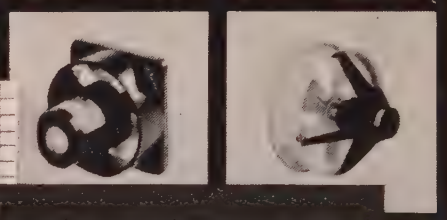


TYPES OF SUB-FRACTIONAL MOTORS MANUFACTURED:

Induction, Hysteresis Synchronous, Reluctance Synchronous, Servo, Gear and High Slip Induction.







BLOWERS

C F M	to 750 max.
Types	Single, double, inverted
Housings	2¼" to 11½", vertical, overall
Mountings	Flange, foot, cone

MOTORS

Horsepower	1/500th to ½ h.p.
Speeds	3600 rpm max. at 60 cps 24,000 rpm max. at 400 cps Dual and Variable Speed Units
Frequency	Fixed . . . 50, 60 or 400 cps Variable . . . 50 to 450 cps, and 320 to 1,000 cps Special . . . as required
Voltage	Standard 115V and 230V Special . . . as required
Phase	1, 2 or 3 phase
Size	1" O.D. to 4⅜" O.D.

FANS

C F M	to 1000 max.
Types	Axial, vane axial, ALTIMATIC®
Blades	2" to 12" dia.
Mountings	Venturi, foot.

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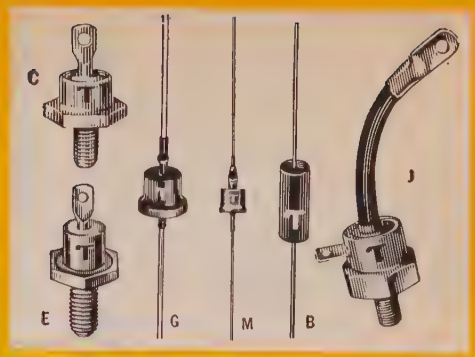


SILICON RECTIFIERS

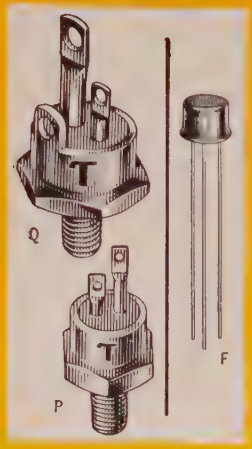
For Complete Information,
write for Bulletins TE-1351 and TE-1336

Ratings at 150°C

Type	Maximum Average Forward Current (Amps)	Peak Recurrent Inverse Voltage (Volts)	Maximum Inverse Current (ma)	Package
TK21	.5	200	.2	M
TK41	.5	400	.2	M
TK61	.5	600	.2	M
1N2506 (SL710)	.1	1000	.2	G
1N2507 (SL712)	.1	1200	.2	G
1N2508 (SL715)	.1	1500	.2	G
1N538 (JAN)	.25	200	.35	G
1N540 (JAN)	.25	400	.35	G
1N547 (JAN)	.25	600	.35	G
2W9†	.05	900	.2	B
2W15†	.05	1500	.2	B
2W20A†	.075	2000	.2	B
1N253* (JAN)	1.0	95	.1	E
1N254* (JAN)	0.4	190	.1	E
1N255* (JAN)	0.4	380	.15	E
1N256* (JAN)	0.2	570	.25	E
TM67	3	600	.5	E
TM47	3	400	.5	E
TM124	1	1200	.5	E
TM104	1	1000	.5	E
TM155	0.4	1500	.5	E
1N249A	20	100	5	C
1N250A	20	200	5	C
TR402	20	400	5	C
1N411B	50	50	15	J
1N412B	50	100	15	J
1N413B	50	200	15	J
TH402B	50	400	15	J

*JAN TYPES Rated at 135°C Case Temperature
†Rating at 125°C

CONTROLLED RECTIFIERS & SWITCHES



SILICON CONTROLLED RECTIFIERS are now available in both the 7/16" hex and 1 1/16" hex base packages.

For Complete Information write for Bulletin TE-1356

Type	Minimum Peak Reverse Voltage and Minimum Forward Breakover Voltage (Volts)	Maximum Average Forward Current (amps) at 25°C case	at 100°C case	Hex size of Package	Package
TCR 520	50	20	10	1 1/16	Q
TCR 1020	100	20	10	1 1/16	Q
TCR 1520	150	20	10	1 1/16	Q
TCR 2020	200	20	10	1 1/16	Q
TCR 2520	250	20	10	1 1/16	Q
TCR 3020	300	20	10	1 1/16	Q
TCR 3520	350	20	10	1 1/16	Q
TCR 4020	400	20	10	1 1/16	Q
TCR 510	50	10	5	1 1/16	Q
TCR 1010	100	10	5	1 1/16	Q
TCR 1510	150	10	5	1 1/16	Q
TCR 2010	200	10	5	1 1/16	Q
TCR 2510	250	10	5	1 1/16	Q
TCR 3010	300	10	5	1 1/16	Q
TCR 3510	350	10	5	1 1/16	Q
TCR 4010	400	10	5	1 1/16	Q
TCR 505	50	5	2	7/16	P
TCR 1005	100	5	2	7/16	P
TCR 1505	150	5	2	7/16	P
TCR 2005	200	5	2	7/16	P
TCR 2505	250	5	2	7/16	P
TCR 3005	300	5	2	7/16	P
TCR 3505	350	5	2	7/16	P
TCR 4005	400	5	2	7/16	P

THE TRANSWITCH

For Complete Information, write for Bulletin TE-1357

Type	Minimum Breakover Voltage V_{BO} (Volts)	Maximum Forward Current I_F (ma)	Maximum Gate Current to Turn-On I_G On (ma)	Maximum Gate Current to Turn-Off I_G Off (ma)	Package
TSW-30	30	50	1.0	10*	F
TSW-60	60	50	1.0	10*	F

*I_G = 50 ma

NEW SILICON CARBIDE RECTIFIER

Expanding temperature range to 500°C
For Complete Information, write for Bulletin PB-70

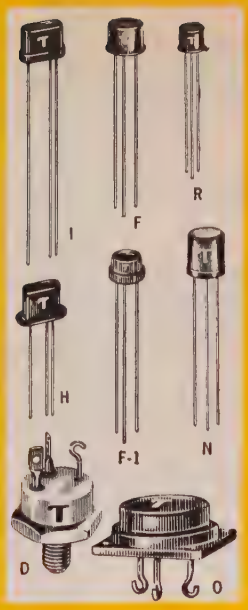
PACKAGE L

	SPECIFICATIONS @ 500°C.			RATINGS @ 500°C.		SPECIFICATIONS @ 25°C.		
Type	Peak Inverse Voltage (volts)	Maximum Inverse Current I_b (μa)	Maximum Forward Voltage @ Specified Current (volts @ mA)	Maximum Average Forward Current I_o (mA)	Maximum Peak Inverse Voltage (volts)	Peak Inverse Voltage (volts)	Maximum Inverse Current I_b (μa)	Maximum Forward Voltage @ Specified Current (volts @ mA)
TCS10	100	500	6 @ 100	100	100	100	10	12 @ 100
TCS5	50	500	4 @ 100	100	50	50	10	8 @ 100

SILICON TRANSISTORS

FEATURES

- Low I_{co}
- High Temperature Reliability
- Mechanical Ruggedness
- Broad Power Range



SMALL SIGNAL

For Complete Information, write for Bulletin TE-1353

Type	Minimum Common Emitter Current Gain, β	Maximum Collector Voltage V_{ce} Peak (Volts)	Typical Cut-Off Frequency (MC)	Maximum Collector Cut-Off Current @ 25°C. at V_c max (μa)	Package
FAST SWITCHING					
2N728 (ST6008)	20	30	150	5	R
2N729 (ST6010)	20	15	150	5	R
2N337	20	45	20	50	F
2N338	45	45	30	50	F
ST3030	12	15	50	1	F
ST3031	20	20	70	1	F
LOW LEVEL INPUT					
2N1247 (ST1026)	15 @ 5 μa (D.C.)	6	5	.005 (@ 3V)	F
LOW NOISE					
2N1248 (ST1050)	15	6	5	.01 @ 3V	F
GENERAL PURPOSE					
2N336	78	45	13	50	F
ST904	18	30	9	10	I
ST905	36	30	10	10	I
MILITARY					
USN 2N332	9	45	7	50	F
USN 2N333	18	45	9	50	F
USN 2N335	37	45	10	50	F
USN 2N117	9	30	8	10	H
JAN 2N118	18	30	10	10	H
USN 2N119	36	30	11	10	H
HIGH RELIABILITY*					
2N543A	80	45	15	0.5	F
2N480A	40	45	11	0.5	F
2N475A	20	45	10	0.5	F

*NOTE — These transistors are 100% reliability assurance processed.

MEDIUM POWER

For Complete Information, write for Bulletin TE-1355

Type	Maximum Power Dissipation at 100°C Case (Watts)	Maximum Collector Voltage V_c max (Volts)	Minimum D.C. Common Emitter Current Gain, β	Typical Collector Saturation Voltage (Volts)	Package
HIGH VOLTAGE					
2N547	5	60	20 @ 500ma	3V @ 500ma	F-1
2N549	5	60	20 @ 200ma	2.5V @ 200ma	F-1
2N551	5	60	20 @ 50ma	1V @ 50ma	F-1
2N498	2.5	100	12 @ 200ma	4V @ 200ma	F-1
2N657	2.5	100	30 @ 200ma	4V @ 200ma	F-1
2N1054	5	125	20 @ 200ma	2.5V @ 200ma	F-1
2N1055	5	125	20 @ 50ma	1V @ 50ma	F-1
FAST SWITCHING					
2N545	5	60	15 @ 500ma	3V @ 500ma	F-1
2N546	5	30	15 @ 500ma	2V @ 500ma	F-1
2N696	1	60	20 @ 150ma	1V @ 150ma	F
2N697	1	60	40 @ 150ma	1V @ 150ma	F
HIGH BETA					
2N1116	5	60	40 @ 500ma	3V @ 500ma	F-1
2N1117	5	60	40 @ 200ma	2.5V @ 200ma	F-1
1 WATT					
2N339A	1.2	60	20 @ 5ma**	1V @ 20ma	N
2N340A	1.2	85	20 @ 5ma**	1V @ 20ma	N
2N341A	1.2	125	20 @ 5ma**	1V @ 20ma	N
2N342	400mw*	60	9 @ 5ma**	2V @ 20ma	N
2N343	400mw*	60	28 @ 5ma**	2V @ 20ma	N

*Ambient temperature rating
**A.C. current gain

HIGH POWER

For Complete Information, write for Bulletin TE-1355

Type	Maximum Collector Voltage Vc (Volts)	Minimum D.C. Common Emitter Current Gain, β	Typical Collector Saturation Resistance (ohms)	Typical D.C. Input Voltage	Package
STUD MOUNTED					
2N1212	60	12 @ 1 amp	3 @ 1 amp	5 @ 1.5A	D
2N1208	60	15 @ 2 amps	1.5 @ 2 amps	2.5 @ 2A	D
2N1616	60	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	D
2N1617	80	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	D
2N1618	100	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	D
ST450	60	10 @ 1 amp	5 @ 1 amp	6 @ 1A	D
FLANGE MOUNTED					
2N1250	60	15 @ 2 amps	1.5 @ 2 amps	2.5 @ 2A	O
2N1210	60	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	O
2N1211	80	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	O
2N1620	100	15 @ 2 amps	.8 @ 2 amps	1.2 @ 2A	O
2N389	60	12 @ 1 amp	3 @ 1 amp	5 @ 1.5A	O
2N424	80	12 @ 1 amp	3.5 @ 1 amp	5 @ .75A	O
ST440	60	10 @ 1 amp	5 @ 1 amp	6 @ 1A	O

Transitron electronic corporation

SILICON DIODES

FEATURES

- Operation to 200°C
- High forward conductance
- High voltage ratings
- Fast switching time
- Low shunt capacitance
- Subminiature size

FAST SWITCHING

For Complete Information, write for Bulletin TE-1350

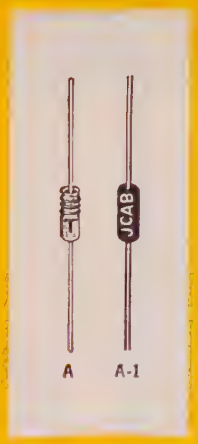
DIFFUSED					
Type	Maximum Inverse Operating Voltage (Volts)	Maximum Average Forward Current @ 25°C (ma)	Maximum Recovery Time (μsec)	Military Types	Package
1N643	180	40	0.3	USA	A-1
1N658	100	200	0.3	USA	A-1
1N659	50	100	0.3		A
1N660	100	100	0.3		A
1N661	200	100	0.3		A
1N662	90	40	0.5	USA	A-1
1N663	90	60	0.5	USA	A-1
1N808	100	100	0.3		A
1N809	200	100	0.3		A
1N691	70	200	0.8*		A
1N693	180	200	0.8*		A
*Switching from 500ma to 40V					
BONDED					
1N251	30	30	0.15	JAN	A-1
1N252	20	40	0.15		A
S266G	8	20	0.004		A
ALLOY					
1N806	100	60	0.3		A
1N807	180	60	0.3		A

HIGH CONDUCTANCE SILICON DIODES and SUBMINIATURE RECTIFIERS

For Complete Information, write for Bulletin TE-1350

HIGH CONDUCTANCE					
Type	Maximum Inverse Operating Voltage (Volts)	Maximum Average Forward Current at 150°C (ma)	Maximum Inverse Current at 150°C (μa @ V)	Military Types	Package
1N457	60	25	5 @ 60	JAN	A-1
1N458	125	25	5 @ 125	JAN	A-1
1N459	175	25	5 @ 175	JAN	A-1
SUBMINIATURE RECTIFIERS					
Type	Maximum Inverse Operating Voltage (Volts)	Maximum Average Forward Current at 150°C (ma)	Maximum Average Inverse Current at Rated Voltage (μa)	Military Types	Package
1N645	225	150	15 @ 100°C	USAF	A-1
1N646	300	150	15 @ 100°C	USAF	A-1
1N647	400	150	20 @ 100°C	USAF	A-1
1N648	500	150	20 @ 100°C	USAF	A-1
1N649	600	150	25 @ 100°C	USAF	A-1

GERMANIUM DIODES



For Complete Information, write for Bulletin TE-1319.

FEATURES

- High forward conductance
- Fast switching time
- Low inverse currents
- Excellent stability
- Small size

Very fast switching types

	S570G	S555G	
Recovery time (10ma I_{fwd}, 6V Inverse to 3ma Inverse with 120 ohms resistive load	.002	.006	μsec max.
Forward Voltage drop @ 10ma	1.0	.5	volts max.
Inverse current @ −6 volts	30.0	10.0	μa max.
Maximum inverse voltage rating	8.0	15.0	volts
Maximum temperature	75.0	75.0	°C
Components S570G and S555G refer to package A			

Specifications and ratings at 25°C

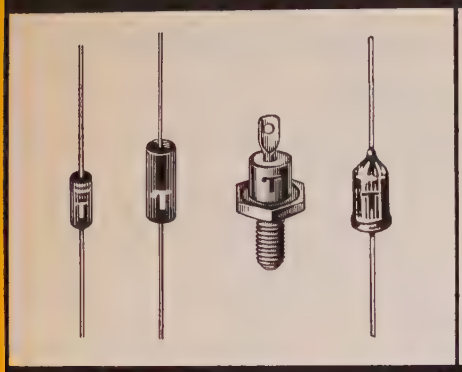
Type	Minimum Forward Current at +1V (ma)	Maximum Inverse Current at Specified Voltage (μa @ V)	Maximum Operating Voltage (volts)	Description
1N270	200	100 @ −50	80	JAN TYPES (Package A-1)
1N277	100	250 @ −50 @ 75°C 75 @ −10 @ 75°C	100	
1N276	40	100 @ −50	50	
1N281	100	500 @ −50 30 @ −10	60	
1N283	200	20 @ −10	20	COMPUTER TYPES (Package A)
1N695	100	2 @ −10 20 @ −10 @ 70°C	20	
T16G	40	100 @ −50 20 @ −10	60	
1N278	20	125 @ −50 @ 75°C	50	HIGH TEMPERATURE TYPES (Package A)
T20G	20	500 @ −50 @ 75°C 30 @ −10 @ 75°C	50	
T22G	40	20 @ −10 @ 75°C	15	
T9G	100	20 @ −50 2 @ −10	60	HIGH RESISTANCE TYPES (Package A)
T13G	40	2 @ −10	20	

"Leadership in semiconductors"

SPECIAL PRODUCTS

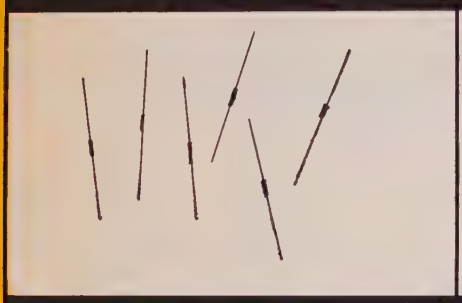
In addition to the wide range of components, Transitron offers Special Products and Devices to meet your requirements. We welcome inquiries and offer engineering advice on your particular needs.

SILICON REGULATORS AND REFERENCES



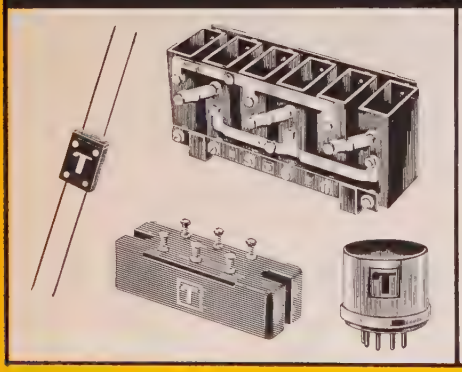
Transitron's advanced line of silicon regulators and references features the industry's most stable series of precision voltage reference units. Product line spans range from 100 MW microregulators to 10 watt power types. For complete information, write for Bulletin TE-1352.

DIFFUSED SILICON MICRODIODES



The industry's widest line of reliable silicon microdiodes offers high conductance types, fast and very fast switching microdiodes, microregulators and a microstabistor. For complete information, write for Bulletin TE-1358.

SEMICONDUCTOR ASSEMBLIES



Transitron operates a large modern facility devoted to the manufacture of rectifier stacks, diode quads, high voltage assemblies, and other special semiconductor assemblies. Send your detailed requirements to the Special Products department for prompt evaluation and quotation.

ALSO... *call on Transitron for:*

- HIGH EFFICIENCY SOLAR CELLS
- SILICON VARIABLE CAPACITORS
- THERMOELECTRIC MATERIALS & DEVICES

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ANTENNA TOWERS & STRUCTURES

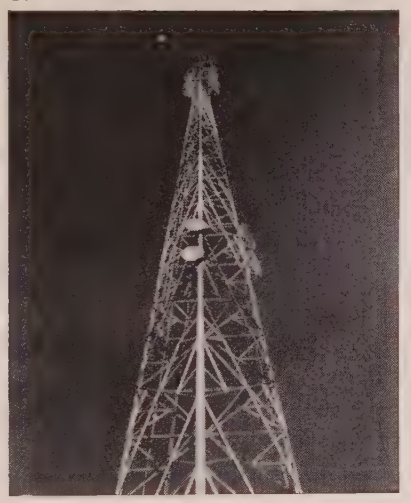
Dresser-Ideco Designs, Fabricates, Erects A Wide Variety of Large Land-Based Antenna Structures

Whatever the antenna tower or structural problem, Dresser-Ideco can handle the job. A large technical service staff, more than a quarter-million square feet of well-equipped production area, extensive research and development facilities, and many years experience designing and erecting steel and aluminum structures qualify Dresser-Ideco as a major contractor for any type of antenna tower . . . from 100 to 2000 feet. Below are some of the many types of Dresser-Ideco towers serving the nation's communications and military electronics facilities.

A.

B.

C.



A. Multiple antenna tower. This big 729′ tower in Baltimore supports three television antennas on a 105′ wide platform at the top.

B. Antenna test range tower for height finding radar.

C. Microwave antenna tower typical of those used in systems built for the Ohio Turnpike and the Illinois Toll Road.

D. Surveillance radar towers on the DEW line. Designed for hurricane force winds and heavy ice and snow loads. These are some of more than 1,000 radar towers built by Dresser-Ideco for the nation's early warning systems.

D.

Dresser-Ideco offers a complete tower and structural service—design, application, field installation. Call or write for consultation on your structural problems at no obligation. Send for booklet "Facilities For Defense Production". Dresser-Ideco Company, A Division of Dresser Industries, Inc., 875 Michigan Avenue, Columbus 15, Ohio.

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AIRPAX ELECTRONICS

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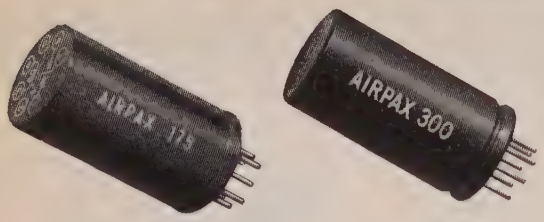
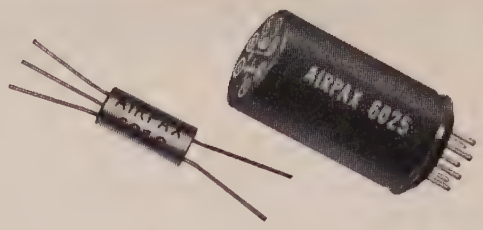


Types 175 and 300. The miniature choppers which set the standards for the chopper industry. Type 175 uses a 6.3 volt, 60 CPS drive; Type 300 requires a 6.3 volt, 400 CPS drive. Both are hermetically sealed, stable, long-life choppers.



Types 6010 and 6025. Transistor choppers. Type 6025 includes the drive transformer. It is encased in a miniature can with a 7 pin header. Drive for the 6010 may be as high as 100 KC; the type 6025 drive is 6.3 volts at 50 to 5000 CPS.

Airpax produces CHOPPERS for every purpose

Type 371. For reliability under extreme conditions of shock and vibration Airpax provides a center pivoted type which functions during vibrations of 15 G amplitude, over a frequency range of 10 to 2500 CPS.

Type 5600. Designed for transistor drive. Drive coil is tapped at its electrical center and requires only 8.5 milliamperes of drive current from a 9 volt, 400 CPS source. Eliminates drive transformer.

Type 2300. This low noise chopper is ideal for use in null seeking servo systems, instrument amplifiers and applications where noise must be less than four microvolts, average. Drive is 6.3 volts, RMS at 400 CPS.

CUSTOM TRANSFORMERS. Airpax designs and manufactures custom transformers. The Fosterite facility at Cambridge is the largest in the country. Small size or large, bring your transformer requirements to Airpax.

Magnetic inverse time delay CIRCUIT BREAKER. Only slightly larger than an "ON-OFF" switch, this circuit breaker provides power control and positive circuit protection. Available in ratings from 50 ma. to 10 amps.

AIRPAX ELECTRONICS INCORPORATED

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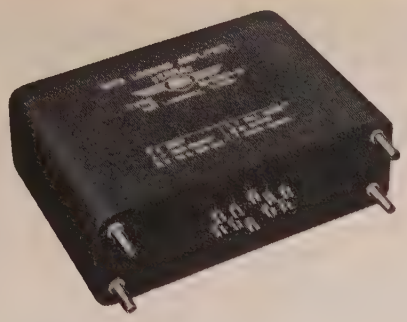
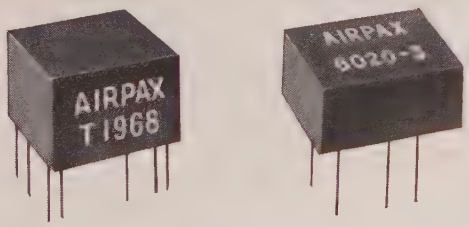


DATA LOGGING AMPLIFIER. A three-stage high accuracy, molded magnetic amplifier designed to deliver ± 5 volts at a linearity better than 0.1%. Voltage gains from 100 to 10,000 are obtainable in this differential type magnetic amplifier.

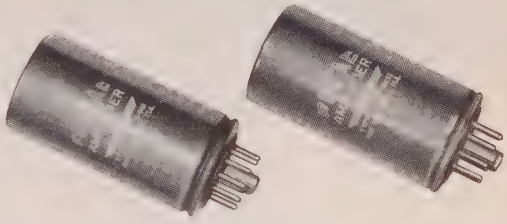
TACH-PAK. The Airpax TACH-PAK is a completely self-contained, highly sensitive unit which makes possible the accurate measurement (0.25%) of the speed of any rotating, reciprocating or oscillating shaft. Also available with AN plug type connector.

MAGMETER. Frequency to voltage converter. Output current is linear with input frequency. Operates servo and similar type recorders.

FREQUENCY MONITOR. For the precise measurement of 400 CPS power frequencies. Uses the frequency detecting characteristics of the Airpax MAGMETER.



PRINTED CIRCUIT COMPONENTS. Airpax meets the latest developments in advanced circuitry with miniature units. T–1968 is a miniature drive transformer for use with transistor choppers. Type 6020-3 is a transistor chopper.



FERRAC Magnetic Amplifiers. Available in plug-in or molded types. Faster response—wider dynamic range—higher gains.

PREAC. Airpax PREAC amplifiers, for 60 or 400 CPS operation, have power gains of over 50 db. Unit is hermetically sealed.

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AB21

SPECIAL INSTRUMENTS

Made to your Specifications

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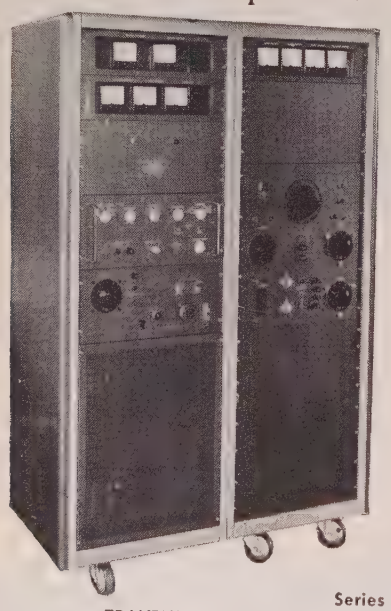

Series 23P
TRAVELING WAVE TUBE TEST SETS
15KV-Beam Voltage
Coded Pulse Generator - 600 Volt Pulse Modulator
2KW-Solenoid Supply

Model 209 CRYSTIPLEXER
Digital readout VHF frequency synthesizer

MICROWAVE INSTRUMENTS

• TWT & BWO tubes packaged to your specifications • BWO Sweep Generators, electronically tuned receivers • Electronic Power Regulators and "flatteners" for TWT & BWO systems

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Traveling Wave Tube Test and operational units • Klystron supplies • Photomultiplier supplies • Special bench supplies up to 50 KV, featuring designs engineered to your applications. Our experience in building special custom units enables us to meet your special applications or performance requirements at little or no difference in cost to you, compared with inadequate or compromise stock designs.

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• Pulse Generators • Distributed amplifiers • High duty cycle Pulse Burst Generators • Pulse Modulators • Pulse Impedance Bridges

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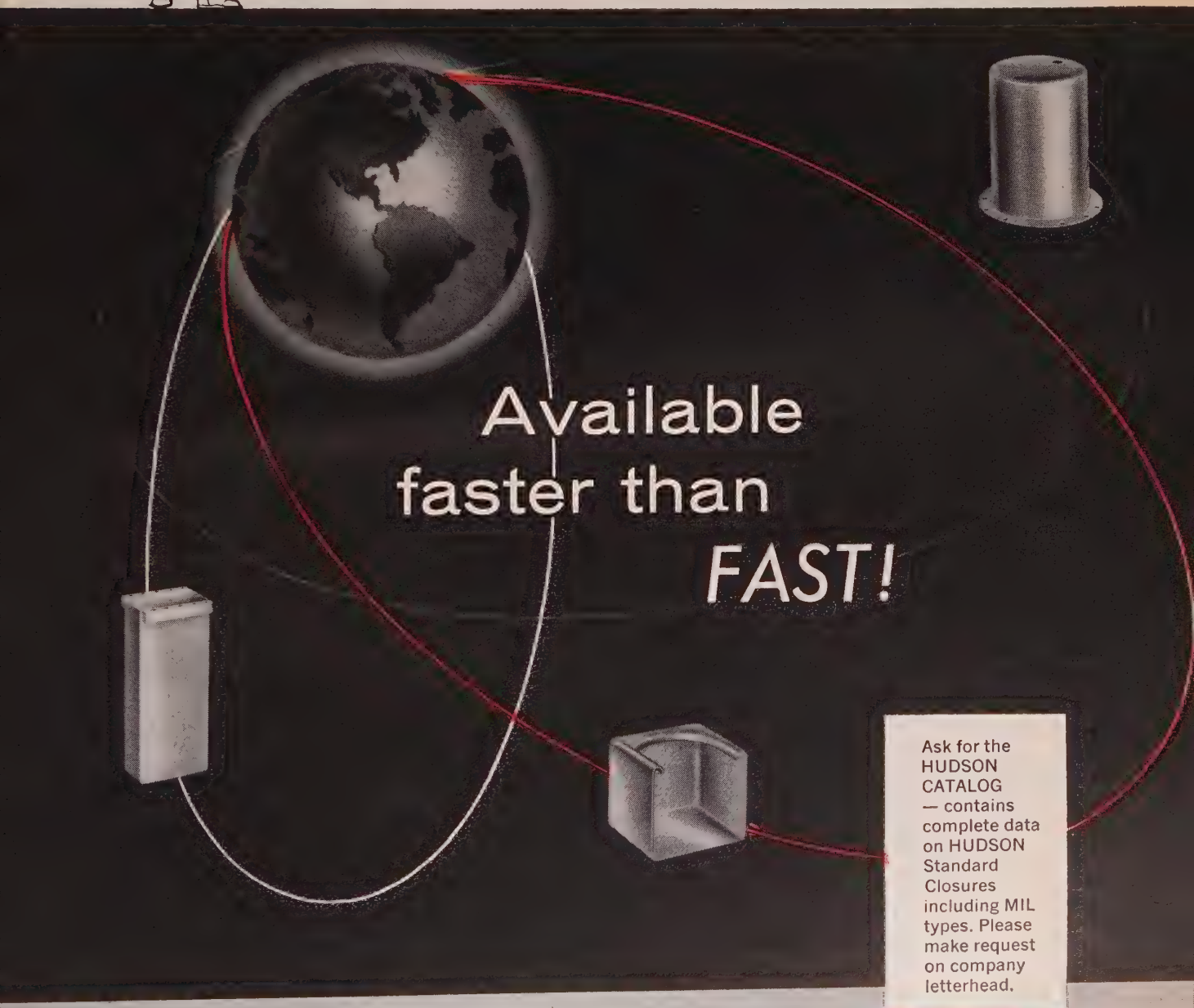


Ask for the HUDSON CATALOG — contains complete data on HUDSON Standard Closures including MIL types. Please make request on company letterhead.

Hudson Tool & Die Company · Inc
18-38 Malvern Street, Newark 5, New Jersey

Precision Metal Components for Electronics, Nucleonics, Avionics and Rocketry

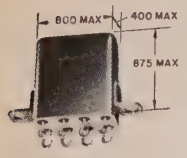
Telephone: MArket 4-1802
Teletype: NK 1066

ALLIED CONTROL RELAYS

MILITARY RELAYS

SUBMINIATURE

TYPE KHJ-6D
DPDT ● DC



OPERATING CONDITIONS for KHJ-6D

Contact Rating: Low level up to 2 amps. non-inductive at 29 volts d-c or 115 volts a-c. 3 amp. contacts available on request.

Ambient Temperature: —65°C to +125°C

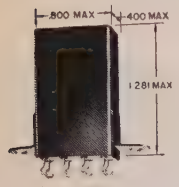
Vibration: 5-28 cps at 0.5 in. double amplitude. 28-2000 cps at 20g.

Shock: 50g operational.

Terminals: 0.2 in. grid spaced plug-in, printed circuit or hooked type solder terminals.

SENSITIVE

TYPE JSH-6D
DPDT ● DC



OPERATING CONDITIONS for JSH-6D

Average Pull-in Power at 25°C: SPDT-25 milliwatts; DPDT-40 milliwatts.

Contact Rating: 2 amps. non-inductive at 29 volts d-c or 1 amp. at 115 volts a-c. Low level contacts are available on request.

Ambient Temperature: —65°C to +125°C

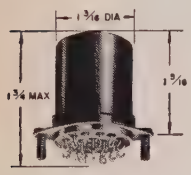
Vibration: 5-55 cps at 0.12 in. double amplitude; 55-2000 cps at 20g.

Shock: 50g operational.

Weight: 1.1 ounce maximum.

MINIATURE

TYPE MHJ-18
6PDT ● AC or DC



OPERATING CONDITIONS for MHJ-18

Contact Rating: Low level up to 5 amps. non-inductive at 29 volts d-c or 2 amps. at 115 volts a-c.

Ambient Temperature: —65°C to +125°C

Vibration: 5-28 cps at 0.5 in. double amplitude; 28-2000 cps at 20g.

Shock: 50g standard.

Weight: 4.2 ounces maximum.

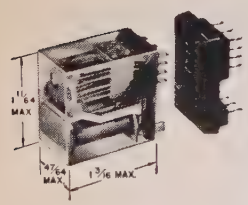
AC: This relay is supplied with self contained diodes for 60 to 400 cps operation.

OTHER RELAY TYPES	Electrical Characteristics: Maximum Contact Pile-Up	Contact Rating Amps.	Coil Operation	Max. Basic Dimensions: Width	Length	Seated Height
JH-6D	DPDT	5	DC	.400	.800	.906
JH-18D	6PDT	2	DC	.800	1.200	.781
KH-6D	DPDT	.5	DC	.396	.800	.843
KHY-6D	DPDT	2	DC	.359	.797	.759
RSH	DPDT	2	DC	.765 dia.		1.609
SW	DPDT	5	DC	.906	1.406	1.625
CH-12	4PDT	10	AC or DC	1.203	1.203	1.718
MH-6D	DPDT	5	DC	.645 dia.		1.328
MH-12D	4PDT	5	DC	1.056 dia.		1.328
MH-18D	6PDT	5	DC	1.197 dia.		1.328
MHJ-12	4PDT	5	AC or DC	1.056 dia.		1.328
MHY-12	4PDT	10	AC or DC	1.197 dia.		1.328

COMMERCIAL RELAYS

TELEPHONE

TYPE T-154
4PDT ● DC



OPERATING CONDITIONS for T-154

Contact Rating: 2 amps. resistive or 1 amp. inductive at 29 volts d-c or 115 volts a-c. Low level or 5 amp. contacts available.

Nominal Coil Power: 700 milliwatts.

Minimum Coil Power: DPDT-125 milliwatts; 4PDT-300 milliwatts.

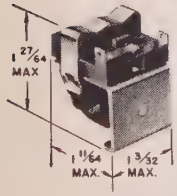
Dielectric: 1000 volts rms at sea level.

Terminals: Open relay—plug-in solder lugs or octal plug. Sealed relay—hooked type solder terminals, 14-pin miniature plug or octal plug.

Enclosure: Open, dust cover or hermetically sealed.

GENERAL PURPOSE

TYPE FC-3D
SPDT ● DC



OPERATING CONDITIONS for FC-3D

Contact Rating: 2 amps. resistive or 1 amp. inductive at 29 volts d-c or 115 volts a-c.

Nominal Coil Power: 2.0 watts.

Minimum Coil Power: 300 milliwatts.

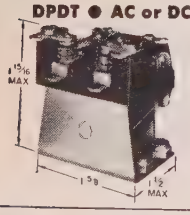
Capacity: Closed contacts to frame or between open contacts 3.0 mmf; open contacts to frame 1.5 mmf.

Dielectric Strength: 1000 volts rms at sea level.

Terminals: Solder lugs or "Miniature Faston" solderless tabs.

POWER

TYPE BO
DPDT ● AC or DC



OPERATING CONDITIONS for BO

Contact Rating: 15 amps. non-inductive; 10 amps. inductive or 8 amps. motor load at 29 volts d-c or 115 volts a-c.

Dielectric Strength: 1500 volts rms at sea level.

Nominal Coil Power: 2.5 watts d-c or 5.0 volt amps. a-c.

Enclosure: Dust cover or hermetically sealed with hooked type solder terminals or octal plug.

OTHER RELAY TYPES	Electrical Characteristics: Maximum Contact Pile-Up	Contact Rating Amps.	Coil Operation	Max. Basic Dimensions: Width	Length	Seated Height
GK	6PDT	2	DC	1.140	1.687	1.828
LK	6PDT	2	DC	1.078	1.718	1.890
LKH	4PDT	2	DC	1.437	1.625	2.656
SK	6PDT	2	DC	.968	1.687	1.468
SKH	4PDT	2	DC	1.437	1.625	2.062
TAH	4PDT	2	DC	.953	1.343	1.593
AS-3	SPDT	5	AC or DC	1.000	1.687	1.296
BJ-6	DPDT	5	AC or DC	.875	1.703	1.968
F	DPST	2	DC	1.375	1.656	1.203
ME-6	DPDT	5	AC or DC	.828	1.406	1.203
BNA-18D	6PDT	10	DC	1.750	3.016	2.578
BOHR-6	DPDT	10	AC or DC	1.671	1.796	2.687
BOY-6D	DPDT	10	DC	1.843	1.500	1.937
CNA-13	SPST	50	AC or DC	2.093	2.281	2.406
PB	4PDT	10	AC or DC	1.218	1.437	1.859
PK	4PDT	10	AC or DC	1.156	2.078	2.109
PO	4PDT	15	AC or DC	1.906	2.281	2.250

ALLIED CONTROL RELAYS • SOLENOID VALVES • SWITCHES
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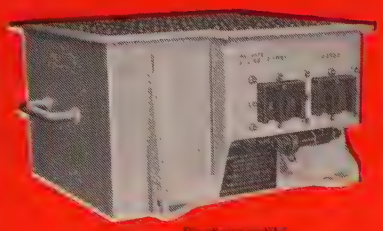
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

*From Milliwatts to Megawatts**

Compact

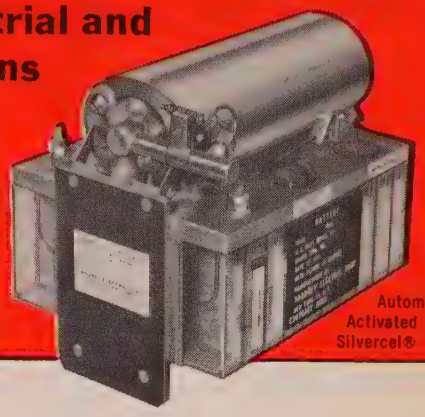
YARDNEY BATTERIES

for all Consumer, Industrial and Military Applications



Rechargeable Silvercel® Battery

- ***Highest Energy Output per unit size and weight***
- ***Flat Voltage throughout discharge***
- ***Low Weight***
- ***Small Size***



Automatically Activated Primary Silvercel® Battery

THE YARDNEY SILVERCEL® SYSTEM

- **Extremely High Rate Discharges**—up to 30 times the rated ampere-hour capacity.
- **Flexibility in Voltage and Capacity**—multiples of 1.5 volts. From 1/10 ampere-hour to 300 ampere-hour capacity in production. Larger sizes are readily made.
- **Excellent Mechanical Strength**—withstands severe shock, vibration and acceleration. Meets stringent requirements of Spec MIL-E-5272A.
- **Wide Temperature Operation**—efficient over wide range from +165°F down to −20°F, to below −65°F with heaters.

Rechargeable SILVERCEL® Batteries

High Energy Output—up to 50 watt-hours per pound; 3.2 watt-hours per cubic inch.

Rechargeability—up to 100 discharge-recharge cycles depending on usage.

Reusable "Primary" PM SILVERCEL® Batteries

Ultra High Energy Output—up to 80 watt-hours per pound.

Recyclability—more than 5 discharges and recharges.

Long Activated Stand—more than two months without capacity loss.

Fast Activation—upon manual filling is ready for use in minutes.

Primary SILVERCEL® Batteries

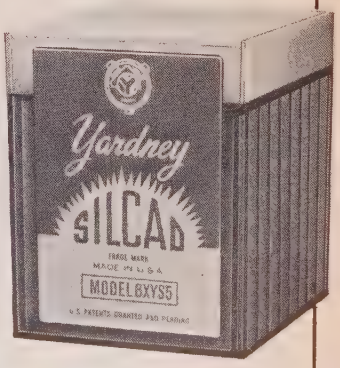
High Energy Output—up to 35 watt-hours per pound; 2 watt-hours per cubic inch (including activating mechanism).

Rapid Activation—less than a second for automatically activated primaries.

THE YARDNEY SILCAD® SYSTEM

Rugged, Long-Life, Rechargeable Batteries

- **Rechargeability**—capable of 500 complete discharges and recharges or 3,000 partial discharges.
- **Maintenance-Free Operation.**
- **Unsurpassed Economy**—over a long service life.
- **High Energy Output**—up to 34 watt-hours per pound; 2.7 watt-hours per cubic inch.
- **Flexibility in Voltage and Capacity**—multiples 1.1 volts. From 1/10 ampere-hour to 300 ampere-hour capacity in production. Larger sizes are readily made.
- **Rugged**—withstands severe shock, vibration, acceleration.
- **Wide Temperature Operation**—efficient operation over wide range from +165°F down to −20°F, to below −65°F with heaters.



Portable TV Silcad® Battery

YARDNEY ELECTRIC CORP.

"Pioneers in Compact Power"®

Yardney Building

40-50 LEONARD STREET, NEW YORK 13, NEW YORK

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HARSHAW MANUFACTURES A COMPLETE LINE OF SCINTILLATION AND OPTICAL CRYSTALS

SCINTILLATION *Mounted* NaI(T1) *Crystals*

Crystal detectors designed for the most sophisticated counting problems. Our physics and engineering group are available to assist you in your special detector problems.

More detailed information is contained in our 32-page book, "Harshaw Scintillation Phosphors". We invite you to write for your free copy!

STANDARD LINE

(Hermetically Sealed Crystal Assemblies)

- The accepted standard of the industry
- Proven through years of service in research, medical and industrial applications
- unparalleled performance
- dependability
- consistent good quality

INTEGRAL LINE

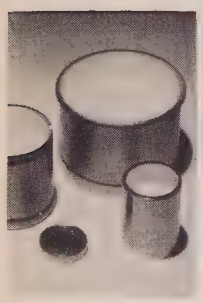
(Crystal photo multiplier tube combination assembly)

- Improved resolution
- Ready to use plug-in unit
- Permanently light sealed
- Capsule design facilitates decontamination
- Close dimensional tolerances
- Harshaw guaranteed

Large Crystal MATCHED WINDOW LINE

(Designed primarily for crystals 4" dia. and larger)

- "Small crystal" performance achieved through improved optical design
- Low mass containers
- Available in standard aluminum or complete low background assemblies
- Convenient mounting flange
- Ready to use



Every Harshaw crystal is a product of our experience in crystal growing technology since 1936

Other Phosphors Available from The Harshaw Chemical Company

ROUGH CUT THALLIUM ACTIVATED SODIUM IODIDE CRYSTAL BLANKS • EUROPIUM ACTIVATED-LITHIUM IODIDE (NORMAL) • EUROPIUM ACTIVATED LITHIUM IODIDE (96% Li^6 ENRICHED) • THALLIUM ACTIVATED CESIUM IODIDE • THALLIUM ACTIVATED POTASSIUM IODIDE • ANTHRACENE • PLASTIC PHOSPHORS

OPTICAL *Crystals*

For Infrared and Ultra Violet Transmitting Optics

"HARSHAW QUALITY" INHERENT IN EACH HARSHAW-GROWN CRYSTAL GUARANTEES THE MOST EFFICIENT OPTICAL TRANSMISSION POSSIBLE THROUGH:

1) Negligible light scattering in crystals, permitting higher sensitivity and improved resolution
2) Freedom from absorptions caused by trace impurities in crystal optics
3) Minimum strain

"HARSHAW QUALITY" meets the demand for uniformity of optical properties such as dispersion and refractive index.

Prices, specifications, or other information will be sent in answer to your inquiry.

The following infrared and ultra violet transmitting crystals are available; others are in the process of development:

SODIUM CHLORIDE • SODIUM CHLORIDE MONOCHROMATOR PLATES • POTASSIUM BROMIDE • POTASSIUM BROMIDE PELLET POWDER (through 200 on 325 mesh) • POTASSIUM CHLORIDE • OPTICAL SILVER CHLORIDE • THALLIUM BROMIDE IODIDE • LITHIUM FLUORIDE • LITHIUM FLUORIDE MONOCHROMATOR PLATES • CALCIUM FLUORIDE • BARIUM FLUORIDE • CESIUM BROMIDE • CESIUM IODIDE

Additional information on the physical and optical properties of the above crystals is available in our 36-page booklet "Synthetic Optical Crystals". Send for your free copy.

HARSHAW

THE HARSHAW CHEMICAL CO.
Crystal Division • Cleveland 6, Ohio

SHORT FORM CATALOG

Antenna Pattern Analyzer—Model BA-7

Maximum range of measurement in one step is 45 db (r.f.) using a maximum of 1 microwatt r.f. power.

The BA-7 is the heart of a video detector system designed primarily for r.f. crystals. For greater versatility, a d.c. biasing circuit is included to permit use of conventional barretters, requiring a d.c. bias between 0 and 10 ma. The unit can be used to measure very high power ratios such as occur in making antenna pattern measurements, to determine the rejection coefficients of r.f. filters, and to calibrate attenuators. It has a wide dynamic linear range, a low noise level and a wide r.f. frequency range where video crystal mounts are available.

For complete specifications, write for Bulletin No. 141.

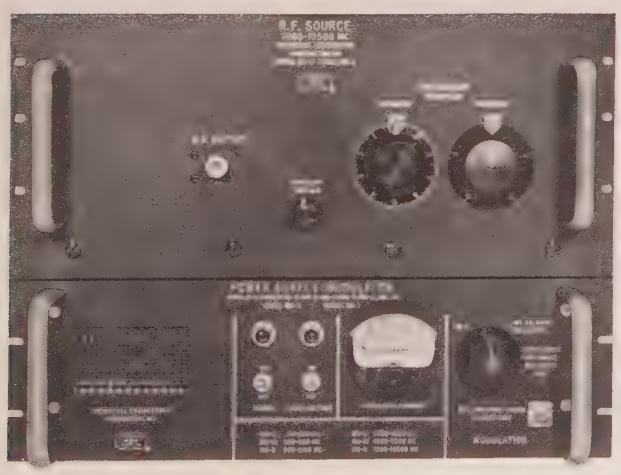
Square Wave Modulator—Model MO-1A

0.01% Frequency Stability (1000 CPS)

Used to 100% square wave modulate r.f. signal sources including klystrons. It is used where high stability is required for the audio frequency modulation of the r.f. signal.

This instrument features excellent amplitude and frequency stability, sine wave output, square wave output, external synchronization and adjustable internal oscillator.

For complete specifications, write for Bulletin No. 47.



Model MS-11 R. F. Source
With
Model MO-3 Power Supply

For Precision Microwave Measurements—Stable Sources of CW or 100% Square Wave Modulated R. F. Power

50 to 10,500 MC *Models MS-8 to MS-13*

All models plug into common power supply and modulator, Model MO-3 Amplitude stability for fixed load after 30 minutes warm-up: ±.02 db/minute; ±.1 db/hour. Stability of 1000 cps Modulator: .01% Frequency stability: MS-12 and MS-13: ±.1%; MS-8, MS-9, MS-10 and MS-11: 1 part in 10^4/ 8 hours, 1 part in 10^6 per 15 minutes.

Model Number	Frequency MCS	Minimum Power Output, CW	Minimum Peak Power Output (100% Square Wave Modulated)
MS-12	50-250	40 MW	40 MW
MS-13	250-920	100 MW	100 MW
MS-8	900-2200	20 MW	20 MW
MS-9	2100-4200	2100-2600 MC: 30 MW 2600-4200 MC: 50 MW	2100-2600 MC: 30 MW 2600-4200 MC: 50 MW
MS-10	4000-7300	50 MW	50 MW
MS-11	7200-10,500	7200-7400 MC: 20 MW 7400-9700 MC: 50 MW 9700-10,500 MC: 20 MW	7200-7400 MC: 20 MW 7400-9700 MC: 50 MW 9700-10,500 MC: 20 MW

For complete specifications, write for Bulletin No. 169.

WE CO ®

Weinschel Engineering

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LOckwood 4-0121 TWX KENSINGTON, MARYLAND—446

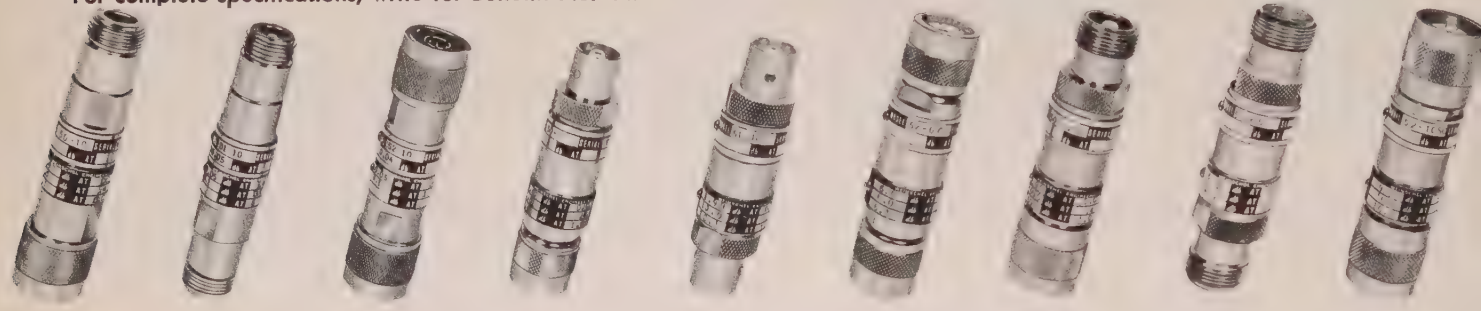
FIXED COAXIAL ATTENUATORS—D.C. TO 12.4 KMC

Our experience in making coaxial attenuators with our own stable film resistors since 1947 is your assurance of quality and long term repeatability.

Model 50 *D.C. to 1 KMC, Usable to 2 KMC*

50 Ohm • Attenuation: 1 to 50 db • Maximum Input VSWR: 1.15, Bilateral • Calibration and Test Data Supplied: Insertion loss at d.c., 400 and 1000 mc in 50 ohm system. VSWR for both connectors at 400 and 1000 mc when terminated in 50 ohms • Stability: Excellent shock and vibration resistance. Negligible change of attenuation under humidity and temperature cycling. Stable under pulse power. • Connectors: Type N, C or SC. Each type is available with male/female, double male or double female connectors. • Finish: Models 50, 51, 52 (Type N connectors), stainless steel; Models 50C, 51C, 52C (Type C connectors) and 50SC, 51SC, 52SC (Type SC connectors), nickel plated.

For complete specifications, write for Bulletin No. 44.



N Connectors 1 Male, 1 Female | N Connectors 2 Female | N Connectors 2 Male | C Connectors 1 Male, 1 Female | C Connectors 2 Female | C Connectors 2 Male | SC Connectors 1 Male, 1 Female | SC Connectors 2 Female | SC Connectors 2 Male

Model 10

10 Watt Power Pads

Frequency Range: D.C. to 1 KMC

50 Ohm

Attenuation 1 to 20 db

Connectors:

Type N, 1 male, 1 female

Bilateral

Maximum Input VSWR: 1.15

Power Sensitivity: Less than .1 db/10 watts

Calibration Frequencies: D.C., 400 mc, 750 mc, 1000 mc

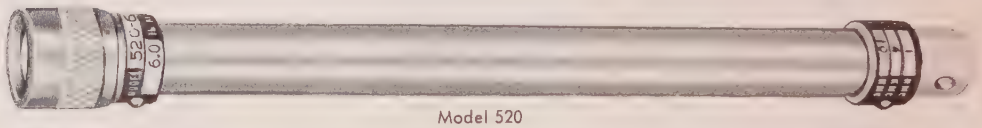
Finish: Stainless steel connectors; black anodized aluminum body

For complete specifications, [illegible] 27

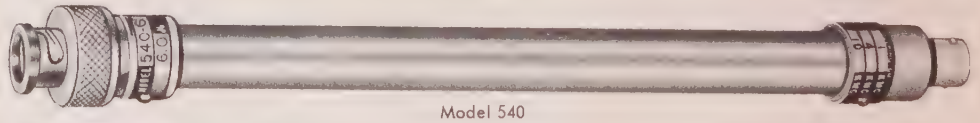
Models 210, 520, 540, 633 and 663 *1 to 12.4 KMC*

50 Ohm • Attenuation: 1 to 20 db • Connectors: Type N, C, BNC, TNC or SC. Each is available with male/female, double male or double female connectors. • Calibration Data Supplied: Insertion loss in 50 ohm system at 1, 4 and 10 KMC to nearest 0.1 db (2 KMC instead of 1 KMC for 20 db attenuator) • Stability: Excellent shock and vibration resistance. • Negligible change of attenuation under humidity and temperature cycling or pulse power. • Finish: Models 210, 211, 212 (Type N connectors), stainless steel; other models (Type C, BNC, TNC and SC connectors), nickel plated.

Model 210

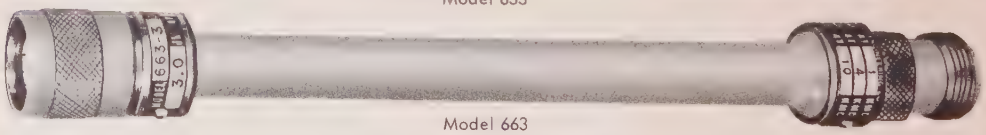


Model 520



Model 540

Model 633



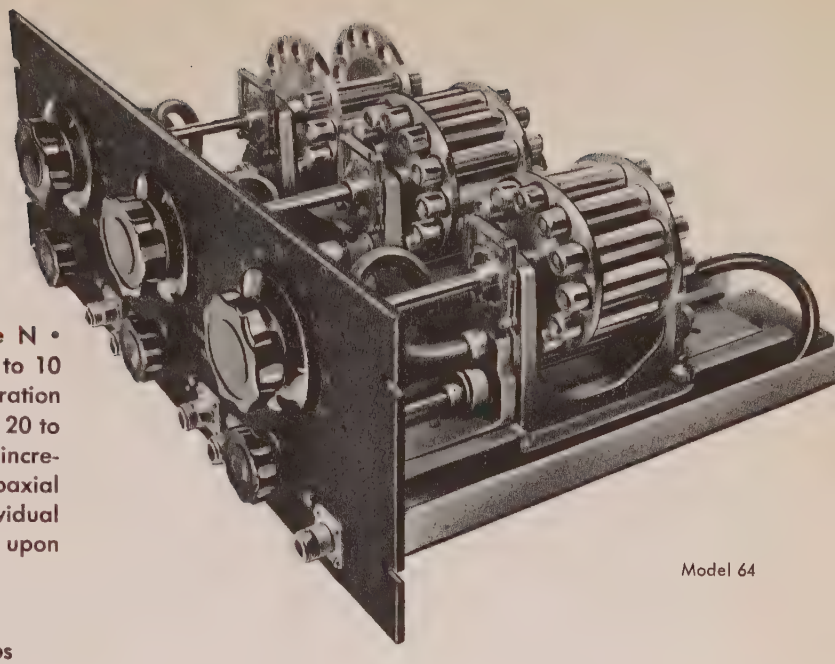
Model 663

ORDER BY MODEL NUMBER

Connectors	Type N	Type C	Type BNC	Type TNC	Type SC
1 Male 1 Female	210	520	540	633	663
2 Female	211	521	541	634	664
2 Male	212	522	542	635	665

For complete specifications, write for Bulletin No. 17.

Step Attenuators—
Models 60, 64, 640—
For Use in Standards Labs



Model 64

D.C. to 1 KMC

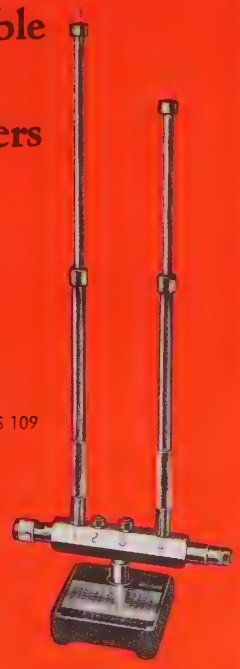
Impedance: 50 Ohm • Connectors: Type N • Accuracy (at D.C.): 1 to 5 db: .02 db; 6 to 10 db: .05 db; 20 to 50 db: .10 db • RF Calibration Accuracy (since 1960): 1 to 10 db: .02 db; 20 to 50 db: .02 db/10 db. • Repeatability of incremental insertion loss due to stability of coaxial switches within .01 db. • We supply individual calibration at D.C., 400 and 1000 mc and upon request at other frequencies.

Attenuation Range:

Model 60: 2 drums, 0-60 db in 1 db steps
Model 64: 3 drums, 0-64 db in .1 db steps
Model 640: 3 drums, 0-110 db in 1 db steps

For complete specifications, write for Bulletin No. 37.

Double Stub Tuners



Model DS 109

Chart on base for easy matching
Collet-type locks prevent accidental movement of stubs
Adjustable spacing between stubs
Adjustable height of connectors

Frequency Ranges

DS 109	.75 to 10 KMC
DS 109L	.4 to 4 KMC
DS 109LL	.2 to 2 KMC

For complete specifications, write for Bulletin No. 19.

535-MN 535-MC 535-MSC 535-MB 535-MT

535-FN 535-FC 535-FSC 535-FB 535-FT

Coaxial Terminations—Model 535

D.C. to 10 KMC; 50 Ohm

Connectors: N, C, SC, BNC, TNC

Individual VSWR Calibrations Supplied at Seven Frequencies: d.c., .4, 1, 2, 4, 7.5 and 10 KMC. Other frequencies upon request.

Made with Weinschel film resistors for maximum stability; rated 1watt average, 1 KW peak power.

Maximum VSWR of Model 535 with Male or Female Type N Connector:

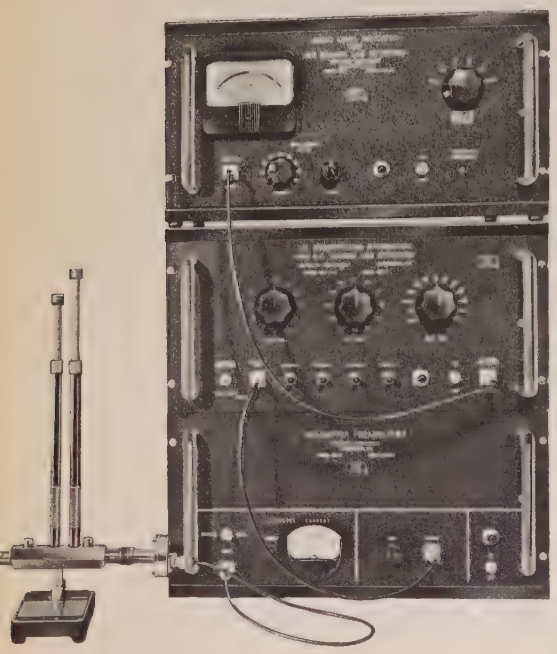
D.C. to 1 KMC:	1.03
1 to 4 KMC:	1.05
4 to 10 KMC:	1.15

For complete specifications, write for Bulletin No. 46.

WE CO

Weinschel Engineering ®

INSERTION LOSS MEASURING EQUIPMENT



Single Channel Insertion Loss Test Set

Measure attenuation directly up to 30 db
Typical systems error: .1 db
Resolution: about .02 db
Frequency Range: 20 mcs to 90,000 mcs

KEY INSTRUMENTS

Bolometer Preamplifier, Model BA-1C:
Features wide dynamic linear range, extremely low noise level, cannot burn out barretter; can also be used with crystal.*

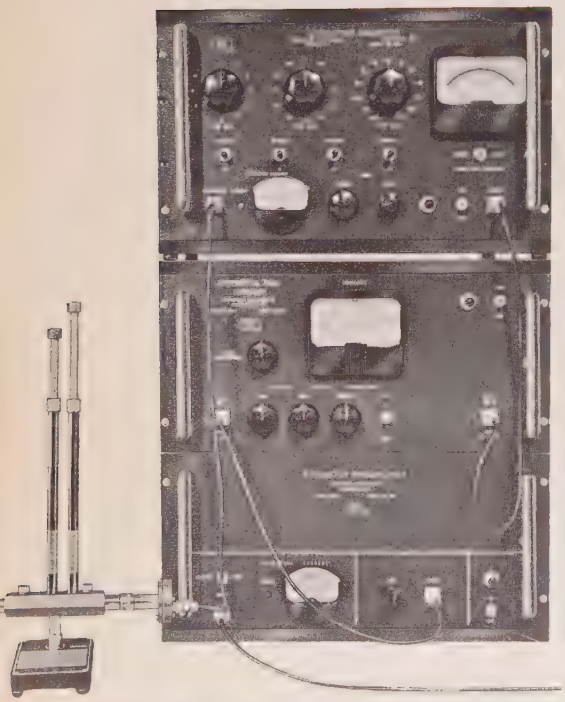
AF Substitution Attenuator for RF Square Law Detector, Model CF-1:
Calibrated directly in r.f. power ratios; has high input impedance, low output impedance.

Audio Level Indicator, Model IN-I:
Precharging circuit reduces required observation time. Has adjustable indicator time constant, low noise level.

For theory, method, required instruments and recommended accessories, write for Weinschel Engineering Application Note No. 1.

*Write for reprint of paper "Comparison of Deviations from Square Law for RF Crystal Diodes and Barretters."

Dual Channel Insertion Loss Test Set—For Standards Labs



.01 db precision for 20 db measurement
With changes of .1 db in level of r.f. source
Typical Systems Accuracy: .02 db/10 db
Attenuation Range: 20 db, direct; 40 db with partial r.f. substitution
Frequency Range: 20 mcs to 90,000 mcs

KEY INSTRUMENTS

Attenuation Calibrator, Model BA-5:
Combines precise Audio Substitution Attenuator, Bolometer Preamplifier and Level Indicator.

Differential Null Detector, Model ND-1:
Specifically designed for two channel loss measurements.

Bolometer Preamplifier, Model BA-1C:
Features wide, dynamic linear range, extremely low noise level, cannot burn out barretter.

For theory, method, required instruments and recommended accessories, write for Weinschel Engineering Application Note No. 4.

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Does your problem involve airborne or ground support equipment? In either, the wide combination of Albano bonded honeycomb structures makes it possible to meet the most acute environmental specifications . . . ***BONDED HONEYCOMB MEETS THE CRITICAL NEEDS OF MILITARY ELECTRONICS***

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HONEYCOMB DIVISION, 555 WEST 54 STREET, NEW YORK 19, NEW YORK

NORTH ATLANTIC *industries, inc.*

PHASE ANGLE AND RATIO INSTRUMENTS

PHASE ANGLE VOLTMETER
MODEL VM-202

FOR DIRECT READING OF...
- Phase angle
- In-phase voltage
- Quadrature voltage
- Fundamental voltage
- Total voltage
- Nulls

A unique, multi-functional instrument that combines in one compact package a phase-sensitive voltmeter, AC vacuum tube voltmeter, phase meter and phase-sensitive null detector. Permits simple laboratory or production line measurement of total, fundamental, in-phase and quadrature voltage components; phase-sensitive nulling of in-phase or quadrature components; direct dial reading of phase angle without ambiguity. Characteristics include high input impedance, high sensitivity and wide voltage range. Optional parallel rear connectors, built-in reference channel isolation, built-in signal isolation for balanced or single-ended inputs, panel finishes to user specifications. Plug-in modules for reference isolation, signal summing and signal bridging available as optional accessories.

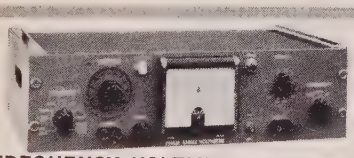
MODEL VM-233 PORTABLE TRANSISTORIZED VOLTMETER. All features of VM-202 in an all-transistor, ruggedized, low power unit for general field use and other applications where small size and light weight are essential.

SPECIFICATIONS

These specifications describe the Model VM-202 Phase Angle Voltmeter only. The wide range of available standard and custom models are shown on this page. Detailed specifications for other models will be supplied promptly on request.

NULLING SENSITIVITY	5 microvolts	VOLTAGE RANGE	1 mv. to 300V, in 12 ranges
HARMONIC REJECTION	55 db (with filters)	VOLTAGE ACCURACY	±2% of f.s.
SCALE	3-0-3, 10-0-10, linear	PHASE ACCURACY	dial: ±1° meter: ±3% of f.s. degrees
PHASE ANGLE DIAL	4 scales, 90° (elec.) apart	SIGNAL FREQUENCY	1 freq., 30 cps-10 kc.
POWER	60 watts, 115V, 60-400 cps.	INPUT IMPEDANCE	10 megohms
DIMENSION	5¼" h. x 19" w. x 7⅞" d.	REFERENCE INPUT	100,000 ohms, 0.25V min.
MOUNTING	bench or rack	OVERLOAD	5:1

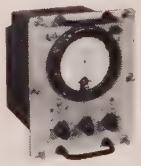
MODEL VM-204



THREE-FREQUENCY VOLTMETER. For use where signals of known frequencies are encountered repeatedly. Similar to VM-202, but accommodates any three pre-specified signal frequencies, typically 400, 800 and 1000 cps. Choice of frequencies from 60 to 4500 cps in standard models; to 10 kc on special order. Panel size and configuration as VM-202, but 2" deeper case.

BROADBAND VOLTMETER, MODEL VM-301. For laboratory and other applications where a wide range of signal frequencies must be instrumented with highest accuracy. Accommodates signals from 10 cps to 100 kc. Phase shift accuracy 0.2° absolute, 0.01° with special techniques, uniform over full 360°. Phase shift can be read while sweeping frequency in full decade steps. Plug-in rejection filters eliminate harmonic effects. Null indications are insensitive to changes in signal level. Rack or bench mount.

MODEL VM-230B



TRANSISTORIZED VOLTMETER. Miniature, ruggedized version of VM-202 for modular inclusion in ground support and similar systems requiring small size and dependable performance in severe environments. Range down to 300 microvolts on special order. Input impedance 1 megohm direct; 120h, 0.5 meg. at 400 cps with isolation transformer. Frequency response 20 cps to 20 kc as VTVM.

AC-to-DC CONVERTER
MODEL PSC-410

Transistorized, phase sensitive AC-to-DC converter features high linearity and sensitivity, flat frequency response, high output. Single- or double-ended output proportional to total, fundamental, in-phase or quadrature components. Compact modular, plug-in configuration readily integrates with ground or airborne instrument systems.

RATIO BOXES

RATIO BOX		SPECIFICATIONS	
Ratio Range	—0.111111 to +1.111111	Input Volts	0.35f to 1.0f (350V max.)
Frequency Range	25 cps to 10 kc	Series Z	3.5 to 7.5 ohms
Accuracy	from 10 ppm to 1 ppm	Resonant Frequency	400 cps to 10 kc.
Input Z	300 k to 1.0 meg.	Size (typical)	3¼" h. x 19" w. x 8½" d.

Table shows range of available characteristics. Specific combinations of characteristics differ with particular models and will be quoted on request.

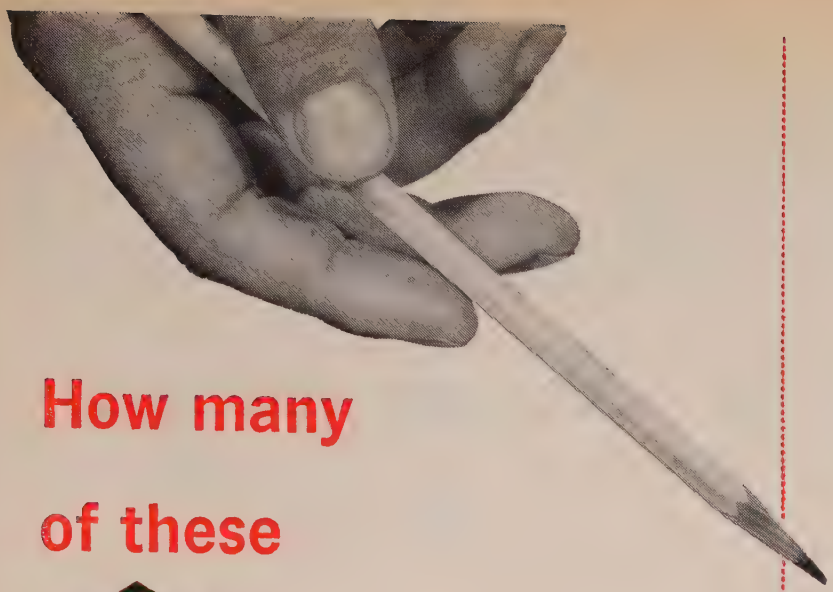
Precision inductive AC voltage dividers to meet all range, accuracy and cost requirements. Rack and portable bench models, deviation, binary, automatic stepping types and ratio standards. Maintain rated accuracy over specified frequency range; feature in-line readout, high input and low series impedance.

CVR 550 COMPLEX VOLTAGE RATIOMETER Provides direct reading of in-phase transformation ratio to 0.0001% with phase angles to 0.2 radians, unaffected by quadrature. Combines ratio box and phase angle voltmeter in a single efficient unit. For signals at any three frequencies from 400 to 2000 cps.

Write or call for literature or quotations on your requirements

NORTH ATLANTIC INDUSTRIES, INC.
TERMINAL DRIVE, PLAINVIEW, L. I., N. Y. • OVerbrook 1-8600

INSTRUMENTATION AND CONTROL SYSTEMS



How many of these B&A Electronic Chemicals do you need?

Check your requirements against General Chemical's extensive line of B&A® "Electronic Grade" chemicals. Principal products are listed here—and there are many others too! You'll find that "B&A"—America's leading line of "Electronic Grade" chemicals—is your best single source for *all* your high purity chemical needs!

As America's foremost producer of laboratory and custom chemicals, General Chemical has the wide range of products, the versatile production facilities, and the specialized experience to meet virtually every electronic chemical need! Write today for our free information folder, "B&A Electronic Chemicals." Gives specifications plus other valuable information.

Allied Chemical

GENERAL CHEMICAL DIVISION

40 Rector Street, New York 6, N.Y.

Baker & Adamson® "Electronic Grade" Chemicals

For Etching

- ☐ Acetic Acid—Reagent, A.C.S.
- ☐ Ammonium Bifluoride—Technical
- ☐ Ammonium Fluoride—Reagent
- ☐ Bromine—Reagent, A.C.S.
- ☐ Glycerin—Reagent, A.C.S.
- ☐ Hydrochloric Acid—Reagent, A.C.S.
- ☐ Hydrofluoric Acid—Electronic Grade
- ☐ Hydrogen Peroxide (Stab.)—Electronic Grade
- ☐ Nitric Acid—Reagent, A.C.S.
- ☐ Potassium Hydroxide Pellets and Solution—Electronic Grade
- ☐ Sodium Carbonate—Electronic Grade
- ☐ Sodium Hydroxide Pellets and Solution—Electronic Grade
- ☐ Sulfuric Acid—Reagent, A.C.S.

As Solvents:

- ☐ Acetone—Electronic Grade
- ☐ Alcohol, Ethyl—Reagent
- ☐ Carbon Tetrachloride—Electronic Grade
- ☐ Ether—Electronic Grade
- ☐ Methyl Alcohol—Electronic Grade
- ☐ Propyl Alcohol Iso—Electronic Grade
- ☐ Trichloroethylene—Electronic Grade
- ☐ Xylene—Reagent, A.C.S.

In the Production of TV Tubes:

- ☐ Barium Acetate—Electronic Grade
- ☐ Barium Nitrate—Electronic Grade
- ☐ Calcium Nitrate—Electronic Grade
- ☐ Strontium Nitrate—Reagent, A.C.S.
- ☐ Aluminum Nitrate—Electronic Grade

For Semiconductor Production:

- ☐ Germanium Dioxide—Electronic Grade
- ☐ Germanium Metal—Electronic Grade
- ☐ Nickel Chloride—Reagent, A.C.S.
- ☐ Nickel Sulfate—Reagent, A.C.S.
- ☐ Sodium Hypophosphite—N.F.

For Post Treatment of Semiconductors:

- ☐ Hydrogen Peroxide—Electronic Grade

For Capacitors:

- ☐ Ammonium Hydroxide—Reagent, A.C.S.
- ☐ Boric Acid—Reagent, A.C.S.
- ☐ Manganous Nitrate—Reagent, A.C.S., Electronic Grade
- ☐ Oxalic Acid—Reagent, A.C.S.

For Phosphor Production:

- ☐ Zinc Sulfide

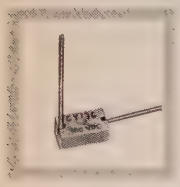
For Gaseous Insulation:

- ☐ Sulfur Hexafluoride

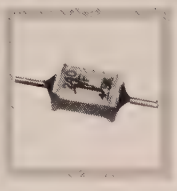
Vitramon® CAPACITORS

stable • rugged • low loss • miniature
low noise • humidity immunity
wide temperature range

Vitramon® solid state PORCELAIN CAPACITORS



AXIAL-RADIAL



AXIAL

RADIAL

The superior electrical and mechanical characteristics exhibited by Vitramon® capacitors are attributes of their solid state composition — fine silver electrodes molecularly fused within a solid block of high grade porcelain, forming a monolithic unit that requires no case or hermetic seal.

"Layering" of electrodes makes possible a much greater active dielectric area within the same cubic content. Perfect bonding of materials minimizes loss and noise and results in greater stability over a temperature range of —55°C to 200°C.

Vitramon® capacitors are used extensively in guided missiles, jet ignition, proximity fuses, and in radar, servo, guidance, fire control, telemetering, and carrier telephone systems.

STANDARD TYPES AND VALUES

All series A, AR and R are available in the following values from factory or distributor stocks in 10%, 5%, 2% and 1% tolerances.

CY13C - A or - AR
0.5 to 200 mmf at 500 vdc
220 to 300 mmf at 300 vdc

CY17C - A or - AR
220 to 470 mmf at 500 vdc
510 to 1000 mmf at 300 vdc

CY22C - A or - AR
510 to 1000 mmf at 500 vdc
1100 to 2400 mmf at 300 vdc*

CY32C - A or - AR
1100 to 3300 mmf at 500 vdc
3600 to 6800 mmf at 300 vdc**

CY17C - R
300 to 620 mmf at 100 vdc
680 to 1200 mmf at 50 vdc

CY13C - R
0.5 to 22 mmf at 500 vdc
24 to 100 mmf at 300 vdc
110 to 220 mmf at 100 vdc
240 to 510 mmf at 50 vdc

*2200 and 2400 not available in - A Series
**6200 and 6800 not available in - AR Series

HIGH RELIABILITY SPECIFICATION S-1002

Every VITRAMON® Capacitor purchased against our High Reliability Specification S-1002 is accompanied by a detailed documentation verifying a reliability of better than 0.5% per 1000 hours. Continuous control testing of in-process material for all parameters, including 300,000 unit hours of life tests every six weeks, has consistently demonstrated an A.Q.L. for VITRAMON® Capacitors 12 times higher than Mil Specifications.

Vk™ micro-miniature CERAMIC CAPACITORS

47-10,000 mmf
200 vdc without derating
—55°C to 150°C operation

VK 20
case size: 0.2" square
lead spacing: 0.2"

VK 30
case size: 0.3" square
lead spacing: 0.2"

GENERAL CHARACTERISTICS

Temperature Co-efficient: Maximum deviation from 25°C measurement over range of —55°C to +150°C is ± 15%.
Voltage Co-efficient: Negative at the average rate of 0.025% per volt above 25 vdc for values through 680 mmf, and 0.1% per volt above 680 mmf.
Insulation Resistance: Minimum of 1,000 ohmfarads (100,000 megohms) at 25°C and 10 ohmfarads (1,000 megohms) at 150°C.
Dissipation Factor (at 1 kc): Less than 1.5% at 25°C and less than 1.0% at 150°C through 680 mmf; from 820 through 10,000 mmf, DF is less than 2.5% and 1.5% respectively.
Lead Strength: Withstands a force of five pounds exerted in the direction of the leads as required by MIL-C-11015B.
Dip-soldering: All units thermal shock proofed, may be dip-soldered up to the case at 600°F.
Dielectric Strength: A potential of 400% of rated voltage may be applied for 10 seconds at 25°C.

Part Number	Capacity mmf.	Part Number	Capacity mmf.	Part Number	Capacity mmf.
VK20CW470M	47	VK20CW151M	150	VK20CW471M	470
VK20CW560M	56	VK20CW181M	180	VK20CW561M	560
VK20CW680M	68	VK20CW221M	220	VK20CW681M	680
VK20CW820M	82	VK20CW271M	270	VK20CW821M	820
VK20CW101M	100	VK20CW331M	330	VK20CW102M	1000
VK20CW121M	120	VK20CW391M	390	VK30CW122M	1200

Part Number	Capacity mmf.	Part Number	Capacity mmf.
VK30CW152M	1500	VK30CW472M	4700
VK30CW182M	1800	VK30CW562M	5600
VK30CW222M	2200	VK30CW682M	6800
VK30CW272M	2700	VK30CW822M	8200
VK30CW332M	3300	VK30CW103M	10000
VK30CW392M	3900		

ALSO UNCASED FOR COMPLETE ASSEMBLY ENCAPSULATION

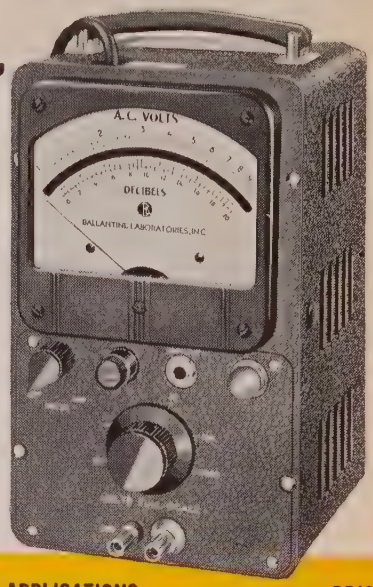
Same electrical characteristics as standard "VK" series. Each unit coated with a resilient protective compound. Leads .016 Diam. (nominal); .032 max. recommended hole diam. Dimensions: 47 - 100 mmf, .100" square; 120 - 270 mmf, .130" square; 330 - 1000 mmf, .150" square; 1200 - 3300 mmf, .250" square; 3900 - 10,000 mmf, .265" square. Add suffix "U" to standard part number to identify this unit.

VITRAMON® INCORPORATED

P.O. BOX 544 • BRIDGEPORT 1, CONNECTICUT

BALLANTINE ELECTRONIC VOLTMETERS

Famous since 1935 for Accuracy, Sensitivity and Reliability



Ballantine Voltmeters feature the same accuracy of reading on a logarithmic voltage scale. Alone or in combination with Ballantine accessories, they may be used to measure AC voltages from 20 microvolts to 28,000 volts, DC voltages from 10 microvolts to 100 volts and AC and DC currents from 0.1 microampere to 10 amperes.

Prices for modifications in mountings, finishes, special scales, terminal arrangements, etc., will be furnished on request.

All prices shown are net, F.O.B. Boonton, New Jersey, and are subject to change without notice. Write or call for a brochure on any of the instruments listed below.

MODEL	FREQUENCY RANGE	VOLTAGE RANGE	INPUT IMPEDANCE	ACCURACY OVER ENTIRE SCALE	APPLICATIONS	PRICE
300 Voltmeter	10 CPS–150 KC	1 MV–100 V	0.5 meg shunted by 30 pf	2%	General purpose, precision laboratory AC VTVM.	$220
300-D Voltmeter	10 CPS–250 KC	1 MV–1000 V	2 meg shunted by 15 or 25 pf, depending on voltage range	2%	General purpose, precision laboratory AC VTVM, a product improvement on the Model 300.	$255
300-E Voltmeter	30 CPS–100 KC	300 μV–300 V	2 meg shunted by 20 or 30 pf, depending on voltage range	2%	For mounting on 9½ inch relay rack. Rear connections for input, power, and decade switching.	$255
300-G Voltmeter	10 CPS–250 KC	1 MV–1000 V	2 meg shunted by 15 or 25 pf, depending on voltage range	1% 20 CPS-20 KC, 1 MV-250 V; 2% elsewhere	General purpose, precision laboratory AC VTVM, the most precise instrument in the Ballantine line.	$315
302-C Voltmeter, Battery Operated	2 CPS–150 KC	100 μV–1000 V	2 meg shunted by 10 or 25 pf, depending on voltage range	3% 5 CPS–100 KC; 5% elsewhere	Portable, battery-operated; no hum, with gain to 60 db. May be used on ungrounded or symmetrical circuits.	$255
305-A Voltmeter Peak Reading	5 CPS–500 KC, sine waves. Pulses, 0.5 μs up and 5 PPS up	1 MV–1000 V Peak or Peak-to-Peak	2 meg shunted by 10 or 25 pf, depending on voltage range	2%, sine waves 20 CPS to 200 KC; 4% elsewhere. 3%, pulses above 3 μs and 100 PPS, and up to 5% other conditions	Measures Peak or Peak-to-Peak value of any repetitive waveform, distorted or undistorted sinewaves, or pulses. Its operating mode can be selected to respond to a peak to peak and positive or negative peak of the waveform.	$395
310-A Voltmeter	10 CPS–2 MC or 5 CPS–4 MC as a null detector	100 μV–100 V (Down to 40 μV at reduced accuracy)	2 meg shunted by 9 or 19 pf, depending on voltage range	3% 15 CPS–1 MC; 5% elsewhere	Multi-purpose broadband VTVM for measurements such as low and high-level acoustics, low-level vibration, carrier telephone transmission, ultrasonic, and rf measurements. For use as an extremely sensitive null detector for signals as low as 10 microvolts.	$250
314 Voltmeter Wide Band	15 CPS–6 MC	1 MV–1000 V (100 μV–1 MV without probe)	11 meg shunted by 8 pf with probe, or 1 meg shunted by 25 pf without probe	3% 15 CPS–3 MC; 5% elsewhere	Wide-range unit of great sensitivity to facilitate development and servicing of equipment in video applications, and R.F. heating, vibration, ultrasonics, piezo-electricity, etc.	$300
316 Voltmeter Very Low Frequency	0.05 CPS–30 KC	0.02 V–200 V Peak-to-Peak	10 meg shunted by 17 or 40 pf, depending on voltage range	3%	For development, design and routine testing of automatic control systems involving low frequency servomechanisms and where sub-audio frequencies down to 0.01 cps are encountered. Minimum pointer "flutter" down to 0.05 cps.	$330
320 Voltmeter True RMS	5 CPS–500 KC	100 μV–320 V	10 meg shunted by 8 or 18 pf, depending on voltage range	3% 15 CPS–150 KC; 5% elsewhere	Determines true root-mean-square magnitudes of periodic complex waves or voice potentials. Built-in calibrator. Crest factor range at full scale is 4.5 for high voltage scale and 15 for low voltage scale. Immune to severe overload.	$445
220-C Decade Amplifier, Battery Operated	10 CPS–150 KC	Amplifies precisely 10 times or 100 times, as selected	5 meg shunted by 15 pf	2%	To increase sensitivity of Model 300 to 20 μv. Provides no-hum preamplifier of accurate gain over wide band. Output source impedance less than 900 ohms in series with 2 μf for 10 x gain, and less than 7000 ohms in series with 2 μf for 100 x gain.	$110

420 DC and AC Precision Calibrator — Provides accurate, convenient way of calibrating voltmeters, oscillographs, and other voltage-sensitive devices. Voltage Range: 0-10 V RMS, Peak-to-Peak, or DC. Frequency: 1 KC. Accuracy: better than 0.5% above 1 MV. Distortion and Hum: less than 0.25%. Setting Resolution: approaches 0.01% above 10 MV. Output Impedance (AC): 2-20 ohms depending on range setting. Output Impedance (DC): 0-4000 ohms depending on dial setting. Price: $365

520 Direct Reading Capacitance Meter — Provides one of the most convenient ways of measuring capacitance over an extremely wide range of values as encountered in paper, plastic, mica, ceramic, and air-dielectric types. Capacitance Range: 0.01 pf to 12 μF. Accuracy: 2% above 0.1 pf; 5% below 0.1 pf with dissipation factors as high as 0.05. Test Frequency: 1 KC. "Go-No-Go" acceptance limit pointers may be set to any desired limits, making it easy for completely untrained personnel to make accurate selections. Price: $295

700 Sensitive Inverter — A stable, precise voltmeter accessory that permits the measurement of DC potentials as low as 10 microvolts by converting the DC into a precisely amplified AC signal to which a Ballantine voltmeter is responsive. Input Voltage Range: 10 μv — 100 V DC. Features a built-in calibrator of 0.25% accuracy. Accuracy: better than 1% above 100 μv; Input Resistance: 10 meg for 1:100 or 50 meg for 10:1. May be used with Ballantine series 600 Shunt Resistors to measure DC from 0.01 μa to 10 a. Price: $365

710 Linear AC to DC Converter — Converts an AC voltage to a precise DC voltage which can be measured with a DC device such as a Type K Potentiometer, Digital DC Voltmeter, Recorder, etc. Features accuracy better than 0.25%. Input Voltage Range: 1 MV — 1000 V. Frequency Range: 30 cps — 250 KC. Input Impedance: 2 meg shunted by 15 pf, except 2 meg shunted by 25 pf on most sensitive range. Accuracy: ±0.25% 50 cps — 10 KC; ±0.5% 30 cps — 50 KC; ±1% above 50 KC. Price: $450

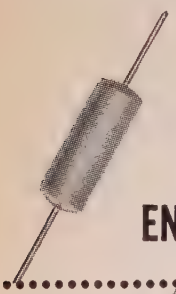
BALLANTINE LABORATORIES, Inc. Boonton, New Jersey
Phone: DEerfield 4-1432 TWX: BONTN 831

now, one source ELECTRA offers you all of these precision resistors

All Electra resistors are designed to meet or exceed Mil-R-10509C. Your request will bring complete specifications and characteristics on any or all types by return mail. For complete details, see your local representative, or write for catalog and price schedules.

DEPOSITED CARBON

Electra Part No.	Mil Style	Wattage	Mil Resistance Range	Manufactured Resistance Range	Maximum Rated Voltage	Length A ±1/32	Dia. B ±1/32	Leads Dia.	Lead Length C ±1/8
DC 1/10		1/10		10 ohms to 300 K	250	1/4	3/32	#22	1-1/2
DC 1/8		1/8		5 ohms 800 K	250	5/16	3/32	#26	1-1/2
DC 1/8X		1/8		100 ohms 1 meg	250	5/16	3/32	#22 capless	1-1/2
DC 1/4A	RN10X	1/4	5 ohms 1 meg	5 ohms 2 meg	300	15/32	3/32	#22	1-1/2
DC 1/4X		1/4		100 ohms 2 meg	300	7/16	1/8	#22 capless	1-1/2
DC 1/2C		1/2		3 ohms 4 meg	350	1/2	11/64	#20	1-1/2
DC 1/2A	RN20X	1/2	10 ohms 2.0 meg	4 ohms 5 meg	350	5/8	11/64	#20	1-1/2
DC 1/2B		1/2		10 ohms 5 meg	350	23/32	7/32	#20	1-1/2
DC 1/2		1/2		10 ohms 5 meg	500	13/16	11/64	#20	1-1/2
DC 1	RN25X	1	10 ohms 4.99 meg	8 ohms 26 meg	500	*15/16	19/64	#20	1-1/2
DC 2	RN30X	2	30 ohms 10 meg	15 ohms 90 meg	750	*2-1/16	19/64	#20	1-1/2
				*Tol. ± 1/16					



DEPOSITED CARBON PLASTIC ENCAPSULATED

						± .001	± .010		±1/8
DCM 1/10		1/10		10 ohms to 300 K	250	.260	.125	#22	1-1/2
DCM 1/8	RN60B	1/8	10 ohms 1 meg	4 ohms 3 meg	250	.410	.142	#22	1-1/2
DCM 1/4	RN65B	1/4	10 ohms 2 meg	5 ohms 7 meg	300	.600	.225	#22	1-1/2
DCM 1/2	RN70B	1/2	10 ohms 2.5 meg	4 ohms 8 meg	350	.755	.270	#20	1-1/2
DCM 1	RN75B	1	10 ohms 5.11 meg	5 ohms 28 meg	500	1.115	.400	#20	1-1/2
DCM 2	RN80B	2	30 ohms 10 meg	10 ohms 100 meg	750	*2.240	.400	#20	1-1/2
				*Tol. ± .030					

DEPOSITED CARBON HERMETICALLY SEALED

						± .001	± .010		±1/8
HC 40		1/8		8 ohms 1 meg	150	*.281	.160	#22	1-1/2
HC 10	RN60B	1/8	10 ohms 1 meg	8 ohms 1 meg	250	.427	.155	#22	1-1/2
HC 8	RN65B	1/4	10 ohms 2 meg	8 ohms 5 meg	300	**.640	.240	#22	1-1/2
HC 12	RN70B	1/2	10 ohms 2.5 meg	10 ohms 10 meg	350	.833	.250	#20	1-1/2
HC 6	RN75B	1	10 ohms 5.11 meg	8 ohms 25 meg	500	1.115	.400	#20	1-1/2
HC 7	RN80B	2	30 ohms 10 meg	20 ohms 50 meg	750	*2.240	.400	#20	1-1/2
				*Tol. ± 1/32	** ± .015				

PRECISION CARBON FILM (HIGH TEMPERATURE)

CF 1/8	RN60B	1/8	10 ohms 1 meg	10 ohms 4 meg	250	.375 +1/16 −1/32	.125 +.040 −.010	#22	1-1/2 ±1/8
CF 1/4	RN65B	1/4	10 ohms 2 meg	5 ohms 12 meg	300	.625 +1/32 −1/16	.1875 +1/16 −1/32	#22	1-1/2 ±1/8
CF 1/2	RN70B	1/2	10 ohms 2.5 meg	5 ohms 12 meg	350	.750 +3/32 −1/16	.250 +1/32 −1/32	#20	1-1/2 ±1/8

PRECISION MOLDED METAL FILM

MF 1/8	RN60C	1/8	100 ohms 301 K	30 ohms 500 K	250	.406 ±.015	.135 ±.010	#22	1-1/2 ±1/8
MF 1/4	RN65C	1/4	100 ohms 499 K	50 ohms 1 meg	300	.594 ±.015	.210 ±.015	#22	1-1/2 ±1/8
MF 1/2	RN70C	1/2	100 ohms 1 meg	50 ohms 1.5 meg	350	.750 ±.020	.265 ±.015	#20	1-1/2 ±1/8
MF 1	RN75C	1	100 ohms 2 meg	50 ohms 4 meg	500	1.105 ±.020	.395 ±.020	#20	1-1/2 ±1/8
MF 2		2		100 ohms 10 meg	750	2.239 ±.020	.400 ±.020	#20	1-1/2 ±1/8

Electra MANUFACTURING COMPANY • 4051 Broadway • Kansas City, Mo.

what is R.C.Allen

It's a name, first of all, that has been synonymous for over 17 years with the production of 90% of the aircraft industry's turn and slip indicators . . . and for the past decade, with the production of rate gyroscopic instruments.

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. . . and, it's a standard for dependability in meeting all contractural obligations.

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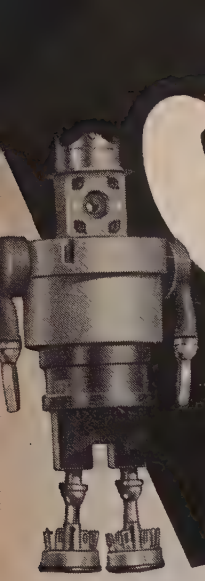


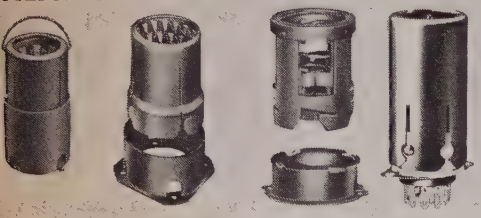
Cinch ELECTRONIC COMPONENTS®

In the more than a quarter of a century of experience in the manufacture of electronic components, sockets, shields, connectors, terminal strips and miscellaneous electronic hardware, Cinch parts by specification and application have earned recognition as "Standard in the industry."

1. Cinch components for printed circuitry, 24 pages, Catalog PC-59.

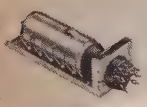
2. Cinch Sub-miniature Sockets, 12 pages, Catalog SM-58.

HEAT DISSIPATING TUBE SHIELDS



OCTAL and POWER SHIELDS — T5 and T6 — TR5 and TR6

The 7 and 9 pin Miniature Series, T, TR, and NW Series are variously covered by Military Specifications:
MIL-S-9372B (USAF)
MIL-STD-242B (Ships)

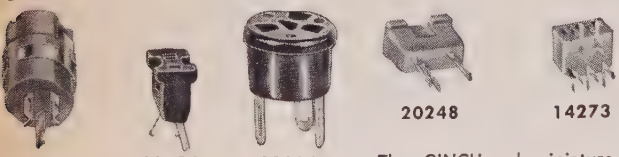


MIL-S-19786A (Navy) SCL-6307/2 (Signal Corps)

In the Octal and Power Series, the shields are covered by Redstone Arsenal and Signal Corps approval. Where shields are required blackened, Henderlube is supplied as the Standard finish.

Under license arrangement with International Electronic Research Corporation.

TRANSISTOR SOCKETS



17431 — 22455 — 22384 — 20248 — 14273

The CINCH sub-miniature and miniature sockets insure positive electrical contact, hold transistors and tubes securely in place, permit easy maintenance and replacement, provide maximum insulation resistance and minimum high frequency loss.

UNIVERSAL TRANSISTOR SOCKETS

STANDOFF TYPE

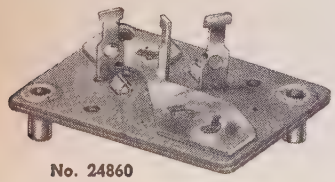
Standoff type Universal Transistor Socket for use with ten transistor bases and five base types. Casting is mica-filled phenolic (MFE). Contacts are beryllium copper, gold plated. Contacts may be used with either one or two sided 1/16" p.w. boards.

No. 24872

No. 24872 for use with transistors designed to the triangular base layout .2" x .1" (JETEC-30) contact centers, as well as the three contact in-line (.048 x .192 contact centers). Available in G. P. Black and low loss Mica-filled Phenolic.

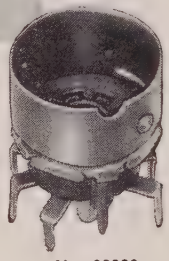
POWER TRANSISTOR SOCKETS

There are three laminated and one molded No. 24246 type sockets; No. 22831 is elongated in shape, No. 24324 is rectangular in shape. Top and bottom plates are of natural XP Bakelite, vacuum wax impregnated. Formed thread for 6 — 20 screw, .104/.110 dia. hole in C R steel plate. Provides easy attachment to a heat sink. No. 24860 is identical with 24324 except it is equipped with integral eyelets for easy assembly to chassis. All contacts are of brass, cadmium plated.



No. 24860
WITH INTEGRAL EYELETS

PRINTED CIRCUIT SOCKETS

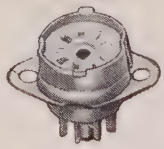


No. 22920

These sockets for the three types of receiving tubes. Miniature, Flat Press and Button.

The contacts are so spaced that they can be mounted in an incremental drill pattern. This fact together with the exact precision and uniformity of Cinch sockets make them ideal for automatic assembly.

No. 22920 — 7 contact miniature molded vertically mounted socket with JAN type shield base. Mica insulation. Silver plated phosphor bronze contacts drop through .062" dia. clearance holes arranged on a .1" X and Y axis.



No. 22022

No. 22022—8 contact button base subminiature molded vertically mounted socket for conventional wiring. Assembled with special shield base to accept a subminiature shield with the "J" lock. Mica insulation. Silver plated beryllium copper contacts.

No. 24257

No. 24257 — 7 contact flat press subminiature molded right angle socket. Mica insulation. Silver plated beryllium copper contacts drop through .046" dia. clearance holes arranged on a .1" X and Y axis.

SOCKET FOR NUVISTOR TUBE

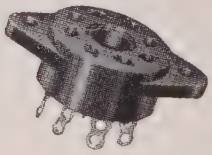
Low insertion force and contact protection . . . require minimum space . . . fulfilling every requirement for miniaturized equipment.
No. 133 65 10 001

The socket provides two slots of different widths mating with two corresponding legs depending from the metal envelope of the tube to index the tube and socket contacts. As a result the tube can be inserted by feel only and it is impossible to insert the tube incorrectly or damage the contacts. The socket saddle provides spring elements that engage with the depending legs of the tube envelope thus grounding the envelope to the panel.

ALL MOLDED OCTAL SOCKET

This new all molded Octal socket offers a complete one piece construction. The saddle and body are a single casting.

The standard socket is molded of general purpose Bakelite. Contacts are of brass, cadmium plated. Mica insulation with brass or phosphor bronze contacts can be made available. Two contact layouts can be supplied.



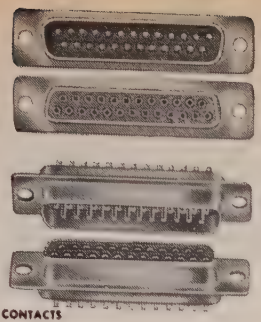
CINCH MANUFACTURING COMPANY
1026 South Homan Ave., Chicago 24, Illinois
Division of United-Carr Fastener Corporation, Boston, Mass.

CINCH GOLDEN "D"

MONOBLOC CONNECTOR FEATURES:

• Monobloc insulators • Low engagement/separation forces • Probe-proof closed-entry socket contacts • Golden Iridite finish—per Mil Q Q-P-416A, Type II Class 2 • Type GDI-30 per Mil-M-19833 or MDG per Mil-M-14E insulators • Fully interchangeable with standard "D".

FOUR TYPES AVAILABLE: GOLDEN-D with closed-entry contacts in monobloc insulator.
*GOLDEN-D with snap-in ungrounded coaxial contacts.
*GOLDEN-D with grounded coaxial contacts.
*GOLDEN-D with high voltage contacts.
CONTACTS: 9, 15, 25, 37, and 50



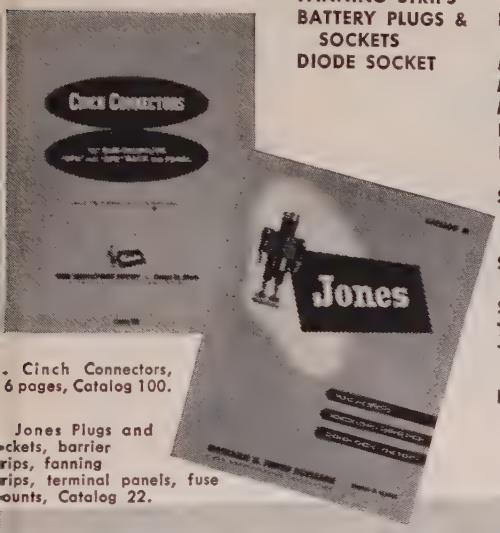
25 CONTACTS

Manufactured by agreement with Cannon Electric Company

CINCH AND JONES COMPONENTS

The list below comprises the products of both **CINCH** and **JONES**. It is indicative of their wide scope; and also indicates the myriad of variations and redesigning that is possible with this background of production experience.

- ANTENNA JACKS
- BARRIER TERMINAL STRIPS
- FANNING STRIPS
- BATTERY PLUGS & SOCKETS
- DIODE SOCKET
- CONNECTORS, MULTI CONTACT
- FUSE STRIPS, BLOCKS & BOARDS
- HERMETICALLY SEALED TUBE SOCKETS
- METAL STAMPINGS
- MICRO-CONNECTORS
- MOUNTING DEVICES
- PHONO TIP JACKS
- PRINTED CIRCUIT CONNECTORS
- SHIELDS, TUBE-MINIATURE & NOVAL & BASES
- SOLDERING LUGS—200 VARIATIONS
- STRAP NUTS
- TRANSISTOR SOCKETS
- TUBE HOLDERS—SPRING TYPE
- PLUGS AND SOCKETS



. Cinch Connectors, 6 pages, Catalog 100.

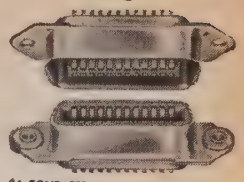
Jones Plugs and ockets, barrier rips, fanning rips, terminal panels, fuse ounts, Catalog 22.

MINIATURE BLUE RIBBON CONNECTORS

The smooth, easy insertion and extraction action, the self-wiping, self cleaning features and the double-sided, flexing action of both mating contact members make Micro-Ribbons the first miniature connectors to provide reduction in size with added reliability.

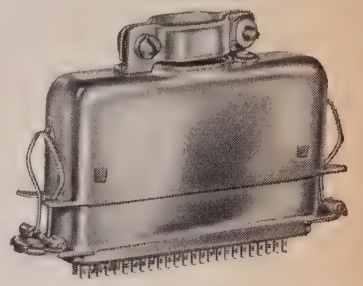
Bodies are molded of an improved diallyl phthalate with extremely high impact strength and excellent dielectric features. Contacts are gold-plated over silver. Shells are cadmium-plated brass with clear chromate treatment. Receptacle shells have floating bushings allowing a float of .020 in each direction.

The compact housings are equipped with sturdy spring type latches on the receptacles which are guided and held by cut-outs in the plug flanges. The shells are cadmium plated brass with clear chromate treatment. Receptacle shells have floating bushings allowing a float of .020 in each direction.



24 CONTACTS

RACK AND PANEL TYPES

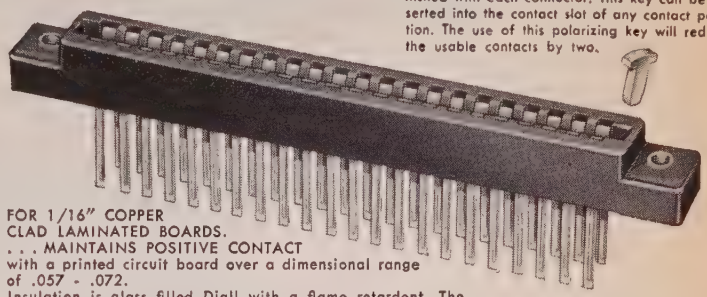


CABLE TO CHASSIS TYPE

Manufactured by agreement with Amphenol-Borg Electronics Corporation

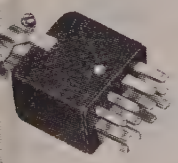
WRAPOST TERMINATION PRINTED CIRCUIT CONNECTOR

A No. 20H29401-4 plastic polarizing key is furnished with each connector. This key can be inserted into the contact slot of any contact position. The use of this polarizing key will reduce the usable contacts by two.



FOR 1/16" COPPER CLAD LAMINATED BOARDS.
. . . MAINTAINS POSITIVE CONTACT with a printed circuit board over a dimensional range of .057 - .072.
Insulation is glass filled Diall with a flame retardent. The 44 contacts are phosphor bronze with a silver plate of .0002 and .00003 min. gold plate finish. The inventory problem is simplified by providing a single connector that can be polarized in any position.

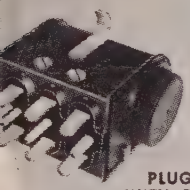
JONES PLUGS AND SOCKETS



P-312-CCT

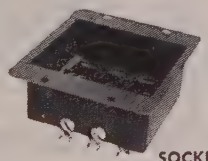
S-312-AB

"300" SERIES Plugs and Sockets are designed for light duty service. Two to thirty-three contacts. Plugs and sockets polarized. Phosphor bronze "knife switch" socket contacts engage both sides of heavy brass plug contacts for positive connections. Molded bakelite insulation. Also can be supplied with contact tails that will take standard solderless terminals. UL approved.



-506-CE

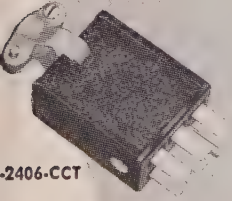
PLUG WITH CAP



S-506-DB

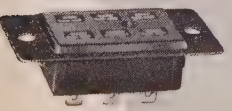
SOCKET WITH DEEP BRACKETS

500 SERIES for heavy duty work, severest electrical services. For 5,000 Volts 25 Amperes per Contact alterable by circuit characteristics. Socket contacts phosphor bronze knife-switch type, cadmium plated. Plug contacts hard brass cadmium plated 2, 4, 6, 8, 10, and 12 contacts. Plugs and sockets polarized. Long leakage path from terminal, and terminal to ground. Caps and brackets, steel parkerized **(rust-proofed)**. Plug and socket blocks interchangeable in caps and brackets. Terminal connections most accessible. Cap insulated with canvase bakelite.



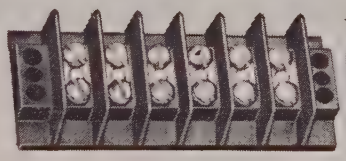
-2406-CCT

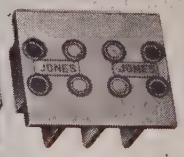
S-2406-SB



2400 SERIES plugs and sockets . . . improved socket contacts. For highest electrical and mechanical efficiency. 4 individual flexing surfaces. Positive contact over practically their entire length. Cadmium plated plug and socket. Contacts mounted in recessed pockets, greatly increasing leakage distance, increasing voltage rating.

JONES BARRIER TERMINAL STRIP

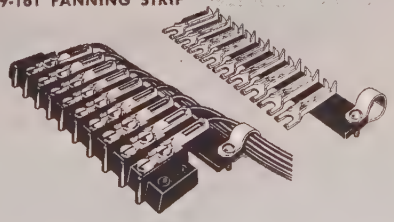




500 SERIES . . . wider and higher barriers for increased creepage distances. Closed bottoms for complete insulation. Material between barriers at the base adds to the strength and maintains same creepage distance between contact to contact and contact to ground. Can be imprinted here. No insulating or marker strip required.

JONES FANNING STRIP

9-161 FANNING STRIP



9-141 BARRIER STRIP

Big help in terminal wiring. Connections are made through Fanning Strip, on bench or anywhere apart from barrier strip, and quickly slipped into assembly. Simplifies and facilitates soldering. Insures positive, correct connections. Saves time. Ideal for harness or cable assembly. Strong construction; brass terminals, cadmium plated. Heavy Bakelite mounting.

HOWARD B. JONES DIVISION
CINCH MANUFACTURING COMPANY
1026 SO. HOMAN AVE., CHICAGO 24, ILL.

ELECTRONIC DOT ASSEMBLIES

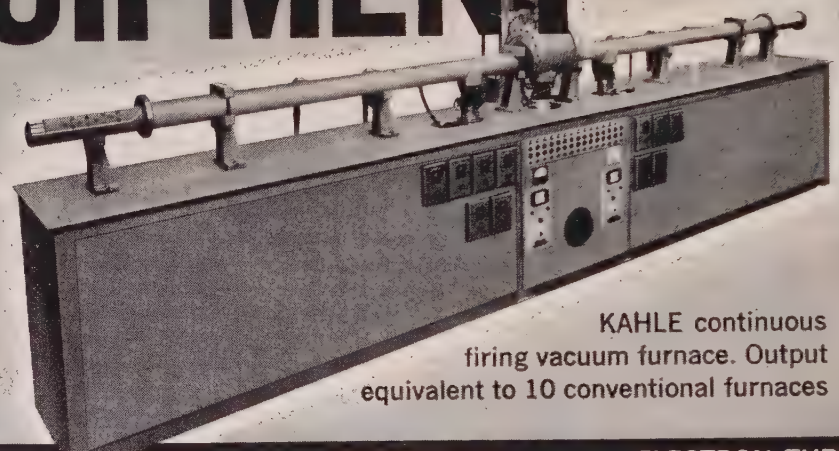
CINCH MANUFACTURING COMPANY
1026 South Homan Ave., Chicago 24, Illinois
Division of United-Carr Fastener Corporation, Boston, Mass.

Accelerate production with

KĀHLE

EXPERIENCED-DESIGNED

AUTOMATION EQUIPMENT



KAHLE continuous firing vacuum furnace. Output equivalent to 10 conventional furnaces

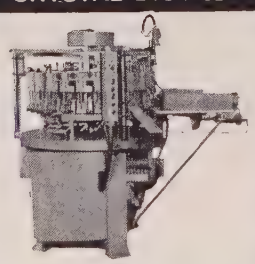
Lower your costs with high volume KAHLE precision production machines for . . . .

CRYSTAL DIODES
- Tube Cutting
- Lead Beading
- Crystal Growing
- Crystal Refining
- Crystal Mounting
- Body Forming
- Welding
- Final Sealing

TRANSISTORS
- Header Forming
- Crystal Mounting
- Welding
- Exhausting
- Sealing

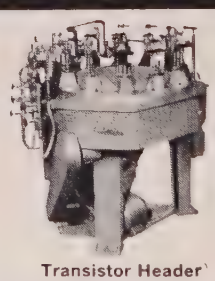
ELECTRON TUBES
- Stem Forming
- Bulb Making
- Tubulating
- Lead Welding
- Lead Beading
- Grid Winding
- Heat Treating
- Degassing
- Exhausting
- Sealing
- Bombarding
- Testing
- Flaring

CRYSTAL DIODES



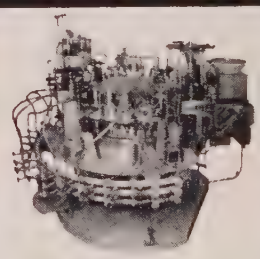
Crystal Diode Final Seal Machine No. 3117

TRANSISTORS



Transistor Header Machine No. 2707

ELECTRON TUBES



Electron Tube Button Stem Machine No. 3017

Complete Engineering, Design and Machine Building Services—

KAHLE engineers have built well over 1,000 performance-proven machines for high speed, low cost production in the electronic, electrical and glass working industries.

For example, the latest KAHLE continuous firing vacuum furnace provides uninterrupted operation and an output equal to 10 conventional furnaces.

KAHLE experience in raising production quality and reducing costs is available to help solve your fabrication problems. For recommendations on specific applications, just call or write outlining your requirements.

KĀHLE ENGINEERING COMPANY

General Offices: 3317 HUDSON AVENUE, UNION CITY, NEW JERSEY, U. S. A.

WORLD'S LARGEST EXCLUSIVE BUILDER OF PRODUCTION AND SPECIAL PURPOSE MACHINES FOR THE ELECTRONIC INDUSTRY

RAYTHEON

REFLEX KLYSTRON OSCILLATORS

Type No.	Maximum Frequency Range (Kmc)	Power Output (mw) Av.	Power Output (mw) Min.	Reso. Poten (D.C. Volts)	Electronic Tuning ΔE. REF. between ½ power pts. (Mc.)	Heater Current at 6.3V. (Amps)	Type of Tuning	Type of Output Coupling
K5837	.55-2.3	160	50	325		0.675	Mech. Induc.	1
K6BMGR	1.5-3.8	40	15	325		0.625	Mech. Induc.	1
	1.5-3.8	75	10	325				
	Same Characteristics as RK6BM6—Pulsed Version							
K5777	.6-2.35	160	100	400	8 min.	0.985	Mech. Induc.	1
K6133	1.5-3.75	140	95	300	20 min.	0.650	Mech. Induc.	1
K2K28	1.8-4.0	100	80	300	20 min.	0.660	Mech. Induc.	1
K5981	1.245-1.46	100	40	225	2.5 min.	0.455	Mech. Cap.	1
K5778	1.8-4.62	150	100	300	8 min.	0.985	Mech. Cap.	1
K6BL6	1.6-4.0	121	.....	300	.....	0.675	Mech. Induc.	1
	3.6-5.5	.....	.....					
K5836	1.6-4.0	121	.....	300	.....	0.675	Mech. Induc.	1
	3.6-5.5	.....	.....					
K5721	2.0-12.0	150	20	1000	.....	0.580	Mech. Induc.	1
K726B	2.883-3.173	150	110	300	25 min.	0.440	Mech. Cap.	1
K6236	3.8-7.6	125	90	1000	10 min.	0.580	Mech. Induc.	1
K726C	2.7-2.96	100	85	300	25 min.	0.440	Mech. Cap.	1
K6043	2.95-3.275	175	25	300	20 min.	0.650	Mech. Cap.	1
K726A	3.173-3.400	140	100	300	25 min.	0.440	Mech. Cap.	1
K2K29	3.4-3.96	106	85	300	28 min.	0.440	Mech. Cap.	1
K2K56	3.84-4.46	100	80	300	30 min.	0.440	Mech. Cap.	1
K381	4.1-4.45	4.5	3.0	250	30 min.	0.440	Mech. Cap.	1
K2K22	4.24-4.91	115	75	300	30 min.	0.440	Mech. Cap.	1
K2K48	4.0-11.0	.....	.....	1250	.....	0.575	Mech. Induc.	1
K6115A	5.1-5.9	100	70	300	30 min.	0.440	Mech. Cap.	1
K412	5.1-5.9	100	70	300	.....	0.440	Mech. Cap.	2
K6037	5.12-5.43	30	20	300	40 min.	Kly.-470 Tuner-.825	Therm. Cap.	3
K754	5.925-6.425	1300	1000	750	40 ave.	0.675	Mech. Cap.	3
K461	5.925-6.45	120	100	300	30 min.	0.440	Mech. Cap.	3
K7158	5.925-6.45	120	100	300	20 ave.	0.440	Mech. Cap.	3
K549	5.850-6.425	120	90	300	15 ave.	0.440	Mech. Cap.	3
K5976	6.2-7.425	110	85	300	32 min.	0.440	Mech. Cap.	3
K2K26	6.25-7.06	100	80	300	32 min.	0.440	Mech. Cap.	3
K755	6.575-7.125	1300	1000	750	40 ave.	0.675	Mech. Cap.	3
K531	6.5-6.875	100	40	300	15 min.	0.440	Mech. Cap.	3
K532	6.8-7.125	100	40	300	15 min.	0.440	Mech. Cap.	3
K757	7.125-7.65	1300	1000	750	35 ave.	0.675	Mech. Cap.	3
K623	7.0-7.65	100	40	300	15 min.	0.440	Mech. Cap.	3
K752	7.05-7.845	100	40	300	15 ave.	0.450	Mech. Cap.	4
K758	7.125-7.75	1300	1000	750	35 ave.	0.675	Mech. Cap.	3
K6586	7.05-8.125	120	65	300	18 min.	0.440	Mech. Cap.	3
K645	7.125-8.5	200	120	375	18 min.	0.440	Mech. Cap.	3
K6390	6.87-10.75	80	45	1250	6 min.	0.580	Mech. Induc.	1
K753	7.75-8.4	115	90	300	25 ave.	0.450	Mech. Cap.	11
K759	7.75-8.4	1300	1000	750	35 ave.	0.675	Mech. Cap.	11
K646	8.5-10.0	70	25	300	48 min.	1.20	Mech. Cap.	5
K6310	8.5-10.0	70	25	300	48 min.	1.20	Mech. Cap.	5
K6312	8.5-10.0	70	25	300	48 min.	1.20	Mech. Cap.	5
K6316	8.5-10.0	70	25	300	48 min.	1.20	Mech. Cap.	5
K2K25	8.5-9.66	27	15	300	60 ave.	0.440	Mech. Cap.	2
K2K45	8.5-9.66	32	20	300	70 ave.	0.762	Therm. Cap.	2
K6116	8.5-9.66	32	20	300	70 ave.	0.50	Therm. Cap.	2
K6845	8.5-9.66	32	20	300	70 ave.	0.50	Therm. Cap.	2
K6940	8.5-9.66	32	20	300	70 ave.	0.50	Therm. Cap.	2
K414	9.66-10.25	20	15	300	50 min.	0.440	Mech. Cap.	2
K448	12.0-13.8	85	50	300	60 min.	0.440	Mech. Cap.	6
K510	12.0-13.8	85	50	300	60 min.	0.440	Mech. Cap.	6
K6178	15.75-16.25	25	20	300	75 min.	0.440	Mech. Cap.	6
K6573	15.5-17.0	25	20	300	75 min.	0.440	Mech. Cap.	6
K306	18.0-22.0	40	10	1800	40 ave.	0.580	Mech. Cap.	7
K6253	18.0-22.0	40	10	1800	40 ave.	0.580	Mech. Cap.	7
K2K33	22.0-25.0	40	10	1800	40 ave.	0.580	Mech. Cap.	7
K6254	22.0-25.0	40	10	1800	40 ave.	0.580	Mech. Cap.	7
K463	24.5-27.5	40	10	1800	40 ave.	0.580	Mech. Cap.	7
K463A								
K289	.....	20	10	2250	45 ave.	0.580	Mech. Cap.	8
K290	.....	20	10	2250	45 ave.	0.580	Mech. Cap.	8
K291	.....	18	5	2250	45 ave.	0.580	Mech. Cap.	8
K288	34.3-35.3	20	10	2250	50 min.	0.580	Mech. Cap.	8
K292	.....	10	8	2500	45 ave.	0.580	Mech. Cap.	8
K293	34.9-42.8	5	.....	2500	To be Spec.	0.580	Mech. Cap.	9
K294	40.0-51.8	5	.....	3000	To be Spec.	0.580	Mech. Cap.	9
K295	Two tubes necessary to cover from approx. 50.0 to 60.0 Kmc	To be Spec.		3000	To be Spec.	0.580	Mech. Cap.	10

LEGEND

1—Coaxial Cable
2—Coaxial to Waveguide RG-49/U
3—Coaxial to Waveguide RG-50/U
4—Coaxial to Waveguide RG-51/U
5—Waveguide RG-52/U
6—Waveguide RG-91/U
7—Waveguide RG-53/U, RG-66/U
8—Waveguide RG-96/U
9—Waveguide RG-97/U
10—Waveguide RG-98/U
11—Waveguide RG-51/U

AMPLITRONS

Type No.	Frequency (Mcs)	Peak Power (Kw)	Power (W)	Du	tpc	Epy Kv	ib mA	Heater Ef	Heater if
QK654	1250-1350	800	1500	.0019	5.0	40	84	30.0	2.4
QK653	1280-1350	4000	2880	.00072	2.0	96	67	2.7/0	55/0
QK622	2900-3100	3000	15000	.005	10.0	55	320	None	None
QK783	2700-2900	3000	15000	.005	10.0	53	335	None	None

STABILOTRONS

QK630	1270-1350	550	1320	.0024	3.0	35	89	30.0	2.4
QK629	Stabilotron external stabilizing system, containing a tunable cavity (1270-1350 Mcs), a phase shifter, and a matched termination for absorbing off-resonant power. Must be pressured to 30 p.s.i.a.								

MAGNETRON OSCILLATORS

Type No.	Heater Volt. (Volts)	Heater Current (Amps)	Class	Frequency	Peak Anode Volt (Kv)	Peak Anode Current (Amps)	Duty Cycle	Min. Peak Power (Kw)
RK7547	6.5	55.0	406-450	Tunable Pulsed	55.0	97.3	.0018	2000.0
QK508	7.0	55.0	420-450	Fixed F Pulsed	55.0	97.3	.0018	2000.0
RK5J26	23.5	2.2	1220-1350	Tunable Pulsed	28.0	46.0	.002	400.00
RK6517	2.5	85.0	1250-1350	Pulsed	53.0	50.0	.0013	1000.0
RK7528	3.0	85.0	1250-1350	Pulsed	60.0	90.0	.0012	2000.0
RK7484A	3.0	85.0	1250-1350	Pulsed	60.0	90.0	.0012	2000.0
QK665	15.0	150.0	1250-1285	Fixed F	71.0	150.0	.0018	5000.0
QK666	15.0	150.0	1320-1350	Pulsed	71.0	150.0	.0018	5000.0
RK2J34	6.3	1.5	2700-2740	Pulsed	20.0	30.0	.001	240.0
4J31-35	16.0	70.0	2700-2900	Pulsed	28.0	70.0	.0005	800.0
RK7959	8.0	7.8	2700-2850	Tunable Pulsed	61.5	115.0	.001	3500.0
RK5586	16.0	3.1	2700-2900	Pulsed	29.5	70.0	.0005	800.0
RK2J33	6.3	1.5	2740-2780	Fixed F	20.0	30.0	.001	240.0
RK6410A	8.0	79.0	2750-2860	Pulsed	71.0	130.0	.001	4500.0
RK6406A	8.8	79.0	2850-2910	Fixed F	52.0	85.0	.0006	1750.0
RK6518	13.0	40.0	2860-2900	Fixed F	41.0	87.5	.0006	1500.0
RK2J30	6.3	1.5	2860-2900	Pulsed	20.0	30.0	.001	240.0
RK5657	16.0	3.1	2900-3100	Tunable	30.0	70.0	.0005	800.0
RK6695	16.0	3.1	3430-3570	Tunable	31.0	60.0	.001	650.0
RK6402	8.3	43.0	3430-3570	Pulsed	47.0	50.0	.0014	700.0
RK6403	8.3	43.0	3430-3570	Pulsed	54.0	80.0	.0014	2000.0
RK4J36	16.0	3.1	3400-3700	Pulsed	28.0	70.0	.0005	700.0
QK393	6.3	0.6	4300±40	CW Fix Freq.	0.3	0.03	.....	.001
RK6177	6.3	0.6	4268-4350	FM-CW	0.33	0.03	.....	.001
QK632	5.0	19.0	5250-5310	Fixed F Pulsed	35.5	60.0	.001	19.0
RK7040	6.3	1.65	5380-5420	Pulsed	14.5	14.0	.001	85.0
QK539	5.0	19.0	5450-5510	Pulsed	35.5	60.0	.0001	1000.0
QK735	5.0	1.0	5400-5900	Tunable Pulsed	2.1	1.5	.0003 .002	0.4
RK7578	5.0	1.6	5400-5900	Pulsed	3.0	2.2	.000025 .002	1.0
QK737	5.0	1.0	5430-5570	Pulsed	1.6	1.1	.0003	0.225
RK7156	5.0	5.0	5450-5825	Tunable Pulsed	24.5	24.0	.001	250.0
RK6344	11.0	11.0	5450-5825	Pulsed	21.5	22.0	.001	175.0
RK7417	6.3	1.6	5500-5600	Fixed F	7.5	4.0	.0003	9.0
RK2J51A	6.3	1.0	8500-9600	Pulsed	14.0	14.0	.0001	40.0
RK7256	6.3	1.0	8500-9600	Pulsed	14.0	14.0	.001	40.0
RK6249A	9.0	14.2	8500-9600	Pulsed	28.0	25.0	.001	200.0
RK6248	6.3	5.0	8700-8900	Pulsed	3.8	0.9	.045	1.2
RK2J50	6.3	1.0	8750-8900	Fixed F Pulsed	12.0	12.0	.001	40.0
RK6229	5.0	0.45	8900-9400	Tunable Pulsed	4.0	0.5	.0005	0.4
QK790	5.0	0.45	8900-9400	Pulsed	4.5	1.0	.001	1.0
RK2J49	6.3	1.0	9000-9160	Fixed F Pulsed	12.0	12.0	.001	40.0
QK736	5.0	0.75	9130-9270	Tunable Pulsed	1.9	1.1	.0003	0.2
RK6967A	6.3	2.9	9205-9285	Fixed F Pulsed	15.0	13.5	.001	75.0
RK2J56A	6.3	1.0	9215-9275	Pulsed	12.0	12.0	.001	40.0
RK6002	4.0	40.0	9230-9404	Pulsed	27.5	30.0	.001	225.0
RK6959	6.0	30.0	9330-9420	Fixed F Pulsed	34.0	38.0	.00105	428.0
QK624	3.6	36.0	9340-9440	Pulsed	40.5	68.7	.001	1000.0
RK2J55	6.3	1.0	9345-9405	Fixed F Pulsed	12.0	12.0	.001	40.0
RK2J42H	6.3	0.5	9345-9405	Pulsed	5.25	4.5	.00036	7.0
RK7452	4.8	12.0	15,840-16,160	Pulsed	24.0	12.0	.00215	70.0
QK702	4.8	12.0	15,840-16,160	Tunable Pulsed	24.0	12.0	.00215	70.0
RK6841	4.0	10.5	16,410-16,625	Fixed F	16.5	14.0	.0009	50.0

TRAVELING WAVE TUBE AMPLIFIERS

Type No.	Filaments Volts	Filaments Amps	Collector V. Range	Collector Current	Control Electrode Voltage	Frequency (Mcs)	Small Signal Gain	Gain (Saturation)	Power (Saturation)
QK542	6.3	1.0	1500-1700 Vdc.	40mA Max.	0-300 Vdc.	3900-8000 Mc	25-30 db	20-25 db	1W/Min.
QKW825	6.3	1.0	1500-1700 Vdc.	40mA Max.	0-300 Vdc.	5400-7400 Mc	30-35 db	25-30 db	3W/Min.

BACKWARD WAVE OSCILLATORS—"O" TYPE

Type No.	Frequency Range (Mcs)	Delay Line Voltage Range (V)	Negative Control Grid (V)	Delay Line Current (mA)	Anode (V)	Anode (mA)	RF Power (mW)	Heater (V)	Heater (A)
QKB691	2000-4000	150-1500	0-100	15-45	100-250	0-20	70-1000	6.3	1.5
QK528	3600-7200	150-1500	0-100	10-45	50-175	0-10	20-400	6.3	1.0
QKB747	5200-5900	300- 800	0-100	20-40	100-250	0-20	100-200	6.3	1.0
RK7407	6700-11,400	20- 300	0-250	15-35	100-200	0-20	20-300	6.3	1.3

BACKWARD WAVE OSCILLATORS—"M" TYPE

Type No.	Frequency (Mcs)	Min Power (W)	Delay Line Volt. (Kv)	Delay Line Current (mA)	Accelerator Volt. (V)	Sole Volt. (V)	Grid Volt. (V)	Heater Volt (V)	Heater Current (A)
QK625	2500- 3300	250	2.3-5.0	300	1000	– 850	0	10	1.73
QK634	8150-11000	200	2.0-5.2	275	1500	–1600	–600	10	1.50

RAYTHEON COMPANY
Microwave and Power Tube Division

RAYTHEON

For Portable Communication...

NEW RAYTHEON CK7246

1.25 VOLT SUBMIN TRIODE

OPERATES TO 500 MC.

This Raytheon filamentary subminiature triode was developed under U. S. Signal Corps contract, and is now commercially available for use in battery-operated communications equipment. Circuit applications include:

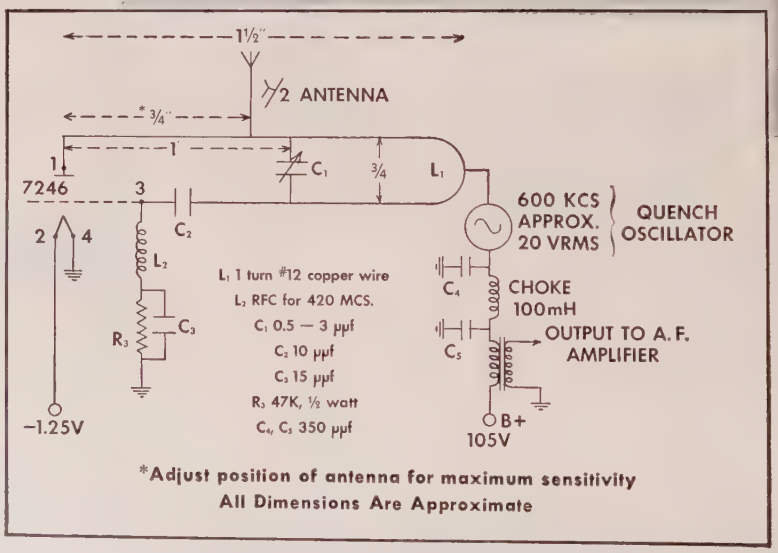
- **Superregenerative detector**
- **High frequency oscillator**
- **Class C amplifier**
- **Frequency multiplier**
- **Mixer**

TYPICAL OPERATING CHARACTERISTICS
Class A Amplifier

Filament voltage (dc)	1.25 v.
Filament current	150 ma.
Plate voltage	105 v.
Plate current	4.5 ma.
Grid voltage	−2.5 v.
Transconductance	2700 μmhos
Amplification factor	22

TYPICAL OPERATING CONDITIONS
420MC. Superregenerative Detector

Filament Voltage DC	1.25 v.
Filament Current	150 mA.
Plate Voltage (B+)	105 v.
Plate Current	4.5 mA.
Sensitivity	5 to 10 μV.



TYPE 7246 — 420MC. SUPERREGENERATIVE DETECTOR

Small order and prototype quantities available directly from your local Raytheon electronic parts distributor

RAYTHEON ®

RAYTHEON COMPANY **Industrial Components Division**

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Government Sales: Boston • Dayton • Washington

RAYTHEON CONTROL KNOBS
ELECTRICAL COMPONENTS AND PANEL HARDWARE

9 styles in 6 sizes

ROUND | SKIRTED ROUND | DIAL SKIRTED ROUND | POINTER | SKIRTED POINTER | CRANK KNOB

NEW!

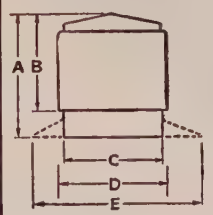
DIAL SKIRTED BAR KNOB | PLAIN BAR KNOB

AVAILABLE MODELS FOR 1/4" SHAFTS

Description	Catalog Numbers					
Style	50 Series	70 Series	90 Series	125 Series	175 Series	225 Series
Round	50-1-1	70-1-2	90-1-2	125-1-2	175-1-2	225-1-2
Skirted Round	50-2-1	70-2-2	90-2-2	125-2-2	175-2-2	225-2-2
Dial Skirted Round	50-3-1	70-3-2	90-3-2	125-3-2	175-3-2	225-3-2
Pointer	50-4-1	70-4-2	90-4-2	—	—	—
Skirted Pointer	50-5-1	70-5-2	90-5-2	—	—	—
Crank	—	—	—	125-6-2	175-6-2	225-6-2
Bar, Plain	—	70-7-2	—	125-BK-2	—	—
Bar, Dial Skirted	—	70-8-2	—	—	—	—

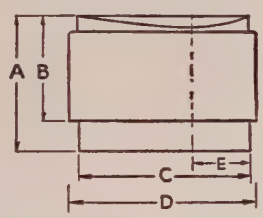
Cat. Nos. above for mirror finish. For matte finish, add "G" to each number.
50 series available 1/8" shaft only.

ROUND & DIAL



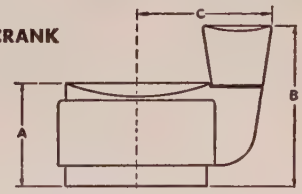
Series	A	B	C	D	E
70	.80	.62	.65	.72	1.14
90	1.03	.80	.83	.93	1.51
125	.87	.70	1.16	1.27	1.82
175	1.09	.85	1.67	1.77	2.45
225	1.11	.89	2.16	2.27	3.01

POINTER



Series	A	B	C	D	E
70	.80	.62	.94	1.06	.32
90	1.03	.80	1.23	1.38	42

CRANK

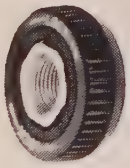


Series	A	B	C
125	.87	1.38	1.09
175	1.09	1.77	1.50
225	1.11	1.80	1.75

Standard Test Jack
Rugged, high quality construction • Beryllium copper spring pin contact • 9 colors available for circuit coding • Meets the requirements of MIL-STD-242A (ships)

Printed Circuit Test Jacks
Specially designed for printed circuit use • Accepts standard 0.080" test prod • Simple mounting—just insert and dip-solder • 9 brilliant insulator colors for circuit coding

Subminiature Test Jack
Fixed or snap-in contact types available • Fast, easy expansion mounting • Accept standard 0.080" test prod • Colored insulators for circuit coding



Knob Lock
Prevents control movement by shock or vibration • Replaces potentiometer mounting hardware • Neat appearance—matches standard Raytheon knobs • Available in Mirror or Matte finish

Binding Posts
Provides 5-way connection • High strength nylon and brass construction • Accept standard 0.080" test prod • Available in black or red

Shaft Lock
For use with screwdriver-adjusted controls • Constant friction drag prevents accidental rotation • Provides seal against dirt and moisture • Replaces standard mounting hardware

Captive Hardware
Stainless steel construction • Wide assortment of stock sizes • Meets government specifications • Neoprene gasket provides dirt and moisture seal.

Terminal Board Bracket
Provides rigid support under shock or vibration •Mounts single or double panels • Meets military specifications • Cold-rolled carbon steel, cadmium plated.

Fuse and Resistor Clip
Ejector and non-ejector types. Positive mechanical lock. Low contact resistance. Simple to install and use. Meets requirements BuShips Spec 16E4 and MIL-E-16400 (ships). Variety of sizes.

RAYTHEON

Excellence in Electronics

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Where do you go for fast electronic parts delivery?

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RAYTHEON

RAYTHEON COMPANY

DISTRIBUTOR PRODUCTS DIVISION • WESTWOOD, MASS.

RECEIVING AND INDUSTRIAL TUBES • SEMICONDUCTOR PRODUCTS • MECHANICAL COMPONENTS
RAYTHEON/MACHLETT POWER TUBES • VOLTAGE REGULATORS • MICROWAVE TUBES • CAPTIVE HARDWARE

Machlett Electron Tubes for Broadcasting, Communications & Navigation Industry, Radar & Special Purposes

MEDIUM & HIGH POWER TRIODES

(A Partial Listing)

TYPE	CATHODE VOLTS	CATHODE AMPS	A. F. MU	MAXIMUM ANODE RATING VOLTS	AMPS	INPUT WATTS	DISS. WATTS	FULL INPUT FREQ. MCS.	COOLING
ML-354	12.0	220	25	15000	12	150000	75000	20	W
ML-356	7.5	170	20	12500	6.0	60000	22500	25	W
ML-357B	10.0	10	30	4000	0.5	1800	400	100	C
ML-880	12.6	315	20	10500	6.0	60000	20000	25	W
ML-891	22.0	60	8.5	12000	2.0	18000	6000	1.6	W
ML-891R	22.0	60	8.5	10000	2.0	15000	4000	1.6	F-A
ML-892	22.0	60	50	15000	2.0	30000	10000	1.6	W
ML-892R	22.0	60	50	12500	2.0	18000	4000	1.6	F-A
ML-893A	20.0	183	34.5	20000	4.0	70000	20000	5	W
ML-893AR	20.0	183	34.5	20000	4.0	70000	20000	5	F-A
ML-5530	5.0	55	26	5000	1.75	8750	4000	110	F-A
ML-5530-H	5.0	55	26	8500	1.75	10000	4000	30	F-A
ML-5531	6.3	92	24	10500	3.75	30000	10000	30	F-A
ML-5541	7.5	57	26	8500	2.75	23000	10000	110	F-A
ML-5604	11.0	176	19.5	12500	3.0	32500	10000	25	F-A
ML-5606	22.0	60	50	14000	2.0	25000	10000	1.6	W
ML-5619	11.0	176	19.5	12500	3.0	32500	20000	25	W
ML-5658	12.0	310	20	12500	5.0	60000	20000	15	W
ML-5666	11.0	120	21	10000	2.0	20000	12500	22.5	W
ML-5667	11.0	120	21	10000	2.0	20000	7500	22.5	F-A
ML-5668	22.0	60	50	14000	2.0	28000	20000	5	W
ML-5669	22.0	60	50	14000	2.0	28000	10000	5	F-A
ML-5681	12.0	220	25	15000	12.0	150000	75000	30	W
ML-5682	16.5	325	30	16000	20.0	300000	120000	30	W
ML-5736	6.0	60	22	5000	1.4	5000	2500	60	F-A
ML-6256	12.6	27	21	5500	1.5	7000	5000	110	W
ML-6257	12.6	27	21	5500	1.5	7000	5000	110	W
ML-6258	12.6	27	21	5500	1.5	7000	3000	40	F-A
ML-6420	7.0	85	20	10000	2.2	20000	12500	30	W
ML-6421	7.0	85	20	10000	2.2	20000	10000	30	F-A
ML-6422	7.0	85	90	12500	2.5	30000	20000	30	W
ML-6423	7.0	85	90	12500	2.5	30000	12500	30	F-A
ML-6424	7.0	120	20	12500	3.5	40000	20000	30	W
ML-6425	7.0	120	20	12500	3.5	40000	12500	30	F-A
ML-6426	8.0	200	20	12500	8.0	80000	40000	30	W
ML-6427	8.0	200	20	12500	7.0	80000	20000	30	F-A
ML-6576	7.5	170	5.5	12000	5.0	45000	22500	25	W
ML-6623	6.0	60	22	5000	1.4	5000	2500	30	F-A
ML-6696	13.0	205	20	16000	11	120000	60000	30	W
ML-6697	13.0	205	20	16000	11	120000	35000	30	F-A
ML-7120	7.0	85	4.4	10000	2.2	20000	12500	30	W
ML-7121	7.0	85	4.4	10000	2.2	20000	10000	30	F-A
ML-7124	8.0	200	4.4	12500	8.0	80000	40000	—	W
ML-7125	8.0	200	4.4	12500	4.5	55000	20000	—	F-A
ML-7479	8.0	200	20	12500	8.0	80000	50000	30	V
ML-7482	16.0	450	55	20000	30.0	600000	200000	30	V

MEDIUM POWER TETRODE

ML-7007	5.0	170	10	6500	4	24000	10000	220	F-A

UHF TRIODES

ML-2C39A	6.3	1.0	100	1000	0.125‡	100	100	2500	F-A
ML-2C39WA	5.8	1.0	100	1000	.125‡	100	100	2500	F-A
ML-2C41	6.3	1.03	100	3500†	4.0†	35	35	3000	F-A
ML-3CX100A5	6.0	1.0	100	1000	0.125‡	100	100	2500	F-A
ML-6442	6.3	0.9	50	3000†	2.5†	7.5	7.5	3500	C
ML-7209	6.0	1.0	100	3500	4.0*	35	35	3000	F-A
ML-7210	6.3	0.85	75	3500†	3.0†	26	26	3000	F-A
ML-7211	6.3	1.3	80	1000	.19‡	150	100	2500	F-A
ML-7698	6.3	1.3	80	3500†	5.0†	44	20	3000	C

HIGH VACUUM RECTIFIER and CLIPPER DIODES

TYPE	CATHODE VOLTS	CATHODE AMPS	ANODE RATINGS INV. PKV	ANODE RATINGS PEAK MA	INSULATION	COOLING
ML-102A	20	19.0	75	750	Air	C
ML-141	5.5	6.5	125	750	Oil	R-C
ML-142	3.8	6.6	100	250	Oil	R-C
ML-148	5.7	6.6	150	1000	Oil	R-C
ML-199	12	23	110	10000	Air	C
ML-322	6.3	.95	.8	600	Air	C
ML-5575/100	20	24	150	1000	Air	C
ML-5576/200	20	32	150	2500	Air	C
ML-6908	12	23	150	10000	Oil	R-C

SWITCH AND MODULATOR TUBES

	CATHODE VOLTS	CATHODE AMPS	A. F. MU	MAXIMUM RATINGS HOLD-OFF VOLTAGE	PEAK CATHODE CURRENT AMPS	ANODE DISS. WATTS	COOLING
ML-7248 (Tetrode)	6.3	11.7	—	125000	2	200	O
ML-7249	6.3	11.7	—	125000	2	500	O
(Tetrode)	6.3	11.7	—	65000	2	300	F-A
ML-6544 (Shielded Grid Triode)	6.0	60	90	20000	75	1000	F-A
ML-7002 (Shielded Grid Triode)	6.0	85	300	60000	60	2000	O
ML-7003 (Shielded Grid Triode)	6.0	60	200	40000	60	3000	F-A

STORAGE TUBE

(Electrical in-electrical out Scan Converter Tube)

	DIAMETER:	LENGTH:	DEFLECTION METHOD Write Gun	DEFLECTION METHOD Read Gun	FOCUSING METHODS Write Gun	FOCUSING METHODS Read Gun
TMA 403X	3.0	26.6	Magnetic	El. static	El. static	El. static

LEGEND:

R-C . . . Radiation and Convection
W . . . Water
F-A . . . Forced Air
C . . . Convection
O . . . Oil
V . . . Vapor
A.F. . . . Amplification Factor
‡ . . . D-C Cathode Current
* . . . Duty Cycle: 0.0033
† . . . Duty Cycle: 0.0025 max
§ . . . Hold-Off Voltage

TELEVISION CAMERA TUBES

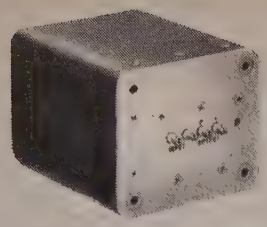
TYPE	PHOTOCATHODE SIZE DIAGONAL	DEFLECTION METHOD	SPECTRAL RESPONSE	SIGNAL OUTPUT	TARGET	GRID VOLTAGE G_1	G_2	G_3	G_4	G_5
5820 Image ORTHICON	1.8"	magnetic	S-10	3-24μa		−24 to −110	300	250 to 330	140 to 180	0 to 125
ML-7038A VIDICON	.63"	magnetic	S-18	.1-.3μa (2-14 ft-C)	50-110	−125	350	350	350	—
ML-7291A Broadcast VIDICON	.63"	magnetic	S-18	.1-.3μa (2-14 ft-C)	50-80	−125	350	350	350	—
ML-7351 High Sensitivity VIDICON	.63"	magnetic	peak at 6000A°	.1-.32μa (.1-1.0 ft-C)	40	−125	350	350	350	—

MACHLETT

THE MACHLETT LABORATORIES INC.
SPRINGDALE, CONNECTICUT

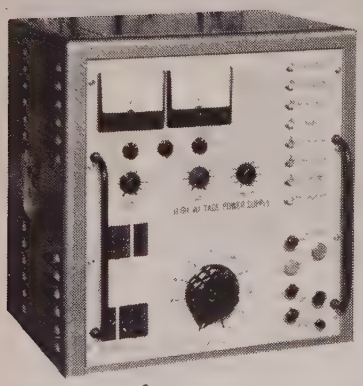
♦ TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



Model QM6.3-.32. Miniature Transistorized Regulated D-C Supply features regulation to ±0.05% for combined line and load variations. This is one of more than 180 miniature component-type power packs offered by Sorensen. They include, in addition to highly regulated d-c supplies, dc-to-ac inverters and dc-to-dc converters.

Model Q12-15A. One of the 15 Sorensen Q Series high-precision transistorized low-voltage supplies, features voltage regulation to ±0.05% for combined line or load variations. Models for 6, 12, 28 vdc out, with power capacities up to approximately 240 watts. Similar QR Series features precision regulation with wide output voltage adjustment range. Two models: 0-75vdc at 2 amps max and 0-36vdc at 4 amps max.



Model 2150-5 (Control Section). This is just one of a tremendous variety of Sorensen high-voltage d-c supplies, high-voltage a-c and a-c/d-c testers, and electrostatic generators. Models completely cover the voltage range from 1000 to 600,000 volts. Power outputs range up to 60 kilowatts.

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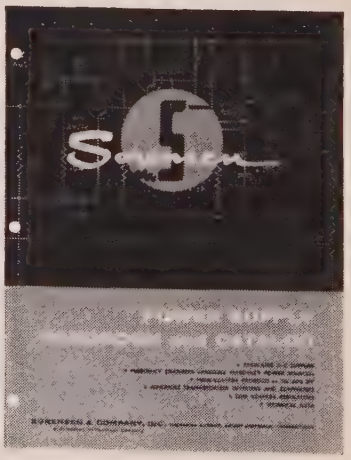

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CONTROLLED POWER PRODUCTS

...the widest line lets you make the wisest choice

COMPACT TRANSISTORIZED VOLTAGE REGULATED DC POWER SUPPLIES IN WIDE VOLTAGE AND CURRENT RANGES. Proven and improved design features endow these eleven new KEPCO models* with excellent voltage regulation, stability and response characteristics plus unusual compactness and longevity:

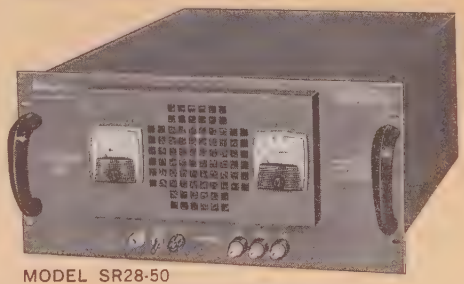
* MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION
HB-2	0-325	0-200 ma.	0.1%*
HB-4	0-325	0-400 ma.	
HB-6	0-325	0-600 ma.	
SR12-50	5-13	0-50	0.1%
SR28-50	24-32	0-50	
SR48-30	44-52	0-30	
SM14-30	0-14	0-30	0.1%*
SM36-15	0-36	0-15	
SM75-8	0-75	0-8	
SM160-4	0-160	0-4	
SM325-2	0-325	0-2	

*0.01% models available on special order
Meters optional on all HB and SM models.

3½"

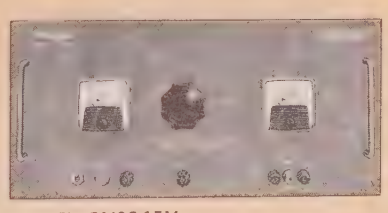
MODEL HB-6M

8¾"



MODEL SR28-50

8¾"



MODEL SM36-15M

TURN PAGE FOR ADDITIONAL LISTINGS

kepco inc.
131-38 SANFORD AVENUE • FLUSHING 55, N.Y. • IN 1-7000 • TWX #NY 4-5196

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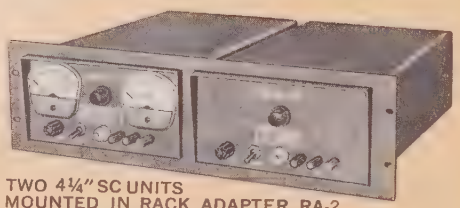
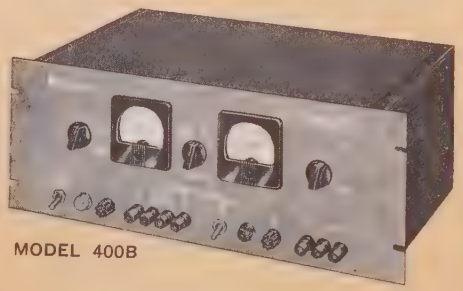
To Voltage Regulated DC Power Supplies by

DESIGN GROUP



TWO 4¼" SC UNITS MOUNTED IN RACK ADAPTER RA-2

MODEL 2SC32-1.5



MODEL 400B

kepco inc.

131-38 SANFORD AVENUE • FLUSHING 55, N. Y.
IN 1-7000 • TWX # NY 4-5196

TRANSISTORIZED DESIGN GROUP

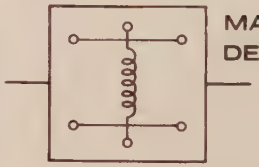
MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION
SC-32-0.5	0-32	0-0.5	0.01%
SC-32-1	0-32	0-1	
SC-32-1.5	0-32	0-1.5	
2SC-32-1.5	0-32	0-1.5	
Dual Output	0-32	0-1.5	
SC-32-2.5	0-32	0-2.5	
SC-32-5	0-32	0-5	
SC-32-10A	0-32	0-10	
SC-32-15A	0-32	0-15	
SC-60-2	0-60	0-2	
SC-60-5	0-60	0-5	
2SC-100-0.2	0-100	0-0.2	
Dual Output	0-100	0-0.2	
SC-150-1	0-150	0-1	
SC-300-1	0-300	0-1	
SC-18-0.5	0-18	0-0.5	0.1%
SC-18-1	0-18	0-1	
SC-18-2	0-18	0-2	
SC-18-4	0-18	0-4	
SC-36-0.5	0-36	0-0.5	
SC-36-1	0-36	0-1	
SC-36-2	0-36	0-2	
SC-3672-0.5	36-72	0-0.5	
SC-3672-1	36-72	0-1	
PSC- 5-2	0-7.5	0-2	0.02%
PSC-10-2	7.5-12.5	0-2	
PSC-15-2	12.5-17.5	0-2	
PSC-20-2	17.5-22.5	0-2	
PSC-28-1	22.5-32.5	0-1	
PSC-38-1	32.5-42.5	0-1	
HB-2	0-325	0-200 ma.	0.1%
HB-4	0-325	0-400 ma.	
HB-6	0-325	0-600 ma.	
SR12-50	5-13	0-50	0.1%
SR28-50	24-32	0-50	
SR48-30	44-52	0-30	
SM14-30	0-14	0-30	0.1%
SM36-15	0-36	0-15	
SM75-8	0-75	0-8	
SM160-4	0-160	0-4	
SM325-2	0-325	0-2	

VACUUM TUBE DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION
800B	#1 0-600	0-200 ma.	TO 0.01%
	#2 0-600	0-200 ma.	
	Parallel 1 & 2 0-600	0-400 ma.	
	Series 1 & 2 0-1200	0-200 ma.	
430D	#1 0-450	0-300 ma.	
	#2 0-450	0-300 ma.	
	Parallel 1 & 2 0-450	0-600 ma.	
	Series 1 & 2 0-900	0-300 ma.	
2400B	#1 0-150	0-5 ma.	
	#2 0-400	0-150 ma.	
	#3 0-400 Bias	0-150 ma.	
	Parallel 2 & 3 0-400	0-300 ma.	
	Series 2 & 3 0-800	0-150 ma.	
103	#1 0-300	0-75 ma.	unregulated
	#2 0-300	0-75 ma.	
	#3 −50 to +50	0-5 ma.	
	Parallel 1 & 2 0-300	0-150 ma.	
400B	0-400	0-150 ma.	TO 0.02%
	0-150 Bias	0-5 ma.	
730B	0-350	0-3 Amp.	
720B	0-350	0-2.25 Amp.	
710B	0-350	0-1.5 Amp.	
700B	0-350	0-750 ma.	
780B	0-600	0-3 Amp.	TO 0.01%
770B	0-600	0-2.25 Amp.	
760B	0-600	0-1.5 Amp.	
750B	0-600	0-750 ma.	
605	0-600	0-500 ma.	
	0-150 Bias	0-5 ma.	
615B	0-600	0-300 ma.	
	0-150 Bias	0-5 ma.	
2500	0-2500	0-50 ma.	TO 0.004%
1520B	0-1500	0-200 ma.	
1220C	0-1200	0-50 ma.	
1250B	0-1000	0-500 ma.	

VACUUM TUBE DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION
KR16	0-150	1.5 Amp.	0.1%
KR17	100-200	1.5 Amp.	
KR18	195-325	1.5 Amp.	
KR19	295-450	1.5 Amp.	
KR8	0-150	600 ma.	
KR5	100-200	600 ma.	
KR6	195-325	600 ma.	
KR7	295-450	600 ma.	
KR12	0-150	300 ma.	
KR3	100-200	300 ma.	
KR4	195-325	300 ma.	
KR10	295-450	300 ma.	
KR11	0-150	125 ma.	
KR1	100-200	125 ma.	
KR2	195-325	125 ma.	
KR9	295-450	125 ma.	



MAGNETIC DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION
KM236-15A	0.1-36	0-15	0.5%
KM236-30	0.1-36	0-30	
KM236-50	0.1-36	0-50	
KM251	2-14	30A or 240 W.	±1%
KM-252	5-35	12A or 240 W.	
KM-253	20-60	6A or 240 W.	
KM-254	30-90	4A or 240 W.	
KM-255	60-180	2A or 240 W.	

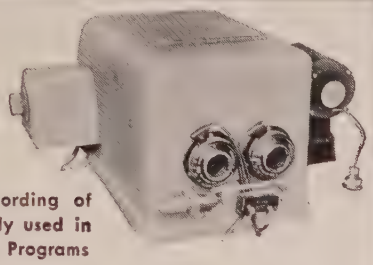
FOR DETAILED SPECIFICATIONS ON MORE THAN 100 STANDARD MODEL POWER SUPPLIES SEND FOR KEPCO CATALOG B-601

Allegany Instrument Company

MODEL 920 OSCILLOSCOPE CAMERA

A strip film camera for recording data represented on oscilloscopes under normal light conditions. Removable magazine permits all operations, except loading and unloading film, to be performed in a well lighted room. Data is represented on scope along horizontal axis. Film motion is vertical.

AUTOMATIC DRUM CAMERA MODELS 906 & 912



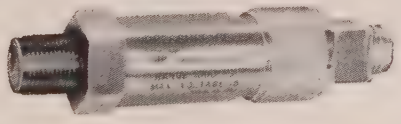
Designed for multi-channel recording of cathode ray oscillograph. Widely used in solid propellant fuel Rocket Test Programs for recording multi-component thrust measuring systems.

TRANSDUCER PRODUCTS

PRESSURE CELL ● MODEL 311

Uses bonded wire strain gages. Arranged in a full bridge configuration. Error due to non-linearity, .1% of full scale. Hysteresis, .15% of full scale. Non-repeatability, .1% of full scale. Thermal-sensitivity shift, .01%F.S./°F. Excitation, 10 to 15 volts AC or DC. Sensitivity, 3 mv/v. Capacities (psi) 500, 1000, 2000, 3000 and 5000.

PRESSURE CELL MODEL 310-C

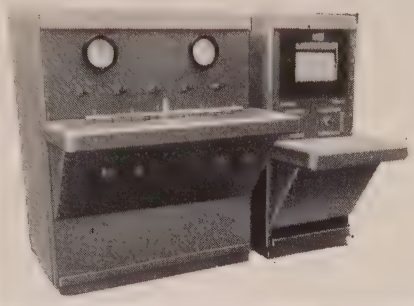


Hermetically sealed for long term stability and high accuracy. Accuracy of full scale output, ±.25%. Linearity, ±.25%. Capacities (psi) 500, 1000, 2000, 3000 and 5000. Nominal full scale output, 1 mv/v. Used for pressure measurements including rocket chamber, fuel pressure and other laboratory applications.

LOAD CELLS MODELS 321, 322, 341, 342, 344, 344LS

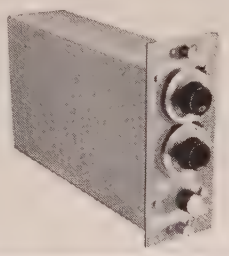
Models 321 and 322—compression load cells. Models 341 and 342—tension compression load cells. Accuracies: Models 321 and 341, ±.1% of full scale output. Models 322 and 342, ±.25% of full scale output. Models 344 & 344 LS (Linear Standard Series)—tension compression load cells, feature accuracies of ±.1% with special emphasis on linearity and low hysteresis. Accuracies guaranteed up to 150% of rated capacity and mechanical stability to 300% of full scale. Modulus and zero balance resistors are split for minimum error in electrical equivalent calibration techniques.

AUTOMATIC PRESSURE TRANSDUCER CALIBRATOR AUTOCAL 20-A



Semi-automatic, dynamic testing unit for calibrating wire strain pressure transducers under simulated load conditions. Presents data on XY recorder for linearity deviation, factor accuracy and hysteresis. Linearity deviation ±.1% full scale. Resolution, 1 to 10,000. Range 0 to 5000 psig in increments of 200 psig.

BRIDGE CALIBRATOR ● MODEL B-8

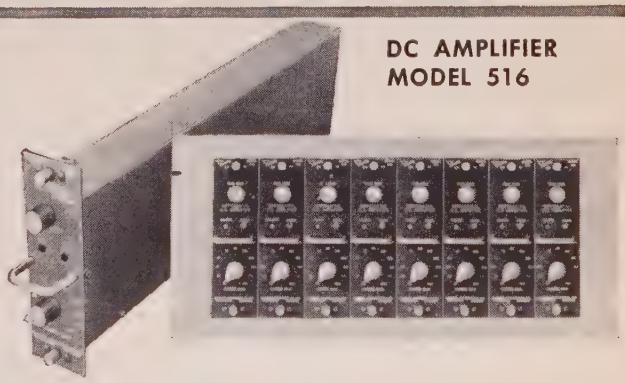


Provides a means for connecting a four arm or bridge type strain gage transducer to a power supply, balance network and electrical calibration network. Features use of eight wire double shunt or six wire single shunt electrical calibration. Permits zero suppression of initial weights of load (tare). Model shown is for rack mounting, also available as a self-contained instrument.

DC AMPLIFIER ● MODEL 512-A

Features high gain, low noise, low drift, wide frequency response, continously adjustable gain steps and chopper stabilization. Can be supplied as single case units or as six amplifier modules. Used for amplifying wire strain gage signals in the study of non-recurrent strain gage phenomena.

DC AMPLIFIER MODEL 516



A truly differential input amplifier. Solid state. Responds to a difference of potential between the two input terminals. Gain accuracy (DC), .5% or better. Noise is 5 microvolts P-P from 0 to 3 cps and 14 microvolts measured on a Ballantine 300 voltmeter from 0 to 40 kc. Chopper intermodulation less than .1%.

ALINCO

ALLEGANY INSTRUMENT COMPANY, INC. 1091 Wills Mountain, Cumberland, Md. Parkview 4-1200
regional sales offices: Palo Alto, California (Phone: DAvenport 1-1317) • Washington, D. C. (Phone: WHitehall 2-5506)

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When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

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We'll prove **ART WIRE'S** highspeed automatic production means UNIFORM PRECISION... LOWER UNIT COSTS!

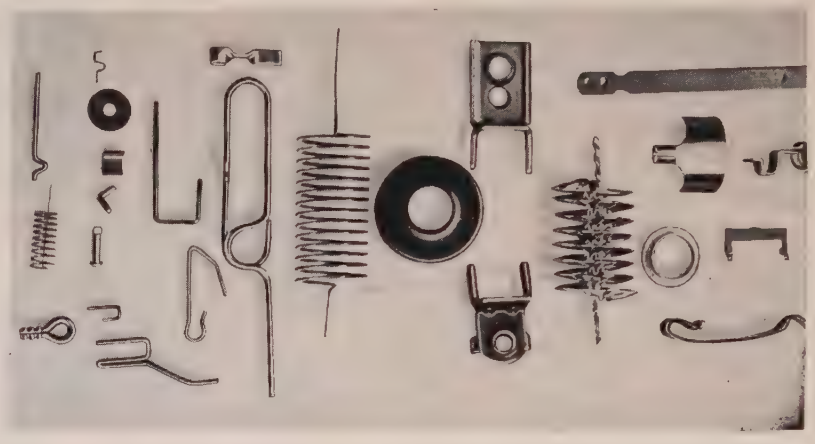
WIRE FORMS AND METAL STAMPINGS

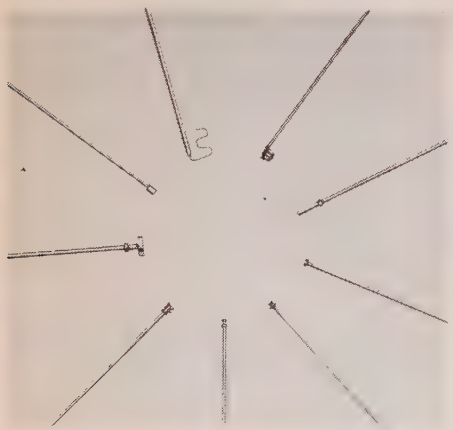
Straightening and Cutting: Perfect straight lengths to 12 ft. Diameters: .0015 to .125.

Wire Forms: .0015 to .125 diameter.

Small Metal Stampings: .0025 to .035 thickness, .062 to 3 inches wide.

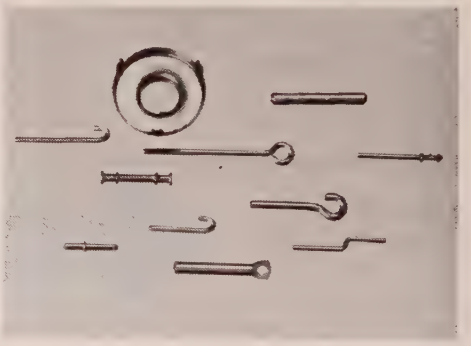
We specialize in production of parts for electronic, cathode ray tubes and transistors.





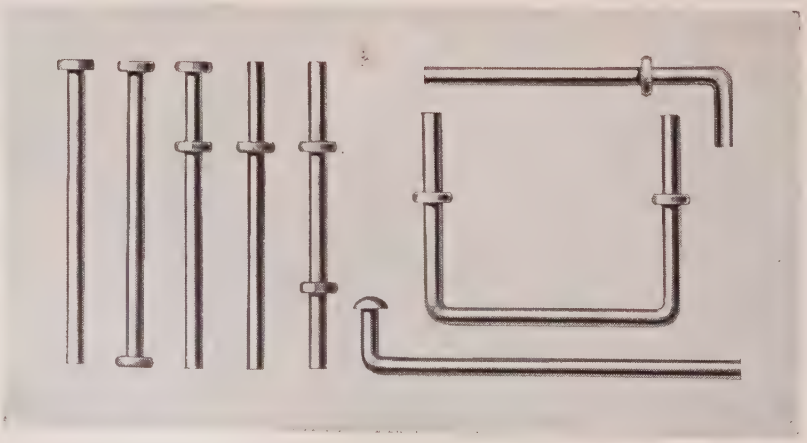
TERMINAL LEADS FOR RESISTORS, TRANSISTORS, CAPACITORS, ETC.
These components can be supplied with coiled heads, flatted heads, wound heads, heads upset and flanged—with wide possibilities for variation in size and length.

FOR THE HERMETIC SEAL INDUSTRY
Headed pins, flanged pins, base pins. Straight wires with rounded ends. Parts made of Kovar, Rodar, Therlo and other glass seal alloys.



UPSET PINS

Continuous uniformity from the first to the millionth unit. In a wide variety of metals and alloys, diameters from .010 to .090. Thickness of upset flange on head can vary from .010 inch on fine wire to .062 inch on heaviest wire. Flanges precision-positioned to your specifications. Flanges and heads with rounded edges.



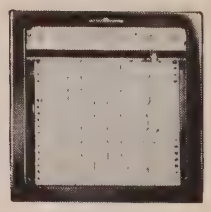
Send for literature with complete information.

art wire and stamping co.
18A Boyden Place, Newark, New Jersey

CURTISS-WRIGHT STRIP CHART RECORDERS

A.

B.



C.

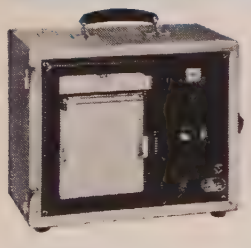
Size	Price	Model	Case Dimensions Width	Height	Depth	Wt. Lbs.	Chart Paper (72' length)
A. Standard Size (1 to 3 pens)	$383 to $890	Model 81—portable Model 82—flush or projecting	7½"	9 13/16"	7⅞"	19	Chart width: 5½" Writing width: 1 pen 4 23/32" 2 pens 2x2 5/16" 3 pens 3x1 5/16"
B. Double Size (2 to 6 pens)	$770 to $1430	Model 83—portable Model 84—flush or projecting	12¾"	9 13/16"	8¾"	26	Chart width: 10⅝" Writing width: 2 pens 2x4 23/32" 3 pens 3x2¼" 4 pens 4x2 5/16" 5 pens 5x1 9/16" 6 pens 6x1 5/16"
C. Miniature Square (Single pen only)	$330 to $408	Model 85—flush mount only	5⅝"	5⅝"	12¼"	16	Chart width: 4 5/16" (length 53 ft.) Writing width: 4"

FEATURES

- Up to six channels available
- Inkless and ink recording
- Rectilinear recording
- Three-speed transmission plus 60:1 speed change
- Lightweight, compact design
- Superb workmanship

		DC	AC (Rect.)	AC (Dynamometer)
Three speed transmission with choice of: ½-1½-3 in/hr or min 1-3-6 in/hr or min 2-6-12 in/hr or min 4-12-24 in/hr or min ½-1½-3 in/min 1-3-6 in/min 2-6-12 in/min 4-12-24 in/min	Drive mechanisms: a) Synchronous motor, 60 cps, 115 or 230V with or without 60:1 speed change b) Spring drive c) AC-DC motor with spring* d) Synchronous motor with spring* e) Phantom drive *Power reserve 4-12 hours	Accuracy of indication .....±1% full scale Accuracy on chart ..±2% full scale Typical electrical characteristics .....1 ma, 1500 ohms Response time .....1.5 to 0.6 sec.	±1.5% full scale ±2.5% full scale 1 ma, 40K ohms 1.5 seconds	±1.5% full scale ±2.5% full scale 10-20 VA consumption 1.5 seconds

MODEL 6603 MILLIVOLT RECORDER



is a combination of a Curtiss-Wright Recorder and self-balancing dc amplifier Model 6601. It is specifically suited for recording of low-level, low-impedance signals. Seven input ranges (2, 5, 10, 20, 50, 100 and 200 mv) can be selected by a front-panel switch. The accuracy is 1.5% except for the 2 mv range where it is 3% of full scale. The preamplifier has exceptional zero stability due to its self-balancing principle of operation.

Available in portable oak carrying case (13¼" x 11⅛" x 11"). Weight: 40 lbs.

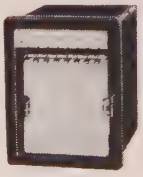
PRICE $645.

MODEL 804 PORTABLE AC MULTI-RANGE RECORDER

has a total of 9 ac ranges with a maximum of 15A for direct connection and 600A with current transformer Model 50-001 (not included in price). The recorder has a moving-coil movement and rectifier and therefore is calibrated for sinusoidal ac signals. Weight: 33 lbs. in oak case.

RANGES: 6, 15, 60 ma, 1.5, 6, and 15 amp.
60, 150, 600 amp. with current transformer 59-001
150, 300, and 600V **PRICE $635.**

EXPANDED SCALE RECORDERS



are available in the following ranges: 95V to 125V, 195V to 250V, 360V to 480V. Other expanded scales are available on special order. **PRICE $375 to $995.**

THREE-RANGE VOLTAGE RECORDERS

(150, 300, 600V) are available in all four sizes either ac or dc. DC or rectifier-type ac instruments can be supplied.

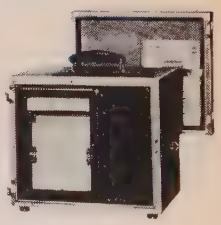
PRICE $345 to $1000.

OPERATIONS RECORDERS

provide 4, 8 or 16 channels of on-off recording. Ink recording only.

PRICE $350 to $675.

MODEL 802 PORTABLE UNIVERSAL AC-DC RECORDER



has a total of 23 ranges and is the most versatile recorder available. It consists of a recorder with a moving-coil movement and rectifier plus multipliers and range switches, all built into a portable oak case weighing only 36 lbs. It records up to 15A and up to 600V, both dc and ac. A clamp-type current transformer is available at extra cost to increase the ac range from 15A to 300A. A 50 mv connection for shunts is also provided.

Current transformers with 5A secondary can be connected to the 6A range.

RANGES: 30, 150, 600 ma, 1.5, 6, and 15A ac and dc
30, 75, 150, 300, and 600V ac and dc (33 ohms/V)
50 mv dc for use with separate shunts.

Includes a pair of calibrated flexible leads 3 ft. long and standard accessories. 500 ma consumption for the 50 mv range.

Portable oak case size: 13¾" x 11¾" x 11". Weight: 36 lbs. **PRICE $735.**

MODEL 805 PORTABLE UNIVERSAL WATTAGE RECORDER

can be used to record effective power, single-phase or three-phase. It has a three-element dynamometer type movement which enables accurate readings of unbalanced four-wire three-phase systems.

Voltage ranges can be selected by a switch. The following connections can be made:

Unbalanced four-wire three-phase system (with 3 current transformers).
Unbalanced three-wire three-phase system (with 2 current transformers).
Balanced four-wire three-phase system (with 1 current transformer).
Single-phase system (with 1 current transformer).

Frequency range: 15 to 70 cps.

Voltage	Current circuit: 5 amp. Three-phase ranges
110V	1 kw
220V	2 kw
440V	4 kw
550	5 kw

Power consumption: approximately 6.5 VA per current circuit. The recorder including multipliers and switches is mounted in an oak carrying case (13¾" x 11½" x 11") but can also be supplied for panel mounting including separate accessory box. **PRICE $800.**

PRINCETON DIVISION

CURTISS WRIGHT

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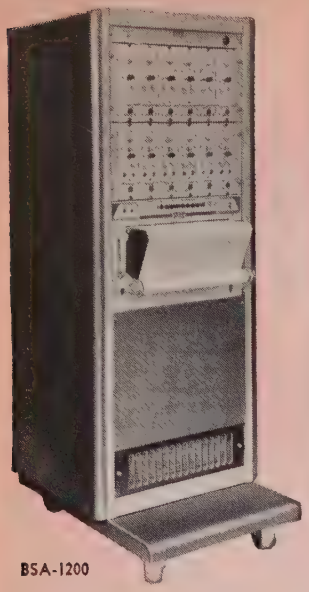
RECORDER SYSTEMS



BSA-1200

MASSA MORE DATA PER DOLLAR

Recording Systems

THE ONLY SOURCE FOR RECTILINEAR HIGH SPEED INK OR ELECTRIC WRITING

MULTICHANNEL SYSTEMS

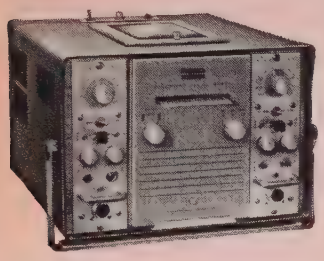
All 4, 6, 8, and 12 channel recording systems, employ the exclusive patented Massa Oscillograph units. Ink or electric writing in rectangular coordinates is available in either 20mm or 40mm amplitudes. Individual transistorized driver amplifiers are provided for each channel.

A wide choice of interchangeable plug-in preamplifiers are available to satisfy every recording requirement. Eighteen push button speeds from ½ cm/hr to 200 mm/sec.

DRIVER AMPLIFIER Model DA-101

INPUT ±1 volt for full scale output (±20mm). OUTPUT ±600ma max. into 20 ohm lead (max.). DRIFT Less than ½% of full scale for ±10% line voltage changes and ambient temperature changes of 20° to 40° C. GAIN (Transconductance) ±1 volt input gives ±560 ma output.

Write for bulletins on Massa Recorders



BSA-250

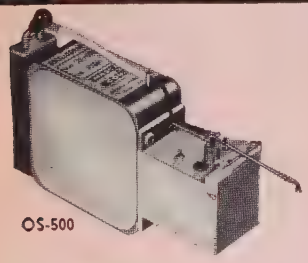
2 CHANNEL PORTABLE

Available in 20mm (Model BSA-200) or 40mm (Model BSA-250) amplitudes. These recorders known as the Massa Meterites are the first completely portable 2 channel oscillographic recording systems adaptable to any and all applications from DC to 200 cycles by interchangeable plug-in preamplifiers — DC, AC, Carrier, and Chopper type.

Other features include transistorized driver amplifiers which may be used differentially or single ended; six chart speeds covering the range of ½ to 200mm/sec; exclusive patented Massa rectilinear direct ink writing oscillographs; reproducible ink traces on inexpensive rectangular coordinate chart paper.

All oscillographs are designed for interchangeable electric stylus permitting electric writing if desired.

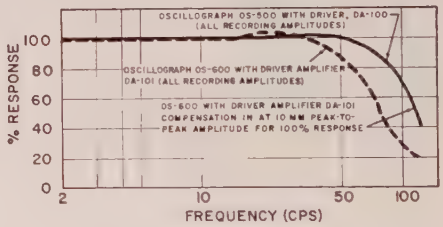
Dimensions — 14" W x 10" H x 16" D; Weight — Approx. 35 lbs., depending upon preamplifiers.

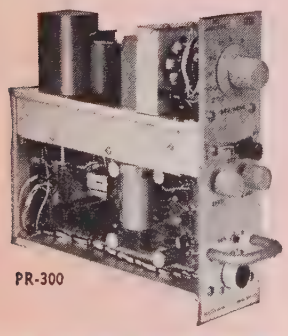


OS-500

OSCILLOGRAPH UNITS

The patented Massa Oscillographs employ an acoustically damped electrodynamic system coupled to a linkage arrangement which produces true rectilinear displacement of the writing pen. Oscillographs available in two models, OS-500 (full scale 20mm) and OS-600 (full scale 40mm.)





PR-300

PREAMPLIFIERS

PREAMPLIFIERS* (When used in a Massa Recording System)

MODEL	PR-100 (Low gain DC)	PR-200 (Med. gain DC)	PR-300 (High gain DC)	PR-400 (Carrier)
SENSITIVITY	100 millivolts/mm to 200 v/cm.	5 mv/mm to 20 v/cm.	100 microvolts/mm to 2 volts/cm.	10 microvolts/mm (one active arm) Gauge Factor = 2.
RANGE SETTINGS	.1 to 20 volts/mm. in 8 steps	.05 to 20 v/mm or v/cm. in 9 steps	.1 to 200 millivolts/mm. in 11 steps	1, 2, 5, 10, 20, 50, 100, 200. in 8 steps
DRIFT	Less than 1/10 mm/hr.	Less than 2 mv equivalent input/hr at Max. Gain.	± 5 microvolts equivalent input/hr.	1/20 mm/hr.
INPUT IMPEDANCE	10,000 ohms/volt.	5 megs single ended, 10 megs differential.	500,000 ohms, min.	2,500 ohms.
CALIBRATION (internal)	1 volt.	½ volt.	1 millivolt.	100 microvolts equivalent input or 1% of full load transducer rating.
CARRIER FREQUENCY				Choice: Standard: 2,500 cps Optional: 500, 1,000 cps.

*Zero Suppression may be supplied on all preamplifiers with the exception of the PR-100.

MASSA
A DIVISION OF
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HINGHAM, MASSACHUSETTS

MASSA VIBRATION AND SOUND PRESSURE

Measurement Equipment

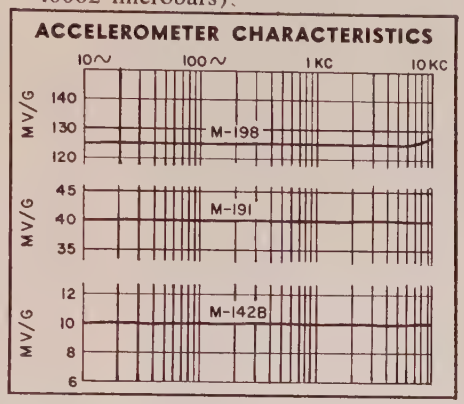
THE ONLY SOURCE FOR EMPLOYING ADP CRYSTALS AS THE SENSOR FOR . . .

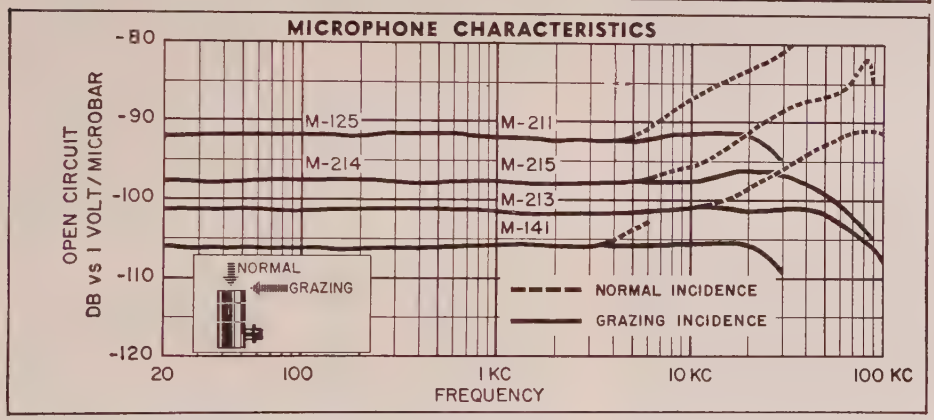
ACCELEROMETERS AND SOUND PRESSURE MICROPHONES

Ammonium dihydrogen phosphate (ADP) crystal provides the best known piezoelectric transducer element to achieve Reliability, Stability and Accuracy. Use of this sensor element, together with rugged mechanical construction, assures reliable performance and extreme stability with time and temperature and are ideal for transient measurements.

The Massa Accelerometers have frequency ranges up to 90,000 cps and dynamic ranges from .001 to 2000g's.

The Massa Microphones have frequency ranges of 10 cps to 90,000 cps. The microphones are linear to sound pressures in excess of 200 db (re .0002 microbars).





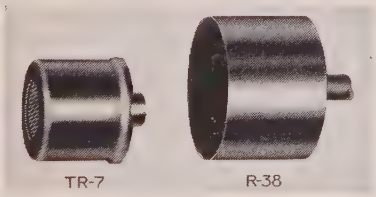
Write for bulletins on Massa Accelerometers and Sound Pressure Microphones

TRANSDUCERS

SONAR — Massa has long been recognized as a leading designer and manufacturer of sonar transducers. Tens of thousands of transducers have been produced ranging from low cost depth sounding units to elaborate beam scanning types used in many U. S. Navy sonar systems. The M-115B has been in wide use as an underwater reference measurement standard for 15 years.

A wide range of hydrophones are available employing ADP (ammonium di-hydrogen phosphate) crystal, magnetostriction, or polarized ceramic elements. ADP transducers were created for highly stable characteristics and accurately controlled beam patterns. Polarized ceramic and magnetostriction transducers have been developed for lower cost and less critical applications.

Special facilities available for all frequency ranges from 5 cps to 500 KC and acoustic power outputs ranging up to many kilowatts.



ULTRASONIC

Low cost, ultrasonic transducers are available for use in remote control and speech carrier applications. Several hundred thousand units are now in use for remote control of television sets. Various models have been produced for other applications, such as garage door openers, burglar control systems, etc., operating in the ultrasonic frequency ranges.

Write for Bulletins on Massa Sonar or Ultrasonic Transducers

Massa also manufactures associated accessories for complete Recorder, Vibration and Sound Pressure Measurement Systems, available for immediate delivery.

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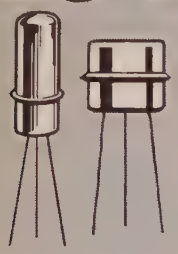
The world's most complete



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Philco Transistors have earned a wide reputation for reliable performance and for greatly expanding the design potentials for low, medium and high frequency circuitry. The complete Philco line includes types for tuned amplifiers and related circuits . . . untuned amplifiers . . . computer switching circuits . . . non-computer switching circuits . . . and entertainment product applications. All are designed and engineered to meet exacting specifications . . . and are manufactured to the highest standards of uniformity. Philco sales engineers will gladly assist you in selecting the right transistors to meet your requirements. When you need transistors or transistor information consult Philco first.

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SURFACE BARRIER TRANSISTORS (SBT**)

TYPE	GAIN h_{fe}	FREQUENCY f_{max} in mc	APPLICATIONS
2N128	40	60	General communications; MIL specifications
2N240	30	Switching rates 20mc	High-speed switch; controlled hole storage and saturation characteristics; MIL specifications
2N344	22	50	General purpose; narrow beta spread (11-33)
2N345	35	50	General purpose; similar to 2N344 with higher beta
2N346	20	75	General purpose; like 2N344 and 2N345 but higher frequency

MICRO ALLOY TRANSISTORS (MAT*)

TYPE	GAIN h_{FE}	FREQUENCY f_{max} in mc	APPLICATIONS
2N393	95	60	High-speed, high-gain switch; MIL specifications
2N1122	Min 25	60	High-voltage, high-speed switch
2N1122A	Min 25	60	Higher voltage version of 2N1122
2N1411	75	f_T 60	High frequency switch MIL specs
2N1427	75	f_T 75	General purpose, high-speed switch

MICRO ALLOY DIFFUSED-BASE TRANSISTORS (MADT*)

TYPE	GAIN	FREQUENCY f_{max} in mc	APPLICATIONS
2N499	10 db @ 100 mc	320	VHF amplifier; MIL specifications
2N501	h_{FE} 35	Switching rates 20 mc	Ultra-fast switch; typical t_r 13 mμsec, t_s 7 mμsec, t_f 7 mμsec
2N501A	h_{FE} 35	Switching rates 20mc	Rated at 100°C; MIL specifications
2N502	10db @ 200 mc	650	VHF amplifier
2N502A	11.5db @ 200 mc	750	Rated at 100°C; MIL specifications
2N503	12.5db @ 100mc	420	VHF amplifier
2N504	46db @ 455kc	Minimum 50	IF amplifier; high level logic switch
2N588	14db @ 50mc	250	General purpose RF-IF amplifier
2N1158	25mw PO	at 200 mc	UHF power oscillator
2N1204	h_{FE} 60	f_T 400	High current switch & core driver
2N1494	h_{FE} 60	f_T 400	High current, high power switch & core driver
2N1495	h_{FE} 60	f_T 400	Higher voltage version of 2N1204
2N1496	h_{FE} 60	f_T 400	Higher voltage version of 2N1494
2N1499	h_{FE} 35	Switching rates 5 mc	High-speed, saturated switch
2N1500	h_{FE} 50	Switching rates 20 mc	Ultra-fast switch; typical t_r 13 mμsec, t_s 7 mμsec, t_f 7 mμsec

MINIATURE TRANSISTORS

TYPE	GAIN h_{fe}	FREQUENCY $f_{\alpha b}$ in mc	APPLICATIONS
2N207	100	2	Low level amplifier; particularly suited for hearing aid use; N.F.† 15db max

*Trademarks Reg. U.S. Pat. Off.
**Trademark Philco Corp.
†Noise Figure at 1 μv reference level across 1,000 ohms

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line of transistors!

TRANSISTOR CENTER U.S.A.®

FREQUENCY SPECTRUM

MINIATURE TRANSISTORS

TYPE	GAIN h_{fe}	FREQUENCY $f_{\alpha b}$ in mc	APPLICATIONS
2N207A	100	2	Low level amplifier; particularly suited for hearing aid use; N.F.† 10db max
2N207B	100	2	Hearing aid input stage; other extremely low noise applications; N.F.† 5db max
2N534	100	1	High voltage amplifier switch
2N535	100	2	Low-level amplifier and switch; N.F.† 10db max.
2N535A	100	2	Low-level amplifier and switch; N.F.† 5db max.
2N535B	100	2	Low-level amplifier and switch; N.F.† 0db max.
2N536	h_{FE} 150	2	Low level switch at pulse rates up to 150kc

SILICON SURFACE ALLOY DIFFUSED-BASE TRANSISTORS (SADT*)

TYPE	GAIN h_{fe}	FREQUENCY	APPLICATIONS
2N1199	h_{FE} 25	f_T125mc	NPN high-speed silicon switch; max t_r 70 mμsec, t_s 20 mμsec, t_f 40 mμsec
2N1267	11	24db at 4.3mc	NPN silicon amplifiers and oscillators
2N1268	20	25db at 4.3mc	
2N1269	50	26db at 4.3mc	
2N1270	11	24db at 12.5mc	NPN silicon amplifiers and oscillators
2N1271	20	25db at 12.5mc	
2N1272	50	26db at 12.5mc	
2N1472	h_{FE} 35	Switching rates 5mc	NPN high frequency silicon switch

SILICON SURFACE ALLOY TRANSISTORS (SAT*)

TYPE	GAIN h_{FE}	FREQUENCY f_T in mc	APPLICATIONS
2N495	h_{fe} 20	f_{max} 21mc	General purpose; MIL specs
2N496	16	20	High-speed switching; MIL specs
2N1118	h_{fe} 20	f_{max} 18mc	General purpose; MIL specs
2N1118A	h_{fe} 25	f_{max} 18mc	General-purpose amplifier, high beta (15-35)
2N1119	16	20	High-speed switching; MIL specs
2N1428	30	35	General purpose, low-cost, high-frequency, silicon amplifier and switch; TO-1 case
2N1429	30	35	Electrical equivalent of 2N1428 in TO-5 case

MEDIUM FREQUENCY TRANSISTORS

TYPE	GAIN h_{FE}	FREQUENCY $f_{\alpha b}$ in mc	APPLICATIONS
2N597	70	8	High-voltage general purpose amplifier and switch
2N598	125	10	400kc logic switching
2N599	175	18	Logic switching rates up to 1mc; core driver; MIL specifications
2N600	125	10	500kc switching; 1 watt peak power dissipation for 0.1 sec; stud mount

MEDIUM FREQUENCY TRANSISTORS

TYPE	GAIN h_{FE}	FREQUENCY $f_{\alpha b}$ in mc	APPLICATIONS
2N601	175	18	High-power core driver; typical rise time 0.1 μsec; stud mount
2N1123	70	5	High-voltage power amplifier and switch; stud mount
2N1478	70	8	300kc switching applications

PULSE AMPLIFIER TRANSISTORS

TYPE	GAIN h_{FE}	FREQUENCY $f_{\alpha b}$ in kc	APPLICATIONS
2N670	h_{fe} 100	700	High peak current pulse amplifier; relay driver
2N671	100	700	High power version of 2N670; stud mount
2N672	Min 20(SAT)	0.5 μsec max t_r	High-current switching core driver; controlled rise, fall and store times
2N673	Min 20(SAT)	0.5 μsec max t_r	High power version of 2N672; stud mount
2N674	h_{fe} 100	min 400	75 volt version of 2N670
2N675	100	min 400	75 volt version of 2N671

MEDIUM POWER TRANSISTORS

TYPE	GAIN h_{FE}	FREQUENCY $f_{\alpha b}$ in mc	APPLICATIONS
2N223	h_{fe} 110	0.6	Audio driver; exceptional beta lin..
2N1416	h_{fe} 110	0.6	Matched pair of 2N223's
2N224	90	0.51	Audio output; exceptional beta linearity
2N225	90	0.51	Matched pair of 2N224's
2N226	60	0.4	Audio output and switch; exceptional beta linearity
2N227	60	0.4	Matched pair of 2N226's
2N1124	h_{fe} 100	1	High-voltage, general-purpose industrial amplifier and switch
2N1125	h_{fe} 75	1.6	High-voltage, medium-frequency amplifier and switch
2N1128	h_{fe} 100	1	Exceptionally linear beta; audio driver and output
2N1129	165	0.75	General-purpose, high beta, audio and switch
2N1130	125	0.75	General-purpose audio and switch; exceptional beta linearity

POWER TRANSISTORS

TYPE	GAIN	FREQUENCY $f_{\alpha e}$ in kc	APPLICATIONS
2N386	33db at 5w PO	14	High-voltage, high-power amplifiers, servo amplifiers, converters and switches
2N387	33db at 5w PO	12	High-voltage, high-power amplifiers, servo amplifiers, converters and switches

REFERENCE CHART FOR PHILCO TRANSISTORS

Write for your free copy of this Handy Reference Chart.

PHILCO/LANSDALE DIVISION
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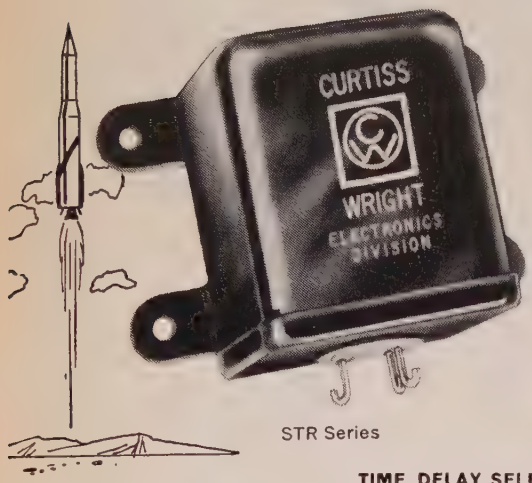
CURTISS WRIGHT

TIME DELAY RELAYS

SNAP-ACTION • INSTANT RESET • VOLTAGE AND TEMPERATURE COMPENSATED



STR Series

Precision built to meet a wide range of military and industrial requirements, these snap-action relays are factory pre-set for delays from 3 to 180 seconds. Features are small size, chatter-free, hermetically sealed with instantaneous resetting contacts. All are metal-cased except "G" and "K" series, glass.

G & K Series hermetically sealed in glass

H and S Series for military applications

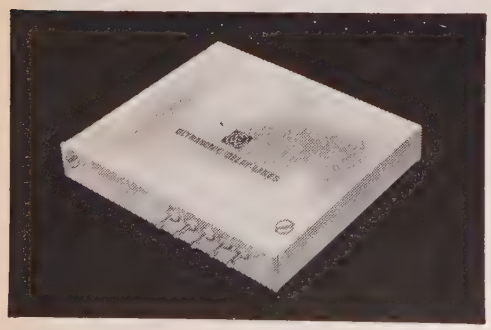
TIME DELAY SELECTION CHART

RELAY SERIES	"H"	"S"	"G & "K"	"IR"	"MR"	"CR"	"STR"
DELAY RANGE (SECS.)	3-180	3-60	3-60	20-180	3-60	3-180	10-180
CONTACT ARRANGEMENT	SPNO SPNC or	SPDT	SPDT SPST	SPNO	SPDT	DPDT	SPDT
CONTACT RATING (RESISTIVE LOAD)	3A-120AC 1A-28DC	3A-120AC 3A-28DC	2A-120AC 2A-28DC	2A-28DC	2A-28DC	5A-120AC 5A-28DC	2A-28DC
INPUT VOLTAGE	6.3, 26.5 117	6.3, 26.5 117	6.3, 26.5 117	22-32	28	28,117	22-32
INPUT FREQUENCY	AC or DC	AC or DC	AC or DC	DC	DC	AC or DC	DC
VIBRATION CPS	5-55 5-500	5-55	— —	5-500	5-500	5-55	5-500
AMBIENT TEMP. °C.	−65+125	−55+100	−55+85	−65+125	−65+125	−55+85	−65+125

WRITE OR PHONE FOR FREE CATALOG #260E

Special recommendations on your application requirements available.

DELAY LINES



Small, lightweight, hermetically-sealed magnetostrictive delay lines with delays from 5 to 12,000 microseconds. Ambient temperature range, —55° to +100° C. A ratio of delay to pulse rise time up to 800:1 with storage capacity up to 6,000 bits. Input and output impedances from 50 to 2,000 ohms with carrier or pulse frequencies up to one megacycle. An adjustment of ±3 microseconds is supplied on standard units. Taps are available with or without the adjustment feature. Withstand vibration to 500 cps at 15 g and shock to 50 g.

STEPPING MOTORS

DM SERIES

Bi-Directional
Dynamically Balanced
Temperature −65°F. to +165°F.
Vibration—20 g to 500 cps
Shock—30 g
Voltage—28V DC, other voltages available

For—Missile, Aircraft, Computors, and Navigational Devices—Flight Controls—Automation Feeds for Machine Tools and Controls for positioning and synchronization of aerial cameras, actuator for automatic pilots, controls for food processing machinery. Withstand severe environmental requirements, operate under high shock and vibration. Positive indexing and locking, low power requirement.

VOLTAGE: Standard voltage 28 volts DC, other voltages available upon request.
LIFE: In excess of five million operations in each direction at rated load.
TEMPERATURE: —65° F. +165° F.

RELIABILITY: The unit does not fail to convert a single pulse in 1,000,000 operations into equivalent angular rotation.
VIBRATION: 20 g to 500 cps.
SHOCK: 30 g for 11 milliseconds along each axis.

	ANGULAR ROTATION	PULSING RATE	WEIGHT	TORQUE
MODEL DMA	36° Bi-directional per pulse	To 40 pulses per second	8.5 oz.	8 in. oz.
MODEL DMB	30° Bi-directional per pulse	To 30 pulses per second	28 oz.	24 in. oz.

CURTISS WRIGHT
CORPORATION • ELECTRONICS DIVISION
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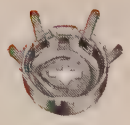
New

Space Age Hi Temp Military Control, Series [illegible]
1/8" dia. Variable resistor with infinite resolution and better stability and higher reliability than previously available in carbon-element type units. Uses new CTS-developed hi temp metal-ceramic resistance element.

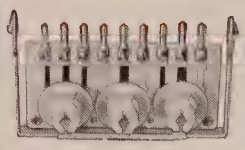
Burlington advertising

Low Cost Miniature Trimmer Pot, Series 110.
3/4" dia. preset wirewound 1/2-5,000 ohms resistance range variable resistor. Exceptional reliability due to several unique design features.



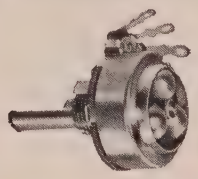
New

New



67% Smaller Side-By-Side Printed Circuit Ceramic Base Control, Type X153.
Compact space-saving self-supporting snap-in 2 or 3-section variable and fixed resistor network 1/3 the size of previous units designed for printed circuit applications.

Compact Vernier Variable Resistor, Type VA-45.
12-1/2 to 1 reduction. For fine tuning applications. Ball bearing rotation.



New

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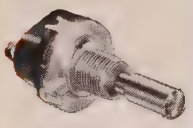
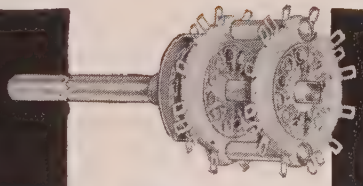


Separately Mounted Simple Design Pull-Push and Push-Push Switches, Types SK-1 and SJ.
13/16" dia. In separately mounted style for home appliances and other electrical and electronic applications.

Higher Reliability Micro-Miniature Composition Control, Series M250.
9/32" dia. For miniature transistor hearing aids, miniature radios, telephone equipment and industrial applications requiring tiny size and exceptional reliability.

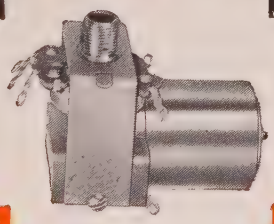
New

New



Highly Uniform Rugged Rotary Switches, TROLEX Series.
Exceptionally high uniform reliability is achieved by an entirely new manufacturing concept. For military and commercial applications.

Compact Motor Driven Control, Type MD 45.
For remote control functions.



New

New

Miniature Compact 5/8" Control, Series 200. (Illustrated with switch).
For limited space applications. Available with standard bushing mounting (illustrated) or economical ear mounting. Special thin ear-mounted motor available for portable pocket transistorized radios.

CTS Specialists are willing to help solve your variable resistor and switch problems. Contact your nearest CTS office today.

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RELAYS **SWITCHES**

AUTOMATIC ELECTRIC

SERIES	MAXIMUM COIL VOLTAGE	MAX. NO. OF STANDARD CONTACTS	TYPE OF CONTACTS†††	WEIGHT	DIMENSIONS (MAX.) IN.
BQA	250 dc	24 Spgs.	Code 0—18 ga. Twin	8-12 oz.	4-3/32x2-5/16x1
BSO	135 dc	**24 Spgs.		8-14 oz.	4-3/32x2-5/16x1
BSR	135 dc	*6 Spgs.		8-14 oz.	4-3/32x1-7/8x1
BSA	250 dc	*6 Spgs.		8-14 oz.	4-3/32x1-7/8x1
BFA	230 ac	24 Spgs.		8-14 oz.	4-3/32x2-5/16x1
BMS	250 dc	***2 Form C	Snap-action	7-11 oz.	4-3/32x2-17/32x1-23/32
EQA	220 dc	26 Spgs.	Code 0—18 ga. Twin	2-3 oz.	2-1/4x1-23/32x1-1/8
ESO	115 dc	26 Spgs.			
ESR	115 dc	*6 Spgs.			
ESA	220 dc	*6 Spgs.			
EFA	220 ac	12 Spgs.			
EMS	220 dc	2 Form C	Snap-action		2-1/4x1-23/32x2-3/16
AQA	250 dc	26 Spgs.	Code 4—18 ga.	8-12 oz.	4-3/32x2-3/16x1-7/16
ASO	135 dc	26 Spgs.		8-14 oz.	4-3/32x2-3/16x1-7/16
ASR	135 dc	*6 Spgs.		8-12 oz.	4-3/32x2x1-7/16
ASA	250 dc	*6 Spgs.		8-12 oz.	4-3/32x2x1-7/16
AWS	250 dc	1 Form A		7-11 oz.	4-3/32x2-3/4x1-7/16
AVR	250 dc	Special		8-12 oz.	4-1/4x2x1
AMC	250 dc	2	Mercury	12-16 oz.	4-3/4x3-1/16x3
CQA	150 dc	12 Spgs.	Code 0—18 ga. Twin	4-oz.	4-1/32x2-3/16x21/32
CSA	150 dc	12 Spgs.	Code 0—18 ga. Twin	4-oz.	4-1/32x2-3/16x21/32
CMS	150 dc	1 Form C	Snap-action	6-oz.	3-13/16x2-7/16x1
SQA	†115 dc	9 Spgs.	Code 0—20 ga. Twin	2-oz.	1-17/32x2x11/16
SQD	†115 dc	18 Spgs.		2- 3 oz.	1-17/32x2x1
SQPC	†115 dc	18 Spgs.		2- 3 oz.	1-17/32x2x1
S-Power	115 dc	1 Make	Silver-Tungsten	12 oz.	1-1/2x1-1/2x1-1/4
ZQA	135 dc	13 Spgs.	Code 4—18 ga.	4- 6 oz.	2-1/2x2-3/4x1-1/2
ZSO	115 dc	13 Spgs.		4- 6 oz.	2-1/2x2-3/4x1-1/2
ZSR	115 dc	*6 Spgs.		4- 6 oz.	2-1/2x2-3/4x1-1/2
ZSA	135 dc	*6 Spgs.		4- 6 oz.	2-1/2x2-3/4x1-1/2
ZMS	135 dc	***2 Form C	Snap-action	8-10 oz.	2-1/2x2-5/8x2-1/4
ZFA	115 ac	13 Spgs.	Code 4—18 ga.	4- 6 oz.	2-1/2x2-3/4x1-5/16
Type 18 (Aircraft)	135 dc	13 Spgs.	Code 4—18 ga.	4- 6 oz.	2-1/2x2-1/4x1-1/4
FQA	To 230 (16-66 cycles)	12 Spgs.	Code 4—18 ga.	9-13 oz.	4x1-15/16x1-1/4
BFA	To 230 (20-60 cycles)	24 Spgs.	Code 0—18 ga.	8-14 oz.	4-3/32x2-5/16x1
EFA	To 220 ac	12 Spgs.	Code 0—18 ga.	2- 3 oz.	2-1/4x1-23/32x1-1/8
FMS	To 240 (16-66 cycles)	2 Form C	Snap-action	10-14 oz.	3-1/2x2-3/8x2-3/8
FMC	To 240 (16-66 cycles)	2	Merc.-Glass	14-18 oz.	4-5/8x2-3/4x2-3/4
ZFA	To 115 (20-60 cycles)	13 Spgs.	Code 4—18 ga.	4- 6 oz.	2-1/2x2-7/8x1-11/32
PLD	350 dc	6 each side	Code 4—18 ga.	28 oz.	4x3-1/4x2
PHD	350 dc	6 each side	Code 4—14 ga.	27-37 oz.	4-13/16x2-3/4x3
PTW****		1 Form C	Tungsten Carbide or Palladium	14 oz.	2-7/8x2-1/4x3-5/16

*More contacts can be used at a sacrifice of speed.
**Up to 0.600 sec. release time on BSO relay with 6 springs max.
***With 1 snap-action switch and 1 contact assembly (8 springs max.)
****Octal or pin-type plug (to fit WE Co. 255 applications) available.
†Higher wattage obtainable with oversize coils.
††Timing value in conjunction with a Series ASO relay.
†††Most relays can be furnished with special heavy-duty contacts.

Automatic Electric, pioneer in the use of telephone-type relays for industry, has the experience, reputation, manufacturing facilities, research staff, and down-to-earth, practical "know how" to solve your knottiest control problem. We specialize in the hermetic sealing of relays and switches, as well as in the design, circuitry and assembly of industrial control "packages" and systems. Our representative and facilities are at your command.

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Director, Industrial Control and Equipment Sales, Northlake, Illinois

AUTOMATIC ELECTRIC GENERAL SYSTEM

Subsidiary of
GENERAL TELEPHONE & ELECTRONICS

Distributors in U.S. and Possessions:
AUTOMATIC ELECTRIC SALES CORPORATION
Northlake, Illinois • FIllmore 5-7111 • Chicago Telephone: EStebrook 9-4300

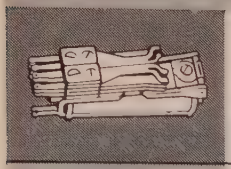
Sales Offices in Principal Cities

In Canada: Automatic Electric Sales (Canada) Ltd., 185 Bartley Drive, Toronto 16, Ontario.

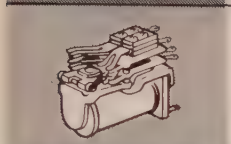
Export Distributor: Automatic Electric International, Incorporated, Northlake, Illinois.

AUTOMATIC ELECTRIC

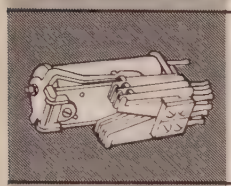
AE RELAYS



CLASS B
When extremely long service and reliable operation are demanded, this relay meets the requirements. Life often exceeds 400 million operations. Ideal for computers, fire control, pulsing or switching functions.



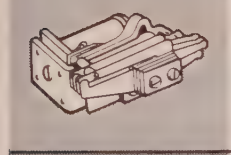
CLASS E
A new telephone-type relay, designed for long-life industrial service. Based on the rugged Class B design, this is a universal relay, engineered for a variety of uses demanding compact size coupled with our usual high standard of reliability.



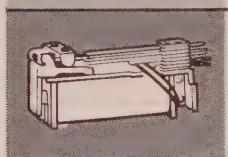
CLASS A
This original telephone-type relay will hold down costs, yet provide dependable operation and long life. A wide variety of coils, contacts, contact spring arrangements and mounting facilities makes this truly the "all-purpose" relay.

CLASS C
This compact relay combines unusual dependability and surprisingly long service life in a space about half of the size of the average relay of equal rating. Can be used for high-speed or delayed operation.

CLASS S
Specify this relay for aircraft use, where a small, light relay is required, resistant to shock and vibration. It features fast pulse response because of its small mass and slight self-inductance. Series SQPC available for printed circuits.

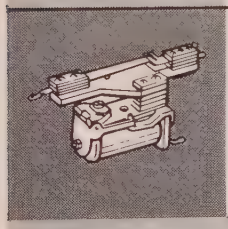


CLASS Z
Choose Class Z relays where a small, light relay is needed but long life or time delay is of greater importance than extremely small size. Similar to Class A relay, but smaller and less sensitive.



CLASS F
An a.c. relay, for use when the number of relays doesn't justify a rectifier, and when operate and release time delays are not a factor. When operate and release timing is required, an inexpensive rectifier can be used with any of the above d.c. relays.

POLARIZED
Series PHD and PLD offer "2-position" or "3-position" operation; Series PTW provides "2-position" only. "2-position" relays "stick" operated until current is reversed; "3-position" have neutral position in absence of current.



SPECIAL PURPOSE—We can usually make assemblies of Automatic Electric relays with modifications to suit your special applications. The Class E Video relay, illustrated here, is an example. Others are designed for power applications, electro-mechanical interlocking, marginal operation, mechanical locking, micrometer adjusting, and the simultaneous closing of up to 35 circuits (BAR relay).

SERIES	OPERATING TIME, SECONDS	RELEASE TIME, SECONDS
BQA	0.002-0.030	0.005-0.050
BSO	0.040-0.120	0.025-0.350
BSR	0.004-0.035	0.035-0.600
BSA	0.020-0.055	0.035-0.600
BFA	0.010-0.025	0.008-0.020
BMS	0.010-0.030	0.015-0.050
EQA	0.002-0.030	0.005-0.025
ESO	0.015-0.050	0.025-0.125
ESR	0.005-0.030	0.025-0.125
ESA	0.015-0.030	0.050-0.125
EFA	0.005-0.025	0.005-0.025
EMS	0.010-0.030	0.015-0.030
AQA	0.002-0.025	0.005-0.025
ASO	0.040-0.120	0.020-0.250
ASR	0.004-0.025	0.020-0.350
ASA	0.010-0.050	0.020-0.350
AWS	††Up to 2	0.005-0.025
AVR	0.002-0.025	††1 to 15
AMC	0.210-0.280	0.300-0.345
CQA	0.005-0.035	0.005-0.025
CSA	0.010-0.040	0.015-0.200
CMS	0.010-0.035	0.010-0.050
SQA	0.002-0.016	0.005-0.085
SQD	0.002-0.030	0.005-0.085
SQPC	0.002-0.030	0.005-0.085
S-Power	0.005-0.016	0.005-0.010
ZQA	0.002-0.025	0.005-0.025
ZSO	0.010-0.050	0.050-0.150
ZSR	0.003-0.010	0.050-0.200
ZSA	0.010-0.040	0.050-0.200
ZMS	0.010-0.040	0.005-0.200
ZFA	0.010-0.025	0.008-0.020
Type 18 (Aircraft)	0.002-0.025	0.005-0.025
FQA	0.002-0.025	0.005-0.040
BFA	0.010-0.025	0.008-0.020
EFA	0.005-0.025	0.005-0.025
FMS	0.002-0.020	0.002-0.020
FMC	0.298-0.333	0.290-0.350
ZFA	0.010-0.025	0.008-0.020
PLD	0.003-0.010	0.022-0.047
PHD	0.006-0.027	0.065-0.075
PTW****	0.007 Minimum	0.0002 Approx. Travel Time

AE STEPPING SWITCHES

FAST STEPPING, SMOOTH RUNNING, POSITIVE STOPPING

TYPE 44

The Type 44 is a small switch with a large, flexible capacity. Use this switch in almost any d.c. application—for impulse controlled response or self-interrupted operation. Though it's only slightly larger than a pack of king-size cigarettes, the Type 44 rotary stepping switch accommodates up to six 10-point bank levels.

TYPE 45

In every feature of its design, the Type 45 rotary stepping switch provides for adaptation to varied requirements, including a.c. operation. The one-piece, open-type flat frame occupies only one side of this switch, so the 25-point contact banks can be built up level by level as needed, up to twelve.

SERIES OCS RELAY

Here's a shock-resistant relay which can be used for cam-switching...for alternate on-off operations...or as a "stepper." When you order Automatic Electric's OCS relay, you specify the programming. This compact unit simplifies engineering and wiring—cuts space, weight and maintenance costs.

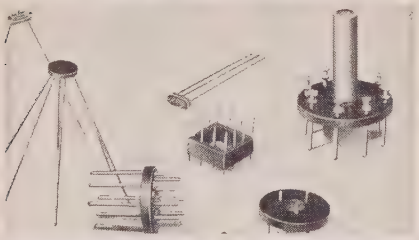
▶ TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

EPOXY FOR ELECTRONICS—

1.

All 7 Forms from One Source!

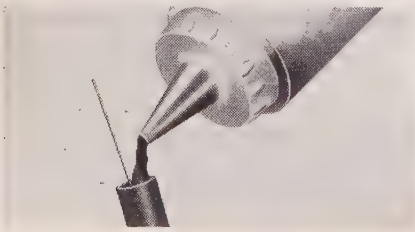
2.



3.

4.

5.



6.

1. **NEW ALL-EPOXY E-PAK® SYSTEM** Integrated encapsulation system features all-epoxy header with embedded lead wires, cured epoxy shell and premetered epoxy pellet. Drastically reduces assembly time and rejects!
2. **E-CASE SHELLS AND SLEEVES** Available from stock in standard sizes, in general purpose and flame-resistant materials.
3. **EPOXY HEADERS** For use with conventional metal cases, epoxy or other plastic cases, or for use in the manufacture of plug-in components.
4. **E-FORM CASTING POWDERS** Premixed resin and hardener. Melts as low as 85° C or as high as 145° C for fast curing.
5. **E-FORM PELLETS** All casting powders can be compressed into premetered pellets for production applications. Many pellet sizes available.
6. **EPOXY LIQUID AND HARDENER** If application will not tolerate elevated temperatures, liquid resins and hardeners will cure at room temperatures. Available also as a flame-resistant compound.
7. **EPOXY CUSTOM MOLDING SERVICE** Pioneer in compression and transfer molding in flame-resistant and general purpose epoxies, as well as other plastic materials. Pilot and production runs receive prompt attention.

Write today for complete technical data and literature.

EPOXY PRODUCTS, INC.

A Division of Joseph Waldman & Sons

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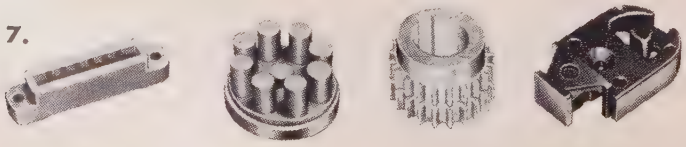
7.



SPECIFY SYLVANIA INDUSTRIAL TUBES

for reliable military and industrial designs

CATHODE RAY TUBES	MAGNETRONS	SMALL POWER TUBES
COUNTER TUBES	PHOTO TUBES	STROBOTRONS
GOLD BRAND RELIABLE TUBES	PLANAR TUBES	THYRATRONS
HIGH POWER TUBES	RECEIVING TUBES	TR AND ATR TUBES
KLYSTRONS	ROCKET TUBES	TRAVELING WAVE TUBES
	LIGHTHOUSE TUBES	

Sylvania Tubes provide that extra margin of quality that helps increase the reliability factor of your equipment. Sylvania research and development groups are constantly striving to improve present tube types and to provide you with new types for your future designs.

The wide range of Sylvania tube types includes over 150 Cathode Ray tubes . . . for radar, Loran, 'scopes, countermeasure devices, analyzers, portable image-display devices . . . to name a few. In addition, the highly reliable Gold Brand premium tubes include types for computers, guided missiles, fixed and mobile communications, navigation equipment, industrial controls and laboratory test equipment.

Sylvania offers ready tube availability. There are 21 Sylvania warehouses located throughout the nation with one purpose—to serve you better.

Design reliability into your equipment. Specify Sylvania Tubes. For information on Sylvania tube types for industrial or military equipment, contact your nearest Sylvania Field Office. Or write Electronic Tubes Division, Sylvania Electric Products Inc., 1740 Broadway, New York 19, N. Y.

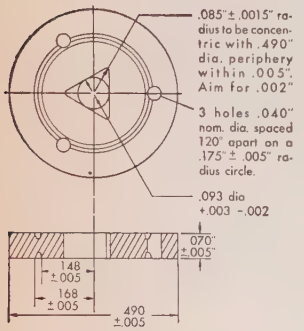
SYLVANIA TUBES ALSO AVAILABLE FROM YOUR SYLVANIA INDUSTRIAL TUBE DISTRIBUTOR.

SYLVANIA

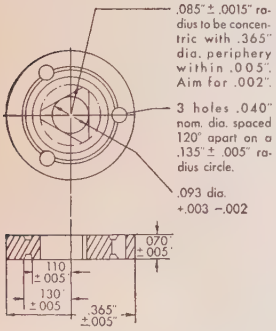
Subsidiary of **GENERAL TELEPHONE & ELECTRONICS** GENERAL SYSTEM

SUPERIOR LEADS THE WAY

DIMENSIONS



.490 in. dia. ceramic



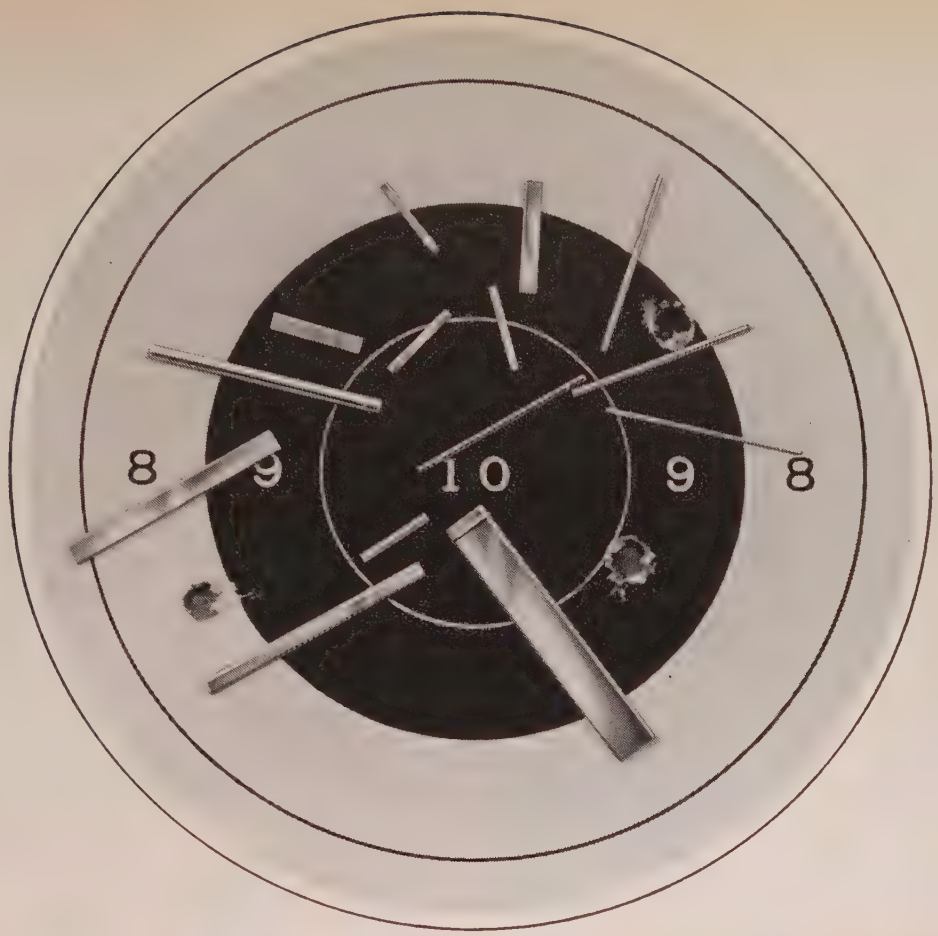
.365 in. dia. ceramic

New triangular hole disc cathodes This is Superior's development to speed warmup of cathode ray tubes. The cathode shank touches the ceramic at only three points. Actually there is 60% less contact area than with round hole ceramics. So heat does not escape as fast. The cathode warms up faster. The TV picture comes on quicker. Obviously this low heat loss is especially desirable wherever 300 and 450 ma heaters are used. In this design, the crimping of the embosses during manufacture creates a locking key effect in the triangular hole to resist rotation of the cathode shank. And the 3-point contact provides no axis for rocking action to take place. Triangular hole disc cathodes are available now in miniature (.090 in. OD shank) in both .490 in. and .365 in. diameter ceramics.

Standard disc cathodes Superior standard disc cathodes feature separate cap alloy for optimum emission and life, flare at shank opening for easy heater insertion and shadow groove in ceramic. Available in models for 90° (EDI-2) and for 110° (EDI-5) beam deflection.

Miniature disc cathodes Superior's miniature disc cathodes provide a satisfactory electron beam for most cathode ray tubes with only ½ to ¾ the heater power required by the standard disc cathodes. Available with either .490 in. or .365 in. diameter ceramics and standard "E" dimensions, the miniature cathodes can replace the standard disc cathodes in almost any cathode ray gun structure.

Subminiature disc cathodes A new type cathode —EX-143—with even smaller dimensions than the miniature disc cathodes. A number of applications are being developed now. Write for specifics.



IN CATHODE PROGRESS

Alloy X-3012 — Composition

Tungsten	1.75/2.25%
Zirconium	.05/ .10%
Silicon	.01% max.
Magnesium	.01% max.
Iron	.10% max.
Manganese	.10% max.
Copper	.05% max.
Carbon	.08% max.
Titanium	.01% max.
Nickel plus cobalt	Balance

Physical Properties

Density	0.325 lb./cu. in.
Temp. coef. of resistance	0.00202 ohm/ohm/°F (68-212°F)
Electrical resistivity	73.60 ohms/cmf (68°F) 151.6 ohms/cmf (1000°F)
Coef. of thermal expansion	8.43 in./in./°F (77-810°F)$\times 10^{-7}$

New all-purpose cathode alloy Superior's new X-3012* Alloy combines both the high emission capacity of active alloys and the long life normally associated with passive alloys. In addition, sublimation and interface impedance are reduced practically to zero. The alloy has twice the hot strength of ordinary nickel alloys. It can take high current and overvoltage abuse. X-3012 was developed in Superior's laboratories. It is available in both sleeve and disc types.

Cathaloy® series This is a series of cathode alloys developed by Superior Tube Company. They cover the requirements of any cathode application, and offer certain properties not available in other cathode alloys. The following are abbreviated descriptions of four cathaloy alloys.

Active

Cathaloy A-31†. Approximately twice as strong as tungsten-free alloys (4% W-Ni).

Cathaloy A-32. Approximately 50% stronger than tungsten-free alloys (2% W, .05% Al-Ni).

Passive

Cathaloy P-50. The only pure nickel analysis commercially available in Seamless/WELDRAWN‡ and Lockseam†/Lapseam.

Cathaloy P-51. 100% stronger than Cathaloy P-50. Seamless/WELDRAWN and Lockseam/Lapseam.

Standard cathode alloys Superior can supply cathodes in any of three basic forms: Seamless/WELDRAWN, Lockseam/Lapseam, and disc cathodes. Available in a wide variety of size combinations to cover any application requirements. Standard active alloys in wide use for years include these:

INCO 220 .....Low silicon, low magnesium
INCO 330 .....Low silicon alloy
INCO 225 .....High silicon alloy
D-H 599 .....High silicon, very low magnesium
D-H 799 .....High silicon alloy

*U.S. Pat. #2,883,647 (Superior Tube Co.)
†Manufactured under U.S. Patents
‡Superior Tube Co. trademark, reg. U.S. and Canada

Superior Tube

The big name in small tubing

NORRISTOWN, PA.

Johnson & Hoffman Mfg. Corp., Mineola, N.Y.—an affiliated company making precision metal stamping and deep-drawn parts.

GRAPHALLOY

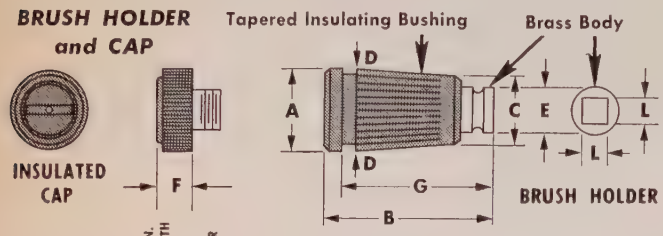
SILVER GRAPHALLOY BRUSHES and BRUSH & SLIP-RING ASSEMBLIES...

GRAPHALLOY BRUSHES

are used on such equipment as... SERVO SYSTEMS • SYNCHROS • CHOPPERS • RADAR • GYROS • INVERTERS • THERMOCOUPLE and STRAIN GAGE CIRCUITS • GUIDED MISSILES • PULSE SYSTEMS • DIGITAL COMPUTERS • WAVE GUIDES • SONAR • TRANSDUCERS • TORQUE INDICATORS

Silver GRAPHALLOY Brushes have been widely used because *of* LOW *and* CONSTANT CONTACT DROP, EXTREMELY LOW ELECTRICAL NOISE *and* LONG LIFE. Over 200 grades are now serving in a wide variety of applications. Silver GRAPHALLOY Brushes on ½"-diameter coin silver slip rings have operated successfully in highly critical electrical circuits at speeds up to 100,000 R.P.M. *Our Engineering Department will assist in determining the exact grade of* GRAPHALLOY *for your needs.* Ask for our Brush Inquiry Form 109.

BRUSH HOLDER and CAP



Other Sizes Available.

BRUSH HOLDER & CAP NO.	BRUSH SIZE	SUGGESTED MIN. SLIP-RING WIDTH	**MOUNTING HOLE DIAMETER	BRUSH HOLDER TO SLIP RING	A	B (OVERALL LENGTH)	F	C	D	E	G	L (BROACHED HOLE)
14326	1/8" sq.	3/16"	13/32"	1/16" min.	.437"	7/8"	3/16"	.404"	.418"	.281"	25/32"	.129"
11509†	5/32" sq.	3/16"	13/32"	1/16" min.	.437"	7/8"	3/16"	.404"	.418	.281"	25/32"	.160"
11570†	3/16" sq.	1/4"	7/16"	1/16" min.	.484"	7/8"	3/16"	.441"	.451"	.313"	25/32"	.192"
11527†	1/4" sq.	5/16"	9/16"	1/8" min.	.616"	1 5/16"	3/16"	.561"	.573"	.438"	1 3/16"	.256"

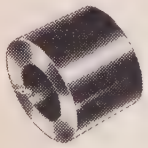
†Shunts are provided. **Mounting hole diameter for brush holder dimension D.

Request and fill in Brush Inquiry Sheet, Form 109, so that we can supply the proper grade of brush material.

BRUSH ASSEMBLIES

GRAPHALLOY, because of its inherent, non-welding and arc-quenching characteristics, is used widely for contacts . . . especially where positive breaking of a circuit is required.

BUSHINGS Oil-free



Replace oil-lubricated bushings in synchros, instruments, timers and missiles.

Advantages: 1) Lower friction at room temperatures. 2) No oil to solidify at low temperatures. 3) No oil to carbonize at prolonged elevated temperatures.

*Ask for Data Sheets 270 and 277 on Miniature Bronze-*GRAPHALLOY *Bushings.*

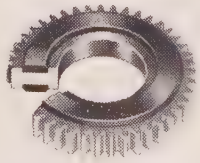
CONNECTORS

(garter springs)

These silver-plated coil spring Connectors make for positive electrical connection to the brass body of the brush holder by snapping into the groove on the holder. The connecting lead can be pre-soldered to the Connector.

GARTER SPRING CONNECTORS	BRUSH SIZE	BRUSH HOLDER NO.
127-9	1/8" sq.	14326
127-9	5/32" sq.	11509
127-10	3/16" sq.	11570
127-14	1/4" sq.	11527

CLUTCH FACINGS and CLUTCH GEAR ASSEMBLIES



Torque remains same within close operating limits despite changes in temperature and humidity. For instrumentation, guided missiles, constant friction devices.

SLIP RINGS Solid Coin Silver

Standard Coin Silver Slip Rings, both *cylindrical* and *flat* types, are illustrated at right. We recommend the cylindrical type rings with three brushes per ring . . . spaced at 120°. The cylindrical type are designed for press fitting over standard steel shafting. The flat type rings are designed for nesting either on an insulated plate or for molding into insulation. Insulated slip rings of either type or slip-ring assemblies can be furnished with leads attached.

No. 168 Series flat type to 20" O.D.

Standard "Flat" rings have ¼" radial contact surface and ⅛" radial spacing between adjacent rings.

No. 116 Series cylindrical type to 36" O.D.

Copper Slip Rings, flat or cylindrical, are available.

Model 319 CYLINDRICAL SLIP-RING assembly

Solid Coin Silver Rings

MODEL	RINGS	LENGTH
319-4	4	2 9/16"
319-6	6	3 5/16"
319-10	10	4 13/16"
319-14	14	6 5/16"

Slip-ring O.D. 1⅝". Terminal O.D. 4".
Assembly I.D.: .814"/.813"
Range: Same as for Model 399

Model 409 FLAT SLIP-RING assembly

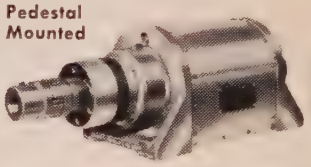
Solid Coin Silver Rings

MODEL	RINGS	OVERALL O.D.—"A"
409-2	2	5½"
409-4	4	7"
409-6	6	8½"
409-10	10	11½"

Hub O.D. 2"; I.D. 1.573"/1.571"; Length 1⅛". To 5 amperes, 125 volts.
More rings available upon application.

Model 399 BRUSH and SLIP-RING assembly

Pedestal Mounted



MODEL	RINGS	bolt slot distances CL to CL: WIDTH	LENGTH	**OVERALL LENGTH
399-4	4	4½"	7¾"	13¼"
399-6	6	4½"	8½"	14"
399-10	10	4½"	10"	15½"
399-14	14	4½"	11½"	17"

**To outer end of coupling.

Specifications: Width 6½"—Height 6½". Shaft CL above base 3¼".
Applications: from strain gage or thermocouple up to 5 amperes, 125 volts, 250°F.
Speeds to 5,000 RPM.
Three Silver-GRAPHALLOY Brushes per solid coin silver slip ring.
Extraneous noise level extremely low.
Rugged in design and construction.
Readily connected mechanically and electrically.
Complete coupling provided for 15/16" shaft.
More rings and higher speeds available upon application.

Write for data sheets

CALL ON OUR OVER 40 YEARS OF DESIGN EXPERIENCE FOR HELP IN SOLVING YOUR BRUSH PROBLEMS!

GRAPHITE METALLIZING CORPORATION : 1052 NEPPERHAN AVENUE YONKERS, NEW YORK

CONDENSED CATALOG 1960

LAMBDA

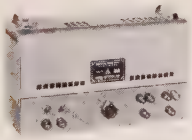
Regulated Power Supplies

LA Series
0-34 VDC, 5 and 10 AMP,
Transistorized • Pages 2, 3

LT Series
0-32 VDC, 1 and 2 AMP,
Transistorized • Page 4

COM-PAK Series
Up to 525 VDC, up to 1500 MA,
Tube Type • Page 5

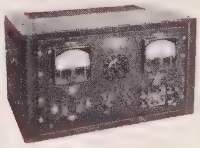
100 MA Series
Up to 325 VDC, 0 to 100 MA,
Tube Type • Page 6



100 MA Series
Up to 325 VDC, 0 to 100 MA,
Tube Type • Page 6

200 MA Series
0 to 500 VDC, 0 to 200 MA,
Tube Type • Page 6

300 MA Series
Up to 325 VDC, 0 to 300 MA,
Tube Type • Page 7



500 MA Series
0 to 500 VDC, 0 to 500 MA,
Tube Type • Page 7

GUARANTEED FOR A FULL 5 YEARS

Lambda gives you the strongest proof of consistent, trouble-free power supply performance ever offered: a guarantee covering workmanship and materials (except for tubes and fuses) for *five full years.*

Lambda's experience and plant devoted solely to power supplies

Lambda manufactures only power supply equipment. Lambda's plant and personnel are devoted solely to the design and manufacture of the finest power supply equipment available.

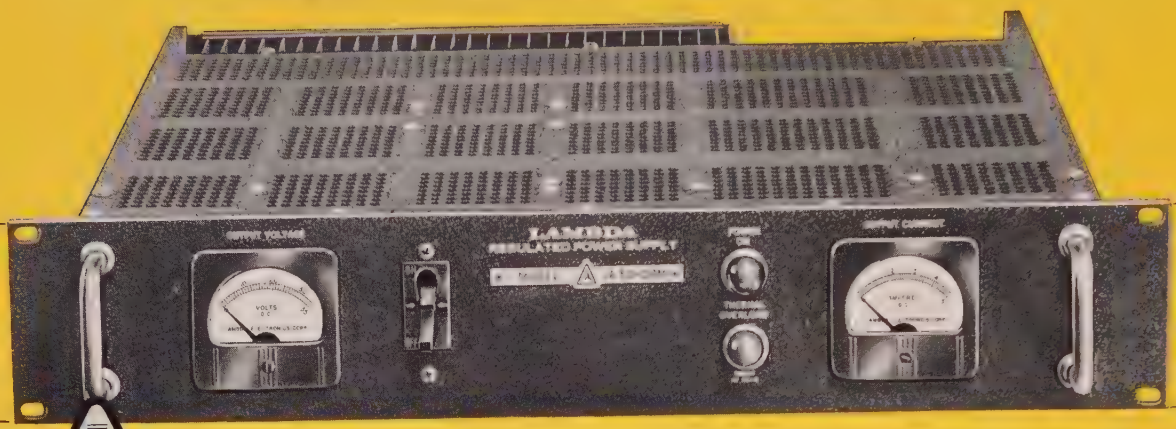
Market surveys rank Lambda first

Lambda quality is consistently recognized by electronic engineers who specify power supplies. In every independent study Lambda always leads the field.

LAMBDA ELECTRONICS CORP.
11-11 131 STREET • COLLEGE POINT 56, N. Y. • INDEPENDENCE 1-8500

LAMBDA LA Series
Regulated Power Supplies
5 and 10 AMP · 0-34 VDC

CONVECTION COOLED

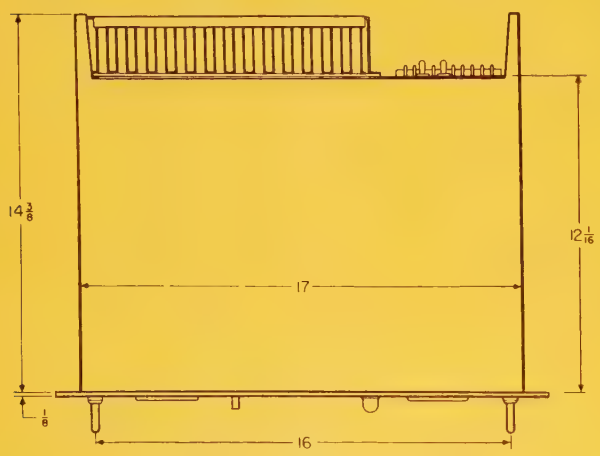


5 Year Guarantee

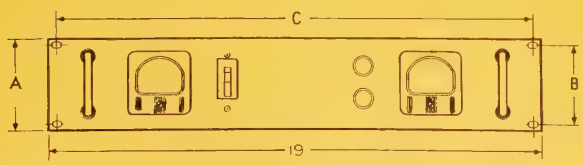
3½" PANEL HEIGHT ON 5 AMP MODELS

LA 50-03AM	(with meters)	0-34 VDC, 0-5A	$425	LA 50-03A	(without meters)	0-34 VDC, 0-5A	$395
LA100-03AM	(with meters)	0-34 VDC, 0-10A	$540	LA100-03A	(without meters)	0-34 VDC, 0-10A	$510

DIMENSION DRAWINGS



TOP VIEW OF ALL MODELS



FRONT VIEW OF LA 50-03AM MODELS

MODEL †	A	B	C
LA 50—03A	3½"	3"	18 5/16"
LA 100—03A	7"	*4"	18¼"

* LA100-03A is notched per RETMA Standards
† Includes metered models with suffix "M"

Features of Lambda LA Series

- Compact panel height—only 3½" on 5 amp model
- Convection cooled—no internal blowers to wear out or maintain
- Specially designed, high efficiency radiator heat sinks
- Ambient temperature 50°C—continuous duty
- Excess ambient thermal protection
- Special transistor circuitry provides independent protection against transistor complement overload
- Protected by magnetic circuit breakers
- Short circuit proof
- All transistor—no tubes
- Silicon rectifiers
- 100-130 VAC input
- Excellent regulation—low output impedance—low ripple
- Fast transient response
- Special, high purity foil, hermetically sealed long-life electrolytic capacitors
- Hermetically sealed transformer designed to MIL-T-27A
- Remote sensing and DC vernier

CONDENSED DATA:

DC OUTPUT

Regulated for line and load

MODEL	VOLTAGE [1]	CURRENT [2]	PRICE
LA50-03A	0-34 VDC	0- 5A	$395
LA50-03AM	0-34 VDC	0- 5A	425
LA100-03A	0-34 VDC	0-10A	510
LA100-03AM	0-34 VDC	0-10A	540

[1] The output voltage for each model is completely covered in four steps by selector switches plus vernier control and is obtained by summation of voltage steps and continuously variable DC vernier as follows:

MODEL	VOLTAGE STEPS
LA 50-03A, LA 50-03AM	2, 4, 8, 16 and 0-4 volt vernier
LA100-03A, LA100-03AM	2, 4, 8, 16 and 0-4 volt vernier

[2] Current rating applies over entire output voltage range.

Regulation: *Line* Better than 0.15 per cent or 20 millivolts (whichever is greater). For input variations from 100-130 VAC.
Load Better than 0.15 per cent or 20 millivolts (whichever is greater). For load variations from 0 to full load.

Transient Response: *Line* Output voltage is constant within regulation specifications for step function line voltage change from 100-130 VAC or 130-100 VAC.
Load Output voltage is constant within regulation specifications for step-function load change from 0 to full load or full load to 0 within 50 microseconds after application.

Ripple and noise: Less than 1 millivolt rms with either terminal grounded.

AC INPUT

100-130 VAC, 60 ± 0.3 cycle. This frequency band amply covers standard commercial power lines in the United States and Canada.

OVERLOAD PROTECTION

Electrical and thermal: Magnetic circuit breaker front panel mounted. Special transistor circuitry provides independent protection against transistor complement overload. Fuses provide internal failure protection. Unit cannot be injured by short circuit or overload. Thermostat, manual reset, rear of chassis. Thermal overload indicator light front panel.

CONTROLS

DC Output Controls: Voltage selector switches and adjustable vernier-control rear of chassis.

Remote DC Vernier: Provision for remote operation of DC Vernier.

Remote Sensing: Provision is made for remote sensing to minimize effect of power output leads on DC regulation, output impedance and transient response.

PHYSICAL DATA

Size:

LA-50-03A 3½" H x 19" W x 14⅜" D
LA-100-03A 7" H x 19" W x 14⅜" D

Panel Finish: Black ripple enamel (standard). Special finishes available to customers' specifications at moderate surcharge. Quotation upon request.

Ordering Information

All Lambda Power Supplies are sold direct by LAMBDA to the purchaser.

IDENTIFICATION

We can serve you more quickly and accurately when you give us the model number of the power supply in which you are interested, and a short description. (For example: Model 50-R for rack mounting.)

PRICES

The prices in this catalog are F.O.B. factory College Point, New York. Necessarily they are subject to change without notice.

TERMS — Net 30 days.

SHIPMENT

Express shipment in our experience has provided the fastest and safest delivery of power supplies. Unless you specifically request otherwise, your order will be forwarded in this manner. Urgent needs can be shipped by air express or air freight in accordance with your instructions.

QUOTATIONS

All written quotations will be honored for 30 days from the date on which they are made.

TAXES

All applicable taxes, federal, state and local, are extra.

DELIVERY

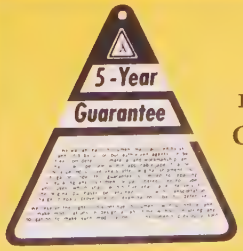
Under normal conditions, we ship from stock. If circumstances do not permit immediate delivery on a particular model, you will be notified at once and a firm shipping date will be given you. Urgent requirements often can be handled on an expedited basis. Your mail, telephone or telegraph order or inquiry will bring you a same-day reply. Our New York City telephone number is INdependence 1-8500.

SHIPMENT TO FACTORY

Please communicate with us before shipping power supply equipment so that we can arrange with you to keep your "down time" to a minimum.

REPAIR PARTS

These are always in stock for immediate shipment for repair purposes. When ordering a repair part, please give the number on the component itself. Also state the model number, serial number, and, if possible, date of original purchase.



ALL LAMBDA POWER SUPPLIES GUARANTEED FOR 5 YEARS

LT Series Power Supplies

TRANSISTORIZED

LT 1095M (with meters):	0-32 VDC, 0-1 AMP	$315.00
LT 2095M (with meters):	0-32 VDC, 0-2 AMP	395.00
LT 1095 (without meters):	0-32 VDC, 0-1 AMP	285.00
LT 2095 (without meters):	0-32 VDC, 0-2 AMP	365.00

Features of the LT Series

- Ambient 50°C
- Specially designed, high efficiency radiator heat sinks
- All transistor—no tubes
- 50-400 cycles input
- Protected by magnetic circuit breakers
- Special, high-purity foil, hermetically sealed long-life electrolytic capacitors
- Excess ambient thermal protection
- Fast transient response
- Hermetically-sealed transformer—designed to MIL-T-27A
- Remote sensing and DC vernier
- Compact—only 3½″ panel height
- Special transistor circuitry provides independent protection against transistor complement overload

CONDENSED DATA:

DC OUTPUT

Regulated for line and load

MODEL	VOLTAGE [1]	CURRENT [2]	PRICE
LT 1095M	0-32 VDC	0-1 AMP	$315.00
LT 2095M	0-32 VDC	0-2 AMP	395.00
LT 1095	0-32 VDC	0-1 AMP	285.00
LT 2095	0-32 VDC	0-2 AMP	365.00

[1] Voltage range for each model is completely covered in four continuously variable bands as follows:

MODEL	VOLTAGE BANDS
LT-1095, LT-1095M	0-8, 8-16, 16-24, 24-32
LT-2095, LT-2095M	0-8, 8-16, 16-24, 24-32

[2] Current rating applies over entire voltage range.

Regulation: *Line* Better than 0.15 per cent or 20 millivolts (whichever is greater). For input variations from 105-125 VAC.
Load Better than 0.15 per cent or 20 millivolts (whichever is greater). For load variations from 0 to full load.

Transient Response: *Line* Output voltage is constant within regulation specifications for step-function line voltage change of plus (+) 10 volts or minus (−) 10 volts within the limits of 105-125 VAC.
Load Output voltage is constant within regulation specifications for step-function load change from 0 to full load or full load to 0 within 50 microseconds after application.

Ripple and Noise: Less than 1 millivolt rms.

AC INPUT

105-125 VAC. 50-400 CPS.

OVERLOAD PROTECTION

Electrical and thermal: Magnetic circuit breaker, front panel mounted. Special transistor circuitry provides independent protection against transistor complement overload. Fuses provide internal failure protection. Unit cannot be injured by short circuit or overload. Thermostat, manual reset, rear of chassis. Thermal overload indicator light front panel.

CONTROLS

DC Output Controls: Band-switches and screw-driver adjusting vernier-control, rear of chassis.

Remote DC Vernier: Provision for remote operation of DC vernier.

Remote Sensing: Provision is made for remote sensing to minimize effect of power output leads on DC regulation.

PHYSICAL DATA

Size:
LT-1095....3½″ H x 19″ W x 14⅜″ D.
LT-2095....3½″ H x 19″ W x 14⅜″ D.

Panel Finish: Black ripple enamel (standard). Special finishes available to customers' specifications at moderate surcharge.

COM-PAK Series Power Supplies

TUBE-TYPE

C-280	(without meters):	0-200 VDC, 0-200 MA	$184.50
C-281	(without meters):	125-325 VDC, 0-200 MA	159.50
C-282	(without meters):	325-525 VDC, 0-200 MA	169.50
C-480	(without meters):	0-200 VDC, 0-400 MA	259.50
C-481	(without meters):	125-325 VDC, 0-400 MA	244.50
C-482	(without meters):	325-525 VDC, 0-400 MA	259.50
C-880	(without meters):	0-200 VDC, 0-800 MA	340.00
C-881	(without meters):	125-325 VDC, 0-800 MA	315.00
C-882	(without meters):	325-525 VDC, 0-800 MA	360.00
C-1580	(without meters):	0-200 VDC, 0-1500 MA	550.00
C-1581	(without meters):	125-325 VDC, 0-1500 MA	575.00
C-1582	(without meters):	325-525 VDC, 0-1500 MA	650.00

For Com-Pak Series models with meters, add the suffix "M" to the model number and add $30 to the unmetered model price.

Features of Com-Pak Series

- Exclusive design, height only 5¼″ (C-200 and C-400 series), 7″ (C-800 series) and 8¾″ (C-1500 series)
- Hermetically-sealed transformer—designed to MIL-T-27A
- Transient free output
- Semi-conductor rectifiers for higher efficiency in C-400, C-800 and C-1500 series
- Overload protection with built-in blown-fuse indicators
- Stable, low noise wire wound reference networks and multipliers
- Oil-filled, hermetically-sealed capacitors
- Conservatively rated for continuous duty
- Advanced packaging for optimum thermal and mechanical design
- Easy service access without removal from rack; all tubes readily accessible for replacement
- Provision for remote DC vernier voltage adjustment
- Heavy-duty barrier type terminal block located for convenient rack cabling

CONDENSED DATA:

DC OUTPUT

Regulated for line and load

(See data under photograph)

Voltage range for each model is completely covered in four continuously variable bands as follows:

MODELS	VOLTAGE BANDS
C-280, 480, 880, 1580	0- 50, 50-100, 100-150, 150-200
C-281, 481, 881, 1581	125-175, 175-225, 225-275, 275-325
C-282, 482, 882, 1582	325-375, 375-425, 425-475, 475-525

Current rating applies over entire voltage range.

Regulation: *Line* Better than 0.15% or 0.3 Volt (whichever is greater). For input variations from 105-125 VAC.
Load Better than 0.25% or 0.5 Volt (whichever is greater). For load variations from 0 to full load.

Transient Response: *Line* Output voltage is constant within regulation specifications for step-function line voltage change of plus (+) 10 volts or minus (—) 10 volts rms within the limits of 105-125 VAC.
Load Output voltage is constant within regulation specifications for step-function load change from 0 to full load or full load to 0.

Ripple and Noise: Less than 3 millivolts rms.

AC OUTPUT

(unregulated)...6.5 VAC (at 115 VAC Input).[3]
C-200 Series...10 AMP; C-400 Series...15 AMP;
C-800 Series...20 AMP; C-1500 Series...30 AMP.

[3]Allows for voltage drop in connecting leads. Isolated and ungrounded.

AC INPUT

105-125 VAC, 50-400 CPS

OVERLOAD PROTECTION

Electrical: AC and DC fuses, front panel, with built-in blown-fuse indicators. Fuse, rear of chassis.

CONTROLS

DC Output Controls: Band-switches and screw-driver adjusting vernier-control, rear of chassis.

PHYSICAL DATA

Size:

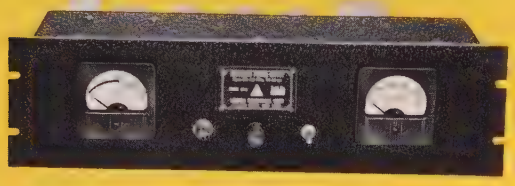
C-200 Series....5¼″ H x 19″ W x 14⅜″ D.
C-400 Series....5¼″ H x 19″ W x 14⅜″ D.
C-800 Series....7″ H x 19″ W x 14⅜″ D.
C-1500 Series...8¾″ H x 19″ W x 14⅜″ D.

Panel Finish: Black ripple enamel (standard). Special finishes available to customers' specifications at moderate surcharge.

100 MA Series

Portable Models

MODEL 25: 200-325 VDC, 0-100 MA..... $69.50
MODEL 26: 100-200 VDC, 0-100 MA..... 79.50



Rack Models

MODEL 28: (without meters) 200-325 VDC, 0-100 MA. $59.50
MODEL 29: (without meters) 100-200 VDC, 0-100 MA. 69.50
MODEL 28M: (with meters) 200-325 VDC, 0-100 MA. 89.50
MODEL 29M: (with meters) 100-200 VDC, 0-100 MA. 99.50

CONDENSED DATA

DC OUTPUT

Regulated for line and load

(See data under photograph)

Voltage is continuously variable over entire range. Current rating applies over entire voltage range.

Regulation: Line Better than 1%.
Load Better than 1%.

Internal Impedance: Less than 10 ohms.

Ripple and Noise: Less than 10 millivolts rms for Models 25 and 28. Less than 5 millivolts rms for Models 26 and 29.

AC OUTPUT

(unregulated) 6.5 VAC at 3A (at 115 VAC input).

AC INPUT

105-125 VAC. 50-400 CPS.

PHYSICAL DATA

Size: 8" H x 14" W x 6" D. Models 25. 26.

Finish: Two-tone gray ripple enamel.

Size: 5¼" H x 19" W x 8" D. Models 28, 29.

Finish: Black ripple enamel (standard). Special finishes available to customers' specifications at moderate surcharge.

200 MA Series

MODEL 71: 0-500 VDC,
0-200 MA
0-50, 0-200 VDC bias
$310.00

Special Features

- Continuously variable output 0-500 VDC
- Conservatively rated for continuous duty
- Oil-filled, hermetically sealed capacitors
- Vacuum-varnish impregnated transformers and chokes
- Magnetic circuit breakers
- Vernier high voltage adjustment
- 30-second time-delay relay circuit
- Every specification lab-checked before shipment

CONDENSED DATA

DC OUTPUT NO. 1

Regulated for line and load

(See data next to photograph)

Voltage is continuously variable over entire range. Current rating applies over entire voltage range.

Regulation: Line 0.15% or 0.3 volt.
Load 0.15% or 0.3 volt.

Internal Impedance: Less than 4 ohms.

Ripple and Noise: Less than 5 millivolts rms.

AC OUTPUTS

(unregulated) Two outputs, isolated and ungrounded. Each is 6.5 VAC at 5A.

AC INPUT

105-125 VAC. 50-60 CPS.

PHYSICAL DATA

Cabinet Style: Portable. Leather carrying handle.

Size: 13" H x 8¾" W x 14½" D.

Finish: Two-tone gray ripple enamel.

300 MA Series

32M (with meters): 200-325 VDC, 0-300 MA.....$169.50
33M (with meters): 100-200 VDC, 0-300 MA..... 184.50

32 (without meters): 200-325 VDC, 0-300 MA.... 139.50
33 (without meters): 100-200 VDC, 0-300 MA.... 154.50

Special Features

- Conservatively rated for continuous duty
- Oil-filled, hermetically sealed capacitors
- 50 to 400 CPS input
- Vacuum-varnish impregnated transformers and chokes
- Separate AC and DC switches
- Every specification lab-checked before shipment

CONDENSED DATA

DC OUTPUT

Regulated for line and load

(See data under photograph)

Voltage is continuously variable over entire range. Current rating applies over entire voltage range.

Regulation: Line Better than 1%.
Load Better than 1%.

Internal Impedance: Less than 4 ohms.

Ripple and Noise: Less than 10 millivolts rms.

AC OUTPUTS

(unregulated) Two outputs, isolated and ungrounded. Each is 6.5 VAC at 5A.

AC INPUT

105-125 VAC, 50-400 CPS.

CONTROLS

DC Output Control: Screw driver adjusting control, rear of chassis.

PHYSICAL DATA

Size: 10½" H x 19" W x 9¼" D.

Finish: Black ripple enamel (standard). Special panel finishes available to customer's specifications at moderate surcharge.

500 MA Series

50: 0-500 VDC, 0-500 MA, 0-50, 0-200 VDC bias, $440.00
50R: 0-500 VDC, 0-500 MA, 0-50, 0-200 VDC bias, 420.00

Special Features

- Continuously variable output 0-500 VDC
- Conservatively rated for continuous duty
- Oil-filled, hermetically sealed capacitors
- Vacuum-varnish impregnated transformers and chokes
- Magnetic circuit breakers
- Vernier high voltage adjustment
- 30-second time-delay relay circuit
- Every specification lab-checked before shipment

CONDENSED DATA

DC OUTPUT NO. 1

Regulated for line and load

(See data under photograph)

Voltage is continuously variable over entire range. Current rating applies over entire voltage range.

Regulation: Line 0.15% or 0.1 volt.
Load 0.5% or 0.3 volt.

Ripple and Noise: Less than 8 millivolts rms.

AC OUTPUTS

(unregulated) Two outputs, isolated and ungrounded. Each is 6.5 VAC at 5A.

AC INPUT

105-125 VAC, 50-60 CPS.

PHYSICAL DATA

Mounting: Model 50R: Standard 19" rack mounting.
Model 50: Cabinet model.

Size: Model 50R: 10½" H x 19" W x 14¼" D.
Model 50: 12½" H x 22" W x 15" D.

Panel Finish: Black ripple enamel.

CHECK LIST OF LAMBDA REGULATED D. C. POWER SUPPLIES

Model	Style	Voltage Range (VDC)	Current Range	Regulation Impedance Ripple (Table 1)	6.3 VAC Output (Amps)	Meters	Output Voltage Control	Output Terminals	Size Weight (Table 11)	Price (U.S. and Canada) F.O.B. Factory College Pt., N. Y.
REGULATED POWER SUPPLIES — RACK MOUNTING										
TRANSISTORIZED										
LT-1095	Rack	0-32	0-1 AMP	A	—	None	Rear	Rear	S-1	285.00
LT-1095M	Rack	0-32	0-1 AMP	A	—	2½" rect	Rear	Rear	S-1	315.00
LT-2095	Rack	0-32	0-2 AMP	B	—	None	Rear	Rear	S-1	365.00
LT-2095M	Rack	0-32	0-2 AMP	B	—	2½" rect	Rear	Rear	S-1	395.00
LA-50-03A	Rack	0-34	0-5 AMP	C	—	None	Rear	Rear	S-2	395.00
LA-50-03AM	Rack	0-34	0-5 AMP	C	—	2½" rect	Rear	Rear	S-2	425.00
LA-100-03A	Rack	0-34	0-10 AMP	D	—	None	Rear	Rear	S-3	510.00
LA-100-03AM	Rack	0-34	0-10 AMP	D	—	3½" rect	Rear	Rear	S-3	540.00
TUBE REGULATED										
C-280	Rack	0-200	0-200 MA	E	10A	None	Rear	Rear	S-4	184.50
C-280M	Rack	0-200	0-200 MA	E	10A	3½" rect	Rear	Rear	S-4	214.50
C-281	Rack	125-325	0-200 MA	E	10A	None	Rear	Rear	S-4	159.50
C-281M	Rack	125-325	0-200 MA	E	10A	3½" rect	Rear	Rear	S-4	189.50
C-282	Rack	325-525	0-200 MA	E	10A	None	Rear	Rear	S-4	169.50
C-282M	Rack	325-525	0-200 MA	E	10A	3½" rect	Rear	Rear	S-4	199.50
C-480	Rack	0-200	0-400 MA	F	15A	None	Rear	Rear	S-4	259.50
C-480M	Rack	0-200	0-400 MA	F	15A	3½" rect	Rear	Rear	S-4	289.50
C-481	Rack	125-325	0-400 MA	F	15A	None	Rear	Rear	S-4	244.50
C-481M	Rack	125-325	0-400 MA	F	15A	3½" rect	Rear	Rear	S-4	274.50
C-482	Rack	325-525	0-400 MA	F	15A	None	Rear	Rear	S-4	259.50
C-482M	Rack	325-525	0-400 MA	F	15A	3½" rect	Rear	Rear	S-4	289.50
C-880	Rack	0-200	0-800 MA	G	20A	None	Rear	Rear	S-5	340.00
C-880M	Rack	0-200	0-800 MA	G	20A	3½" rect	Rear	Rear	S-5	370.00
C-881	Rack	125-325	0-800 MA	G	20A	None	Rear	Rear	S-5	315.00
C-881M	Rack	125-325	0-800 MA	G	20A	3½" rect	Rear	Rear	S-5	345.00
C-882	Rack	325-525	0-800 MA	G	20A	None	Rear	Rear	S-5	360.00
C-882M	Rack	325-525	0-800 MA	G	20A	3½" rect	Rear	Rear	S-5	390.00
C-1580	Rack	0-200	0-1500 MA	H	30A	None	Rear	Rear	S-6	550.00
C-1580M	Rack	0-200	0-1500 MA	H	30A	3½" rect	Rear	Rear	S-6	580.00
C-1581	Rack	125-325	0-1500 MA	H	30A	None	Rear	Rear	S-6	575.00
C-1581M	Rack	125-325	0-1500 MA	H	30A	3½" rect	Rear	Rear	S-6	605.00
C-1582	Rack	325-525	0-1500 MA	H	30A	None	Rear	Rear	S-6	650.00
C-1582M	Rack	325-525	0-1500 MA	H	30A	3½" rect	Rear	Rear	S-6	680.00
28	Rack	200-325	0-100 MA	J	3A	None	Rear	Rear	S-7	59.50
28M	Rack	200-325	0-100 MA	J	3A	3½" rect	Rear	Rear	S-7	89.50
29	Rack	100-200	0-100 MA	K	3A	None	Rear	Rear	S-7	69.50
29M	Rack	100-200	0-100 MA	K	3A	3½" rect	Rear	Rear	S-7	99.50
32	Rack	200-325	0-300 MA	L	2 @ 5A	None	Rear	Rear	S-8	139.50
32M	Rack	200-325	0-300 MA	L	2 @ 5A	3½" rect	Rear	Rear	S-8	169.50
33	Rack	100-200	0-300 MA	L	2 @ 5A	None	Rear	Rear	S-8	154.50
33M	Rack	100-200	0-300 MA	L	2 @ 5A	3½" rect	Rear	Rear	S-8	184.50
50R	Rack	0-500	0-500 MA	M	2 @ 5A	4½" rect	Front	Fr & rear	S-9	420.00
		0-50	Bias	N						
		0-200	High Imped.	P						
REGULATED POWER SUPPLIES — PORTABLE AND BENCH										
25	Bench	200-325	0-100 MA	J	3A	None	Front	Front	S-10	69.50
26	Bench	100-200	0-100 MA	K	3A	None	Front	Front	S-10	79.50
50	Bench					See Model 50R above			S-11	440.00
71	Portable	0-500	0-200 MA	Q	2 @ 5A	3½" rect	Front	Front	S-12	310.00
		0-50	Bias	R						
		0-200	High Imped.	S						

TABLE I

DC OUTPUT VOLTAGE REGULATION, IMPEDANCE, RIPPLE

	REGULATION		Internal Impedance (ohms)	Ripple, rms (millivolts or %)
	Line Voltage AC*	Load (min to max)		
	Less than	Less than	Less than	Less than
A	0.15% or 20MV	0.15% or 20MV	0.50	1MV
B	0.15% or 20MV	0.15% or 20MV	0.025	1MV
*C	0.15% or 20MV	0.15%	.01	1MV
*D	0.15% or 20MV	0.15%	.005	1MV
E	0.15% or 0.3V	0.25% or 0.5V	6	3MV
F	0.15% or 0.3V	0.25% or 0.5V	3	3MV
G	0.15% or 0.3V	0.25% or 0.5V	1.5	3MV
H	0.15% or 0.3V	0.25% or 0.5V	0.75	3MV
J	1%	1%	10	10MV
K	1%	1%	10	5MV
L	1%	1%	4	10MV
M	0.15% or 0.1V	0.5% or 0.3V	2	8MV
N	0.1%	unregulated	3,300	2MV
P	0.1%	unregulated	17,500	5MV
Q	0.15% or 0.3V	0.15% or 0.3V	4	5MV
R	0.1%	unregulated	5,500	2MV
S	0.1%	unregulated	25,000	5MV

*100 to 130 VAC. All other Models 105-125 VAC

TABLE II

SIZES AND WEIGHTS

	Size H x W x D (inches)	WEIGHT Net (lbs)	WEIGHT Shipping (lbs)
S-1	3½ x 19 x 14⅜	35	65
S-2	3½ x 19 x 14⅜	55	85
S-3	7 x 19 x 14⅜	100	130
S-4	5¼ x 19 x 14⅜	53	80
S-5	7 x 19 x 14⅜	84	100
S-6	8¾ x 19 x 14⅜	120	140
S-7	5¼ x 19 x 8	19	23
S-8	10½ x 19 x 9¼	42	52
S-9	10½ x 19 x 14¼	89	140
S-10	8 x 14 x 6	19	23
S-11	12½ x 22 x 15	110	158
S-12	13 x 8¾ x 14½	49	85

GENERAL SPECIFICATIONS

Sufficient tolerance is incorporated in the specifications to allow for normal commercial component and tube deviations. Tube replacements may be made with any equivalent tubes meeting E.I.A. specifications.

INPUT 105-125 VAC, 50-400 CPS, single phase. Exceptions: Models 50, 50R and 71—105-125 VAC, 50-60 CPS, Models LA50-03A and LA100-03A—100-130 VAC, 60 ± 0.3 cycle.

DC OUTPUT *Voltage Range:* Continuously variable over ranges specified, except where otherwise noted.

Current Range: The current ranges given apply to the entire DC output voltage range, and for input voltages from 105 to 125 VAC, and in the case of LA models 100-130 VAC, no "de-rating" is necessary.

Polarity: Either positive or negative terminal may be grounded.

AC OUTPUT The AC output is unregulated, isolated and ungrounded. It has a value of slightly higher than 6.3 V (when fully loaded) at an input of 115 VAC. This value allows for voltage drop in connecting leads. Dual outputs may be connected in series or parallel.

DUTY CYCLE Continuous duty at full load

METERS Where meters are indicated, a separate voltmeter and milliammeter are provided.

OVERLOAD PROTECTION Ample protection is provided against external overload and internal failure conditions by means of fuses.

Circuit breakers of the magnetic, "trip-free" type are employed in Models 50, 50R, 71, LT and LA series, as protection against external overloads. And in the LT and LA series, the transistor complement is independently protected by special transistor circuitry.

STYLE Rack Models are designed for mounting on standard 19" relay racks.

Bench Models are provided with compact, specially-designed, ventilated cabinets equipped with carrying handles. The power supply units may be removed from their cabinets for mounting in standard relay racks (except Models 25, 26 and 71).

RATINGS AND COMPONENTS All components used are of the highest quality and are operated well within manufacturers' ratings. Hermetically sealed, oil-filled capacitors are used exclusively, except in LT series and LA series, where special high purity foil, long-life electrolytics are used. Hermetically sealed transformers designed to MIL-T-27A are used in the LA series, LT series and Com-Pak series. Ample safety factors are provided in the design to insure the long life, and the dependable, trouble-free operation so desirable in industrial and laboratory applications.

All specifications and prices subject to change without notice.

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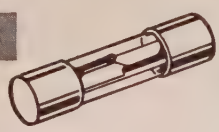
. . . You'll find the Type and Size Fuse you need

• • • IN THE COMPLETE LINE OF BUSS AND FUSETRON FUSES

The following is only a representative selection. The complete BUSS line of fuses includes: single-element, quick-blowing type; single-element for normal circuit protection type; dual-element, slow blowing type and signal or visual indicating types . . . ranging in size from 1/500 ampere up — plus a companion line of fuse clips, blocks and holders.

BUSS AGX FAST ACTING FUSES



¼ x 1 in. Glass tube 1/500 to 2 amp.

BUSS GLD SIGNAL ACTIVATING FUSES

¼ x 1¼ inch. Silverplated pin pops out when fuse is blown and activates signal or alarm.

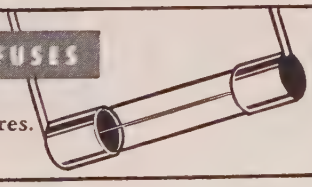
FUSETRON MDL FUSES

¼ x 1¼ inch. Dual-element — slow blowing type 1/100 to 30 amp.

BUSS ABC CERAMIC TUBE FUSES

¼ x 1¼ inch. High interrupting capacity fuses ¼ to 30 amp.

BUSS GJV PIG TAIL FUSES



⅛ to 6 amp. Solder into circuit wires.

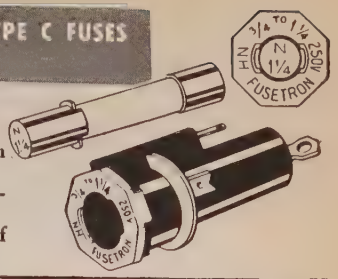
BUSS SFE STANDARD FUSES

Fuses of different amperages are different lengths — to make it impossible to insert too large a size.

FUSETRON FNM FIBRE TUBE FUSES

13/32 x 1½ inch. Dual-element — slow blowing type.

FUSETRON TYPE N and TYPE C FUSES and FUSEHOLDERS



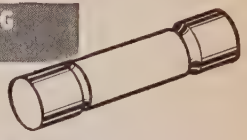
Especially suitable for protection of TV

Ears on fuses match slots in holder.

Marking on fuse and fuseholder in direct view.

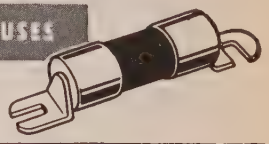
Safeguard against use of wrong size and type of fuse.

BUSS KTK HIGH INTERRUPTING CAPACITY FUSES



13/32 x 1½ inch. Capable of safely interrupting 68,000 amps.

FUSETRON ACK CLAMP TYPE FUSES

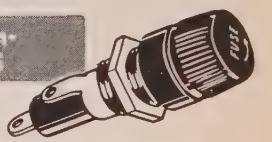


20 to 300 amp., Dual-element type.

BUSS ACO AIRCRAFT FUSES

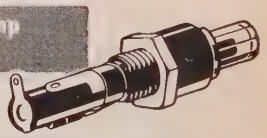
Mechanical Indicating — Limiter type 1 to 75 amp.

BUSS Series HJ and HK Non-Indicating FUSEHOLDERS



Panel mounted for ¼ x 1 inch and ¼ x 1¼ inch fuses.

BUSS Series HJ and HK Lamp Indicating FUSEHOLDERS

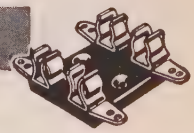


Panel mounted for ¼ x 1 inch and ¼ x 1¼ in. fuses.

BUSS No. 4051 ONE-PIECE CLIP and TERMINAL

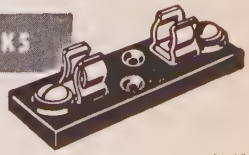
Solder type terminal for ¼ inch fuses.

BUSS No. 4409 FUSE BLOCKS



Small Base, solder type Side Terminals.

BUSS No. 4512 FUSE BLOCKS



Full Base, Screw type Terminals.

For more detailed information to help you select fuses and fuseholders to meet your electrical protection needs . . . Write for BUSS bulletin SFB.

Or tell us your problem and let our Fuse Engineers assist you in getting the protection you require.

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- **First** company devoted exclusively to the manufacture of custom-built and stock delay lines
- **First** in research, design and development of custom-built delay lines, variable delay lines and continuously variable delay lines.

LUMPED CONSTANT Delay Lines

Standard LC Series

This series has delay time/rise time ratios from 10 to 30 for delays of .25 usec. to 50 usec.

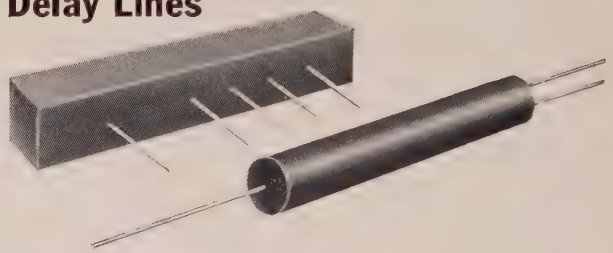
Millisecond Series

Long delay, low attenuation characteristics with delay time/rise time ratios from 20 to 50 for delays of 10 usec. to 5 msec.

Custom-Built

Custom-built Lumped Constant Delay Lines are available with delay time/rise time ratios as high as 170/1.

DISTRIBUTED CONSTANT Delay Lines



Cylindrical or rectangular (for printed board mounting) shapes.

Delays varying from .02 to 1.2 usec. covering impedance ranges from 100 ohms to 1,800 ohms, exhibiting excellent pulse characteristics—at low cost.

Custom-built, distributed lines are also available.

VARIABLE Delay Lines

Continuously Variable Delay Lines: 400 Series

Delays from .1 to .7 usec. with resolution better than .001 usec. Adjustable by 10 turns of the shaft. Dimensions: 6 17/32" x 5/8" x 1¼".

Step Variable Delay Lines: 200 Series

Step variable pushbutton-type units for rack mounting or in instrument cabinet, with delays available from 5 to 50 usec., with extremely low resolution and fast pulse rise time.

Continuously Variable Delay Lines: 500 Series

Delays from .9 to 15.0 usec. with resolution of 1/1,000 of maximum delay or less. Adjustable by 10 turns of the shaft. Dimensions: 7¼" x 1" x 1⅝".

Custom-Built

Custom-built Variable Delay Lines of all types and configurations are available.

COMPLETE LABORATORY REPORTS

With every delay line prototype, ESC gives you a complete laboratory report that includes submitted electrical requirements, photo-oscillograms (which indicate input and output pulse shape and output rise time), the test equipment used and an evaluation of the electrical characteristics of the unit.

For literature and technical data on any of these products, write to

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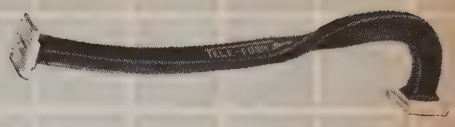
Distributed constant delay lines • Lumped constant delay lines • Variable delay networks • Continuously variable delay lines • Step variable delay lines • Shift registers • Video transformers • Filters of all types • Pulse-forming networks • Miniature plug-in encapsulated circuit assemblies

omplete R.F. transmission systems



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CAPABLE OF OVER
2 MEGAWATTS
PEAK PULSE POWER

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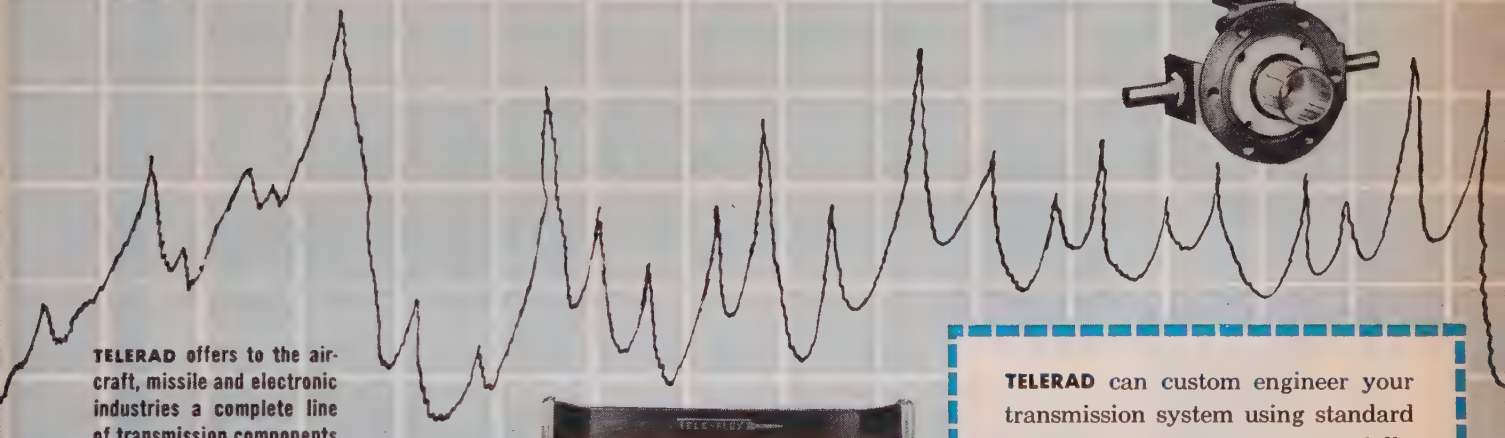

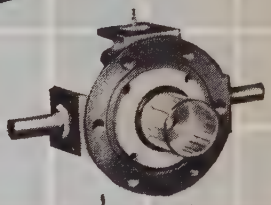

TELERAD offers to the aircraft, missile and electronic industries a complete line of transmission components and equipment designed and manufactured to the most exacting specifications. Waveguide products embrace L, S, C, X and K bands, while the rigid coax covers

all frequencies through S band. Whatever your transmission needs, no matter how tight your specification or schedule, **TELERAD** is your prime source for re-

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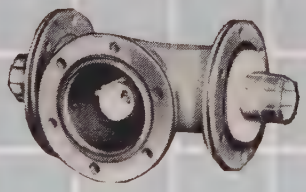

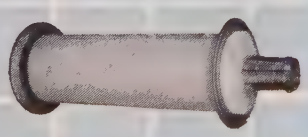

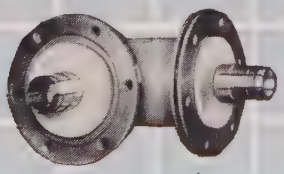

TELERAD can custom engineer your transmission system using standard components or components specially engineered to fit your requirements. If your system requirements include EIA standard RS-225, MIL-W-85c, MIL-L-3890, MIL-I-26600, MIL-F-3922 or others, **TELERAD** is your prime source for complete systems or components. Standard **TELERAD** components which may be necessary in your system are TELE-FLEX, TELE-TWIST, TELE-FORM, TELE-GUIDE, or ⅞ through 9 inch rigid coax. Special components such as directional couplers, mixers, duplexers, tuners, terminations or phase shift sections can be designed for your application. Send your transmission problems to **TELERAD** . . . *TODAY*.

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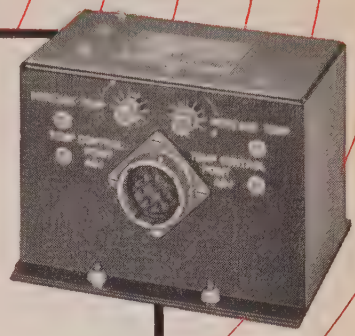
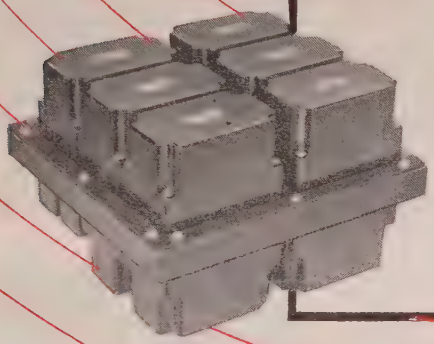
in heat control systems

Extremely compact proportional and switch-type heat control systems from Magnetic Controls Company are accurate to within .01° F. and are available in models to handle a wide variety of output requirements. Typical applications include gyros, inertial platforms, jet aircraft windshield anti-icing and anti-fogging systems, aircraft cabins, and guidance shipping containers.



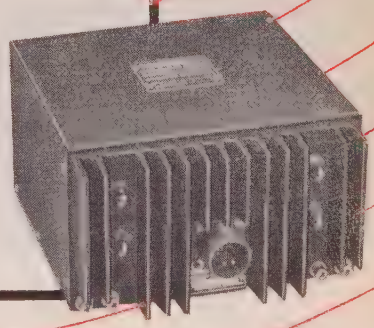


in voltage monitoring systems

The thousands of critical voltages in computers — which must be monitored in order to track missiles accurately — led to the voltage monitoring systems developed by Magnetic Controls Company. Use of highly sensitive, rugged magnetic amplifiers in these systems assures super-accurate response from varying load currents and line voltages.

in static inverters

Ultra-reliable static power inverters from Magnetic Controls Company utilize tuning-fork oscillators for precision frequency, plus transistor, silicon controlled rectifier and magnetic amplifier circuitry for stable power output. These super-accurate inverters are well suited for use in missiles, missile and rocket checkout systems, automation setups, jet ignition systems, gyro-wheel power supplies, computers and many other spaceborne, airborne and ground support applications.



If you have applications requiring super-accurate heat regulating, voltage monitoring or power inverting systems, it will pay you to contact Magnetic Controls Company. Write or phone today for complete information.

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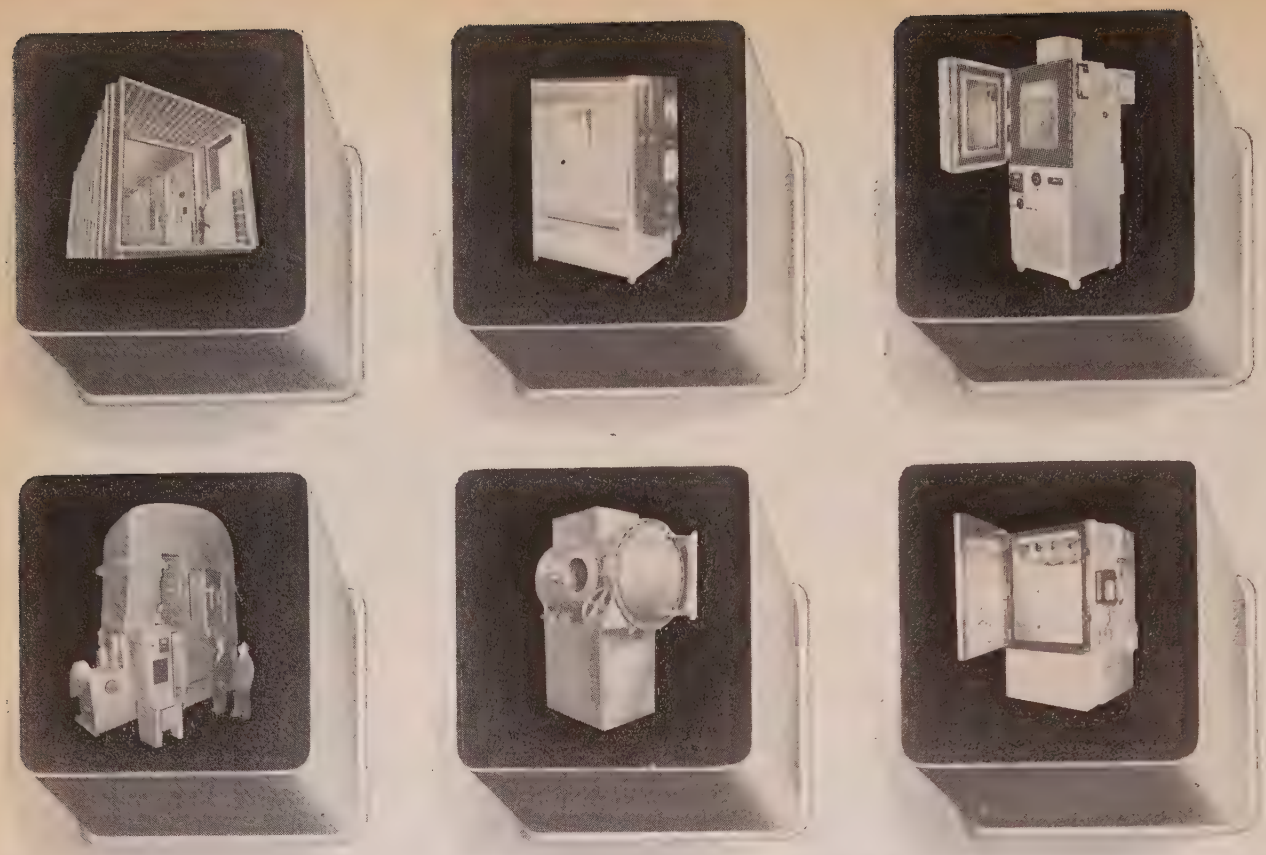
Heat Control Systems • Static Inverters • Voltage Monitoring Systems



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. . . any size, any shape, anytime!

No matter what environmental test chamber you need, this much is certain: Tenney either has it in stock or can adapt one of its proven prototypes. From chambers that could house a family of four, down to refrigerator size (and everything in between), you're sure to find the modern, push-button unit you need.

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Ask about Tenney's research and development, engineering consultation and design services.

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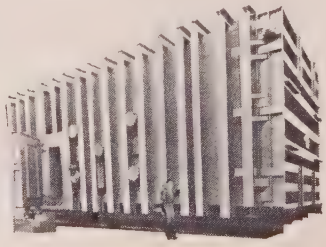
ENGINEERING, INC.



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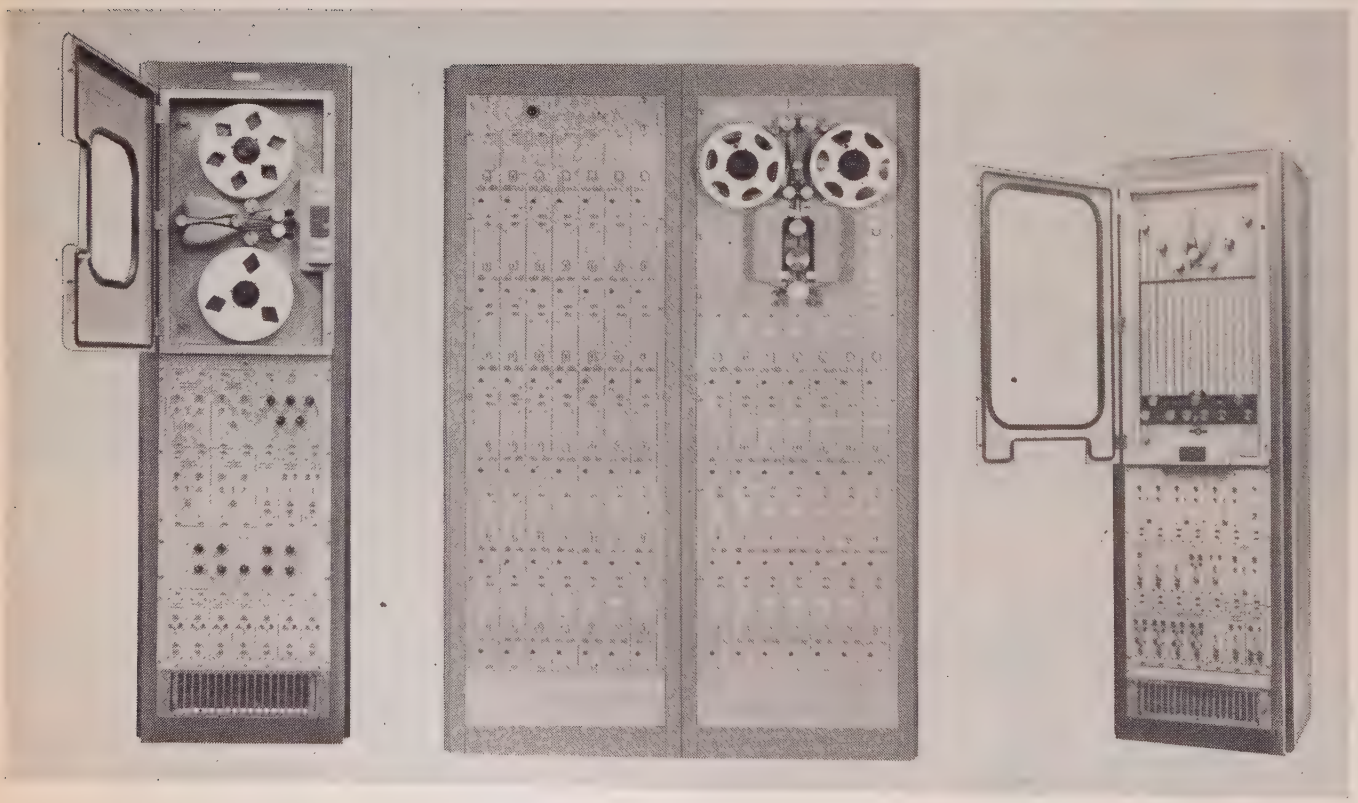
Customized systems from standard "building-block" components — the versatility of Telectro precision components is manifested in the many applications they serve, as well as in their ability to meet the users' present and future needs.

These Telectro modules can be selected to form the right system to meet your exacting requirements concerning frequency response and accuracy, number of channels, number of heads per transport, and many other specifications.



you can rely

INSTRUMENTATION

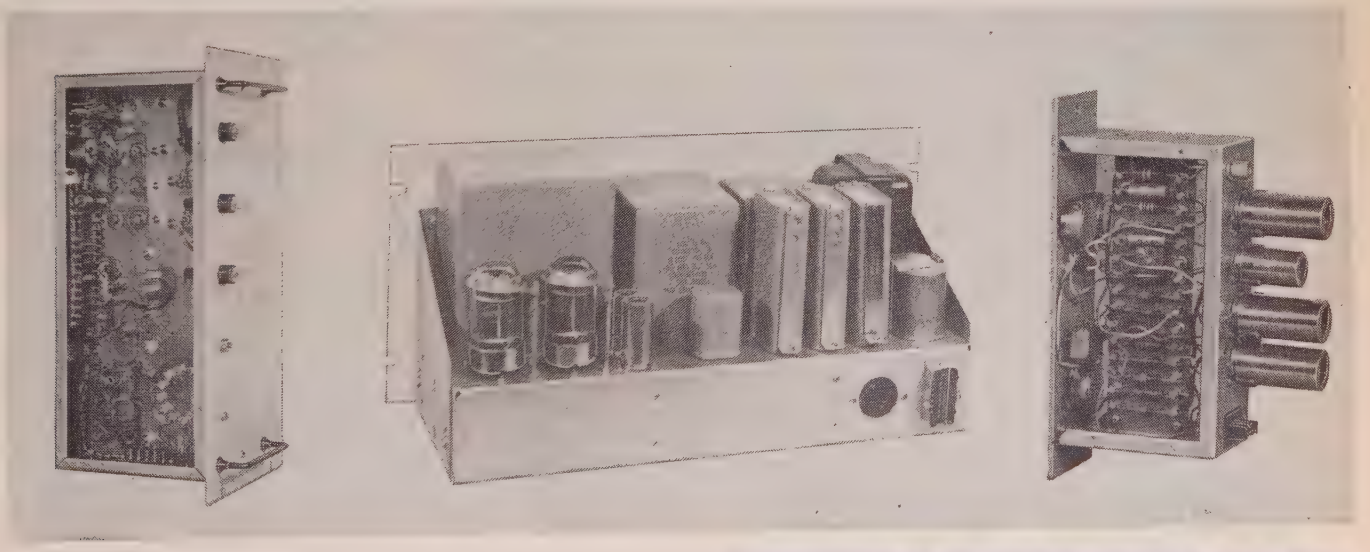
Series 2000 transports allow (1) use of same head for all speeds, (2) interchange of reel widths, and (3) interchange of standard or thin tapes.

A few of the many other features of Telectro 2000 series include: high system reliability; assured compatibility; tape-handling convenience; adjustable mechanical tape stops; electrical tape tension control, and choice of six tape speeds, selected electrically.

About Telectro — You can rely on the Telectro name behind the product. You can rely on the product if it has a Telectro name. Telectro's main business has been magnetic tape technology for over a decade. Its creativity in development engineering and skills in production engineering are manifested in the 4,000 tape recorders it has produced to the exacting requirements of the U. S. Air Force and Signal Corps. A rigid quality control system assures product uniformity, high standards of manufacture and performance.

Despite the many specific data handling applications that exist for precision magnetic tape instrumentation, Telectro Series 2000 systems can in most cases fulfill the exact requirements. This is accomplished by means of selecting the proper Telectro precision components to fit the need. Working in conjunction with a Telectro engineer you can in short order design your system with available components. Write Dept. EM for new technical brochure.

The 2000 Series



on the name **TELECTRO**

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35-18 37th Street, Long Island City 1, N. Y.

Exceptional Professional Opportunities for Engineers

ACE

Potentiometers - Trimmers

RELIABILITY IN MINIATURIZATION

ACEPOT®-500 ACEPOT X-500*

Sub-miniature, linear and non-linear potentiometers. Single turn unit, ½" size, ±2% resistance tolerance and ±0.3% ind. linearity.

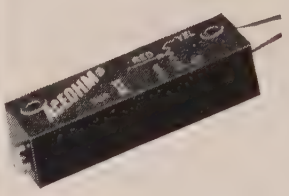
actual size

Size	½" x ½"
Weight	0.25 ounce
Resistance Range	2Ω to 500K
Resistance Tolerance	±2%
Linearity	±0.3% Ind. standard
Temperature*	−55°C to 125°C*
Mechanical Rotation	Continuous or with stops
Electrical Angle	325° std. ≷ available
Resolution	0.12% for 50 K Others comparable
Torque	.05oz./in. at 20°C (Bronze) .035oz./in. (Ball bearing)
Power	2W for 60°C rise or 2.5W for 65°C (X-500)
Mounting	Threaded bushing, servo, flush or flanged. Ganged up to 6 cups.

* X-500 standard high temperature potentiometer. Range: −55°C to 150°C.

ACEOHM®

Sub-miniature trimmers . . . high temperature, humidity proof for severe environment.



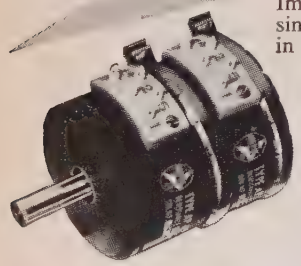
actual size

Size	1¼" x ¼" x 5/16" Standard Mounting holes
Weight	0.2 ounce
Resistance Range	10Ω to 75K — Special to 100K
Mechanical Rotation	25 Turns on lead screw, adjustable over 100% of winding
Power Rating	1.6W at 40°C Derates to 0 at 225°C
Temperature Range	−55 to 225°C
Resolution	.13% for 75K. Other resistances comparable
Dielectric Strength	1000 volt DC for 60 sec.
Load Life	1000 hours at 180°C
Capacitance	Extremely low distributed capacity (moulded hi temp. phenolic case & cover)

Completely sealed element. Meets and surpasses all applicable requirements of MIL-E-5272A and MIL STD. 202A.

ACEPOT®

Standard non-linear and linear potentiometers. 0.25% terminal conformity with out padding resistors. Immediately available in sine, cosine, square law and log functions in AIA sizes.



Typical Spec's:

	Sine-cosine	Double Sided Square-law
Size	3"	3"
Resistance	20K ±5% driving	25K ±5% driving
Conformity	½% pk-pk	±0.25%
Function angle	360°	±180°
Power	4 watts	3 watts
Mounting	Servo	Servo

Submit your design requirements to our Engineering Group for evaluation and quotations.

ACESET®

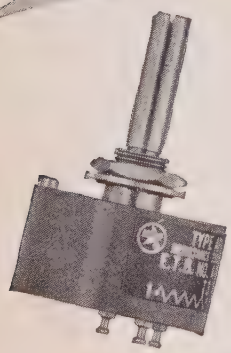
Sub-miniature Trimmers. Heat dissipation . . . 2 watts at 60°C. Immediate delivery in resistances of 50Ω to 50 K.

actual size

Size	½" x 5/16"
Weight	⅓ ounce, including lock washer and nuts
Resistance Range	50Ω to 100K ±10% std. tol.
Linearity	±5%
Temperature Range	−55°C to +125°C
Mechanical Rotation	330° Nominal
Electrical Angle	320° Nominal
Power	2 watts for 60°C. rise
Mounting	¼"-32 threaded bushing

ACEMHO®

Conductive plastic element. Infinite resolution. Extremely long life. No sudden open-circuit failure possible. Low, low noise. Meets JAN & MIL specs. Patents pending. In sizes from ½" to 1 5/16".



Size	1 5/16"
Weight	3.5 ounces
Resistance	to 250K ohm
Linearity	0.5% Ind. standard 0.1% Ind. special
Resolution	essentially infinite
Power	3W at 65 C
Mounting	bushing and servo

ACETRIM*

Sub-miniature trimmers . . . A wide range of resistances are available in this low-cost, space and weight saving unit.

actual size

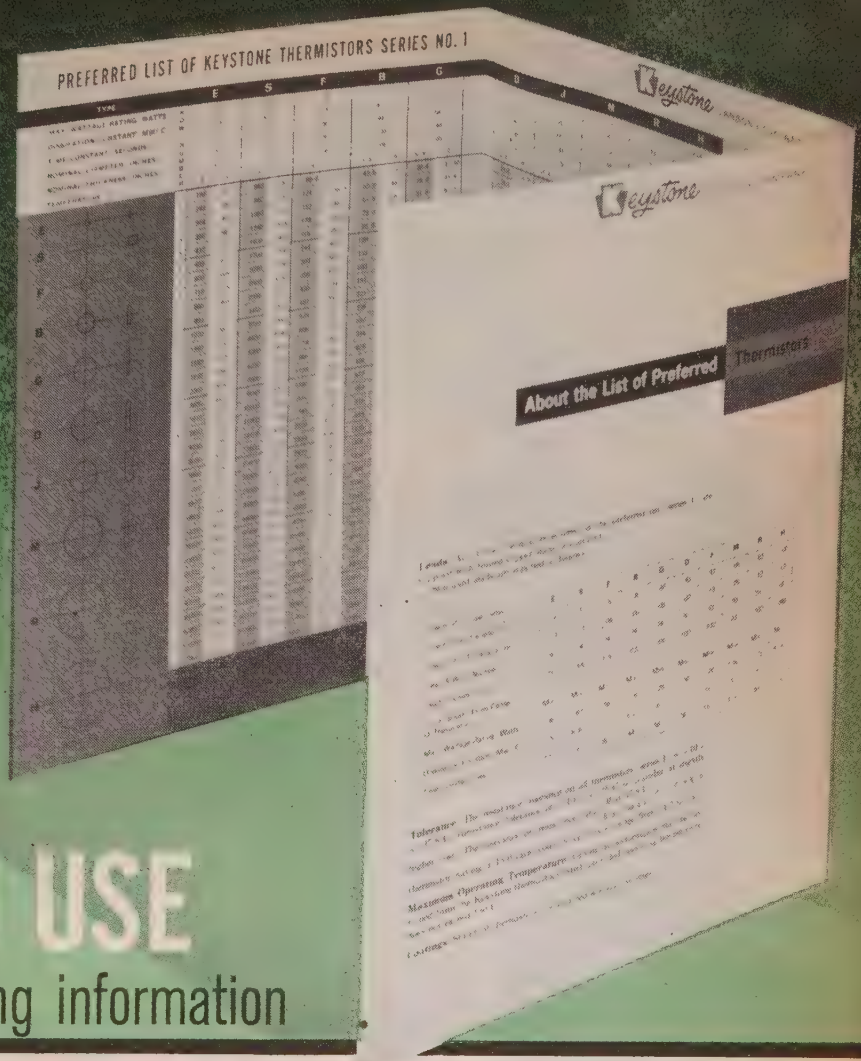
Size	½" x ½"
Weight	0.25 ounce
Resistance Range	2Ω to 250K ±5% std. tol.
Linearity	±3%
Temperature	−55°C to 125°C (to 150°C (X-500)
Mechanical Rotation	continuous or with stops
Electrical Angle	325° std. ≷ available
Power	2W for 60°C rise or 2.5W for 65°C
Mounting	Threaded bushing, printed circuit, flush, flanged, ganged.

* Trade Mark

Exact requirements for your particular applications, can be custom designed and mass produced with short lead time. All units are anti-fungus treated and fully sealed against dust, moisture and humidity. Meets applicable JAN-MIL specs including shock and vibration. Send us your specifications for engineering assistance on designs and applications. Complete Fact File and Application Data Sheets available on request. CALL, wire or teletype Dept. A3 at Ace Electronics Associates, Inc., 99 Dover Street, Somerville, Mass. SOmerset 6-5130, TWX SMVL 181.

ACEPOT®
ACETRIM™
ACESET®
ACEOHM®
ACEMHO®

ACE ELECTRONICS ASSOCIATES INC.



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BRC Precision Test and Measuring Instruments

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Q Meters

TYPE	FREQ. RANGE	Q RANGE	TUNING CAP. RANGE	Q ACCURACY	PRICE
260-A	50KC to 50MC	10 to 625	30 to 460$\mu\mu$f	5% to 30MC	$850.00
190-A	20 to 260MC	5 to 1200	7.5 to 100$\mu\mu$f	7% to 100MC	$875.00
280-A	200 to 600MC	20 to 25000	4 to 25$\mu\mu$f		

Q Comparators

TYPE	FREQ. RANGE	Q RANGE	L RANGE	C RANGE	R RANGE	PRICE
265-A	200KC to 70MC	30 to 500	.15μh to 15mh	5$\mu\mu$f to .01μf	500Ω to 20MΩ	$795.00

FM-AM Signal Generators

TYPE	FREQ. RANGE	OUTPUT RANGE	FM MOD.	AM MOD.	PRICE
202-E	54 to 216MC	0.1μv to 0.2 v	0 to 240KC	0 to 50%	$1125.00
202-G	195 to 270MC	0.1μv to 0.2 v	0 to 240KC	0 to 100%	$1100.00
225-A	10 to 500MC	0.1μv to 0.1 v	0 to 60KC	0 to 30%	$ 945.00

Sweep Signal Generators

TYPE	FREQ. RANGE	OUTPUT RANGE	SWEEP RANGE	AM MOD.	MARKERS	PRICE
240-A	4.5 to 120MC	1μv to 0.3v. Sweep 1μv to 0.1v. CW & AM	$\pm$1% to $\pm$30% of center freq.	30%	crystal and pip.	$1820.00

Aircraft VOR/ILS Signal Generators

TYPE	FREQ. RANGE	OUTPUT RANGE	MODULATION	MODULATING FREQ.	PRICE
211-A	88 to 140MC	0.1μv to 0.2v.	0-100% AM	400 & 1000 cps	$1890.00
232-A	329.3 to 335MC	1μv to 0.2v.	0-100% AM	90/150 & 1000 cps	$1990.00

Aircraft DMET/ATC Test Set

TYPE	FREQ. RANGE	OUTPUT RANGE	POWER RANGE
235-A	960 to 1215MC	—10 to —100 dbm	23 to 33 dbw

Transistor Test Set

TYPE	α RANGE	β RANGE	Hib RANGE	PRICE
275-A	0 to 0.9999	0 to 200	0.30 to 3000Ω	$935.00

RX Meters

TYPE	FREQ. RANGE	R RANGE	C RANGE	L RANGE	PRICE
250-A	500KC to 250MC	15Ω to 100,000Ω	0 to 20$\mu\mu$f	0.001μh to 100mh	$1525.00

Signal Generator Calibrators

TYPE	FREQ. RANGE	CALIBRATED INPUT	CALIBRATED OUTPUT	% AM RANGE	PRICE
245-C	500KC to 1000MC	0.025, 0.05, 0.1v	5, 10 or 20μv	10-100%	$390.00
245-D	500KC to 1000MC	0.025, 0.05, 0.1v	0.5, 1.0, or 2.0μv	10-100%	$385.00

Univerters

TYPE	FREQ. RANGE	OUTPUT RANGE	FM MOD.	AM MOD.	ACCESSORY TO:	PRICE
207-E	100KC to 55MC	1μv to 0.1v.	0 to 240KC	0 to 50%	202-E	$430.00
207-G	100KC to 55MC	1μv to 0.1v.	0 to 240KC	0 to 100%	202-G	$520.00
203-B	100KC to 25MC	1μv to 0.1v.	0 to 15MC	30%	240-A	$420.00

Film Gauge

TYPE	MEASURES	THICKNESS	PRICE
255-A	Non-magnetic Metals	0.000004" to 0.0002"	$575.00

BRC Precision Test Equipment is engineered and manufactured to the highest standards of the industry—standards that have made the BRC trademark a recognized symbol of precision and dependability throughout the world. Highly qualified representatives—specialists in electronic test equipment—stand ready to solve customer problems in every major foreign and domestic area. Write today for the illustrated BRC catalog.

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FALCON

Designs Assembly Savings Into Critical Miniature/Instrument Ball Bearings!

Helping customers *simplify* instrument assembly is a specialty of the N/D engineering group. How? Through *creative* Miniature/Instrument ball bearing application and design. Often, a new ball bearing design will produce assembly savings in excess of its additional costs. Integral ball bearings, too, very often cut down difficult and costly hand assembly of shaft and parts.

A timely example of N/D customer assembly savings can be seen in Nike Ajax and Hercules missile ground support. Here, *special* N/D Instrument ball bearings are now used in precision potentiometers. New Departure engineers recommended eliminating two *single row* instrument bearings, mounted in duplex and requiring precision spacer and separate guide roller. They replaced this assembly with a *special* N/D *double row* high precision instrument ball bearing with integral outer race guide roller . . . and shaft mounted with a nut. This *one* recommendation produced cost savings of over 400%! In turn, the customer was able to reduce the potentiometer selling price to the government. What's more, the New Departure Instrument Ball Bearings improved potentiometer reliability!

You can look to minimum assembly costs and unsurpassed *reliability*. Include an N/D Miniature/Instrument Bearing Specialist in your early design level discussions. For immediate information or assistance, call or write Department L.S., New Departure Division, General Motors Corporation, Bristol, Connecticut.

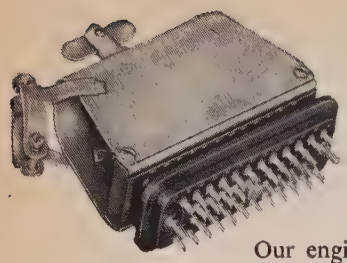
NEW DEPARTURE

MINIATURE & INSTRUMENT BALL BEARINGS

proved reliability you can build around

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



SPECIAL DESIGNS

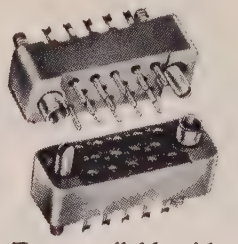
Our engineering department will be glad to design types to your exact specifications. Send us your requirements for analysis.

SERIES PC

PRINTED CIRCUIT*

Features exclusive "Bellow-form" Contacts and is available in 6 to 58 single or double row contacts. Various types for 1/16", 3/32", and 1/8" printed circuit boards. Wiring styles include eyelet lug for soldering, solderless wire wrap, taper pin solderless wiring, and contacts for dip soldering.

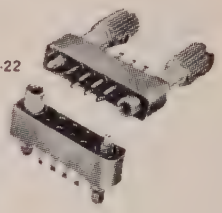
*PAT. NO. 2,875,425



SERIES 20

MINIATURE

A compact, lightweight connector available with a wide range of contacts from 4 to 104. Types available with coaxial contacts—50-ohm or 70-ohm matched impedance, hoods and protective shells.

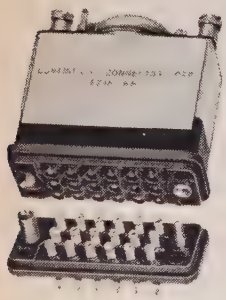


SERIES MM-22

MICRO-MINIATURE

Ultra miniaturization without performance loss. Ruggedized to withstand shock and vibration extremes. Available with 5, 7, 9, 11, 14, 20, 26, 29, 34 and 44 contacts for #22 AWG wire. 3 amps, 1800V RMS.

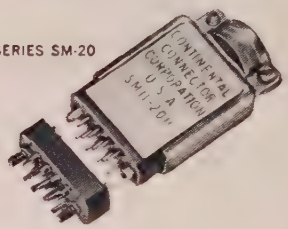
PRECISION CONTINENTAL CONNECTORS



SERIES E-Z, 14 & 16

POWER

Available in 12, 18, 24 and 34 contacts for #16 or #12 AWG wire or taper pin for solderless wiring. Spring loaded pin contacts for quick release. Supplied with polarizing screwlocks or standard guide pin and socket.

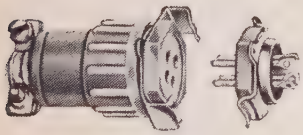


SERIES SM-20

SUB-MINIATURE

A rugged component, ideal where space and weight are at a premium. Available with 5, 7, 11, 14, 20, 26, 29, 34, 42, 50 and 75 contacts for #20 AWG wire. 5 amps, 1900V RMS. Aluminum hoods and protective shells also available.

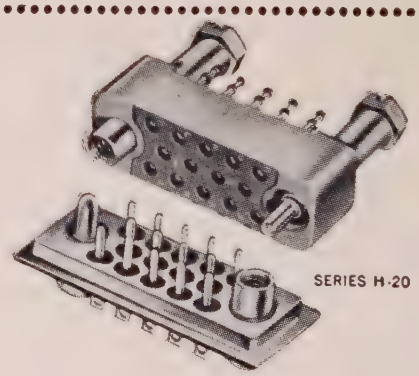
HERMETIC SEAL



SERIES HC-20

Series H-20—For high altitude applications. Plug contacts individually compression sealed in glass. Guide pin and guide socket, or polarizing screwlock available. Fits Series 20 receptaclesc.

Series HC-20—Hexagonal hermetic plug has solid glass insert. For pressurized electronic equipment. 4, 5, 7, 9 and 10 contacts.



SERIES H-20

CONTINENTAL CONNECTORS

High precision, dependable Continental Connectors have achieved a reputation for excellence throughout the missile, aircraft and electronics industries. The widest range of applications can be made from our standard line. For special requirements and technical data sheets on these Connectors, write Electronic Sales Division, DeJur-Amsco Corporation, 45-01 Northern Blvd., Long Island City 1, N. Y. (Exclusive Sales Agent)

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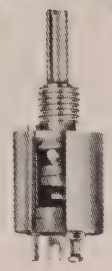
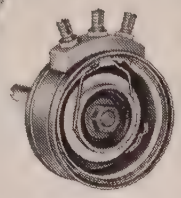
Potentiometers

Small but Accurate—unique design and production techniques assure exceptional functional accuracy.



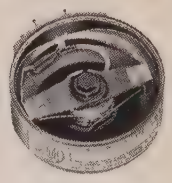
SERIES C-050

½". Sealed, sub-miniature type with one-piece metal case and bearing. Completely enclosed. Solid terminals, integrally cored with molded covers. Rotation: 320° electrical, 325° mechanical, 360° continuous.



SERIES C-078

⅞". Weight only ½ ounce. Independent linearity: ±1% of total resistance is standard. Linear or non-linear windings on flat card. Fully enclosed. Tolerance: ±5% standard, ±1% on order.

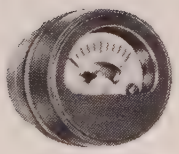


SERIES C-178

1⅞". Sine-cosine units with peak-to-peak accuracies to 0.25%. Independent brush contacts on common shaft, 90° apart. Ganged types available. Also 2" and 3" diameters.

Panel Instruments

Ruggedized . . . round or square—miniature high precision units meet reduced size and weight requirements of aircraft and electronic applications

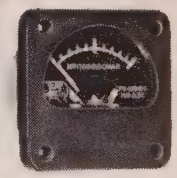


SERIES 100

1". Accuracy ±3% at full scale. Non-magnetic calibration. Scale length, 0.738". Background markings black or white, lance pointer, sealed solder lug terminals, aluminum housing. Watertight to meet MIL-M-3823 specs.

SERIES SC-031

½". Rugged, micro-miniature sealed unit. Includes external pivot D'Arsonval movement and high flux density Alnico magnet. Optional mounting, face plate and hex nut.



SERIES 131

1½". Ruggedized to withstand shock, vibration or thermal extremes. Meets MIL-M-10304 specs. Positive watertight seal of meter and terminal studs.

Write for detailed literature on complete lines.

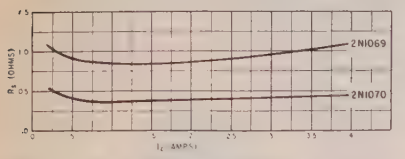
DeJUR
ELECTRONIC COMPONENTS

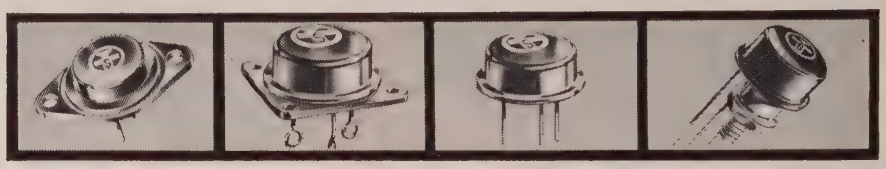
Manufacturers of Precision Electronic Components for Over 35 Years

SEMICONDUCTORS

HIGH POWER NPN SILICON TRANSISTORS

TYPICAL SATURATION RESISTANCE

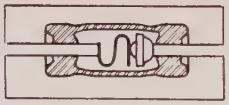




60 WATT	85 WATT	15 WATT	40 WATT
2N1069	2N389	2N1067	2N1047
2N1070	2N424	2N1068	2N1048
2N1487		2N1483	2N1049
2N1488		2N1484	2N1050
2N1489		2N1485	
2N1490		2N1486	

HIGH RELIABILITY SILICON GLASS DIODES

JAN TYPES	SIG. C. TYPES 1N643	MIL-E-1/1171
1N457	1N658	MIL-E-1/1160
1N458	1N662	MIL-E-1/1138
1N459	1N663	MIL-E-1/1139



SILICON DIODES—GENERAL PURPOSE TYPES

TYPE	MAX. FORWARD D.C. VOLT. V @ mA	MAX. REV. D.C. CURR. @ MAX. REV. WKG. VOLT. μA @ 25°C	μA @ 150°C	MAX. REV. WKG. VOLT.	MIN. REV. VOLT @ 100 μA & 25°C	MAX. AV. FORWARD CURR. @ 25°C mA	@ 150°C mA
1N456	1.0 @ 40	0.025	5	25	30	90	
1N457	1.0 @ 20	0.025	5	60	70	75	
1N458	1.0 @ 7	0.025	5	125	150	55	
1N459	1.0 @ 3	0.025	5	175	200	40	
1N461	1.0 @ 15	0.5	30	25	30	60	
1N462	1.0 @ 5	0.5	30	60	70	50	
1N463	1.0 @ 1	0.5	30	175	200	30	
1N464	1.0 @ 3	0.5	30	125	150	40	
1N482	1.1 @ 100	0.25	30	36	40	100	25
1N482A	1.0 @ 100	0.025	15	36	40	200	50
1N482B	1.0 @ 100	0.025	5	36	40	200	50
1N483	1.1 @ 100	0.25	30	70	80	100	25
1N483A	1.0 @ 100	0.025	15	70	80	200	50
1N483B	1.0 @ 100	0.025	5	70	80	200	50
1N484	1.1 @ 100	0.25	30	130	150	100	25
1N484A	1.0 @ 100	0.025	15	130	150	200	50
1N484B	1.0 @ 100	0.025	5	130	150	200	50
1N485	1.1 @ 100	0.25	30	180	200	100	25
1N485A	1.0 @ 100	0.025	15	180	200	200	50
1N485B	1.0 @ 100	0.025	5	180	200	200	50
1N486	1.1 @ 100	0.25	50	225	250	100	25
1N486A	1.0 @ 100	0.05	25	225	250	200	50
1N487	1.1 @ 100	0.25	50	300	330	100	25
1N487A	1.0 @ 100	0.1	25	300	330	200	50

Operating Temperature Range —80°C to 200° C Maximum power dissipation 250 mW @ 25° C

SILICON DIODES—FAST SWITCHING TYPES

TYPE	MAX. FORWARD D.C. VOLT. V @ mA	MAX. REV. D.C. CURR. @ MAX. REV. WKG. VOLT. μA @ 25°C	μA @ 100°C	MAX. REV. WKG. VOLT.	MIN. REV. VOLT. @ 100μA & 25°C	REVERSE RECOVERY
1N625	1.5 @ 4	1.0	30	20	30	400k Ω min. in 1 μ sec.†
1N626	1.5 @ 4	1.0	30	35	50	400k Ω min. in 1 μ sec.†
1N627	1.5 @ 4	1.0	30	75	100	400k Ω min. in 1 μ sec.†
1N628	1.5 @ 4	1.0	30	125	150	400k Ω min. in 1 μ sec.†
1N629	1.5 @ 4	1.0	30	175	200	400k Ω min. in 1 μ sec.†
1N658**	1.0 @ 100	0.05 @ 50V	25 @ 50V+150°C	100	120	80k Ω min. in 0.3 μ sec. ‡

†Switching from 30 mA to 35 volts. Modified IBM "Y" circuit.
‡Switching from 5 mA to 40 volts JAN 256 Circuit.
Operating temperature range —80°C to +150°C Maximum power dissipation: 200 mW @ 25° C Derate at 1.6 mW, °C above 25° C.

SILICON DIODES—CONTROLLED FORWARD TYPES

TYPE	FORWARD VOLT DROP @ 10 mA VOLTS	MAX. REV. D.C. CURR. @ MAX. REV. WKG. VOLTS μA @ 25°C	μA @ 150°C	MAX. WKG. VOLT	MIN. REV. V. @ 100 μA & 25°C	MAX. AV. FORWARD CURR. @ 25°C mA	@ 150°C mA
STC 101	.7 to .74	0.025	15	35	40	200	50
STC 102	.7 to .74	0.025	5	35	40	200	50
STC 103	.7 to .74	0.025	15	70	80	200	50
STC 104	.7 to .74	0.025	5	70	80	200	50
STC 105	.7 to .74	0.025	15	130	150	200	50
STC 106	.7 to .74	0.025	5	130	150	200	50
STC 107	.7 to .74	0.025	15	180	200	200	50
STC 108	.7 to .74	0.025	5	180	200	200	50

Operating Temperature Range—80°C to 200°C Maximum power dissipation 250 mW @ 25°C

HIGH POWER DIODES

1N645	1N646	1N647	1N648	1N649

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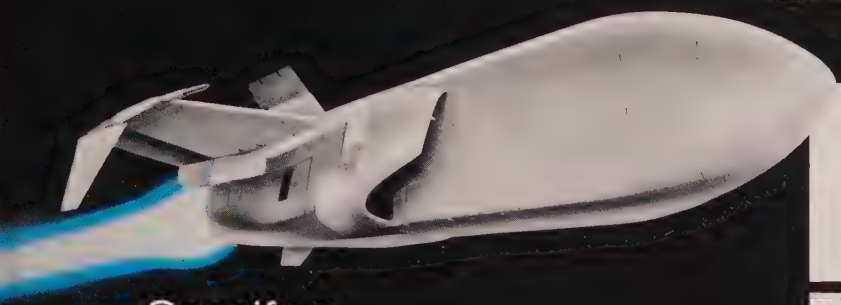
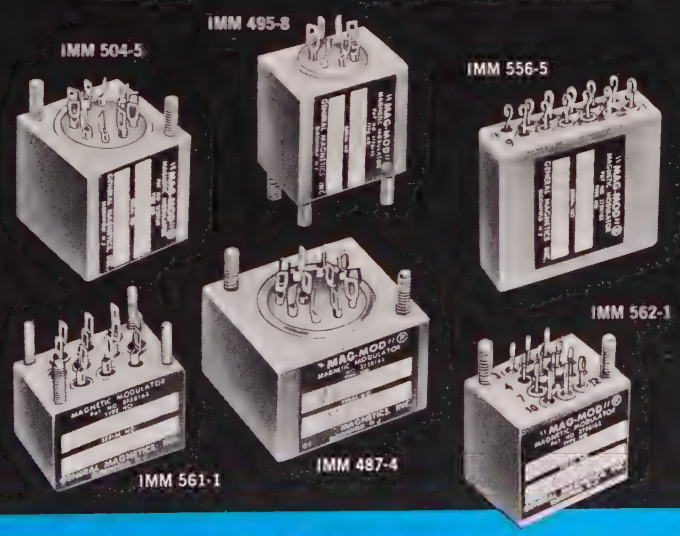
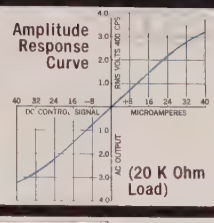
REPEATABILITY
SUPERIOR PERFORMANCE



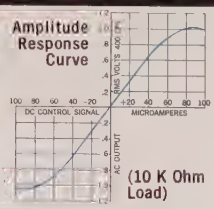
Specify —

"MAG MOD"® *miniaturized* MAGNETIC MODULATORS

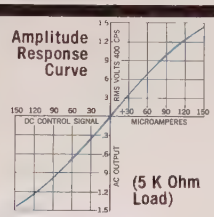




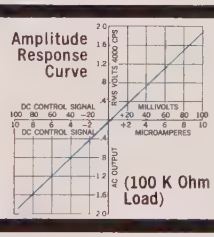
Input Magnetic Modulator
Type No. IMM 487-4
Subminiature "MAG MOD"® featuring high input signal sensitivity and high AC output impedance. Male or female mounting.



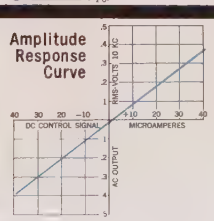
Input Magnetic Modulator
Type No. IMM 495-8
Subminiature "MAG MOD"® featuring wide band width, multiple signal input circuits, extreme zero stability from −65°C to +135°C, low null amplitude or noise level. Mounting available male or female.



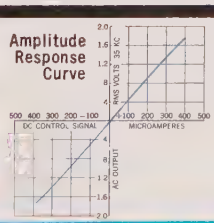
Input Magnetic Modulator
Type No. IMM 504-5
Subminiature "MAG MOD"® featuring low input and output impedance, resistance vs. temperature compensated input, extreme zero stability, repeatability and insignificant hysteresis. Supplied with male or female mounting.



Input Magnetic Modulator
Type No. IMM 562-1
Subminiature "MAG MOD"® featuring 4 KC carrier operation, wide frequency band width, high output impedance and voltage range. Mounting male or female.



Input Magnetic Modulator
Type No. IMM 561-1
Subminiature "MAG MOD"® featuring low carrier energy level operation, very wide frequency band width, wide output operating range, minimum size and weight. Mounting male or female. May be mounted directly on printed circuit boards.



Input Magnetic Modulator
Type No. IMM 556-5
Subminiature "MAG MOD"® featuring high frequency carrier operation (35 KC), flat construction for printed circuit mounting, low output impedance and clean output fundamental frequency wave form. Mounting supplied male or female.

Designed for Subminiature Circuit Assemblies and Printed Circuit Card Configurations

New miniature designs of these reliable "MAG MODS"® make them ideal for incorporation into transistorized printed circuit assemblies. There is no sacrifice of dynamic response. They offer the engineer/designer the solution to problems involved in a wide range of data systems where analog circuit operations are encountered. To insure complete flexibility, the mechanical mounting on any "MAG MOD" may be modified to conform to your particular packaging requirements.

- **1% repeatability throughout entire service life**
- **Negligible hysteresis**
- **Faster response time**
- **Extreme stability over a wide temperature range**
- **Infinite service life**
- **Extremely lightweight — compact design**

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135 BLOOMFIELD AVENUE, BLOOMFIELD, NEW JERSEY, U. S. A.

GM INC.

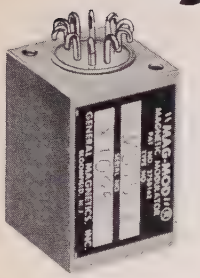
See reverse side for specifications

Specifications for General Magnetics' Sub-Ouncer Line of

"MAG MOD" miniaturized MAGNETIC MODULATORS

TYPE NUMBER	IMM 487-4	IMM 495-8	IMM 504-5	IMM 562-1	IMM 561-1	IMM 556-5
Excitation Carrier Voltage and Frequency	115 V @ 400 cps	115 V @ 400 cps	115 V @ 400 cps	2.5 V RMS @ 4 KC	1.0 V RMS @ 10 KC	6 to 10 V RMS @ 35 KC
Control Signal Winding DC Resistance	Winding No. 1 6200 ohms Winding No. 2 7400 ohms	Signal Winding No. 1 550 ohms Signal Winding No. 2 600 ohms	1000 ohms	Signal Winding 1300 ohms Feedback Winding 160 ohms	200 ohms	5000 ohms
Input Control Signal Range	0 to ±40 μa Each Winding	0 to +100 μa (Both Sig. Windings in Series)	0 to ±100 μa	0 to ± 100 μa 0 to ± 1 V Bipolar	0 to ±400 μa	0 to ±400 μa
Amplitude Modulated AC Output Range	3 V RMS @ 400 cps Phase Reversing	0 to 1 V RMS @ 400 cps Phase Reversing	0 to 1.5 V RMS @ 400 cups Phase Reversing	0 to 6 V RMS @ 4000 cps Phase Reversing	0 to 3 V RMS @ 4 KC Phase Reversing	0 to 1.8 V RMS @ 35 KC Phase Reversing
Differential Gain RMS mv AC Out/μa Signal In	100 mv/μa	15 mv/μa	10 mv/μa	200 mv/μa	10 mv/μa	4.2 mv/μa
Null Amplitude (Noise Level) mv RMS	25 mv RMS Maximum	5 mv RMS Maximum	10 mv RMS Maximum	30 mv RMS Maximum	10 mv RMS Maximum	20 mv RMS Maximum
Output Impedance	Approx. 30 K ohms	1600 ohms	1000 ohms	Approx. 70 K ohms	Approx. 40 K ohms	900 ohms Each Output Wind.
External Load (Suggested)	Approx. 20 K ohms	Approx. 10 K ohms	Approx. 5 K ohms	Approx. 100 K ohms	Approx. 100 K ohms	1000 ohms Each Output Wind.
Null Drift (In terms of Input Signal) −65°C to +135°C	Less than ±0.25 μa Over Temp. Range	Less than ±0.25 μa Over Temp. Range	±1 μa Maximum Over Temp. Range	±0.5 μa Maximum Over Temp. Range	±1 μa Over Temp. Range	±2 μa Over Temp. Range
Hysteresis (% of Input Control Signal)	0.5% Maximum	0.5% Maximum	0.5% Maximum	Approx. 0.5%	0.5% Maximum	0.5% Maximum
% Harmonic Distortion in Output AC Modulated Envelope	Approx. 40% (3rd Harmonic)	Approx. 25% (3rd Harmonic)	Approx. 30% (3rd Harmonic)	Approx. 15% (3rd Harmonic)	Less Than 10% (3rd Harmonic)	Approx. 5% (3rd Harmonic)
Overall Dimensions (In Inches)	1¼ x 1⅛ x ¾	¾ x 1 x 1	1 x 1 x 1	1 x 11/16 x ⅞	11/16 x 1 x ⅝	7/16 x 1⅜ x 1¼
Type of Mounting	4-40 Studs or Inserts	4-40 Studs or Inserts	4-40 Studs or Inserts	4-40 Studs or Inserts	2-56 Studs	4-40 Tapped Holes or Studs
Weight in Ounces	Approx. 1.25	Approx. 1	Approx. 1.1	0.75	0.6	1
Response Time (Band Width cps)	0.01 sec. for 15 K Sig. Source Imp. (12 cps Corner Frequency)	20 cps for 10 K Sig. Source Imp. 25 cps for 20 K Sig. Source Imp. (Both Sig. Windings in Series)	5 cps for 1 K Sig. Source Imp. 10 cps for 5 K Sig. Source Imp. 20 cps for 10 K Sig. Source Imp.	70 cps for 10 K Sig. Source Imp. (Time Constant Approx. 2 Milli-Seconds)	Corner Frequency 2 KC for Sig. Source Imp. of Approx. 6 K ohms	Corner Frequency 200 cps for 600 ohm Signal Source Imp. or 1000 cps for 5 K Source

Magnetic Multiplying Modulator Model MCM 515-1



The MAGNETIC MULTIPLIER is a miniaturized magnetic modulator specifically designed to deliver an analog output voltage which is the continuous product of two variable input voltages. One of these is an excitation voltage which varies over a pre-determined range; in this case, 0 to 1 VRMS 400 cycles per second. The other signal is a DC current which varies between 0 and ±400 μa. The output voltage is 400 cycles AC, and is always in phase or 180° out of phase with the variable excitation or fixed reference, i.e., in phase when the variable amplitude DC signal is positive, and 180° out of phase when the DC signal is negative. The general schematic is illustrated in Fig. 1. The relationship between variable alternating supply signal voltage E_S, variable direct current control signal E_C, and the alternating load voltage E_L having a sinusoidal wave shape is denoted by the equation—

$$E_L = \text{Constant} \times E_S \times E_C.$$

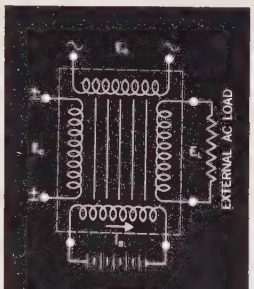


Figure 1

This expression, which defines the fundamental principle of the four quadrant MAGNETIC MULTIPLYING MODULATOR, can be clearly illustrated by linear transfer response curve families as shown at right, in Figure 2-A and Figure 2-B.

Illustrating:

(1) Load voltage E_L as a function of alternating supply signal voltage E_S with control DC signal voltage E_C as a parameter.

(2) Load voltage E_L as a function of control DC signal voltage E_C with alternating supply voltage, E_S as a parameter.

With linearity response curves held to within approximately 1 to 2% of theoretical straight lines, the product accuracy of the fundamental equation will be within 2 to 5% of the theoretical product.

SPECIFICATIONS MODEL MCM 515-1	
Variable Excitation Carrier Voltage and Frequency	Variable AC Signal 0 to 1 V RMS 400 cps
Control Signal Winding DC Resistance	DC Signal Winding Resistance 2650 ohms
Input Control Signal Range	Variable DC Signal 0 to ±400 μa
Amplitude Modulated AC Output Range	0 to 0.9 V RMS @ 400 cps Phase Reversing
Null Amplitude (Noise Level) mv RMS at Max. AC Excitation	5 mv RMS
Output Impedance	Approx. 3500 ohms
External Load (Suggested)	Approx. 25 K ohms
Null Drift (In terms of Input Signal) −65°C to +135°C	±2 μa over Temperature Range
Hysteresis (% of Input Control Signal)	0.5% Maximum
% Harmonic Distortion in Output AC Modulated Envelope	Less than 5%
Overall Dimensions (In Inches)	27/32 x 27/32 x 1 3/16
Type of Mounting	4-40 Insert or Stud
Weight	Approx. 1 Ounce

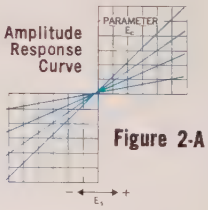


Figure 2-A

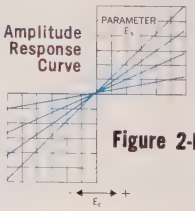


Figure 2-B

Typical "Mag Mod"® Applications—Circuit applications for MAGNETIC MODULATORS include algebraic addition, subtraction, multiplying, raising to a power, controlling amplifier gain, mechanical chopper replacement in DC to fundamental frequency conversion, filtering and low signal level amplification.

Consult General Magnetics—For magnetic amplifier components of proven reliability. These dependable instruments are widely employed in automatic flight systems, fire control, analog computers, guided missiles, nuclear equipment, antennas, gun turrets, commercial power amplifiers and complete control systems. Miniature, subminiature, standard and customized types available.

Call or write for new Brochure 102 on "MAG MOD" Miniaturized Magnetic Modulators and Magnetic Multiplying Modulators. Please address inquiries on company letterhead.

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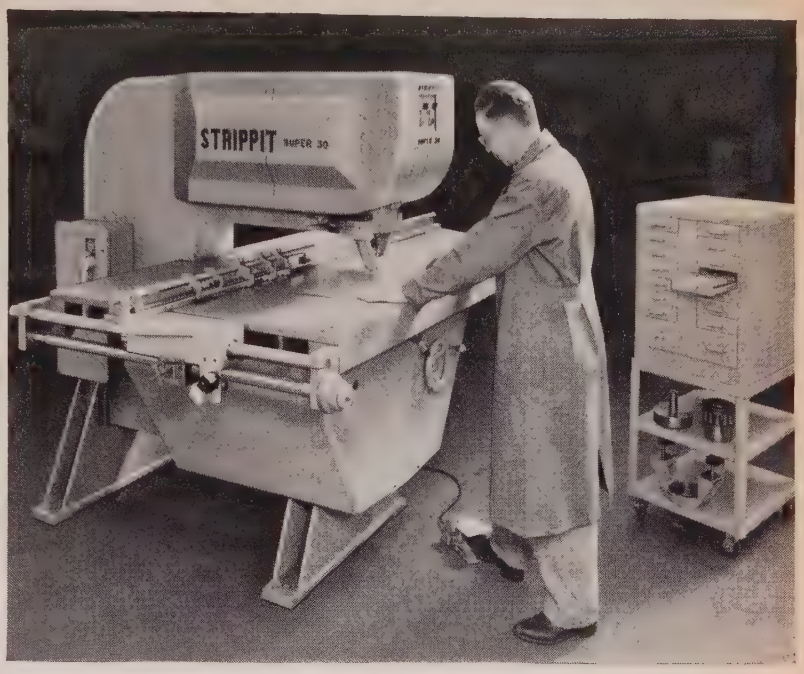
THE STRIPPIT SYSTEM

...for high-profit, low cost production of sheet metal parts and printed circuit boards

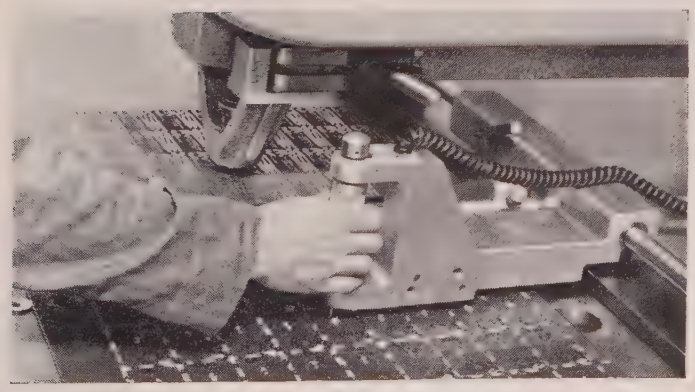
PUNCHING • NOTCHING • NIBBLING • DRILLING

Model 15A Strippit Fabricator with the new Electro-Hydramatic Head and a 15″ throat depth.

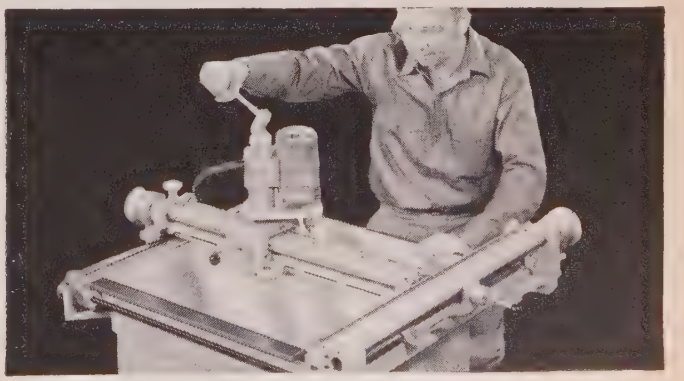


The new Strippit Super 30 Fabricator also has an Electro-Hydramatic Head, a 30″ throat depth and many other exclusive features.

STRIPPIT FABRICATORS FOR SHORT OR PILOT RUNS — are amazingly versatile machines which punch any sheet material up to ¼″ mild steel. They produce clean, burr-free work with minimum time-out between jobs. Standard interchangeable tools or "specials" are ready for instant use in the universal tool holder. Multiple-stop gauging ensures exact work positioning in seconds. Close-centered hole clusters, all types of notches, square or contour nibbled cutouts are easy, profitable operations on a Strippit Fabricator.



STRIPPIT DUPLICATOR FOR PRODUCTION RUNS — equips the Fabricator for medium-run production of precision sheet metal parts or cold-punched printed circuit boards — without custom dies. Functioning like a pantograph, it reproduces any hole pattern from a drilled or punched template. Two other accessories — the Microbar Assembly and the Dupl-O-Scope — are used to make accurately punched templates or "one-of-a-kind" workpieces.



STRIPPIT FLEX-O-DRILL DRILLS, REAMS, SCRIBES AND CENTER PUNCHES — with tool room accuracy. It eliminates the need for base line drawings and vernier height gauge layouts. The Strippit Flex-O-Drill can handle stock up to 24″ width, any length and any material up to ¼″ mild steel. With this machine, layout and template making time can be cut 50% or more. It is also a proved money-saver on pilot runs or low unit production.

WRITE TODAY — We will show you how you can effect major savings with the Strippit System of fabrication.

A UNIT OF HOUDAILLE INDUSTRIES, INC.

WALES **STRIPPIT** INC.

244 Buell Road • Akron, New York

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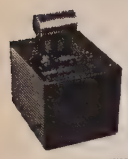
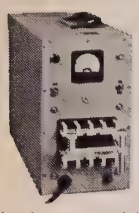
▸ TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

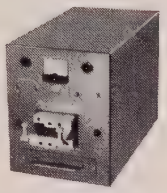
For MAGNET CHARGING, TREATING and CALIBRATION



MODEL 1221 is used for small magnets. Its 10,000 ampere-turn output will saturate about 2" of Alnico V. Operates by condenser discharge method thru plug-in fixtures. Uses only 30 watts at 115 v. For continuous duty; charging cycle averages 3 sec. Price $195.



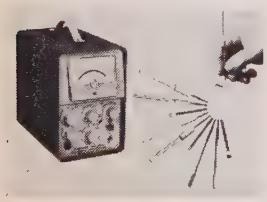
MODEL 107A is a versatile, condenser discharge magnetizer for most medium size magnets of either simple or complex pole configuration. It provides ranges of 12,000 and 24,000 ampere-turns and is capable of saturating most instrument magnets, including the core type mechanisms, using the standard flat bar, adapters or wire-wound fixtures. Can be used for continuous duty production magnetizing; average charging cycle is under 5 sec. Weight is 75 lbs. Size 12 x 7 x 17. Operates from 115-volt, 60-cycle line. Price $590.



MODEL 1500 is designed for production, research and instrument repair work. It will magnetize the new cobalt platinum and barium ferrite materials as well as all the Alnicos. It will saturate large switchboard meter assemblies and all panel type instruments and uses most existing adapters designed for the Model 107A. Wire-wound fixtures are plugged into the front panel through a safety interlock system providing maximum operator protection. Operates from 115-volt, 60-cycle line. Size 11 x 20 x 15; weight 125 lbs. Price $995.

MODEL 942 will saturate Alnico magnets weighing up to 34 lbs. and high flux ceramic magnets of any shape or pole configuration. Operates on condenser discharge principle from regular 115-volt, 60-cycle line. Produces charging outputs (depending on number of 100 µf condensers employed) from 100,000 to 200,000 ampere-turns through plug-in transformers, up to 3600 watt-seconds using wire-wound fixtures. Adapters for multi-pole rotors, rod, bar, ring and various other shapes available. Equipped with extensive system of safety interlocks for complete operator protection. Designed for continuous production use with low power consumption. Price of basic unit is less than $2100.

MODEL 889A de-magnetizes saturated magnets to any desired level of flux. Provides a precision method for rapidly treating permanent magnets, including the new core type instrument mechanisms. Used with Model 206A Booster or Model 107A Charger. Price $247.

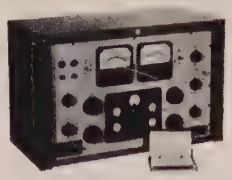


Ten rigid and flexible, flat and axial (Bi and InAs) probes shown offer selection to solve almost any magnet or flux field measurement problem. Axial probes supplied w/ spec. ref. magnets. Prices from $30 to $180.

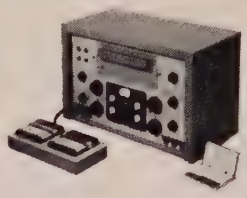
MODEL 1295A transistorized Gaussmeter measures magnetic fields to ±3% accuracy over 9 full-scale ranges: 0-100, 200, 500, 1K, 2K, 5K, 10K, 20K and 20K+ gausses. Operates from 115-V, 50-400 cps or access. bat. Price with 1000-gauss ¾% ref. magnet $390.

For ELECTRICAL INSTRUMENT CALIBRATION

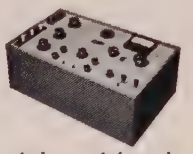
A Model for Every Purpose and Price Range



MODEL 829 checks AC and DC meters of all types and ranges. Compact cabinet contains power supply, special Weston standard meters, Wheatstone Bridge and all circuits for quick, convenient instrument calibration to 0.5% accuracy by non-technical personnel. Automatic protection for both operator and instrument under test is provided by interlocks and high voltage discharge circuits. Net price $2650.



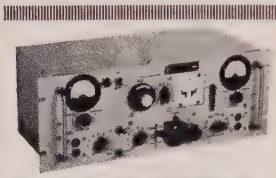
MODEL 829A is a higher accuracy version of the Model 829. Separately housed, horizontally mounted Weston or Sensitive Research Standard meters are employed in place of the vertical standards. Full-scale accuracy on all AC and DC ranges is 0.25%. Covers 1.5 mv — 1500 V, 1.5 ma — 20 amp. AC; 0.25 mv — 2000 V, 2 uA — 20 amp. DC. Price $3150.



MODEL 1605 is a self-contained, AC-DC calibration/transfer standard capable of measuring AC (up to 50 kc) and DC voltages and currents up to 1500 volts and 15 amperes with high precision. It includes a volt-box, shunt-box, precision potentiometer, standard cell, galvanometer, thermal converter, plus all necessary compensating and switching circuits. 45 full-scale ranges are provided. Calibrated accuracy: ±0.03% DC, ±0.05% AC. Price $2450.

Nine additional, self-contained console type calibration standards having various accuracies and employing both electrical and electronic circuits are available. They offer three basic methods of calibration: visual comparison against a standard meter, digital presentation, and introduction of a selected, precise voltage or current to the instrument being calibrated. Models are 260C, 261B, 262B, 454, 643, 1294, 1487, 1900 and 1967. Prices from $5000 to $20,000.

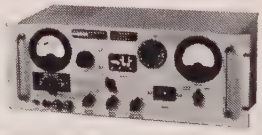
For CRYSTAL TESTING



FOUR MODELS developed for Signal Corps under national crystal testing standardization program to measure resonance and anti-resonance resistance of quartz crystals including those covered by MIL-C-3098B. Capacitance, inductance and PI of crystal can be determined.

MODEL 459A (Improved TS-330/TSM) covers 800 kc to 15 mc, for 0.002% crystals, 0-9900 ohms. Operates from 115/230 v, 50-1000 cps. Price $1175.

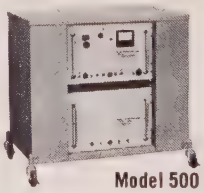
MODEL 531 (TS-683/TSM) Crystal Impedance Meter covers range of 10-140 mc for 10-150 ohm crystals. Twelve fixed calibrating resistors of 10, 22, 30, 40, 51, 60, 68, 82, 91, 100, 120 and 150 ohms, plus a 100-ohm var. resistor for determining crystal resistance. Anti-resonance adapter also provided. Operates from 115/230 v, 50-1000 cps source. Price $725.



MODEL 541A (TS-710/TSM) for 10-1100 kc range crystals with resistances from 200 ohms to 0.5 megohms. An internal load capacitance is calibrated from 15 to 105 mmf with accuracy better than ±0.5 mmf. Power dissipated in crystal measured by built-in VTVM and ohmmeter. For 115/230 v, 50-1000 cps operation. Price $950.

MODEL 1207 (AN/TSM-15) covers range of 75-200 mc for 10-125 ohm crystals. Crystal voltage at series resonance is measured within 10%, effective resistance within ±5 ohms, and the power calculated. 18 C_0 cancellation inductances and 1 uncompensated var. resistor supplied; 5 compensated var. resistors available. 115/230 v, 50-1000 cps. Price $1295.

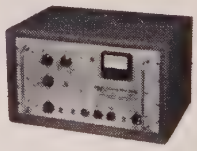
POWER SUPPLIES



Model 500

MODEL 500 is a single phase, 500 VA supply with choice of 4 plug-in osc. for combinations of variable output power, frequency and voltage. Has high stability, low harmonic distortion and excellent voltage regulation. Output frequency range 40-3000 cps; output voltage 0-130; harmonic distortion better than 0.5% at 200 VA to less than 1% at 450 VA; amplitude regulation 0.5% for 5% line kick. Price $1550.

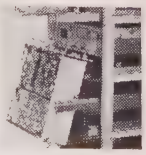
Model 150



MODEL 150 is a stable, 1 phase, 150 VA supply with choice of LC regulating osc. producing output frequencies from 380-2400 cps at 115 volts or a precision 400 cps ±0.01% osc. Price $595.

SPECIAL HARDWARE

Chassis Slides H-5798



Will support 200-lb. chassis, quickly removable by pulling two pins. Complies w/ MIL Specs; has Iridite on cadmium plated steel rails, bronze rollers, stainless steel pins, nylon bushing. Price according to quantity ordered.

Sealnuts

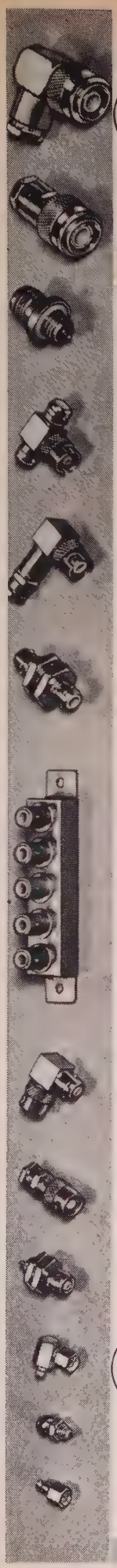
Seal out Water, Dirt & Corrosion

Mount and seal electrical switches. Eleven styles fit most toggle, rotary and push-button types; provide metal-to-metal contact w/panel; Silicone sleeve and O-ring seal against 200 psi ext.; stay flexible at −65°C; comply w/MIL-B-5423.

Model 10 Cart

Inside shelf adjusts any vert. position for 2-level support of equipment; interior is 33 x 16½ x 26. One side takes 19" panels per RETMA standards. Heavy gauge steel w/baked enamel over prime coat. Acc. drop-leaf shelf fits either side.

Radio Frequency LABORATORIES, INC.
Boonton, New Jersey, U. S. A.



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Manufacturing Corporation

For Your

CONNECTOR DESIGNS

- **Coaxial cable RF connectors**
- **Aircraft fuel quantity gauging DM connectors (MIL-C-25516/USAF)**
- **Ultra miniature *lotacon* series 50, 70, and 93 ohm for all preferred miniature coaxial cables**

TED Manufacturing Corporation builds 3 complete lines of miniature and sub-miniature coaxial cable connectors with adapters to BNC, TNC, and other popular series. Matched impedance design and conventional design series. Available with teflon, glass or ceramic insulation. From automatic screw machines through hermetic, glass to metal seals and specification plating, TED production is complete, under one roof.

COMPLETE ENVIRONMENTAL TEST FACILITIES

Vibration—shock—salt spray — mass spectrometer — temperature — altitude — micro sectioning—humidity—fungus —Hi Pot—V.S.W.R.—Insulation resistance.

Write for Data Sheets

TED

Manufacturing Corporation

11415 Johnson Drive
Shawnee, Kansas
(Phone Kansas City, HEdrick 2-7470)

The New FERRANTI TR5 Transistorized Tape Reader

This is an advanced design embodying broad experience gained from earlier Ferranti tape reader models.

It employs new transistorized circuits and a photoelectric system of reading . . . offers the advantage of speedier input of data, compactness, light weight.

Many design features to meet practical requirements of the user. Power supply is self-contained.

Write for detailed information.

TAPE WIDTHS:
5, 6, 7 or 8 level, all types and colors.

SPEED:
Any speed up to 330 chars/sec, under external control.

ELECTRONICS:
All solid state, including solar cell reading head, signal amplifiers, logical circuits, control circuits and power supplies.

INPUTS:
115V 60 cps 115 Watts power, −2 V 100 microamp start signal.

OUTPUTS:
8 signal outputs, 1.5 to −3.5 V 5 milliamps plus reader ready signal.

SIZE:
9½" x 11½" x 16"
Weight 32 lbs.

FINISH:
Gray wrinkle.

FERRANTI

FERRANTI ELECTRIC, INC.
ELECTRONICS DIVISION
95 MADISON AVE., HEMPSTEAD, N.Y.

BASIC BUILDING BLOCKS FROM KEARFOTT

FLOATED RATE INTEGRATING GYROS

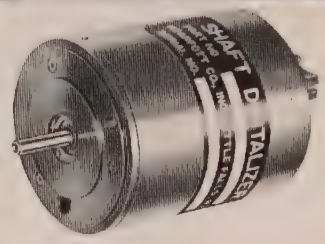
Specifically designed for missile applications, these Kearfott miniature gyros operate efficiently at unlimited altitudes. Their outstanding accuracy and performance make them superior to any comparably-sized units on the market. Hermetically sealed within a thermal jacket, these gyros are ruggedly designed and completely adaptable to production methods. Performance characteristics that are even more precise can be provided within the same dimensions.

TYPICAL CHARACTERISTICS

Mass Unbalance:
Along Input Axis: 1.0°/hr maximum untrimmed
Standard Deviation (short term):
Azimuth Position: 0.05°/hr
Vertical Position: 0.03°/hr
Drift Rate Due to Anisoelasticity
Steady Acceleration:
.015°/hr./g² maximum
Vibratory Acceleration:
.008°/hr./g² maximum
Damping:
Ratio of input angle to output angle is 0.2
Characteristic Time:
.0035 seconds or less
Weight: 0.7 lbs.
Warm-Up Time:
10 minutes from −60°F
Life: 1000 hours minimum

Write for complete data.

BASIC BUILDING BLOCKS FROM KEARFOTT



ANALOG-TO-DIGITAL CONVERTERS

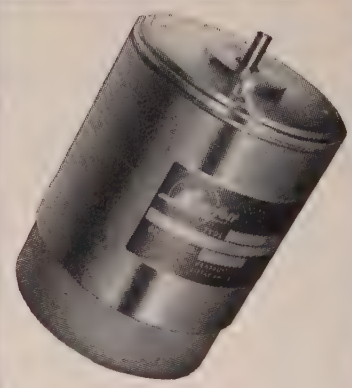
Kearfott's rugged shaft position-to-digital converters are resistant to high shock and vibration and high and low temperature environments. Ideally suited for missile applications, these converters are available for many uses, including latitude, longitude, azimuth or conventional angular shaft displacement conversion and decimal count conversion. Exclusive drum design provides large conversion capacity in smallest size. Combination counter converter assemblies for both visual and electrical readout also available.

TYPICAL CHARACTERISTICS

Kearfott Unit No. P1241-11A
Code .....Cyclic Binary
Range ..... 0-32,768 (2^{15})
Bits per Revolution 16
Revolutions for Total Range 2,048
Volts D.C. 10.5
Current (ma.) 20
Inertia (gm. cm.²) 20
Unit Diameter (in.) 1 7/16
Unit Length (in.) 3
Life 10^6 Revolutions or 10^3 hours
Static Torque (in.-oz.) .. 2 (break)
1 (running)
Weight (oz.) 5
Maximum Speed (RPM) 600

Write for complete data.

BASIC BUILDING BLOCKS FROM KEARFOTT



20 SECOND SYNCHRO

This synchro, just one of a broad line offered by Kearfott, provides the extreme accuracy required in today's data transmission systems. Kearfott synchro resolvers enable system designers to achieve unusual accuracy without the need for 2-speed servos and elaborate electronics. By proper impedance, matches up to 64 resolver control transformers can also operate from one resolver transmitter.

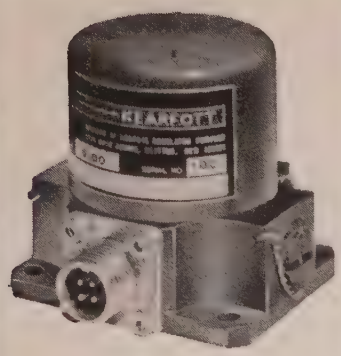
TYPICAL CHARACTERISTICS — SIZE 25

	Transmitter	Control Transformer
Type Resolver	Transmitter	Control Transformer
Part Number	Z5161-001	Z5151-003
Excit. Volts (Max.)	115	90
Frequency (cps)	400	400
Primary Imped.	400/80°	8500/80°
Secondary Imped.	260/80°	14000/80°
Transform. Ratio	.7826	1.278
Max. Error fr. E.Z.	20 seconds	20 seconds
Primary	Rotor	Stator

Write for complete data.

Kearfott is your most dependable source for a complete line of servo and synchro components, gyros, analog and digital computers and their components, ground support equipment and guidance systems.

BASIC BUILDING BLOCKS FROM KEARFOTT



ELECTROHYDRAULIC SERVO VALVE

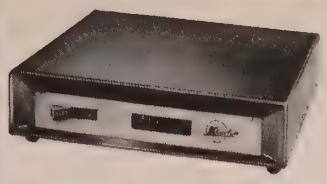
Kearfott's unique approach to electrohydraulic feedback amplification design has resulted in a high-performance miniature servo valve with just two moving parts. Ideally suited to missile, aircraft and industrial applications, these anti-clogging, 2-stage, 4-way selector valves provide high frequency response and proved reliability even with highly contaminated fluids and under conditions of extreme temperature.

TYPICAL CHARACTERISTICS

Quiescent Flow ..... 0.15 gpm
Hysteresis .. 3% of rated current
Frequency Response 3 db @ 100 cps
Supply pressure....500 to 3000 psi
Temperature-Fluid & Ambient —65° F to +275° F
Flow Rate Range .... .3 to 10 gpm
Weight ..... 10.5 ounces

Write for complete data.

BASIC BUILDING BLOCKS FROM KEARFOTT



PRECISE ANGLE INDICATOR

Consisting of an angle position indicator, motor and servo amplifier, this small, versatile, rack panel mounted unit provides angular position indications for laboratory, production and field use. Input signals proportional to unknown angular position of synchro device being measured are resolved as an error voltage, which is amplified and used to drive an internal servo loop to null. Counter mechanism then provides direct visual readout of angular position.

TYPICAL CHARACTERISTICS

Input Signal: S_1, S_2, and S_3 of external synchro transmitter.
Repeatability: Within 0.6 minute in either a clockwise or counterclockwise direction for any angular position.
Readability: 0.5 minute through full range from zero to 360° Rotation is continuous.
Accuracy: ± 6 minutes in the standard unit. Other accuracies available on request.
Sensitivity: 0.5 minutes maximum.
Slewing Speed: Phase sensitive, 180° in 7 seconds.
Input Voltages: 115 volts, single phase, 400 cycles, 23 VA max.
Size: Standard Rack Mounting—1¾" x 9½" x 8½"

Write for complete data.

BASIC BUILDING BLOCKS FROM KEARFOTT

FERRITES

Kearfott's Solid State Physics Laboratory formulates, fires and machines permanent magnet ferrite materials of various compositions. Typical high-efficiency array utilizes Kearfott PM-3 ferrite material with specially designed pole pieces to produce a design both smaller and lighter than other arrays of equivalent magnetic field strength. Because magnets may be custom engineered to specific requirements, user is not restricted to stock magnet types, thereby providing greater latitude in parameters for focusing arrays. Pole pieces may also be provided according to specification, with the added assurance that, because of special Kearfott design techniques, B axial magnetic fields approximately 10% higher than those generally obtained in standard types may be produced.

TYPICAL CHARACTERISTICS

Peak Magnetic Field Strength	1200 gauss
Period	0.560 in.
Length	5.64 in.
Inside Diameter of Pole Pieces	0.400 in.
Outside Diameter	2.0 in.
Weight	3.2 pounds

Write for complete data.

KEARFOTT DIVISION
Little Falls, New Jersey

GENERAL PRECISION, INC.

electron

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about electronic tubes and semiconductors for every industrial and communications application.

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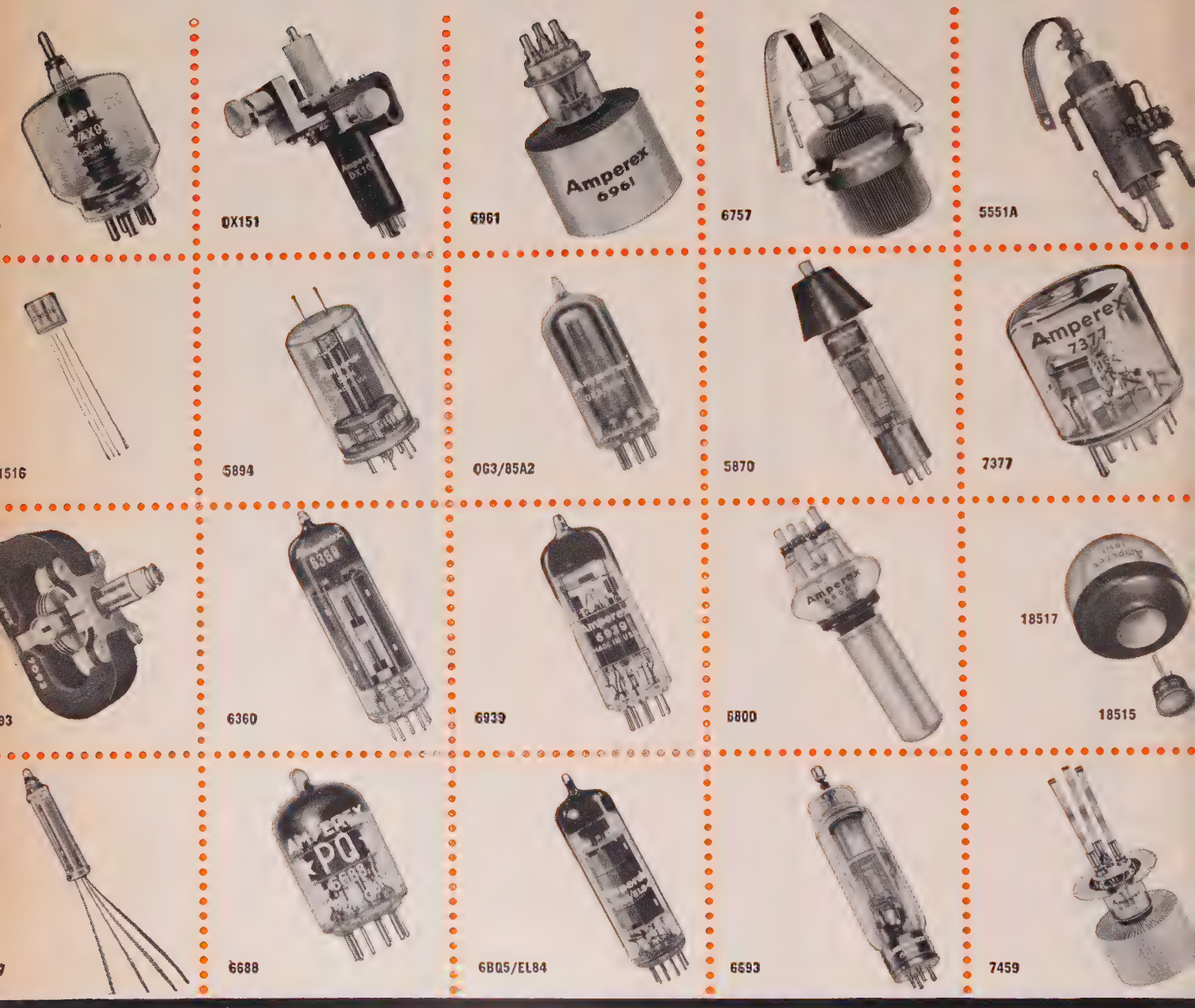

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tubes

COMMUNICATION
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SPECIAL PURPOSE
RADIATION DETECTION
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SEMICONDUCTORS
(SEE FOLLOWING PAGE)

Detailed Data Sheets on any of these tubes, and applications engineering service are yours for the asking.

RADIATOR CREDIT FOR FORCED AIR-COOLED TUBES

Tube Type	Users Allowance
889RA	$20.00
891R, 892R	30.00
5604	75.00
5667	20.00
6445	30.00
6447	30.00
6757	75.00
6801	75.00

*Price on request.
‡Price includes 10% Fed. Excise Tax.
ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

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AMPLIFRAME, a new concept in electron tubes, designed and mass produced exclusively by Amperex, incorporates the unique FRAME GRID...the closest approach to the ideal "Physicists' grid"—electrical characteristics but no physical dimensions. The FRAME GRID results in: • higher transconductance per milliampere • tighter G_m and plate current tolerance • low transit time • low capacitances • lower microphonics • rugged construction

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WEIls 1-6200
CANADA: ROGERS ELECTRONIC TUBES
COMPONENTS, 116 VANDERHOOF AVE.,
TORONTO 17, ONTARIO

BEAM POWER TUBES

Type No.	Price
807	$3.00
6146	5.00
6159	5.00
PE06/40N	5.95

DIODE, CLIPPER

Type No.	Price
6339	$44.50

COUNTERS, GEIGER

Type No.	Price
75N	$ 16.50
75NB3	16.50
80N	45.00
90CB	27.00
90NB	27.00
90NB4	27.00
100C	54.00
100CB	58.00
100HB	54.00
100N	43.50
100NB	46.00
120C	90.00
120CB	95.00
120N	90.00
120NB	95.00
150N	61.00
150NB	66.00
153C	91.00
160G	66.00
170G	110.00
180G	50.00
200C	67.00
200CB	71.00
200HB	67.00
200N	56.00
200NB	58.50
230C	43.00
230N	41.00
240C	43.00
240N	41.00
912NB	53.00
18503	28.00
18508	127.00
18509-01	22.40
18510	127.00
18515	186.50
18516	206.25
18517	373.00
18518	412.50

COUNTER, DECADE

Type No.	Price
6370/EIT	$16.50

DIODE, DAMPER

Type No.	Price
‡6R3/EY81	$1.40

TWIN DIODE

Type No.	Price
‡5726/E91AA	$1.90

DIODE, VTVM

Type No.	Price
6923/EA52	$11.00

IGNITRONS

Type No.	Price
5551A/652	$ 65.00
5552A/651	99.00
5553B/655	245.00
5555/653B	316.00
5822A	116.00

TUNING INDICATORS

Type No.	Price
‡1M3/DM70	$ .98
‡6BR5/EM80	1.23
‡6CD7/EM34	1.48
‡6DA5/EM81	1.23
‡6FG6/EM84	1.48

KLYSTRONS

Type No.	Price
DX122	**
DX123	**
DX124	**
DX151	**

KLYSTRON, REFLEX

Type No.	Price
2K25	$39.50

MAGNETRONS

Type No.	Price
2J42	$160.00
2J48	250.00
4J47	**
4J57	**
4J58	**
4J59	**
5586	417.00
5657	417.00
5780A	**
6589	**
6972	325.00
7091	**
7093	**

PENTODES

Type No.	Price
‡6AU6	$ 1.05
‡6BQ5/EL84	1.30
‡6CA7/EL34	2.88
‡6CW5/EL86	1.43
‡6EH7/EF183	1.45
‡6EJ7/EF184	1.45
‡8BQ5/XL84	1.30
828	27.60
‡45B5/UL84	1.45
5654/E95F	2.85
*5847/E182F	14.90
6007/5913	1.25
6008/5911	1.25
6083	14.25
6084/E80F	3.00
6227/E80L	3.05
‡6267/EF86	1.38
6375	8.40
6686/E81L	4.10
6687/E91H	1.30
6688/E180F	6.80
*6688A	6.86
6689/E83F	3.60
‡7189	1.80
7693/E90F	3.25
E99F	3.25
EFP60	7.50
‡EL37	2.88

PENTODE, DUO-DIODE

Type No.	Price
‡6DC8/EBF89	$1.60

TRIODE-PENTODES

Type No.	Price
‡6BL8/ECF80	$1.70
‡6BM8/ECL82	1.60
‡6U8	1.65
‡50BM8/UCL82	1.50
E80CF	3.60

PHOTOMULTIPLIERS

Type No.	Price
52AVP	$120.00
57AVP	850.00
58AVP	850.00
150AVP	62.00
50AVP-SP	78.00
150AVP-SP	76.00
150CVP	84.00
51UVP	308.00
53UVP	462.00

RECTIFIERS

Type No.	Price
‡1S2A/DY87	$ 1.38
‡5AR4/GZ34	2.10
‡5R4G-Y	1.90
‡6CA4/EZ81	1.05
‡6V4/EZ80	.75
575A	22.15
673	22.15
8020AX	24.00

RECTIFIERS, MERCURY

Type No.	Price
857B	$235.00
866AX	2.65
869B	160.00
869BL	160.00
872AX	9.90
6508	80.00
6693	25.00
7136	25.00
8008AX	10.65

RECTIFIERS, XENON

Type No.	Price
3B28	$ 6.50
4B32	13.50

VOLTAGE REFERENCE TUBES

Type No.	Price
OE3/85A1	$2.25
OG3/85A2	2.25
5651	1.78

VOLTAGE REGULATORS

Type No.	Price
OA2	$1.26
OB2	1.32
90C1	2.25
6354/150B2	2.55

TETRODES

Type No.	Price
*‡2ER5	$ 1.40
*‡3ER5	1.40
4-125A	36.00
4-250A	46.50
4-400A	48.00
4CX250B	45.00
*‡4ER5	1.40
4X150A	33.15
4X150D	33.15
4X250B	42.50
4X250F	42.50
4X500A	128.50
*‡6ER5/EC95	1.40
6075	250.00
6076	305.00
6079	60.00
6155	36.00
6156	46.50
6883	5.00
6979	42.50
7527	48.00

TETRODES, BEAM

Type No.	Price
813	$21.10

TWIN TETRODES

Type No.	Price
829B	$19.00
832A	15.90
5894	25.00
6252	25.00
6360	5.15
6907	25.00
6939	12.00
7377	25.00
7378	**

THYRATRONS

Type No.	Price
2D21	$ 1.22
3C23	11.98
632B	36.00
5632/C3J	15.50
5684/C3JA	19.80
5685/C6JA	29.30
5727/E91N	2.50
AX260	150.00

THYRATRONS, HYDROGEN

Type No.	Price
6268	$32.50
6279	45.00

THYRATRONS, MERCURY

Type No.	Price
5557/FG17/967/1701	$ 9.50
5559	23.00
5560/FG95	33.00
5869	25.00
5870	100.00
6786	200.00
AX105/FG105	53.33

THYRATRONS, XENON

Type No.	Price
2050	$ 1.85
5544	30.50
5545	29.30

TRIODES

Type No.	Price
*2FY5	$ 2.90
*3FY5	2.90
*6FY5	2.90
‡6GM8/6GM8	2.28
‡6Q4/EC80	3.00
‡6R4/EC81	2.55
356	660.00
450TH	77.00

TRIODES (Con't)

Type No.	Price
450TL	77.00
501R/5759	225.00
502/5760	210.00
502R/5761	235.00
504R	245.00
805	20.10
810	25.65
811A	6.90
812A	6.90
833A	47.90
834	19.30
838	20.00
845	20.80
849	185.00
849A	185.00
880	595.00
889A	221.00
889RA	347.00
891	275.00
891R	430.00
892	270.00
892R	425.00
5604	570.00
5619	423.00
5658	565.00
5666	280.00
5667	370.00
5771	660.00
5823/Z900T	1.95
*5842	14.90
5866	20.00
5867	30.00
5868	55.00
5923	165.00
5924	231.00
5924A	275.00
6333	290.00
6445	455.00
6446	305.00
6447	465.00
6756	388.00
6757	535.00
6758	173.00
6759	206.00
6800	350.00
6801	505.00
6960	150.00
6961	210.00
7092	125.00
7237	180.00
7459	230.00
HF200	49.50
HF201A/468	34.50
HF300	40.50
ZB3200	395.00

TRIODE, INDICATOR

Type No.	Price
6977/DM170	$2.50

TWIN TRIODES

Type No.	Price
*‡4ES8/XCC189	$2.28
*‡5ES8	2.28
‡6AQ8/ECC85	1.45
‡6DJ8/ECC88	2.28
*‡6ES8/ECC189	2.28
‡6J6/ECC91	1.40
9AQ8/PCC85	1.55
‡12AT7/ECC81	1.53
‡12AU7/ECC82	1.23
‡12AX7/ECC83	1.28
‡17EW8/HCC85	3.50
5920/E90CC	2.40
6085/E80CC	3.00
6201/E81CC	2.95
6211	2.35
6463	2.95
*6922/E88CC	4.75
7062/E180CC	2.10
7119/E182CC	2.95
7316	1.40
E92CC	2.00

TRIGGER TUBES COLD CATHODE

Type No.	Price
Z50T	$1.75
Z70U/7710	1.56
Z300T	4.00
Z804U/7713	3.45

HEPTODE

Type No.	Price
6687/E91H	$1.30

BEAM DEFLECTION TUBE

Type No.	Price
6218/E80T	$15.00

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for industrial, communications and entertainment applications . . . a complete line, featuring:

Amperex P.A.D.T. Post Alloy Diffused VHF Transistors for converter, mixer and oscillator applications

Amperex P-N-P and N-P-N transistors for audio, computer and switching applications.

Amperex germanium and silicon diodes, including silicon reference and power rectifier types

Implemented and fully proven by Amperex, a unique manufacturing technique originating with Philips of the Netherlands now enables Amperex to provide you with production VHF Post Alloy Diffused Transistors of unparalleled laboratory quality at truly reasonable prices.

The new Amperex "Post-Alloy-Diffused" P-N-P Transistors combine the best qualities of both the alloy and the diffusion approaches to transistor construction. As a result of the special "self-jigging" techniques, a maximum degree of uniformity is achieved, thus eliminating the need for "selection."

Correspondingly, special Amperex precision tooling methods and fully automated high volume manufacturing equipment, are the user's guarantee of a complete line of semiconductor diode and UHF transistor types offering maximum stability, reliability and uniformity at minimum cost.

The accelerated development of new Amperex transistor and diode types and the unlimited availability of those presently listed, is further assured by the inauguration of a new Amperex semiconductor plant in Slatersville, Rhode Island.

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AMPEREX SEMICONDUCTOR PLANT, SLATERSVILLE, R. I.

transistors *representative of the* **Amperex** *line*

		Vce (volts) max	Ic (mA) max	Pc (mW) @25°C	h_{fe}	@ Ie (mA)	$f_{\alpha b}$ (Mc/s)
RF types	2N1515	20	10	83	60	1	70
	2N1516	20	10	83	100	1	180
	2N1517	20	5	83	100	—	180
AF types	2N1314	32	3500	13000	33	1000	0.15
	OC22	32	1000	10000	150	1000	2.5
	OC30	32	1400	3600	35	100	0.3
	OC74	20	300	550	65	300	1.5
INDUSTRIAL SWITCHING and **COMPUTER** types	OC23	40	1000	10000	150	1000	2.5
	OC28	60/80	6000	13000	32	1000	0.2
	2N284	32	250	165	45	250	0.9
	OC200 (Si)	25	50	250	20	1	1
	OC201 (Si)	25	50	250	30	1	4
PHOTO-TRANSISTOR type	OCP70	7.5	20	25	Dark Current (μA): −325 At $I_B = 0$, $V_{CE} = -4.5V$		Peak Spectral Response (μ): 1.55
					Light Current (μA): 750 At $V_{CE} = -2V$, Ill.=75 ft. c., Temp=2700°K		

diodes *representative of the* **Amperex** *line*

GERMANIUM GENERAL PURPOSE types
Full line of EIA point contact and gold bonded types including computer diodes. Packaging for automation.

SILICON GENERAL PURPOSE types

	Max. Continuous Operating Inverse Voltage (Volts)	Maximum Peak Inverse Voltage (Volts)	Maximum Peak Rectified Current (MA)	Maximum Average Rectified Current (MA)	Maximum Inverse Current (Microamps)	Voltage (Volts)
OA200	50	50	150	50	.05	50
1N459	175	200	—	40	.025	175

SILICON REFERENCE OAZ200 to OAZ207 (40mA, at 4.7 to 9.1V)
PHOTOCELLS "ORP" SERIES Cadmium sulphide cells with spectral response in visible and infra-red regions.
PHOTODIODES OAP12 (infra-red sensitivity)

ask Amperex
for your copy of the condensed semiconductor catalog . . . for price and delivery information . . . and for detailed technical specifications.

AMPEREX ELECTRONIC CORPORATION, 230 Duffy Avenue, Hicksville, L. I., N. Y.
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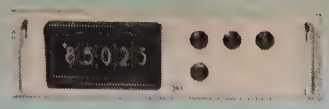
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

M24 Multi-Purpose Instrument

V24 Voltmeter-Ratiometer

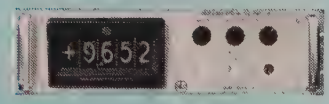
R24 Ratiometer



V35 Transistorized Voltmeter-Ratiometer

V34 Transistorized Voltmeter-Ratiometer

V44 All-Electronic Digital Voltmeter



481 Industrial Voltmeter

781 Industrial Ohmmeter

V64 Low-Cost Voltmeter

50 Voltage Comparator

51 Comparison Amplifier

NLS OFFERS YOU THE ONLY COMPLETE LINE OF DIGITAL INSTRUMENTS . . . BY PURPOSE . . . BY PRICE

M24 Multi-Purpose Instrument — Measures DC voltage from ±.0001 to ±999.9, DC voltage ratio to ±.9999, resistance from 0.1 ohm to 1 megohm . . . 1/3 second balancing time . . . with accessories, measures AC voltage or AC ratio, low-level DC . . . completely automatic . . . output for data logging . . . transistorized circuitry, mercury-wetted relays . . . recommended for measuring and data logging demanding best combination of reliability, accuracy, speed and versatility — missile systems checkout, industrial electronic systems, unattended data logging, quality control, laboratory uses. **Complete $5,650**

V24 Voltmeter-Ratiometer — Same basic features, specifications and applications as the M24 except it does not measure resistance. **Complete $4,950**

R24 Ratiometer — Measures DC ratio with ranges of ±.9999/9.999 . . . same basic features and applications as M24 and V24. **Complete $4,650**

V35 Transistorized Voltmeter-Ratiometer — This all-transistorized instrument is the first true 5-digit voltmeter with the Factual Fifth Figure, full 5-digit resolution of 0.001% . . . measures DC voltage from ±0.0001 to ±999.99, DC voltage ratio from ±00.001% to ±99.999% . . . with accessories, measures AC voltage low-level DC . . . completely automatic . . . features No-Needless-Nines logic, plug-in oil-bathed stepping switches . . . output for data logging . . . recommended for uses requiring maximum accuracy such as automatic missile checkout; production line inspection of transistors, resistors, diodes; readout and printout for computers. **Complete $3,750**

V34 Transistorized Voltmeter-Ratiometer — 4-digit quality and performance companion to V35 — with No-Needless-Nines logic, plug-in oil-bathed stepping switches and full transistorization . . . measures DC voltage from ±.0001 to ±999.9, DC voltage ratio from ±00.01% to ±99.99% . . . with accessories, measures AC voltage, low-level DC . . . output for data logging . . . designed for uses requiring Series 30 reliability without the need for full 5-digit resolution. **Complete $3,150**

V44 All-Electronic Digital Voltmeter — 500 readings per second . . . measures DC voltage from ±0.0001 to ±999.9 . . . completely automatic . . . output for data logging . . . recommended for applications in which exceptionally high speed is essential. **Complete $6,500**

481 Industrial Voltmeter — This 4-digit instrument is an outstanding value for applications requiring 0.01% accuracy at lowest cost . . . designed for visual readout only, does not contain printout connections or oil bath switches . . . features simple, time-proved 7-tube circuit . . . measures DC from ±0.001 to ±999.9 — AC and low-level DC with accessories . . . for applications requiring 0.01% accuracy without printout — production testing, instrument calibration, laboratory testing, receiving inspection. **Complete $1,425**

781 Industrial Ohmmeter — Companion to the 481, this 4-digit ohmmeter equals the performance of other units costing twice as much . . . measures 0.1 ohm to 10 megohms . . . accuracy of ±0.05% + 1 digit, ±0.1% of reading above 5 megohms . . . 20 times faster than using a Wheatstone bridge . . . completely automatic . . . used for fast, easy resistance measurements not requiring printout, such as receiving inspection, production, quality control, laboratory testing. **Complete $1,425**

V64 Low-Cost Voltmeter — Only full 4-digit voltmeter in the price range of 3-digit meters and laboratory quality pointer meters . . . measures DC voltage from ±0.001 to ±499.9 . . . AC and low-level DC with accessories . . . features quality NLS construction, design simplicity, time-proved circuitry . . . designed for measuring applications that require the speed, ease, and accuracy of a digital voltmeter without the need for printout or automatic range-polarity selection . . . applications include transducer and test equipment calibration, quality control, production line and receiving inspection, laboratory uses. **Complete $985**

50 Voltage Comparator—This transistorized go/no-go voltage comparator provides a precise, fast, reliable means to determine if a voltage is within prescribed limits—and to transmit go/go-no commands to electrical recording control and warning systems . . . signals voltage tolerance by colored bulbs and contact closures within 90 milli-seconds . . . manual limit settings from ±0.001 to ±999.9 volts. **Complete $1,775**

51 Comparison Amplifier — Automatic comparator model for applications where limits are already available in analog voltage form from fixed or automatically programmed voltage dividers . . . voltage range from —50 volts to +50 volts with a limit sensitivity of 500 microvolts. **Complete $950**

Hundreds of Combinations

A wide range of accessories are available from NLS for easy, plug-in combination with the basic units pictured. This provides you with several hundred combinations from which to select the grouping which best answers your measuring and data logging problems.

- AC/DC Converters with or without automatic ranging
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- Remote Readouts
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- Electric Typewriter Systems
- Tape Punches
- Output to operate almost any device requiring contact closures in parallel decimal form.

For Additional Information . . . contact your nearest NLS representative or write NLS for complete catalog section on specific instruments of interest to you. Specifications and prices are subject to change without notice.

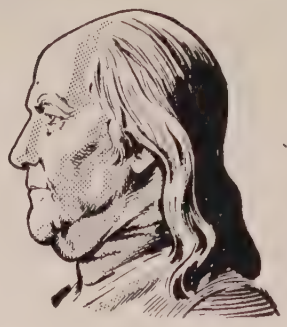
Originator of the Digital Voltmeter

non-linear systems, inc.

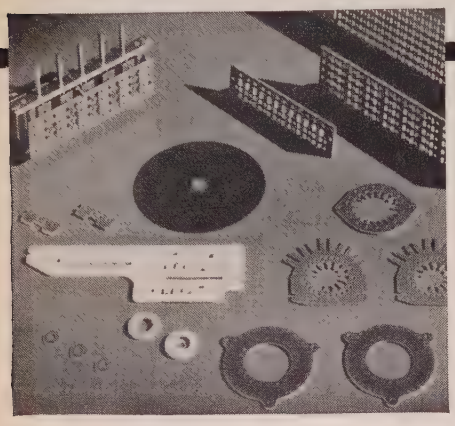
DEL MAR (SAN DIEGO), CALIFORNIA

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

BEN WOULD HAVE LOVED INSUROK® FOR HIS OWN ELECTRICAL APPARATUS!



- *Perfect for Fabricated Parts*
- *Superior Electrical Properties*
- *Greater Design Possibilities*
- *Lightweight, Non-Corrosive*



INSUROK is a registered trademark of The Richardson Company's complete family line of laminated plastics.

Richardson INSUROK parts outperform and outlast other materials because of their unique combination of properties. Outstanding INSUROK characteristics are:

- Low dielectric loss.
- Low moisture absorption.
- Heat and blister-resistance.
- Unmatched insulating qualities.
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Richardson laminated, machined and fabricated parts are produced in a wide range of characteristics to meet many kinds of electrical and electronic applications. New grades, sizes, and shapes are constantly being developed for new applications.

Whatever your specific product application . . . electrical or mechanical . . . specify and insist on INSUROK. Write for comprehensive details in bulletin form on how you can profit by using INSUROK, or phone today.

THE RICHARDSON COMPANY

Laminated Fabricated and Molded Plastics

FOUNDED IN 1858

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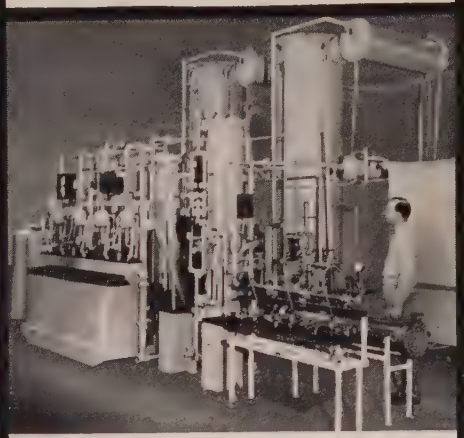
SALES OFFICES IN PRINCIPAL CITIES

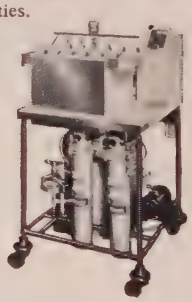
BARNSTEAD

WATER PURIFICATION EQUIPMENT



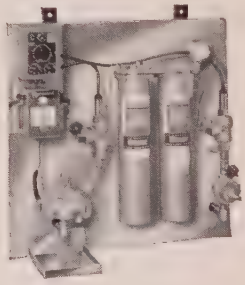
18,000,000 ohm WATER

This Barnstead equipment in series consists of sand and carbon filter, high-capacity 4-bed demineralizer, 2 Barnstead® high-purity Stills, tin-lined tank, mixed-bed demineralizer, MF® Submicron filter, tin-lined heater. RESULT: 18,000,000 ohm water in production quantities.



TRANSISTOR WASHER

Rinses transistors, diodes, and other small components in hot, ultra pure water. Filters out particles to 0.45 micron. Continuous repurification system conserves water, results in substantial savings. Write for Bulletin 146.



COOLING WATER RE-PURIFYING SYSTEM adds thousands of hours to UHF transmitting tube life. Maintains cooling water at high purity level. Write for Bulletin 149.

TRADE MARK REG. U.S. PAT. OFF.

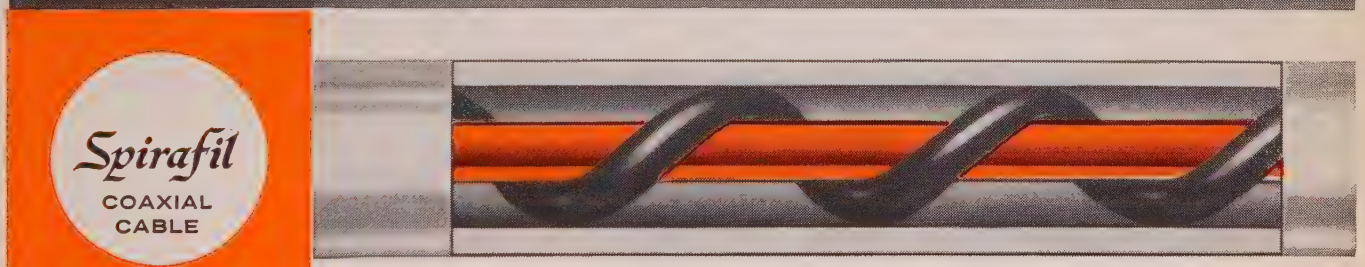
Barnstead
STILL AND STERILIZER CO.

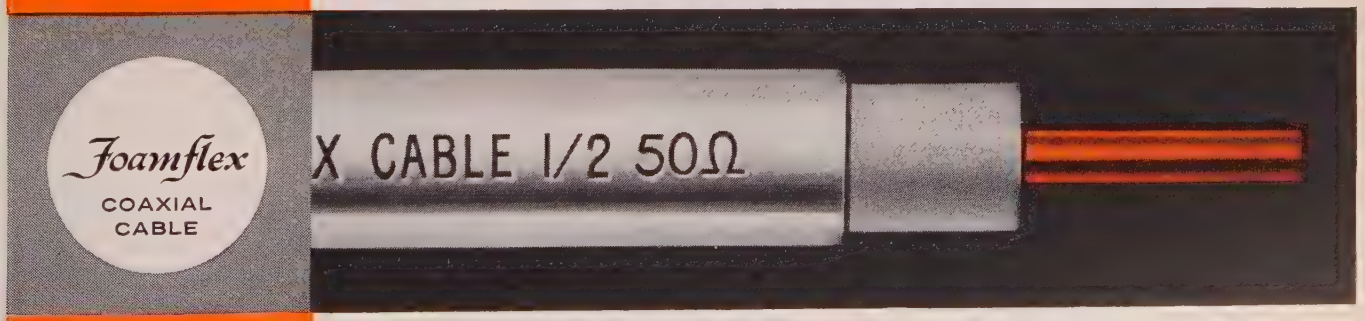
86 Lanesville Terrace, Boston 31, Mass.

Finest line of High Frequency Cables in the communications field!

- No radiation
- Low attenuation
- Excellent frequency response
- Uniform electrical properties over wide temperature variations
- Unlimited operating life
- Continuous 1000′ lengths

Matching fittings for all cables are available from Phelps Dodge.





PHELPS DODGE COPPER PRODUCTS CORPORATION

PHELPS DODGE COPPER PRODUCTS
CORPORATION

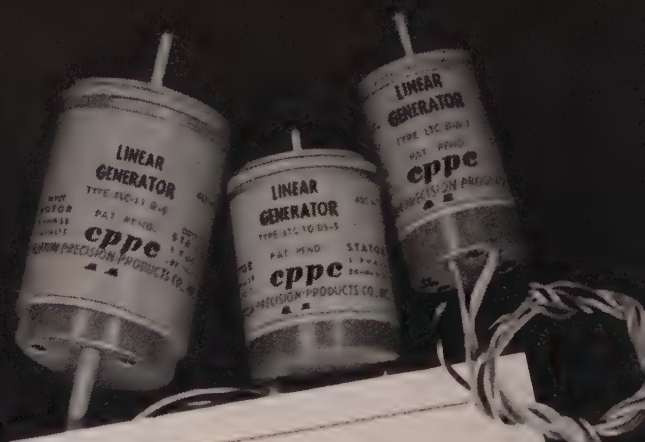
300 PARK AVENUE, NEW YORK 22, N. Y.

cppc for ANY

Servo Motors

SIZE 8 • 10 • 11

High torque for size. Will withstand 125°C. 26volt and 115 volt units available. Types for transistor circuitry.

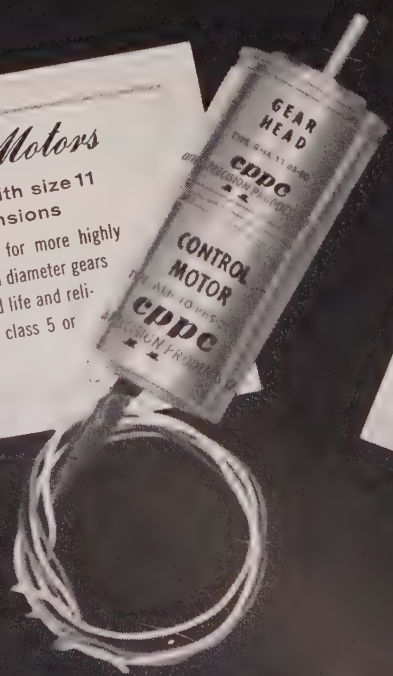


Linear Transformers

(Induction Potentiometers)

SIZE 8 • 10 • 11

These units feature low secondary impedances. Can be designed to work with wide range of load impedances. Infinite resolution. Linearity .5%. Wide variety. Can be temperature compensated.



Gearhead Motors

SIZE 10 • SIZE 10 with size 11 mounting dimensions

Available with off center shaft for more highly accurate meshing. Over size pitch diameter gears on smaller pinions for increased life and reliability. All bearings are ABEC class 5 or better.

D. C. Motors

SIZE 8

Smooth rotation at low speeds. Reversible. Speed linearly proportional to voltage. 28 or 14 volt input. Leads or terminals. Available with governor which maintains constant speed within ±1%.

CLIFTON PRECISION PRODUCTS

CLIFTON HEIGHTS, PA.

ROTARY COMPONENT

Synchros

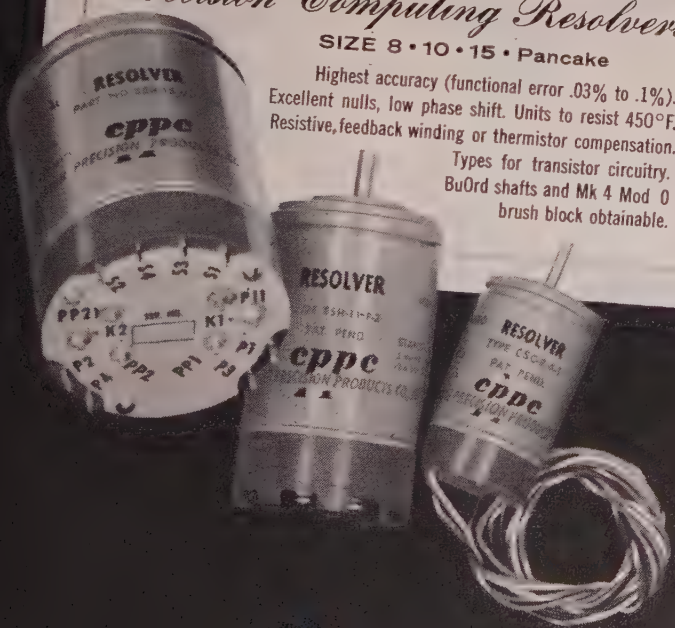
SIZE 8 • 10 • 11 • 15 • Pancake
BuOrd • High Temp. (450°F)

Highest accuracy in production quantities (7′ max. error is typical); lowest nulls; lowest phase shifts; corrosion resistant construction, stainless steel or aluminum housings. Double ended shafts available. An extremely wide variety of synchros available as Transmitters, Receivers, Control Transformers, Differentials, Resolvers.

Precision Computing Resolvers

SIZE 8 • 10 • 15 • Pancake

Highest accuracy (functional error .03% to .1%). Excellent nulls, low phase shift. Units to resist 450°F. Resistive, feedback winding or thermistor compensation. Types for transistor circuitry. BuOrd shafts and Mk 4 Mod 0 brush block obtainable.



Motor Generators

SIZE 8 • 10

Minimum length and weight. Suitable for error rate damping in servo systems for high stability. Motor rate tachometers available. Types for transistor circuitry.

CO., INC.

These pages describe only partially our wide line of Precision Rotary Components. Write or telephone for CPPC's latest catalogue which gives complete electrical data and drawings. Special units are available to withstand severe vibration and shock, extremely high temperature, and radio-active environments.

Most units available for immediate delivery. Two plants (Clifton Heights, Pa. and Colorado Springs, Colo.) to serve you. Home Sales Office: 9014 West Chester Pike, Upper Darby, Pa., Hilltop 9-1200 (Suburban Philadelphia).

AMERICAN-STANDARD AIR-MOVING UNITS

Compact, packaged fans and blowers for cooling electronic equipment

The right packaged air-moving unit to meet the cooling requirements in your electronic equipment *may already be in our line.* In fact, eight major missile systems now rely on American-Standard* air-moving units. A few representative types are shown here. There are literally hundreds more and each can be modified to meet your specific requirements. Write for Bulletin 5412. American-Standard Industrial Division, Detroit 32, Michigan. In Canada: American-Standard Products (Canada) Limited, Toronto, Ontario.

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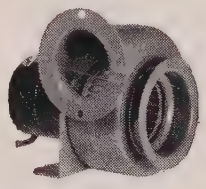
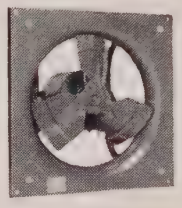
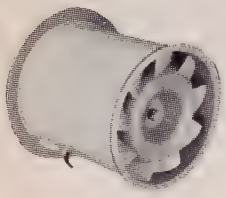


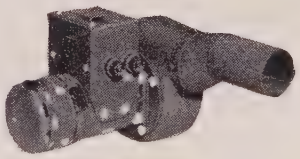
Typical small blower for commercial applications. Capacity: 15 cfm @ .4″ sp to 65 cfm, free delivery @ 2775 rpm.



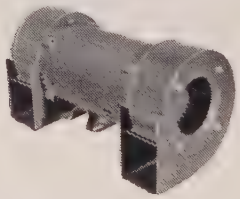
Propeller fan designed for electronic cabinet ventilation. Capacity: 1325 cfm @ 0″ sp to 310 cfm @ 0.62″ sp @ 1725 rpm.



Aluminum axial flow fan designed to meet military requirements. Capacity: 500 cfm @ 5″ sp @ 5600 rpm.



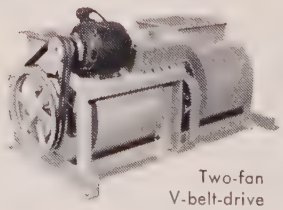
Special blower for military requirements. Capacity: 100 cfm @ 1″ sp to 150 cfm, free delivery @ 5600 rpm.



Space-saving duplex blower. Total capacity: 215 cfm @ 1.75″ sp to 430 cfm, free delivery @ 3450 rpm.

Aluminum pressure blower. Capacity: 546 cfm @ 1″ sp to 215 cfm @ 6″ sp @ 3450 rpm.

V-belt-driven blower for TV transmitter cooling. Capacity: 1700 cfm @ 4.5″ sp @ 1540 rpm at sea level and 2700 cfm @ 5.75″ sp @ 2030 rpm at 7500 ft. elevation.



Two-fan V-belt-drive unit combines high volume, light weight, and minimum size. Capacity: 2700 cfm @ 0.5″ sp @ 1000 rpm and 4800 cfm @ 0.5″ sp @ 1400 rpm.

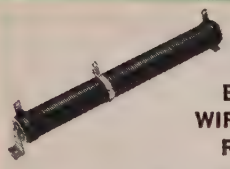
AMERICAN-Standard
INDUSTRIAL DIVISION

AMERICAN BLOWER PRODUCTS • ROSS PRODUCTS • KEWANEE PRODUCTS

FOR A TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

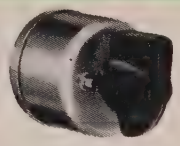
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

Resistance Devices *by* CLAROSTAT



VITREOUS ENAMELED WIRE-WOUND RESISTORS

Fixed and adjustable. 5-watt to 200-watt sizes. Approved for use in the most critical electronic assemblies.



AIRCRAFT-TYPE POWER RHEOSTATS

Completely encased in metal. 25- and 50-watt sizes. Screw-type terminals. In accordance with MIL-R-22A; meets requirements of Federal Specifications MIL-R-6749 where applicable.

POWER RESISTOR DECADE BOX

Any value from 1 ohm to 999,999 ohms at the flick of switches. 225-watt power rating. Read-out resistance at all times.

"C LINE®" POTENTIOMETERS

Close-tolerance potentiometers. Corrosion-proof finish. Moisture/dust proof construction. Locking or standard bushings. Molded composition element in 2-watt rating. 2-, 3- and 4-watt ratings in wire-wound series. With or without factory-attached shafts.

MINIATURIZED ROTARY SELECTOR SWITCHES

Totally enclosed and sealed selector switches. Available in single-, 2-, 3- and 4-pole, shorting or non-shorting, with 12, 6, 4 and 3 positions, respectively.

MOLDED-ELEMENT COMPOSITION POTENTIOMETERS

2-watt rating. For use in the more critical applications. $1\frac{1}{16}$" dia. x $\frac{9}{16}$" deep. Stainless steel shaft. Gold-plated terminals.

MINIATURIZED WIRE-WOUND POTENTIOMETERS

Available as single or dual units, with standard or locking bushing. $\frac{25}{32}$" dia. 1.5 watt power rating.

PROTOTYPE PRECISION POTENTIOMETERS

Especially intended for lab and prototype work, and for fine instrumentation. 3-watt wire wound with terminal linearity of plus/minus 0.25% from 1000 to 100,000 ohms; plus/minus 0.50% from 500 ohms down.

MULTI-TURN PRECISION POTENTIOMETERS

New design permits up to 20% greater winding length in a given 10-turn outside diameter. Exceeds all applicable MIL specifications. Maximum protection against environmental conditions. 3-watt rating. $1\frac{21}{32}$" dia.

DEPOSITED CARBON PRECISION RESISTORS

Plus/minus 1% tolerance in ½, 1 and 2 watt sizes. Extra-large selection of resistance values.

Ask for complete Clarostat Catalog, or see your Clarostat Industrial Distributor.

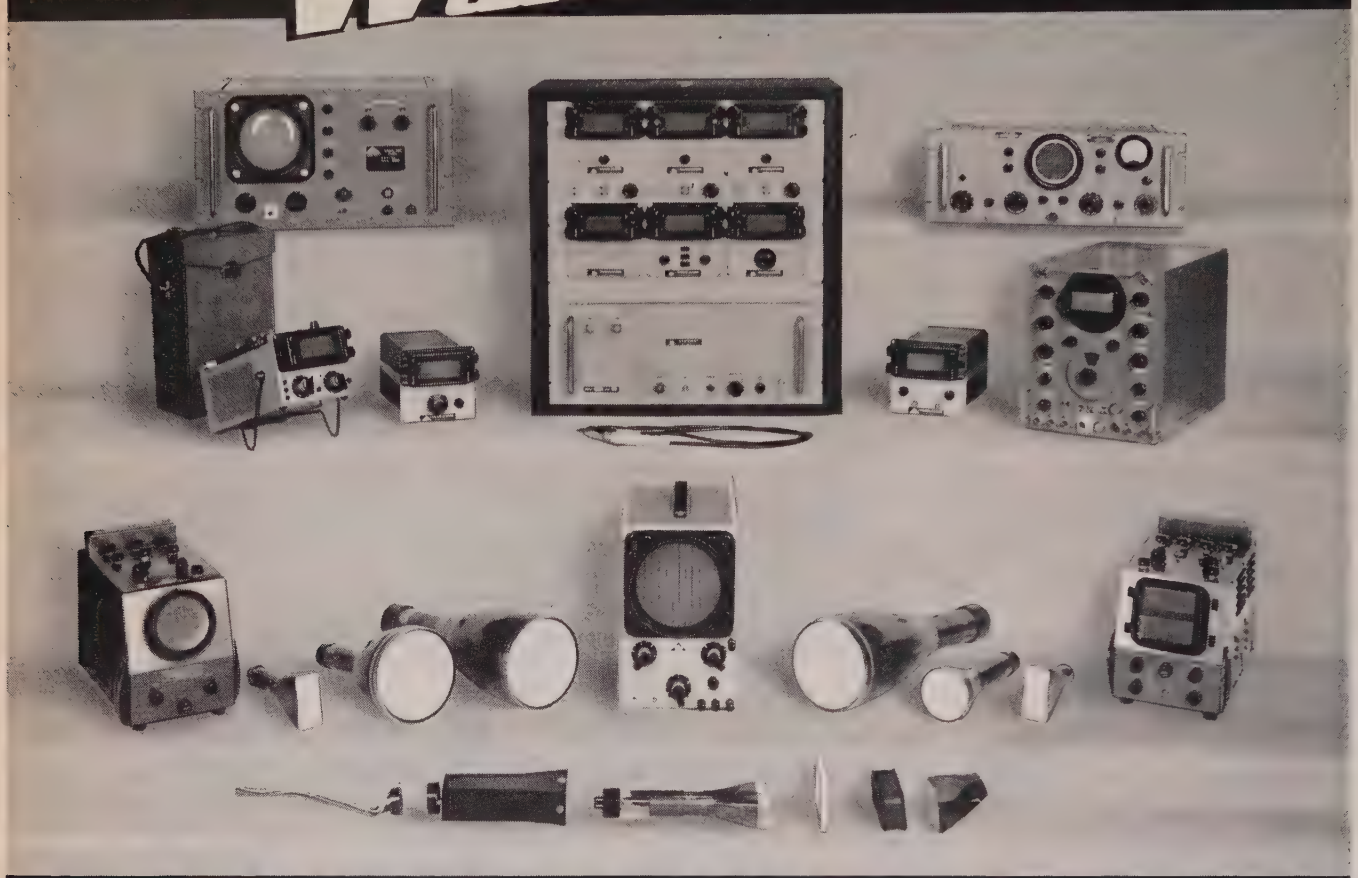
CLAROSTAT®

Controls and Resistors

CLAROSTAT MFG. CO., INC., DOVER, NEW HAMPSHIRE

In Canada: Canadian Marconi Co., Ltd., Toronto, Ontario

SEE Waterman FIRST



FOR YOUR OSCILLOSCOPE AND CATHODE RAY TUBE NEEDS

SYSTEMATS®—The up-to-date custom approach to multi-function monitoring. Any number of modules may be mixed or matched. Built to industrial or military standards and uses PANELSCOPES as building blocks.

PANELSCOPES®—Standard and custom designed panel mounted oscilloscopes in modular form of 5 3/16" x 5 1/4". Amplifiers from 2 1/2 mv/inch, up to 10 mc; triggered, repetitive or expanded sweeps; and automatic portrayal available. Rugged and military construction.

PANELPACKS®—Power supplies for PANELSCOPES and SYSTEMATS.

RAKSCOPES®—Standard and custom built rack mounted industrial and military type oscilloscopes.

PULSESCOPES®—A series of versatile pulse synchroscopes for Laboratory, Field and Airborne use.

CRAFTSCOPES®—A series of direct reading portable industrial oscilloscopes featuring 5-inch displays, small size (1/2 to 3/4 cu. ft.) and weights as low as 18 lbs.

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RAYONIC® CATHODE RAY TUBES—A complete line of 3-inch and 5-inch tubes made to EIA or MIL specs. with rectangular and round cross sections. Tube lengths: from 7 inches. P1, P2, P7, P11 and special phosphors available.

ACCESSORIES

Probes—Amplifier, Attenuator, Crystal, Cathode Follower
Carrying Cases
Tube Mounting and Shielding Kits

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WATERMAN PRODUCTS

Write for Engineering Data or contact your nearest Waterman representative or authorized industrial distributor.

Westinghouse

SILICON POWER **RECTIFIERS** ½ Amp. 240 Amp.

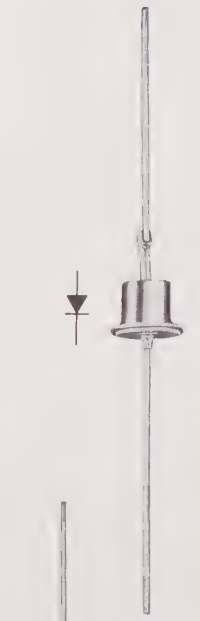
SILICON POWER **TRANSISTORS** 2 Amp. 5 Amp.

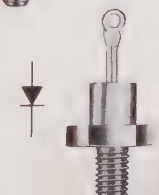
WESTINGHOUSE ELECTRIC CORPORATION

SEMICONDUCTOR DEPARTMENT • Youngwood, Pa.

LOW POWER Silicon Power Rectifier

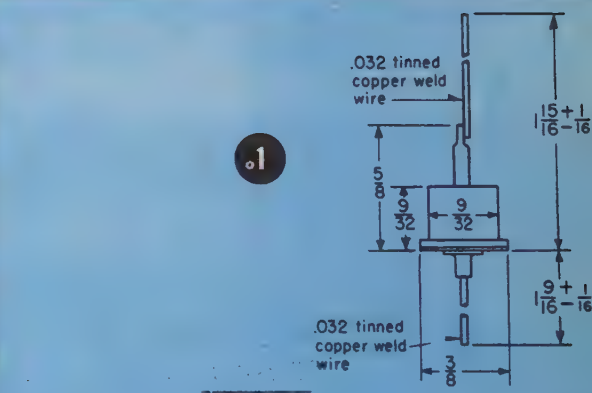
RECTIFIERS — Low Power, Silicon (½ amp. to 1.6 amp.)

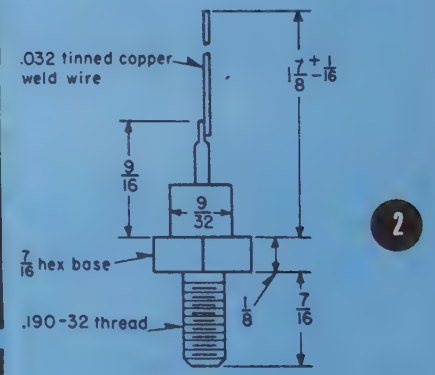


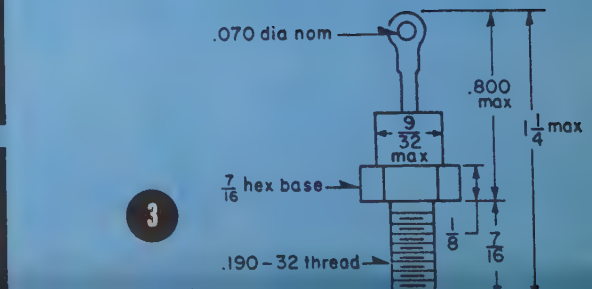


JEDEC NO.	W TYPE NO.	P.R.V.	MAX. I_{DC} Resistive Load	MAX. ONE CYCLE 60 CPS SURGE FULL LOAD	MAX. REV. PEAK CURRENT @ MAX. TEMP. & RATED P.R.V.	
1NI217	320-A	50V	500 MA. @ 110°C AMB	15 AMPS	1.5 MA. @ 150°C JUNCTION	1
1NI218	320-B	100V	500 MA. @ 110°C AMB			
1NI219	320-C	150V	500 MA. @ 110°C AMB			
1NI220	320-D	200V	500 MA. @ 110°C AMB			
1NI221	320-F	300V	500 MA. @ 110°C AMB			
1NI222	320-H	400V	500 MA. @ 100°C AMB			
1NI223	320-K	500V	500 MA. @ 100°C AMB			
1NI224	320-M	600V	500 MA. @ 90°C AMB			
1NI225	320-P	700V	500 MA. @ 90°C AMB			
1NI226	320-S	800V	500 MA. @ 80°C AMB			
1NI443	320-Z	1000V	500 MA. @ 80°C AMB			
1NI217A	307-A	50V	500 MA. @ 110°C AMB	15 AMPS	.5 MA. @ 150°C JUNCTION	1
1NI218A	307-B	100V				
1NI219A	307-C	150V				
1NI220A	307-D	200V				
1NI221A	307-F	300V				
1NI222A	307-H	400V				
1NI223A	307-K	500V				
1NI224A	307-M	600V				
1NI227	305-A	50V	1.6A @ 140°C CASE	15 AMPS	1.5 MA. @ 150°C JUNCTION	2
1NI228	305-B	100V				
1NI229	305-C	150V				
1NI230	305-D	200V				
1NI231	305-F	300V				
1NI232	305-H	400V				
1NI233	305-K	500V				
1NI234	305-M	600V				
1NI235	305-P	700V				
1NI236	305-S	800V				
1NI444	305-Z	1000V				
1NI227A	308-A	50V	1.6A @ 140°C CASE	15 AMPS	.5 MA. @ 150°C JUNCTION	2
1NI228A	308-B	100V				
1NI229A	308-C	150V				
1NI230A	308-D	200V				
1NI231A	308-F	300V				
1NI232A	308-H	400V				
1NI233A	308-K	500V				
1NI234A	308-M	600V				
1NI537	352-A	50V	1.6A @ 140°C CASE	15 AMPS	.5 MA. @ 150°C JUNCTION	3
1NI538	352-B	100V				
1NI539	352-C	150V				
1NI540	352-D	200V				
1NI541	352-F	300V				
1NI542	352-H	400V				

Outline Drawings: Not to be used for construction purposes unless approved.

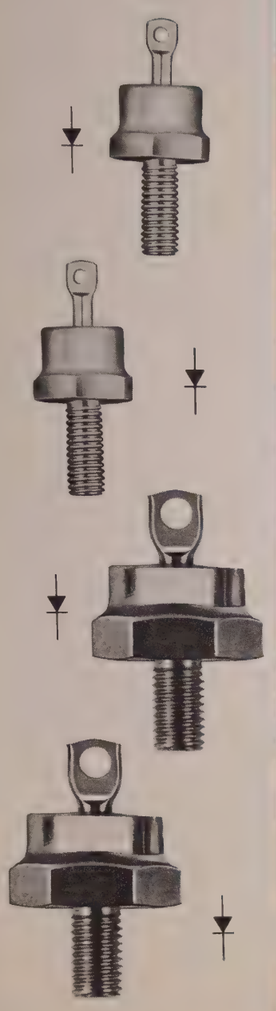






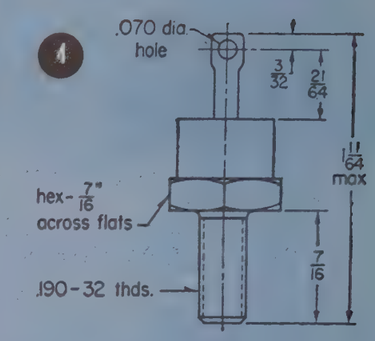
RECTIFIERS — Medium Power, Silicon (6 amp. to 35 amp.)

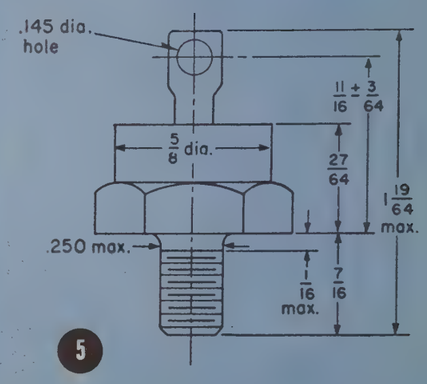
MEDIUM POWER Silicon Power Rectifier



JEDEC NO.	W TYPE NO.	P.R.V.	MAX. I_{DC} Resistive Load	MAX. ONE CYCLE 60 CPS SURGE FULL LOAD	MAX. REV. PEAK CURRENT @ MAX. TEMP. & RATED P.R.V.	
INI341	341-A	50V	6A @ 150°C CASE	160 AMPS	10MA. @ 190°C JUNCTION	4
INI342	341-B	100V				
INI343	341-C	150V				
INI344	341-D	200V				
INI345	341-F	300V				
INI346	341-H	400V				
INI347	341-K	500V				
INI348	341-M	600V				
INI199	304-A	50V	12A @ 150°C CASE	200 AMPS	10MA. @ 190°C JUNCTION	4
INI200	304-B	100V				
INI201	304-C	150V				
INI202	304-D	200V				
INI203	304-F	300V				
INI204	304-H	400V				
INI205	304-K	500V				
INI206	304-M	600V				
INI191	303-A	50V	18A @ 140°C CASE	220 AMPS	10MA. @ 190°C JUNCTION	5
INI192	303-B	100V				
INI193	303-C	150V				
INI194	303-D	200V				
	303-E	250V				
INI195	303-F	300V				
	303-G	350V				
INI196	303-H	400V				
INI197	303-K	500V				
INI198	303-M	600V				
INI183	302-A	50V	35A @ 140°C CASE	500 AMPS	20MA. @ 190°C JUNCTION	5
INI184	302-B	100V				
INI185	302-C	150V				
INI186	302-D	200V				
	302-E	250V				
INI187	302-F	300V				
	302-G	350V				
INI188	302-H	400V				
INI189	302-K	500V				
INI190	302-M	600V				

Outline Drawings: Not to be used for construction purposes unless approved.



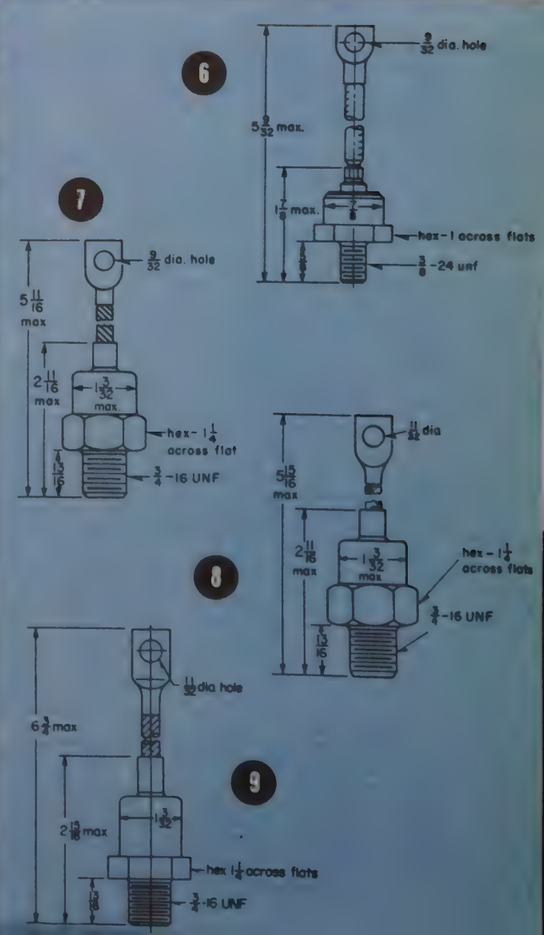


RECTIFIERS — High Power, Silicon (70 amp. to 240 amp.)

HIGH POWER Silicon Power Rectifier

JEDEC NO.	W TYPE NO.	P.R.V.	MAX. I_{DC} Resistive Load	MAX. ONE CYCLE 60 CPS SURGE FULL LOAD	MAX. REV. PEAK CURRENT @ MAX. TEMP. & RATED P.R.V.	
INI396	300-A	50V	70A @ 150°C CASE	1200 AMPS	30MA. @ 190°C JUNCTION	6
INI397	300-B	100V				
INI398	300-C	150V				
INI399	300-D	200V				
	300-E	250V				
INI400	300-F	300V				
	300-G	350V				
INI401	300-H	400V				
INI402	300-K	500V				
INI660	329-A	50V	160A @ 125°C CASE	2000 AMPS	40MA. @ 190°C JUNCTION	7
INI661	329-B	100V				
INI662	329-C	150V				
INI663	329-D	200V				
	329-E	250V				
INI664	329-F	300V				
	329-G	350V				
INI665	329-H	400V				
INI666	329-K	500V				
INI670	339-A	50V	240A @ 125°C CASE	3000 AMPS	50MA. @ 190°C JUNCTION	8
INI671	339-B	100V				
INI672	339-C	150V				
INI673	339-D	200V				
	339-E	250V				
INI674	339-F	300V				
	339-G	350V				
INI675	339-H	400V				
INI676	339-K	500V				
	439-A	50V	240A @ 125°C CASE	3000 AMPS	50MA. @ 190°C JUNCTION	9
	439-B	100V				
	439-C	150V				
	439-D	200V				
	439-E	250V				
	439-F	300V				
	439-G	350V				
	439-H	400V				
	439-K	500V				
	439-M	600V				

Outline Drawings: Not to be used for construction purposes unless approved.



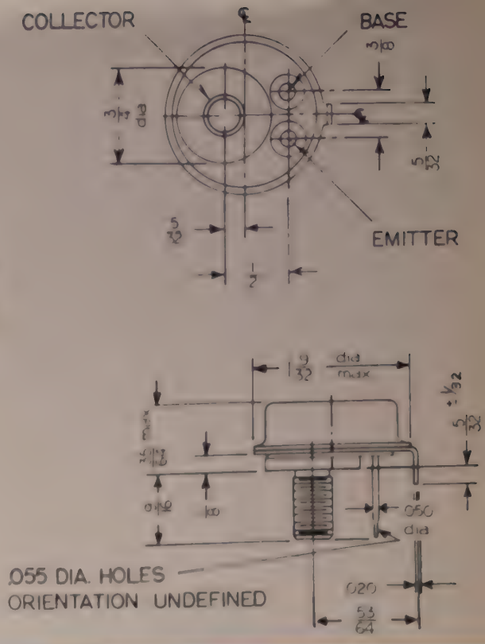
SILICON POWER TRANSISTORS

7.5 Amperes Collector Current Rating

Westinghouse 2N1015 and 2N1016 series are NPN fused silicon power transistors. These transistors are rated at a maximum collector current of 7.5 amperes with a minimum guaranteed D.C. gain of 10 at 2 and 5 amperes collector current respectively. These transistors exhibit extremely low saturation resistance, high voltage, and high temperature operating capability, providing new flexibility for circuit designs.

The silicon power transistor is hermetically sealed in a welded case to assure maximum reliability and long life. The mounting stud of the single ended case style is designed for good thermal contact to an external heat sink and ease of installation.

Specifically designed for high power switching and amplifier applications in industrial and military equipments, each transistor is thoroughly tested to specifications comparable to those established for military devices.



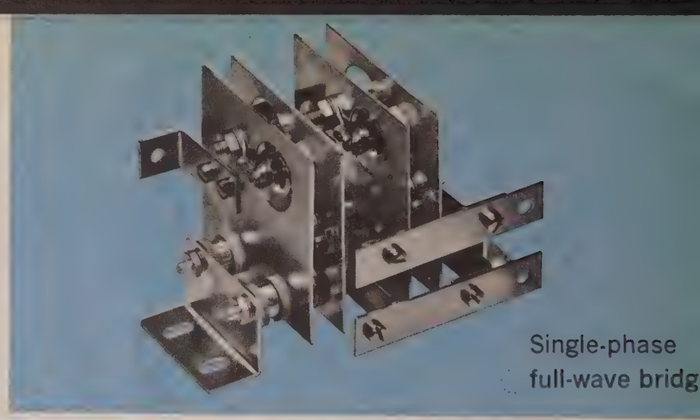
ABSOLUTE MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS						
TYPE	V_{CE} $V_{BE}=-1.5V$	V_{EBO} $I_C=0$	I_C	I_B	T_J	I_{CEX}* MAX.	I_{EB} MAX.	D.C. CURRENT GAIN	SATURATION RESISTANCE	THERMAL RESISTANCE	ALPHA CUT OFF	INPUT RESISTANCE
2N1015 2N1015A 2N1015B 2N1015C 2N1015D	30V 60V 100V 150V 200V	25V	7.5A PEAK	5.0A	150°C	20 MA AT MAX. V_{CE}	20 MA AT $V_{EB}=+25$ $I_C=0$ $T_J=150°C$	10 MIN. $V_{CE}=4V$ $I_C=2A$	.75 OHMS MAX.	.7°C/WATT JUNCTION TO CASE MAX.	300 KC NOMINAL	6 OHMS NOMINAL $I_C=2A$ $I_B=300MA$
2N1016 2N1016A 2N1016B 2N1016C 2N1016D	30V 60V 100V 150V 200V	25V	7.5A PEAK	5.0A	150°C	20 MA AT MAX. V_{CE}	20 MA AT $V_{EB}=+25$ $I_C=0$ $T_J=150°C$	10 MIN. $V_{CE}=4V$ $I_C=5A$	.5 OHMS MAX.	.7°C/WATT JUNCTION TO CASE MAX.	300 KC NOMINAL	3 OHMS NOMINAL $I_C=5A$ $I_B=750MA$

*($V_{BE}=-1.5V$) At 150°C Junction temperature

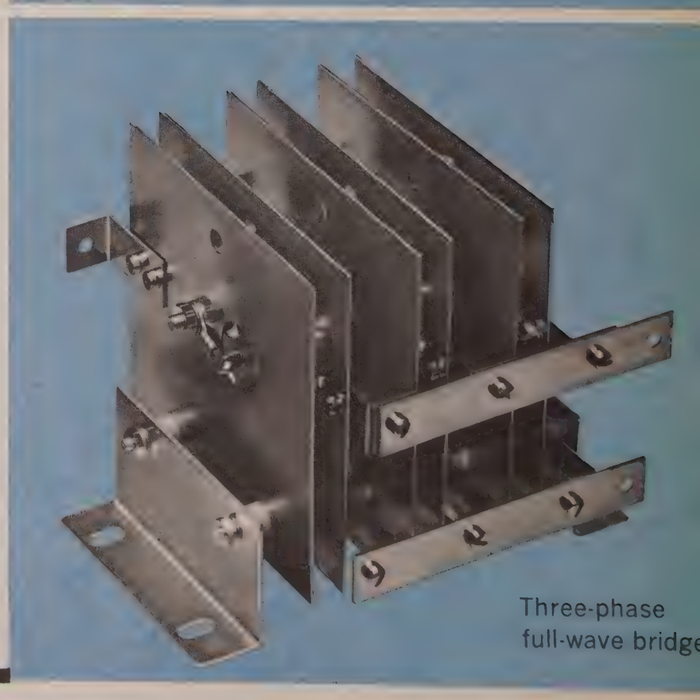
RECTIFIER ASSEMBLIES

A complete line of standard rectifier assemblies, utilizing the rectifier cells listed is available in the following classifications:

2-1-1-C	single-phase center tap
4-1-1-B	single-phase full-wave bridge
4-1-1-B open	single-phase full-wave bridge
4-2-1-B	single-phase full-wave bridge
4-3-1-B	single-phase full-wave bridge
6-1-1-B	three-phase full-wave bridge
6-2-1-B	three-phase full-wave bridge
6-3-1-B	three-phase full-wave bridge



Single-phase full-wave bridg



Three-phase full-wave bridge

WESTINGHOUSE ELECTRIC CORPORATION • Semiconductor Dept. • Youngwood, Pa.

YOU CAN BE SURE...IF IT'S Westinghouse

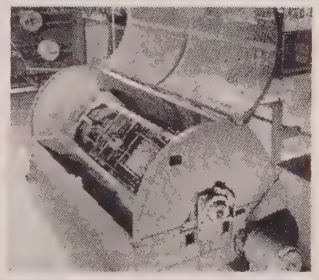
Tensolite

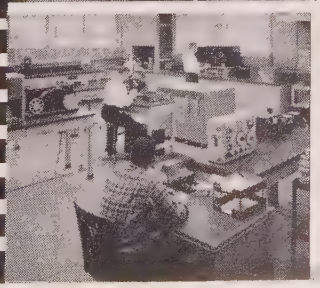
HIGH TEMPERATURE

CABLE CAPABILITIES

Our experienced Design Engineers specialize in cable and cable assemblies utilizing Teflon® insulated hook-up wire (large and small), solid core and air dielectric coaxial cable, shielded and jacketed multi-conductors—or any combination of these.

Many leading aircraft and electronic manufacturers are taking advantage of Tensolite's cable design and production facilities. Let us work with you in translating your requirements into highly reliable jumbo cables and cable assemblies.





Tensolite

HIGH TEMPERATURE

WIRE AND CABLE

HOOK-UP Wire—Mil Spec & Thin Wall

Teflon – Extruded, Spiral Wrapped, and FLEXOLON wire
Types E-EE to MIL-W-16878 and NAS-703 (−90° to +250°C)

Vinyl – Extruded, and parallel wrapped
Types B-C to MIL-W-16878 and NAS-702 (−55° to +105°C)
Types LW-MW to MIL-W-76A (−40° to +80°C)
Super-flexible wire (−40° to +60°C)

COAXIAL CABLE

Solid Core and Air Dielectric
Designed to MIL-C-17B
RG Specs. (−90° to +250°C)

MULTI-CONDUCTORS

Standard and Custom Designed to Military and Industrial Specs.

AIRFRAME WIRE

Designed to MIL-W-7139 (−90° to +250°C)

MAGNET WIRE

To Meet MIL-W-19583, Type III
16 thru 50 AWG, ST, HT, TT, & QT (−90° to +250°C)

ENAMELED PRODUCTS

High temperature magnet wire—and other enameled wire products—must be produced under exacting dust-free conditions. To assure this, Tensolite recently set up its *Mechtron Division* in a separate and specially designed plant. Tensolite is the only manufacturer to provide this assurance of reliability and high quality.

OTHER PRODUCTS

- Asbestos Wire to MIL-C-25038
- Antenna Wire
- Low Capacitance Cable
- Wire Coated with Teflon (100X) FEP Resin
- Tone Arm Wire
- Ribbon Cable Shielded and Unshielded
- Bondable Teflon Wire
- High Strength Conductors
- Nickel Plated Conductors
- Hearing Aid Cordage

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- ☐ Magnet wire catalog.
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Tensolite

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A subsidiary of Carlisle Corporation
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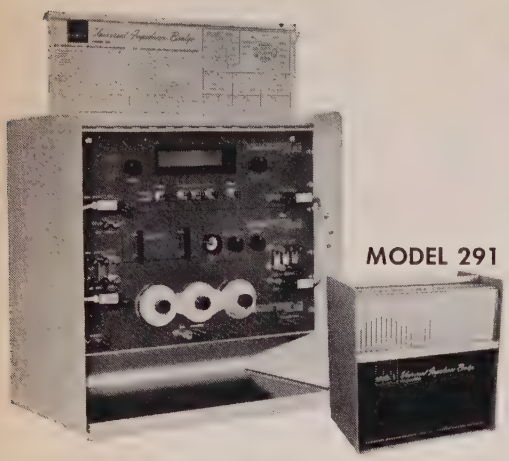
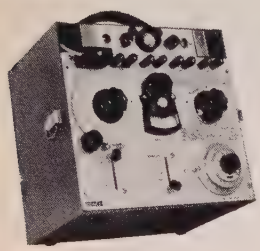
Pacific Division:
1516 N. Gardner St., Los Angeles, Calif.

®DuPont

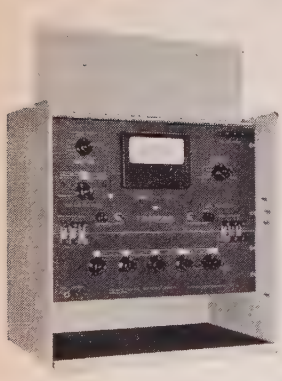
esi® *Impedance Bridges*



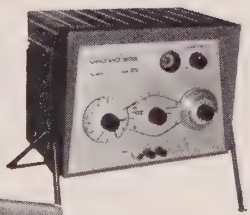
MODEL 291



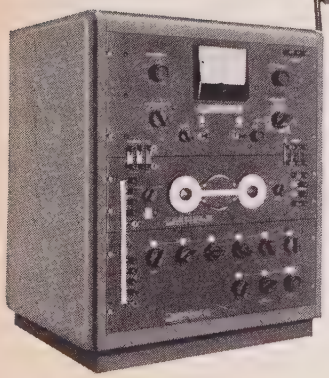
MODEL 250-DA



MODEL 231



MODEL 270



MODEL 242

MODEL 291 UNIVERSAL IMPEDANCE BRIDGE

Outstanding accuracy combined with simplicity of operation. Dc and ac impedance measurements covering seven decades of inductance, capacitance, resistance and conductance, and three decades of D and Q. Four place readings; accuracy to 0.1%. Complete with line operated ac and dc generator-detector units designed specifically as companion units for the bridge. Mounted in an attractive case with operating instructions in the cover and an insulating platform for supporting components under test.

291—UNIVERSAL IMPEDANCE BRIDGE (With Accessories) $995.00*
290-R—UNIVERSAL IMPEDANCE BRIDGE (Less Accessories) 395.00*
840-R—DC GENERATOR-DETECTOR 280.00*
860-R—AC GENERATOR-DETECTOR 250.00*

For Further Information Request Catalog Sheet C-13.

MODEL 250 PORTABLE IMPEDANCE BRIDGE

MODEL 250-DA—A compact, rugged bridge for precision measurements of inductance, capacitance and resistance, and D and Q, with self-contained line operated ac and dc generators and detectors. Price $565.00*

MODEL 250-C1—The battery powered version of the bridge, complete, less headphones. Price $375.00*

MODEL 855—A line operated generator and detector for the model 250-C1. Price $200.00*

For Further Information Request Catalog Sheet C-16.

MODEL 231 LABORATORY RESISTANCE BRIDGE

A precision, high resolution Wheatstone bridge. Five place readings; initial accuracy of ±0.005%, long term accuracy ±0.01%. Human engineered for simple operation and direct readout. Automatic decimal point location. Internal guarding permits accurate, high resolution measurements to 12 kilomegohms. Matching generator-detector provides 6 output ranges to match loads from 1 ohm to 100 kilohms. Mounted in attractive, rugged case.

231—RESISTANCE MEASURING ASSEMBLY (with accessories) $1,875.00
230R—LABORATORY RESISTANCE BRIDGE (less accessories) 450.00
800R—GENERATOR-DETECTOR 1,300.00

For Further Information Request Catalog Sheet C-21.

MODEL 270 CAPACITANCE BRIDGE

Capacitance measurements at audio frequencies with accuracy approaching primary standards. Provision for absolute calibration against known standards. Resolution 0.01%. No zero capacitance correction. Seven decades of capacitance range and three decades of dissipation factor. Available for either bench or rack mounting. Price: $575.00*

MODEL 270-H—Designed for measuring higher values of capacitance and improving accuracy at lower frequencies. Ranges extended to 10 times that of Model 270 ..... Price: $650.00*

MODEL 270-L—Designed for measuring smaller values of capacitance with high resolution and accuracy. Low range resolution to 1/1000 μμf ..... Price: $650.00*

For Further Information Request Catalog Sheet C-15.

MODEL 242 RESISTANCE MEASURING SYSTEM

A precision resistance bridge of wide range, superior accuracy and extreme resolution. Compares the percentage difference between the unknown resistance and the product of the standard resistance times the multiplier. Bridge multiplier accurate to better than ±0.005%. Comparisons to an accuracy of 1 ppm are possible by using substitution techniques. Measurements of ±0.01% accuracy can be made directly without calibration and with no need for zero resistance or lead resistance correction. Bridge and detector units mounted in attractive, rugged case.

242—RESISTANCE MEASURING SYSTEM (Bridge, detector and resistance standard in case) $3,400.00*
241—RESISTANCE COMPARISON SYSTEM (Bridge and detector in case) 2,300.00*
240R—BRIDGE (less accessories) 900.00*
RS 925—DECADE RESISTANCE STANDARD (10-decade adjustable resistance standard provides direct reading to 1.2 megohms in 100 microhm divisions. Initial accuracy is ±0.005%) 1,200.00*
800R—GENERATOR-DETECTOR 1,300.00*

For Further Information Request Catalog Sheet

*All prices f.o.b. Portland, Oregon.

Electro Scientific Industries

formerly ELECTRO-MEASUREMENTS, INC.

7524 S. W. MACADAM AVENUE • PORTLAND 19, OREGON

Deka-line Components

esi®

DEKAVIDER® & DEKAPOT® DECADE VOLTAGE DIVIDERS

Resistive voltage dividers using the Kelvin-Varley circuit. High resolution and accuracy. For use from dc through audio frequencies. Linearities to 10 parts per million. Model DP Dekapot for panel mounting, Model DV Dekavider for bench use, Model RV Dekavider for rack mounting. Prices: from $95.00 to $525.00*

For Further Information Request Catalog Sheet C-23.

DEKATRAN DECADE VOLTAGE DIVIDERS

Transformer voltage dividers providing exceptional accuracy over a wide range of environmental conditions. Models for highest accuracy (DT-72: Better than 1 ppm linearity, 0.1 ppm resolution) for maximum performance where space is at a premium (DT-45: 10 ppm linearity and resolution), and for rugged compactness (DT-35: 100 ppm linearity and resolution). DT-35, $160.00* DT-45, $275.00* DT-72, $795.00*

For Information Request Catalog Sheet C-22 (DT-45) C-24 (DT-35) and C-25 (DT-72).

DEKASTAT® and DEKABOX® DECADE RESISTORS

Adjustable resistance standards of high accuracy containing one or more decades of precision fixed resistors. Some models include an interpolating rheostat. Accuracies to 0.005% initial, 0.02% long term. Temperature coefficient less than 0.002% per degree Centigrade. Model DS Dekastat for panel mounting, Model DB Dekabox for bench use, Model RS Dekastat for rack mounting. Prices: from $63.00 to $550.00*

For Further Information Request Catalog Sheet C-18.

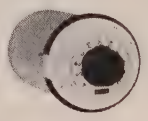
DEKAPACITOR® and DEKABOX® DECADE CAPACITORS

Adjustable, low loss decade units. Hermetically sealed polystyrene capacitors except below 1000 micromicrofarads where high quality ceramic or mica capacitors are used. Accuracy 1%. Model DK-30 Dekapacitor for panel mounting, Model DC-40 Dekabox for bench use. Prices: DK-30, $200.00 and DC-40, $240.00*

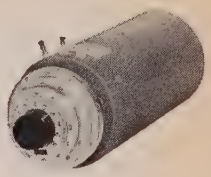
For Further Information Request Catalog Sheet C-18.

*All prices f.o.b. Portland, Oregon.

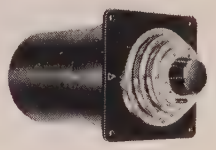
MODEL RV-622



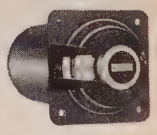
MODEL DP-213



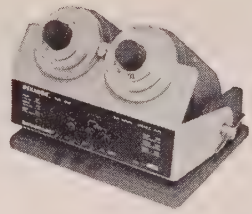
MODEL DP-311



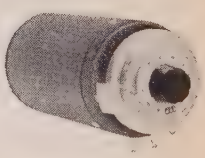
MODEL DT-45



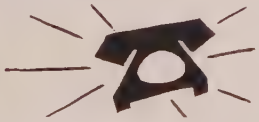
MODEL DT-35



MODEL DB-655



MODEL DK-30



TALK TO AN ESI ENGINEER — AT NO COST TO YOU

Any questions? Use your phone. Get the answers fast, accurately, first-hand from an ESI applications engineer at the factory. The numbers below are listed in your local directory. No long distance charges. Dial operator—ask for:

NEW ENGLAND & MIDDLE ATLANTIC

Wilmington, Del. ..... Enterprise 1-0384
Baltimore, Md. ..... Enterprise 9-3350
Andover, Mass. ..... Enterprise 3331
Boston, Mass. ..... Enterprise 3331
Cambridge, Mass. ..... Enterprise 3331
Lexington, Mass. ..... Enterprise 3331
(Including Bedford)
Pittsfield, Mass. ..... Enterprise 3331
Waltham, Mass. ..... Enterprise 3331
Wayland, Mass. ..... Enterprise 3331
Wilmington, Mass. ..... Enterprise 3331
Camden, N. J. ..... WX 6619
Eatontown, N. J. ..... WX 6619
Hasbrouck Heights, N. J. ..... WX 6619
Jersey City, N. J. ..... WX 6619
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Plainfield, N. J. ..... WX 6619
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Ridgewood, N.J. ..... WX 6619
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Unionville, N. J. ..... WX 6619
Whippany, N. J. ..... WX 6619
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Brooklyn, N. Y. ..... Enterprise 6619
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Utica, N. Y. ..... Enterprise 6619
Charlotte, N. C. ..... WX 1000
Washington, D. C. ..... Enterprise 1-3331

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Atlanta, Ga. ..... WX 1000

NORTH CENTRAL

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Indianapolis, Ind. ..... Enterprise 3331
Detroit, Mich. ..... Enterprise 7779
Minneapolis, Minn. ..... Zenith 3331
Kansas City, Mo. ..... Enterprise 8675
St. Louis, Mo. ..... Enterprise 8675
Cleveland, Ohio ..... Enterprise 3331
Dayton, Ohio ..... Enterprise 3331
Philadelphia, Pa. ..... Enterprise 6619
Pittsburgh, Pa. ..... Zenith 0619
Milwaukee, Wis. ..... Enterprise 8-3331

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Tucson, Ariz. ..... Enterprise 675
Berkeley, Calif. ..... Enterprise 1-3031
Burbank, Calif. ..... Zenith 9-1088
Culver City, Calif. ..... Zenith 9-1088
Downey, Calif. ..... Zenith 9-1088
East Bay, Calif. ..... Enterprise 1-3031
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Folsom, Calif. ..... Enterprise 1-3031
Glendale, Calif. ..... Zenith 9-1088
Hawthorne, Calif. ..... Zenith 9-1088
Inglewood, Calif. ..... Zenith 9-1088
Livermore, Calif. ..... Enterprise 1-3031
Los Angeles, Calif. ..... Zenith 9-1088
North Hollywood, Calif. ..... Zenith 9-1088
Mt. View, Calif. ..... Enterprise 1-3031
Palo Alto, Calif. ..... Enterprise 1-3031
Pasadena, Calif. ..... Zenith 9-1088
Redwood City, Calif. ..... Enterprise 1-3031
Sacramento, Calif. ..... Enterprise 1-3031
San Diego, Calif. ..... Zenith 9-1088
San Francisco, Calif. ..... Enterprise 1-3031
San Jose, Calif. ..... Enterprise 1-3031
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Albuquerque, N. M. ..... Enterprise 675
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Renton, Wash. ..... Zenith 9351
Seattle, Wash. ..... Zenith 9351

If your area is not listed above, call us collect—**CH 6-3331**, Portland, Oregon

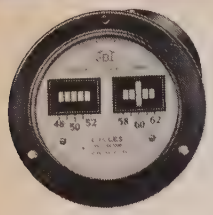
Electro Scientific Industries

formerly ELECTRO-MEASUREMENTS, INC.

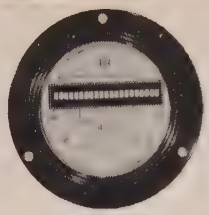
7524 S. W. MACADAM AVENUE • PORTLAND 19, OREGON

REED FREQUENCY METERS • ELAPSED TIME METERS
TOGGLE, LEVER and ROTARY SWITCHES of Instrument and Test Equipment Quality for THE ELECTRONIC INDUSTRY

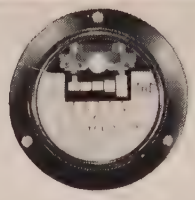
CONTINUED ON NEXT PAGE



Model 30-F
Dual Range, Double Window



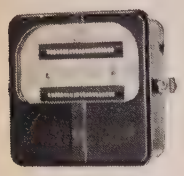
Model 36-FX-21
21-Reed Meter in 3½" Case



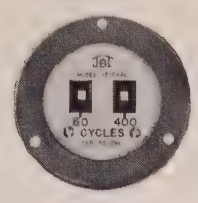
NEW! Model RR-AO2
Frequency Limit Control

ST27N

MS35058-21

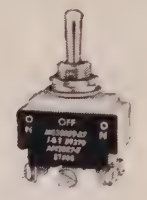


Model 41-FX-42
300—500 cycles and
380—420 cycles, 4" case.

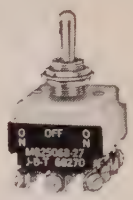


Model 15-FHAC
2-Reed in 1½" Sealed Case

Model 33-FP-9M
TS-328 A/U (400 cy. type)



MS35059-27



MS25068-27

VIBRATING REED FREQUENCY METERS

Meters illustrated are used wherever constant or known frequency is important to efficient operation of equipment.

- ***Permanently Accurate*** **within ±0.3% or better at reference temperature, depending on the model. This accuracy is not affected by poor wave form, external magnetic disturbances, or voltage fluctuations.**
- ***Size and Type for Every Service.*** **Made in many portable and panel styles and reed groupings; 12-650 cycles and above.**
- ***Rugged Construction*** **of simplified, patented design, with no moving parts to wear out or get out of calibration.**
- ***Suitable for Electronic Circuits.*** **Power consumption is comparatively low, and J-B-T reeds have high Q with prompt, sharp response.**

3½", 2½" and 1½" SEALED Types

3½" FHXX Meters, sealed glass-to-metal construction with solder terminals, meet or exceed the sealing, mounting and electrical requirements of JAN-I-6 and MIL-M-6A, including the 3000 volt breakdown. Barrel diameter, 2 11/16" —overall depth behind flange, 2⅞"... New 2½" Models 21-FHXX and 23-FHXX now are cataloged... The 1½" Sealed Size is illustrated by Model 15-FHAC, above, 60 and 400 cycles, 2 reeds, 8-10 volts, for cathode follower circuits as in standardizing output of audio oscillators... also 15-FH Series, 5 reed, 58-62 cycles, 100-130 volts, or 390-410 cycles, 110-130 volts. Barrel, 1½" dia., detachable flange, 2.094" dia., solder terminals.

REED RELAYS AND TACHOMETERS

For selective frequency calling in the range of 20-1000 cps, J-B-T makes oscillator controls (tone generators); also reed relays of single and multi-reed types. All are housed in compact plug-in cases with internal shock mounts. Bulletin 160-R. For frequency limit control, J-B-T has developed a patented instrument which *indicates* frequency before and during control operation. Model RR-A02 as illustrated above, is housed in 3½" panel meter case. Features include magnetic latching principle—no intermittent contact—and output of 15 to 25 ma. Bulletin 260-L.

Tachometers for reading r.p.m. by resonance alone—no electrical or complicated mechanical connections—are described in Bulletin MT-458.

ELAPSED TIME METERS

For maintenance, tube life, or test time records, J-B-T elapsed (or running time) meters provide valuable information about new or existing equipment. Model 31-ES in 3" rectangular molded case (illustrated) registers in 1/10 hour steps to 9,999.9 hours, then resets automatically. Most popular, Model 31-EX, with 3½" round case, normally is stocked for 60 cycles, 100-130 volts. Variations such as 50 cycles, 230 volts, 0-99,999 hours, or 0-9,999.9 minutes are available. Newest in design, Model 21-EPL (illustrated) provides a clear-plastic front 2 19/32" wide x 2⅜" high, having 2⅛" diam. metal barrel behind panel, Print SK-102, compatible with all modern instruments.

SEALED ELAPSED TIME METERS

60 or 50 cycle, Model 31-EHXX, same as 31-EX above but fully sealed, with glass-to-metal construction, solder terminals, and 3½" detachable flange to match XX metal frequency meter case. 1000 volt breakdown... Model 21-EHXX, 2½" sealed 60 cycle meter has full size counter... *400 cycle*, Model 33-EHXX, 110-125 volts, has same sealed construction, but 2¾" barrel dia., 4" deep behind panel.

BUYING THROUGH DISTRIBUTORS

Purchase of standard items through authorized electronic distributors is strongly recommended. This method saves you time, cost of stocking inventory, and transportation charges.

ASK FOR CATALOG 558-D

TOGGLE SWITCHES AN, JAN, or MIL

More than 140 models of exceptional-quality toggle switches, all designed for Government specifications, now are manufactured by J-B-T. The heavy-duty models feature solid coin-silver contacts, unique to J-B-T, which add overload protection and keep contact resistance under .005 ohms. Nominal ratings are 20 amp. at 125 VAC, 10 amp. at 250 VAC, unless otherwise indicated.

ST40, 42, 50, 52 series—Single-pole and double-pole, heavy-duty, for JAN-S-23, MIL-S-21195A (Ships), and Ordnance Standards DDAX. Solder and screw terminals.

MS35058, 35059 series—Lever seal for sand, dust, and 15 ft. water submersion tests; single-pole, double-pole, heavy-duty for MIL-S-3950A (significantly modifying MIL-S-3950). Specification covers screw terminals with solderable finish.

MS25068 series—Four-pole, with lever seal, heavy-duty types; 8 models for MIL-S-3950A. Screw terminals with solderable finish.

AN3021, 3027 series—Aircraft types with lever seal, single-pole and double-pole, heavy-duty, for MIL-S-6745. Screw terminals.

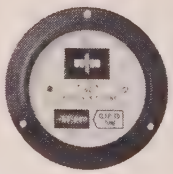
ST12, 13, 16, 17, 22, 23, 26, 27 series—Medium-duty types, for JAN-S-23, MIL-S-21195A (Ships), Ordnance Stds. DDAX. Double-grip, self-cleaning contacts; current-carrying parts heavily silver-plated. Threaded bushings are 29/64" or ¼" long; solder terminals, rear or side-connected. Nominal rating 6 amp., at 125 VAC 3 amp., 250 VAC.

MS25098, 25100 series—Medium-duty types, single-pole, double-pole, for MIL-S-3950A, with lever seal for sand, dust, and 15 ft. water submersion tests. Threaded bushings 29/64"; solder terminal connections at rear. Nominal rating 6 amp. at 125 VAC, 3 amp. 250 VAC.

Design Note—MIL-S-3950A is the latest and most comprehensive specification. It ultimately is expected to supplant most of the other specifications.

For further technical information, please request Bulletin TS-68.

FREQUENCY—ELAPSED TIME METERS



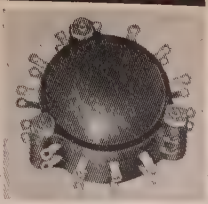
One combination meter saves panel space and does the work of two. Model 31-FE (illustrated) has 3¼" flange, metal case 4 19/32" deep; 5 reeds, 58-62 cycles. On special order 7, 9, or 11 reeds, or 50 cycles, or 3½" case (known as 31-FEX-1) can be supplied.

CONTINUED ON NEXT PAGE

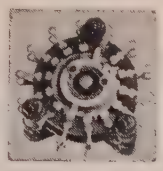
J-B-T INSTRUMENTS, INC. NEW HAVEN 8, CONN.

J-B-T ROTARY SWITCHES

For dependable performance in quality test equipment, instruments, inspection setups, and avionics, J-B-T makes 4 space-saving types—*14 positions:* 2 3/32" dia. MS-14 molded series, and 2" dia. SS-14 laminated series; *20-positions:* 2 5/8" dia. MS-20 molded series, and 2 23/32" dia. SS-20 laminated. 1 to 6 decks (more on special order), shorting or non-shorting. Conservatively rated 1 amp., 125 volts AC, inductive load; maximum momentary, (not make and break) 5 amp. Maximum voltage between contacts, 1500 volts R.M.S.; between decks and ground, 2000 volts R.M.S. Average contact resistance is 0.007 ohms or less.



MS-14 MOLDED



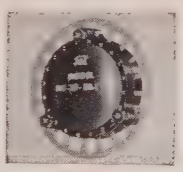
SS-14 LAMINATED

SOME NEW IDEAS IN SWITCHES

BONDED (B)—Ruggedized versions of the MS-14 and MS-20 molded switches may be ordered with bonded construction as MS-14B- or MS-20B-. Thus, a 14 pos. two-deck switch is MS-14B-2. Cured laminations bond the adjacent decks for ruggedization, shock-proofing, and further enclosure. The additional cost of this feature is moderate.

6-POLE DT (DT)—Double-throw switching, 6 circuits per deck, becomes easy with this variation of the MS-20 switch. The illustration shows the internal construction of MS-20-1-6DT with back protective cover cut away. As in all J-B-T molded switches, sturdy construction features include 3-post deck suspension, double-grip collector arms, rectangular drive shaft thru decks for reliable indexing, and heavy, fine-silver plating for 100 hour salt spray test.

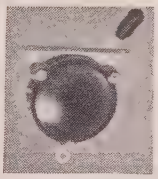
RING-CONTACT (R)—To eliminate soldering, molded MS-14R (per print SK-88) and MS-20R- (per print SK-89) switches are available on special order with the outside edge of all contacts held together by an integral ring as illustrated in the MS-20BR-1 (which coincidentally is bonded). The exclusive ring construction eliminates the need for soldering jumpers between adjacent contact positions and assures excellent connections. The rings, which add 7/32" to the O.D. of the switch, can be easily cut out between contacts, making this type excellent for development work or assembly savings.



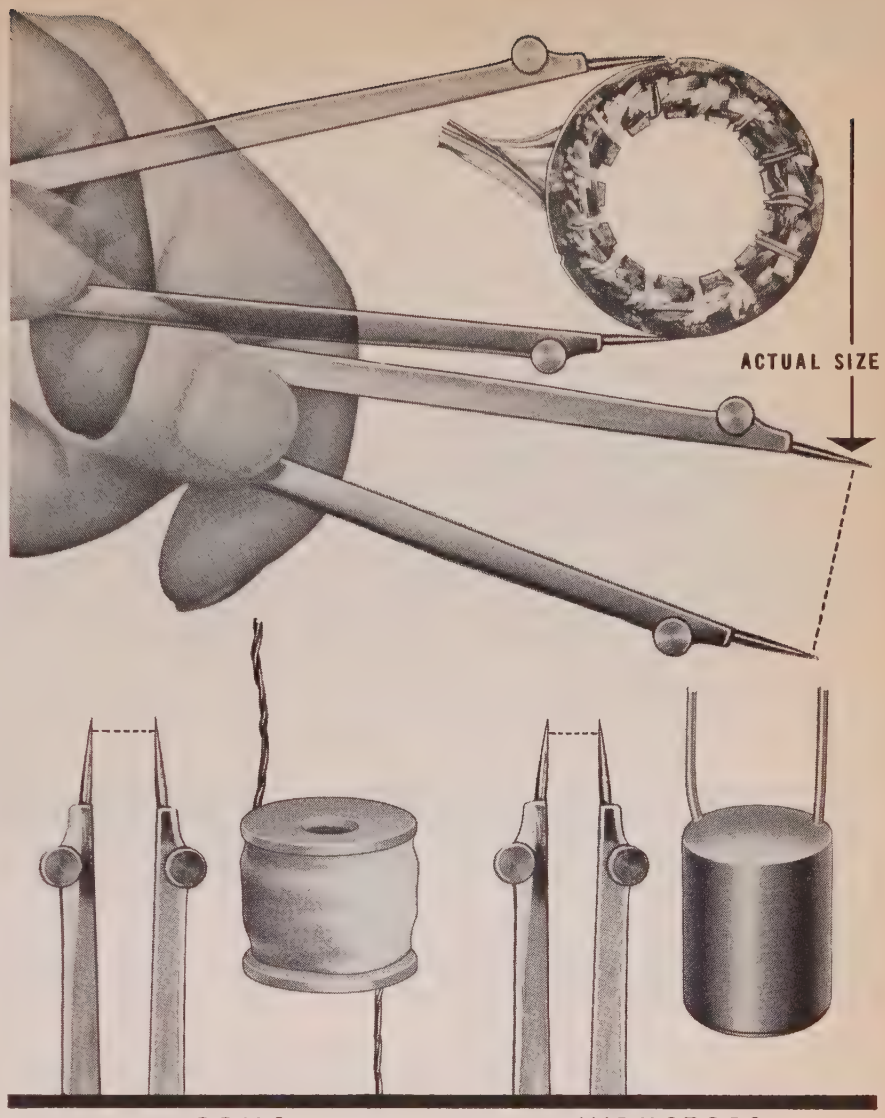
ENCAPSULATED (XX)—Send for Sketch SK-107 showing the custom-built, vaportight, gland-sealed MS-14XX variations.

LEVER ACTION SWITCHES

Model MS-20-1L5A-1 (illustrated) provides 5 live positions, 2 circuits per deck, in lustrous black molded body. Print SK-64. A unique new variation is a similar switch, 6 positions; double-circuit; **Model MS-20-1L6A-1** to print SK-119. Ten other 3- and 4-position lever switches use the same high-quality parts as laminated SS-14 series. For ganged-lever switches, see print SK-74 on the SSG types in 3, 4, or 5 positions, 2-10 decks.



J-B-T ASK FOR CATALOG 558-D



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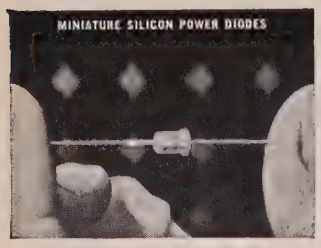
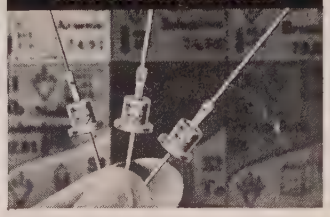
*SPECIAL MILITARY TYPES
Special configurations and high reliability rectifiers for military applications may be obtained under our "Prescribed Reliability" Program. Address your inquiry to: Military Products Dept.

MINIATURE SILICON POWER DIODES



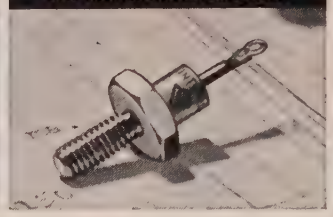
Ratings: 100 to 600 PIV, Up to 500 ma.
Specifically designed for missile and airborne equipment applications where miniaturization and reliability are prime factors. Hermetically sealed, all-welded, pigtail lead construction. Manufactured to meet the most rigid military requirements. Request **Bulletin SR-203**

PIGTAIL TYPE SILICON POWER DIODES



Ratings: 50 to 600 volts PIV • 250 to 750 ma.
An extensive line of silicon power diodes for military and industrial applications featuring all-welded, hermetically sealed construction. All designed and manufactured to meet the most rigid military requirements. For complete technical data, write for **Bulletin SR-202.**

STUD MOUNTED SILICON POWER DIODES



Ratings: 50 to 600 volts PIV • 400 ma. to 1 amp.
Industrial and military types including the 1N253, 1N254 and 1N255. Stud mounted, hermetically sealed, all-welded construction. Operating temperature range: −55°C to +150°C. Designed and manufactured to meet most rigid military specifications. **Bulletin SR-135C**

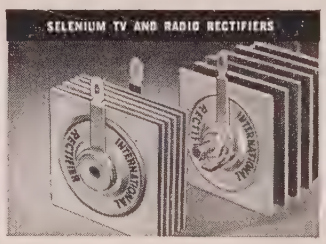
SUB MINIATURE SELENIUM DIODES

Ratings: 20 to 160 volts • 100μa to 11 ma.
Ideal components for bias supplies, sensitive relays, computers etc. High resistance, (10 megohms and higher at —10 volts). Excellent linear forward characteristics. Extremely small, low in cost. Encapsulated to resist adverse environmental extremes. **Bulletin SR-163.**

SELENIUM RECTIFIER STACKS

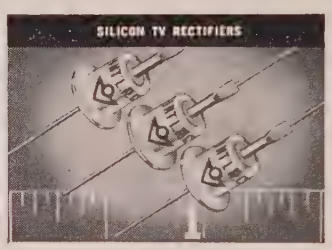
Ratings: From 100 ma. to 50 Amps.
Low forward voltage drop and low leakage characteristics make this series ideal for a wide variety of power applications. For details request **Bulletin C-349,** (26 volt cells); **Bulletin SR-160,** (45 to 52 volts per cell) and **Bulletin SR-152,** on high current density cells.

SELENIUM TV AND RADIO RECTIFIERS



Ratings: 25 to 156 volts AC, 50 to 1,200 ma. DC
The widest range in the industry! Designed for Radio, Television, TV booster, UHF converter and experimental applications. Input ratings from 25 to 156 volts AC and up. DC output current 50 to 1,200 MA. Write for application information. **Bulletin ER-178-A**

SILICON TV RECTIFIERS



Ratings: 400 PIV, up to 750 ma.
SD-500. A hermetically sealed, all-welded silicon junction rectifier offering maximum reliability in the high temperatures encountered in TV applications. Pigtail leads eliminate the need for brackets, blocks, etc., simplify installation. For complete data: **Bulletin SR-201**

HIGH Q VOLTAGE VARIABLE CAPACITOR

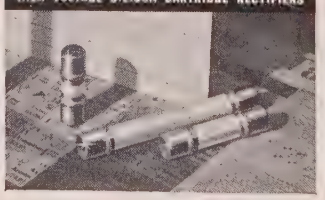
Ratings: Q of 1000, 200 PIV DC
Semicap's small size, light weight, high reliability and low power requirements make it ideal for automatic frequency control, frequency modulation oscillators and filter networks. All-welded hermetically sealed, shock-proof housing. Request **Bulletin SR-205.**

SILICON AND SELENIUM HIGH VOLTAGE TYPES

HIGH VOLTAGE SILICON POWER DIODES

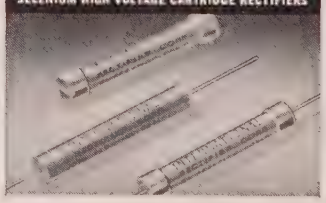
Rating: 600 to 2400 volts PIV • 100 to 125 ma.
Three types available. Hermetically sealed, pigtail construction. Style J rated at 600 to 1000 volts PIV at 125 ma. **Bulletin SR-138E** Styles K and L with PIV ratings from 600 to 2400 volts at 100 ma. dc output current are described in technical detail—**Bulletin SR-157.**

HIGH VOLTAGE SILICON CARTRIDGE RECTIFIERS



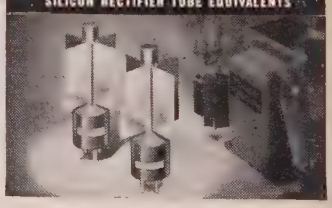
Ratings: 1000 to 20,000 volts PIV @ 45 to 440 ma.
Especially suited for miniaturized military equipment where optimum reliability is a prime factor. Standard types for normal convection cooling and high current types for forced air or oil cooling. Hermetically sealed, metallized ceramic housing. Request **Bulletin SR-225.**

SELENIUM HIGH VOLTAGE CARTRIDGE RECTIFIERS



Ratings: 20 to 20,000 volts • 0.2 to 195 ma.
Designed for long life and reliability in half-wave, voltage doubler, bridge, center-tap circuits, and 3-phase circuit types. Phenolic cartridges and hermetically sealed types available. Operating temperature range: −65°C to +100°C. For details specify **Bulletin H-2.**

SILICON RECTIFIER TUBE EQUIVALENTS



Ratings: 85 to 600 ma • 1500 to 6000 PIV.
Highly reliable series of tube replacement rectifiers rated from 1500 to 6400 PIV; 85 to 600 ma (including the ST-7 replacement for the 866 Tube) offer the superior characteristics of silicon on a wide range of high voltage applications.
For complete data: **Bulletin SR-209.**

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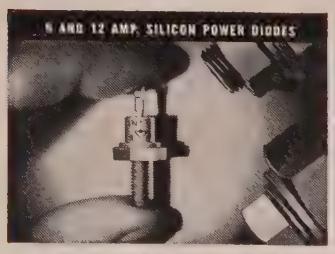
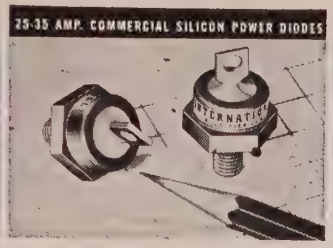
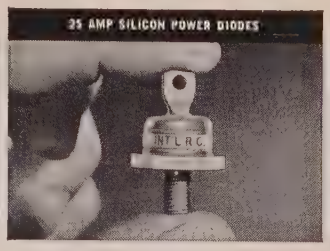
SILICON AND SELENIUM MEDIUM CURRENT TYPES TO 150 AMPS.



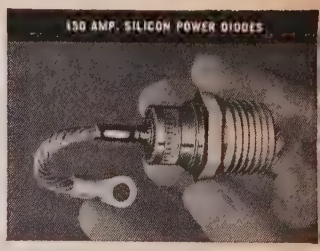
Ratings: 6 and 12 Amps • 50 to 500 PIV.
Precision-controlled diffusion process insures optimum operation and high uniformity of characteristics over the entire operating temperature range. Full 6 or 12 ampere output current over a PIV range from 50 to 500 volts. Rugged, all-welded construction.
Bulletin XSR-308.



Ratings: 25 to 35 Amps • 50 to 500 PIV.
50 to 500 PIV Rated "Quad-Sealed" power diodes are low in cost yet provide extremely stable operation on a wide range of commercial applications. 4-layer "Quad-Seal" process assures high resistance to humidity, shock, vibration and temperature extremes.
Bulletin SR-310.

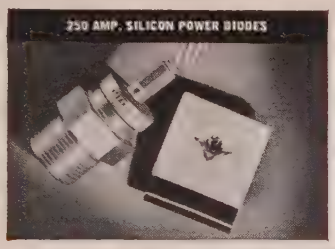


Rating: 50 to 500 volts PIV • 25 to 45 Amps.
Advanced ceramic techniques assuring excellent thermal characteristics and mechanical stability are used in the production of these highly reliable, hermetically sealed rectifiers for military or industrial applications. For complete technical data, request **Bulletin SR-304**

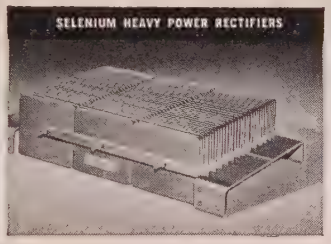


Ratings: 50 to 800 volts PIV • 45 to 150 Amps.
An extensive series of standard and reverse polarity types. Optional mounting bases including machine thread and pipe thread types. Machine thread base types: **Bulletin SR-300.** Pipe thread base types. **Bulletin SR-301.** Complete stack assemblies: **Bulletin SR-302**

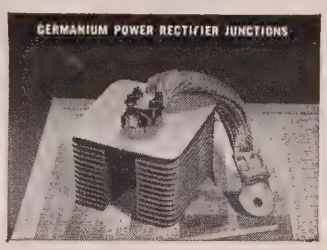
SILICON, SELENIUM AND GERMANIUM HIGH CURRENT TYPES TO 670 AMPS. PER JUNCTION



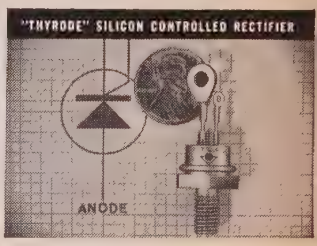
Ratings: 50 to 500 volts PIV • 75 to 250 Amps.
Standard and reverse polarity types offered in a series of machine thread and pipe thread mounting styles. Complete assemblies in all circuit configurations also available. Rugged construction and hermetic sealing assure long life and reliability. Ask for **Bulletin SR-305**



Ratings: 6 to 30,000 volts • 50 to 2,300 Amps.
Specifically designed for industrial DC power needs. Patented construction features assure long life. Descriptive bulletins available are: **Bulletin C-349,** (26 volt cells); **Bulletin SR-160,** (45 to 52 volts per cell) and **Bulletin SR-152,** on high current density cells.



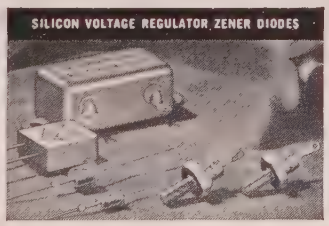
Ratings: 500 amperes • 26 to 66 volts rms
High capacity junctions especially designed for high-current, low-voltage electrochemical installations. Air cooled, these hermetically sealed junctions provide efficiency to 98.5%. Cast aluminum airfoil housing effects maximum heat transfer. Request **Bulletin GPR-25A.**



Ratings: 10 Amps • 20 to 200 PIV.
A completely new miniature control device capable of replacing the thyratron and similar units that proportionately control power to a load from an ac source. Units currently available with output currents up to 10 amps, PIV ratings from 20 to 200 volts.
Bulletin SR-350.

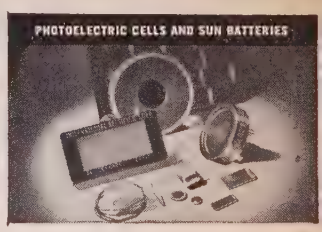
SPECIAL SEMI-CONDUCTOR DEVICES

Complete series of AC and DC types.
Designed to eliminate arcing and erosion across the contacts of relays, switches, etc. A complete series in each of three basic types: diode type, cartridge type and hermetically sealed types for industrial application. For complete data: **Bulletin SR-150-A**



Ratings: From 600 milliwatts to 10 watts
A complete series in 6 types. Miniature single junction types, multiple junction types and double anode units. 750 milliwatt and 1 watt types: **Bulletin SR-251,** 3.5 and 10 watt types: **Bulletin SR-252,** Multiple junction 5 watt types: SR-253, Double anode types: SR-254

Voltage Regulation: ±0.01%
Built to withstand environmental extremes, and operable up to 125°C, these miniature, highly stable reference packs provide output voltages of either 8.4 or 16.8 volts dc—are available in 6 distinct types allowing operation from varied power sources.
Request **Bulletin SR-401.**



(Wide range of silicon and selenium types.)
Self-generating cells available in standard and custom sizes, mounted or unmounted. For details on wide selection of selenium types, request **Bulletin PC-649A.** Silicon solar cells with efficiencies as high as 10%. Designed to rugged military specifications. **Bulletin SR-275A.**

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WAVEGUIDE INSTRUMENTS

FREQUENCY BAND CODE LETTER	S	C	G	H	X	U	K	V
INSTRUMENT	3x1½ 2.6-3.95 KMC	2x1 3.95-5.85 KMC	1½x¾ 5.85-8.2• KMC	1¼x⅝ 7.05-10.0 KMC	1x½ 8.2-12.4 KMC	.702x.391 12.4-18.0 KMC	.500x.250 18.0-26.5 KMC	.360x.220 26.5-40.0 KMC
Frequency Meter, Direct Reading	12S1 **$450**	12C1 **$250**			12X1 **$150**	12U1 **$210**	12K1 **$230**	
Frequency Meter, Precision	14S1 **$850**	14C1 **$565**	14G1 **$450**		14X1 **$450**			
Waveguide Slotted Line †	**21S1 **$450**	*21C1 **$110**			*21X1 **$90**	*21U1 **$110**		
Universal Carriage		21A1 **$160**			21A1 **$160**	21A1 **$160**		
Adjustable Shorts	23S1 **$100**	23C1 **$70**	23G1 **$60**	23H1 **$50**	23X1 **$40**	23U1 **$90**	23K1 **$130**	23V1 **$140**
Reflectometer Coupler	24S1 **$600**	24C1 **$350**			24X1 **$175**			
Barretter Mount, Fixed	33S2 **$150**	33C2 **$140**	33G2 **$130**		33X2 **$70**			
Tunable Detector Mount	34S1 **$180**	34C1 **$95**	34G1 **$90**	34H1 **$85**	34X1 **$75**	34U1 **$160**	34K1 **$170**	34V1 **$180**
Termination, Low Power	42S1 **$50**	42C1 **$40**	42G1 **$35**	42H1 **$30**	42X1 **$25**	42U1 **$30**	42K1 **$30**	42V1 **$35**
Termination, High Power	43S1 **$150**	43C1 **$140**		43H1 **$100**	43X1 **$85**			
Crossguide Coupler, 20 to 50 db	44S2 **$150**	44C2 **$130**	44G2 **$90**	44H2 **$80**	44X2 **$60**	44U2 **$80**	44K2 **$100**	44V2 **$110**
Level Set Attenuator					47X1 **$45**	47U1 **$50**		
Adapter	54S1 **$70**	54C1 **$40**			54X1 **$35**		54K2 **$25**	54V2 **$25**
Standard Gain Horns	56S1 **$175**	56C1 **$150**	56G1 **$125**	56H1 **$120**	56X1 **$90**	56U1 **$110**	56K1 **$110**	56V1 **$110**

* Mounts in 21A1 Universal Carriage
** Complete Assembly includes carriage
† 21L1 Slotted line in 6.660"x3.410" Waveguide also available—complete assembly including carriage.
• Certain Instruments cover range 5.2-8.2 KMC.

ELECTRONIC INSTRUMENTS

INSTRUMENT	APPLICATION	FREQUENCY RANGE	FEATURES	PRICE
Model 29A1 Standing Wave Indicator	SWR Indicator Null Detector, TAA	300-5000 Cycles	Adjustable Bandwidth Bolo Current Readout	**$200**
Model 29A2 Input Switch	Used with 29A1 SWR Indicator	—	Convenient for Comparison Measurement	**$30**
Model 31A1 Average Power Meter	R-F Power Measurement	Per Bolometer Mount	± 3% Accuracy, .02 to 10 MW	**$240**
Model 31A2 Peak Power Meter	R-F Peak Power Measurement	Per Bolometer Mount	± 10% Accuracy, Direct Reading	**$1200**
Model 62A1 Universal Klystron Power Supply	Universal Power Source for Klystrons	—	200-4000 Beam Volts @ 150 MA .01% Regulation 0-1000 Reflector Volts 3 MV Max. Ripple	**$1300**
Model 62A2 D. C. Klystron Filament Supply	D. C. Filaments for high stability operation	—	Adjustable Output Voltage Low Ripple	**$190**

COAXIAL INSTRUMENTS

INSTRUMENT	APPLICATION	FREQUENCY RANGE	FEATURES	PRICE
Model 72L2, 72S2, 72C2, 72H2 Isolators, Low Power	Source Component Isolators for Laboratory Measurement	1-2 2-4 4-7 7-11 KMC	High Isolation Low VSWR	**$250 ($180 for H-Band)**
Model 12L1 Broadband Frequency Meter	Frequency Measurement	660 to 3000 MC	Transmission type measurements including meter with sensitivity control Direct Reading	**$550**
Model 21B1 Tunable Broadband Probe	Detector for Slotted Line Measurements	1-18 KMC	Ultimate in Tuning Ease	**$125**
Model 33B2 Coaxial Thermistor Mount	R-F Power Measurements	10 MC to 10 KMC	Fixed Tuned, Low VSWR	**$75**
Model 34B1 Tunable Coaxial Detector Mount	R-F Detector	1.0 to 12.4 KMC	Convenient Broadband Operation	**$125**
Model 54B1, 54B2, 54B3, and 54B4 Coaxial Adapters	Transition from ⅞ to ⅜ Coax. ⅞ to ⅞ Coax.	0 to 10 KMC	Low VSWR	**$40**

SPERRY 50

SPERRY MICROWAVE ELECTRONICS COMPANY, *CLEARWATER, FLORIDA • DIVISION OF SPERRY RAND CORPORATION*

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When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

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SPERRY MICROWAVE ELECTRONICS COMPANY

FERRITE ISOLATORS

A complete line of ferrite isolators, circulators, and other solid state devices—for research and production—from the industry's foremost ferrite and solid state laboratory.

TYPICAL SOLID STATE ISOLATORS AND CIRCULATORS

	To 500 mc J	.5-1 kmc P	1-2.6 kmc L	2.6-3.95 kmc S	3.95-5.85 kmc C	8.2-12.4 kmc X
High Power Coaxial Isolators	D44J6	D44P6	D44L6	D44S2		
High Power Waveguide Isolators			D41L1	D41S1	D41C1	D41X1
High Power Ridge Waveguide				D42S2	D42C2	D42X2
High Power Duplexers	D51J1	D51P1	D51L1	D51S1	D51C1	D51X1
Broadband Laboratory Isolators			72L2	72S2	72C2	72X2
Miniaturized Isolators			D44L7	D44S7	D44C7	
Miniaturized Tee Circulators	D52J1	D52P1	D52L1	D52S1	D52C1	

MICROWAVE ANTENNAS, SUBSYSTEMS, AND COMPONENTS

Sperry has been developing and producing microwave antennas, subsystems, and components for numerous radars and other such equipments covering the entire microwave spectrum.

TEST SETS AND SYSTEMS INSTRUMENTATION

From small portable field test equipment to large complex automatic checkout equipment, Sperry has pioneered in combination test sets, performance monitors and evaluators, RACE™, and simulators.

Combination Test Sets

Model 670	—	400-450 mc
Model 590	UPM-44C	2.7-3.5 kmc
Model 552	SPM-5	5.4-5.9 kmc
Model 570	UPM-32	8.5-10.5 kmc
Model 557	UPM-42	23.5-24.5 kmc
Model 580A	UPM-14	34.0-35.6 kmc

Range Calibrators

—	UPM-11	8.5-9.6 kmc
Model 551A	SPM-6	5.4-5.9 kmc
Model 619	—	15.7-17.0 kmc
Model 610	UPM-40	23.5-24.5 kmc

FM Test Sets

Model 38A	TS-147B	8.5-9.6 kmc
Model 729	UPM-29A	15.7-17.0 kmc

VSWR Test Sets

Model 539A	UPM-12A	8.5-9.6 kmc
Model 727	UPM-27A	15.7-17.0 kmc

Spectrum Analyzer

Model 728	UPM-28A	15.7-17.0 kmc

Radar Performance Monitors In X- and C-Bands

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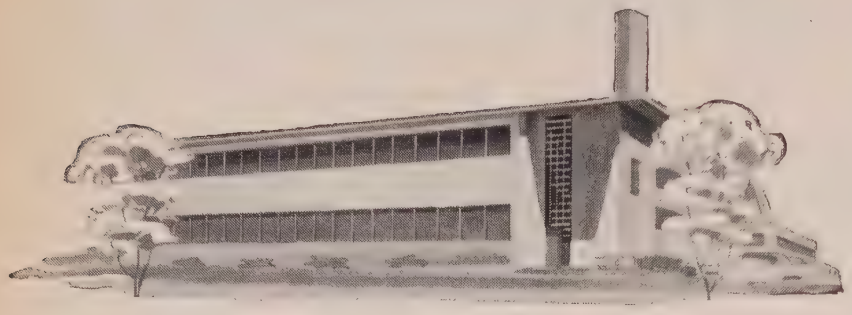
VARFLEX

. . . the flexible, insulating
SLEEVING and TUBING
used by leading American manufacturers



Varflex Corp. factory in Rome, N. Y.

Pick any combination of characteristics, and there is a Varflex sleeving or tubing to meet them. In the toughest applications of all—in jet plane components which *must* operate efficiently at temperatures ranging from —85° to 500°F.—Varflex has proved its reliability again and again.

Any or all of the following characteristics are available in the degree that fits your application: high dielectric retention . . . high thermal stability . . . high tensile, mechanical or impact strength . . . non-interference with magnetic field . . . excellent resistance to oil, grease, alkali, acid, heat, pressure, vibration.

Choose from the World's MOST COMPLETE LINE

Varglas Silicone Rubber Tubing. Class H-A-1. The ultimate in flexibility, yet dielectric protection to 8000 volts. Class H-B-1 (4000 volts) available, also. Continuous exposure from minus 70°F. to 400°F. does not affect coating or braid.

Varglas Silicone Rubber Sleeving. Made in Class H-C-1 (2500 volts) and Class H-C-2 (1500 volts).

Varglas Silicone Resin Tubing. Class H-A-1 is recommended for applications requiring extremes of heat endurance and high dielectric strength (7000 volts). Class H-B-1 is identical except for dielectric guarantee (4000 volts). Good abrasion resistance.

Varglas Silicone Resin Sleeving. Made in Classes H-C-1 (2500 volts), H-C-2 (1500 volts) and H-C-3.

Silflex Sleeving. A light coating of Silicone resin on fiberglas braid. Extremely flexible within a temperature range from minus 85°F. to 500°F.

Varglas Silicon Lead Wire. Made from solid or stranded wire covered with one or more walls of Fiberglas braid and impregnated with Silicone resin.

Varglas Silicon Tying Cords. Continuous filament Fiberglas cords impregnated with Silicone resin. $\frac{1}{64}$" to $\frac{1}{8}$" diameter. Specify dry cure or tacky cure.

Varfil Tubing and Sleeving. Fiberglas braids impregnated with polyester resin. Four grades available in coils as well as 36" lengths in most sizes. In a class by itself because of its toughness, flexibility, high temperature resistance and ability to withstand bending and twisting without dielectric loss. Compatible with varnish.

Varflo Tubing and Sleeving. Class B insulation. For those who need flexibility, solvent, oil and moisture resistance, and yet do not require Class H insulation. Will pass the NEMA heat endurance test of 15 minutes at 425°F. Also passes 300 hours at 300°F. Varflo has good shelf life and will not lose dielectric strength when subjected to severe twisting.

Varglas Varnished Tubing. Flexible continuous coatings of flame resistant varnish built up over Fiberglas braid in eight or more carefully controlled operations.

Varglas Varnished Sleeving. NEMA Classes B-C-1, B-C-2, and B-C-3 are similar except for dielectric strength.

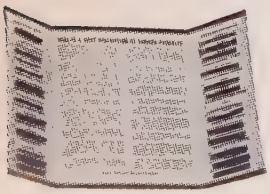
Varglas Non-Fray Sleeving—Type H. The normalizing treatment given the Fiberglas braid removes the organic impurities and tends to hold the individual filaments together. May be subjected to temperatures as high as 1200°F. Recommended for applications where dielectric requirements are not of prime importance. Resists fungus and is non-corrosive.

Varglas Non-Fray Sleeving—Type HO. Has a very light treatment of resin after the braid has been normalized—just enough to hold the sleeving round for accurate cutting. Will distend to cover soldered joints or terminals. Available in eight colors, sleeving unaffected up to 1200°F.

Varglas Litewall Sleeving. Wall thicknesses of .008" and .006" available untreated or treated.

Syntholvar Extruded Tubing. Several formulations of vinyl polymers. All have high dielectric and tensile strength. Will not support combustion nor absorb moisture. Smooth surface, thin wall and flexibility all make for ease in assembling operations. For installations where temperatures of 105°C. must be withstood. Also will function at temperatures down to —65°C. Specify fungus resistant tubing where needed.

Varflex Cotton Tubing. Furnished with lacquer or varnish as the impregnant. Braided from long staple cotton yarns. Four standard NEMA grades. Varflex Cotton Sleeving. Available in three NEMA grades, Classes A-C-1, A-C-2, and A-C-3.



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VARFLEX CORPORATION

506 W. Court St., Rome, N. Y.

Varflex CORPORATION
Makers of Electrical Insulating Tubing and Sleeving

CIC

PRECISION FILM POTS

AVAILABLE FROM STOCK!

You can have any of these precision film pots on their way to you within hours. No need to wait for "custom" pots.

LINEAR SINGLE TURN FILM POTENTIOMETERS

Diameter	Resistance	Linearity
1/2"	1K	± .5%
	10K	± .5%
	50K	± .5%
7/8"	1K	± .5%
	10K	± .5%
	50K	± .5%
	1K	± .25%
	10K	± .25%
	50K	± .25%
1-3/32"	1K	± .5%
	10K	± .5%
	50K	± .5%
	1K	± .25%
	10K	± .25%
	50K	± .25%
2"	5K	± .25%
	20K	± .25%
	50K	± .25%
	5K	± .1%.
	20K	± .1%
	50K	± .1%
3"	5K	± .1%
	20K	± .1%
	50K	± .1%
	5K	± .05%
	20K	± .05%
	50K	± .05%

SINE-COSINE SINGLE TURN FILM POTENTIOMETERS

Diameter	Resistance	Conformity
1-3/32"	10K	± .75%
	20K	± .75%
2"	10K	± .25%
	20K	± .25%
3"	10K	± .15%
	20K	± .15%

LINEAR MOTION FILM POTENTIOMETERS

Size	Resistance	Stroke	Linearity
1" Sq.	10K	1" Stroke	± .5%
	20K	1" Stroke	± .5%
	10K	2" Stroke	± .25%
	20K	2" Stroke	± .25%
	10K	3" Stroke	± .1%
	20K	3" Stroke	± .1%

Write or call in your order! Potentiometers will be in your plant within 24 hours.

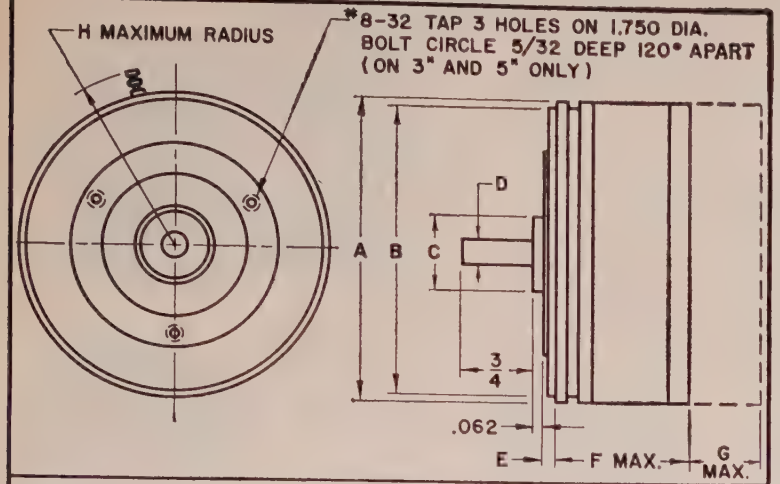
CIC COMPUTER INSTRUMENTS CORPORATION

90 MADISON AVE., HEMPSTEAD, L. I., N. Y.

PRECISION CARBON FILM POTENTIOMETERS

Infinite Resolution • Long Life • High Accuracy • Low Noise • Low Torque

ROTARY



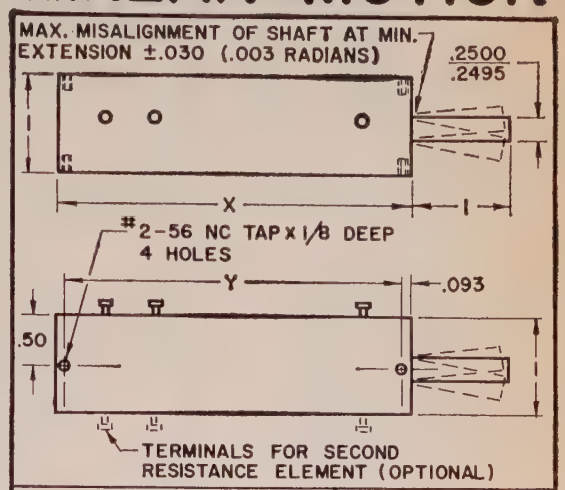
DIMENSIONS

MODEL	50	78	105 & 106	205 & 206	305 & 306	505 & 506
A	1/2	7/8	1 3/32	2	3	5
B	.4375	.7500	1.0300	1.8750	2.8750	4.8750
C	—	—	—	—	.7500	.7500
D	.1250	.1250	.1250	.2500	.2500	.2500
E	.060	.040	.040	.060	.060	.060
F	3/4	.635	.635	.985	1.350	1.870
G	—	.635	.635	.985	1.350	1.870
H	1/2	.570	.670	1.125	1.800	2.800

SPECIFICATIONS

MODEL	LINEAR	SINE-COSINE
MECHANICAL ROTATION	360° CONTINUOUS	
ELECTRICAL FUNCTION ANGLE	350° NOMINAL	360°
RESISTANCE RANGE	1K-250K	500Ω-50K QUAD
BEST LINEARITY OR CONFORMITY	.1% ÷ INCH OF DIA.	.3% P-P ÷ INCH OF DIA.
VIRTUAL RESOLUTION	1/75,000 ÷ INCH OF DIAMETER	
WATTAGE	DIAMETER x 2	
TEMPERATURE RANGE	-55°C TO 150°C	
TAPS, MAXIMUM NO.	DIAMETER x 6	
STARTING TORQUE (IN.-OZ.)	DIAMETER x .15	DIAMETER X .2
GUARANTEED LIFE (AT 100 R.P.M.)	TO 30 MILLION CYCLES	

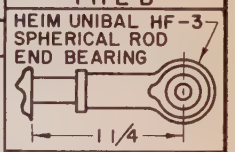
LINEAR MOTION



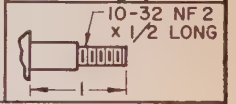
DIMENSIONS

STROKE	X	Y
1/4" TO 1"	2.125	1.937
1" TO 2"	3.125	2.937
2" TO 3"	4.125	3.937
3" TO 4"	5.125	4.937
4" TO 5"	6.125	5.937
OVER 5"	1.125 +STROKE	.937 +STROKE

TYPE B

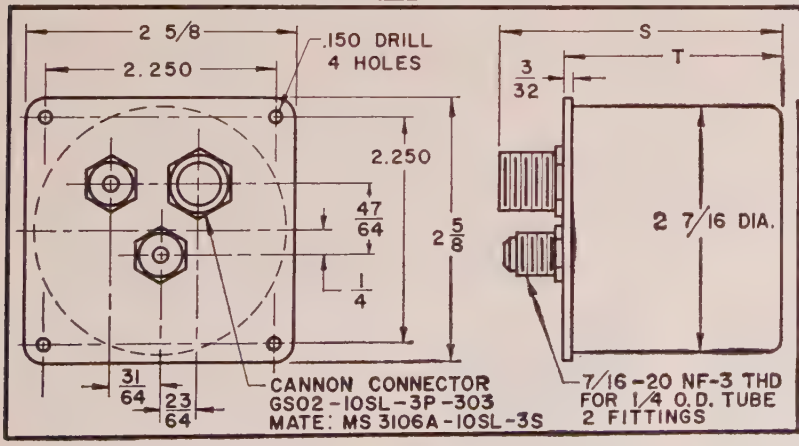


TYPE C



SPECIFICATIONS

RESISTANCE RANGE	250 MIN. TO 125K MAX. PER INCH OF STROKE
BEST LINEARITY	.2% ÷ LENGTH OF STROKE
VIRTUAL RESOLUTION	1/35,000 ÷ INCH OF STROKE
WATTAGE	1 WATT PER INCH OF STROKE
TEMPERATURE RANGE	-55°C TO 150°C
TAPS, MAXIMUM NO.	4 PER INCH OF STROKE
STARTING FORCE	.5 LB. MAX. AT 25° C
LIFE	TO 30 x 10⁶ STROKES DEPENDING ON CIRCUITRY



PRESSURE

SERIES 6000

1	INFINITE RESOLUTION POTENTIOMETER OUTPUT
2	PRESSURE RANGE 0-5 TO 0-4000 P.S.I. GAGE, DIFFERENTIAL, ABSOLUTE
3	LINEARITY ±0.3% (0-100 PSI) ±.5% (0-4000 PSI)
4	DIRECT COUPLED PRESSURE CAPSULE ELIMINATES BACKLASH, FRICTION AND REPEATABILITY ERRORS
5	TEMPERATURE SENSITIVITY LESS THAN .005% °C
6	HIGH OUTPUT VOLTAGE (50 VOLTS MAX. AC OR DC)
7	RUGGEDIZED FOR WORST ENVIRONMENTAL CONDITIONS

DIMENSIONS	0-100 PSI	100-4000 PSI
S	3 3/8	2 3/8
T	2 19/32	1 19/32

FIRST IN FILM POTS

WRITE FOR COMPLETE CATALOG

COMPUTER INSTRUMENT CORPORATION

90 Madison Avenue, Hempstead, L. I., N. Y.

Shallcross

PRECISION WIREWOUND RESISTORS

Small, Shallcross "P-Type" encapsulated resistors offer unmatched stability and reliability for critical applications. All are reverse-pi wound on multiple-section epoxy resin bobbins then hermetically-sealed in a tough epoxy coating.

"P-Type" resistors are offered in a complete range of commercial and military types with radial leads, axial leads, or lug terminals. Military types meet or exceed MIL-R-93A (85°C ambient) and MIL-R-9444 (125°C ambient) requirements—including salt water immersion tests. Standard tolerances—1%, 0.5%, 0.25%, 0.1%, and 0.05%. Close tolerances and matched pairs a specialty. *Write for Bulletin L-30.*

ROTARY SELECTOR SWITCHES

STANDARD SWITCHES

Single-Pole, instrument-type switches using silicone-impregnated steatite or phenolic desks. ¼" laminated silver or solid brass contacts and multiple-leaf wiper arms. Positive, long-life ball-bearing detent. Up to 4 decks. Many optional special features. *Bulletin L131.*

OVAL CERAMIC SWITCHES

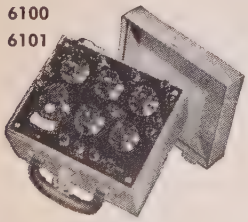
Assembled by Shallcross from stock, interchangeable parts, the "12,000" Series offers custom-built quality without the delay and cost of specials. Solid silver contacts and collector rings on steatite decks. ard tolerances—1%, 0.5%, 0.25%, 0.1%, per deck, up to 10 decks. Adjustable stop. Optional detent. *Bulletin L-32.*

MINIATURE SWITCHES

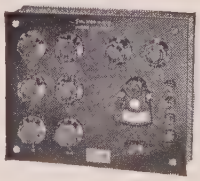
Only 1¾" square by 1" deep for first deck, ⅝" for additional decks. Silver alloy button contacts and multi-leaf wipers maintain low contact resistance. Glass fiber Silicone-laminate decks for outstanding humidity, moisture and salt-spray resistance. 1 to 4 poles per deck. 1 or 2 hole mounting. Easily-positioned, adjustable stops. *Bulletin L-45A.*

BRIDGES

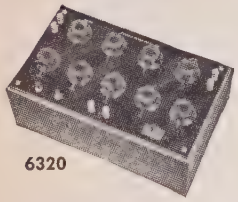
Field & Lab Types for Precise DC Resistance Measurements . . . 1 micro-ohm to 10^{9} megohms.
Bulletin L-19B



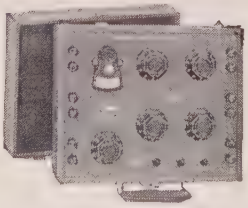
6100
6101



617 series



6320



638-R

Model Number	Measurement Accuracy	Maximum Setting	Minimum Setting	Circuit	Special Features
6100	±0.1% +0.01Ω (.1Ω to 1.011 MegΩ)	1.011 MegΩ	0.001Ω	Fault Location—Wheatstone	Fault Location by Murray, Varley, Hilborn & Fisher Loop Tests.
6101	±0.1% +0.01Ω (1Ω to 11.11 MegΩ)	11.11 MegΩ	0.001Ω	Wheatstone	Four dial rheostat usable as decade box.
6320	±0.02% +0.01Ω (1Ω to 11.11 MegΩ)	111.11 MegΩ	0.00001Ω	Wheatstone	Most accurate five dial Shallcross bridge for direct resistance measurement.
	±0.05% to ±20% on separate "+" and "—" percent selectors. (1Ω to 10 MegΩ)	11.111 MegΩ	0.0001Ω	Percent Limit	Rapid "GO-NO GO" percent limit testing. Built-in adjustable comparison standard.
638-R	±0.75% or better (.001Ω to 1Ω)	11.11Ω	0.000001Ω	Kelvin	Overlapping Kelvin and Wheatstone ranges selected with single ratio dial.
	±0 2% +0 01Ω (1Ω to 11.11 MegΩ)	11.11 MegΩ	.001Ω	Wheatstone	
6350	±1%, (10Ω to 10 MegΩ) ±2%, (10 MegΩ to 10,000 MegΩ) ±5%, (above 10,000 MegΩ)	1.111 x 10^{6} MegΩ	0.01Ω	Wheatstone with d-c Amplifier	Modular construction dual range power supply, null indicator-amplifier, for 115V. 60 cycle operation.
617 Series	±0.1% to ±20% on separate "+" and "—" selectors from a minimum resistance consistent with number of dials in use to the maximum settings.	111,111Ω 1,111,110Ω 11,111,100Ω	0.1Ω *1Ω 10Ω	Percent Limit	For rapid "GO-NO GO" percent limit testing. Hand or foot operated for production testing. All models also usable for direct resistance measurements. Binding post for external d-c power supply.
	†±0.2% +0.01Ω from a minimum consistent with number of dials in use to the maximum setting.	111,111Ω 1,111,110Ω 11,111,100Ω	0 1Ω *1Ω 10Ω	Wheatstone	

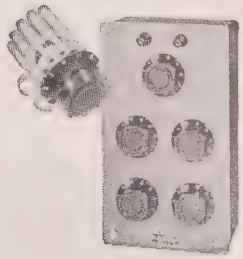
† Except 617B and 617J ±0.1% ±0.01Ω.

* Except 617G, 0.01Ω.

DECADE RESISTANCES

Available as single unmounted decades or as complete decade resistance boxes with 1 to 6 dials. Steps as low as 0.01 ohm; total resistance as high as 11,111,100 ohms.

Remarkably rugged and accurately-calibrated for maintained stability in rough lab, classroom and production line work. Uses impregnated Shallcross precision wirewound resistors mounted on steatite switch decks. Large button contacts of silver or brass. *Write for Bulletin L-17A.*



DECADE VOLTAGE DIVIDERS

Laboratory-type voltage dividers used in bridge circuits, for measuring rotary potentiometer linearity, in synchro-test delta bridge circuits, and in other uses requiring maintained accuracy and high resolution. Kelvin-Varley or Potentiometer circuits available in eight 4 and 5 dial models.

Impregnated Shallcross precision wirewound resistors used throughout. Steatite instrument switches assure uniformly low contact resistance. *Bulletin L-16B.*

SHALLCROSS MANUFACTURING CO.

SELMA, NORTH CAROLINA
Representatives in principal U.S. Cities; Toronto & Vancouver, Canada

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HUGHES FAMILY OF DIRECT-VIEW STORAGE TUBES

World's most complete line of storage tubes!

TONOTRON* TUBE: displays full range of grey scale images for daylight viewing. Ideal for weather radar, PPI presentations, "B" scan projections and other complex radar systems.

MEMOTRON® TUBE: displays successive transients until intentionally erased. Permits direct comparison and analysis of wave forms without photography.

TYPOTRON® TUBE: displays any combination of 63 symbols or characters at speeds to 25,000 per second. Retains presentation until intentionally erased.

STORAGE TUBE CHARACTERISTICS

	SCREEN DIAMETER	STANDARD PHOSPHOR	DEFLECTION
TONOTRON TUBES			
H1021	3"	P1	Electrostatic
7221	5"	P20	Electrostatic
7222	5"	P20	Electrostatic
7033	5"	P20	Electromagnetic
H1044	21"	P20	Electromagnetic
H1028	4"	P1	Electrostatic
H1033	10"	P20	Electromagnetic
H1034	10"	P20	Electrostatic
H1041	7"	P20	Electrostatic
H1042	7"	P20	Electromagnetic
MEMOTRON TUBE			
6498	5"	P1	Electrostatic
TYPOTRON TUBE			
6577	5"	P1	Electrostatic

10 additional TONOTRON tubes and 4 additional TYPOTRON tubes available.

For full and complete information on how Hughes storage tubes may fill your particular needs and applications, write or wire: HUGHES, Vacuum Tube Products Division, 2020 Short Street, Oceanside, California.

For export information, write: Hughes International, Culver City, California.

Creating a new world with ELECTRONICS

HUGHES

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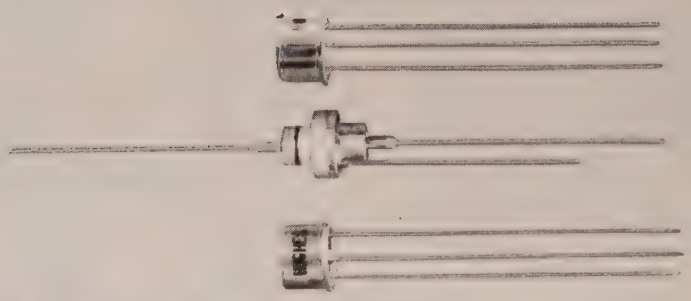
VACUUM TUBE PRODUCTS DIVISION



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for stability, uniformity, and long, long life

Hughes offers you a wide range of high-quality, dependable transistors, readily available from sales outlets all over the country. Included in the Hughes selection is the broadest line of p-n-p silicon transistors available anywhere. They are all precision-made, durable semiconductors, designed to meet your most stringent reliability requirements.

Type
2N327A
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2N329A
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2N1197
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The wide Hughes line gives you the choice of features you demand most. There are transistors for low-level and high-level amplification. There are transistors for high-voltage switching, as well as for medium and fast switching. You can order either the standard T0-5 package or the rugged coaxial package with its superior heat-dissipating properties. You have a wide choice of power ratings from 250mW to 1W. Check the tables shown here for other parameters you may require.

All Hughes transistors are covered by the Hughes warranty of quality and reliability. And, you can get right-now delivery from Hughes sales offices and authorized distributors all over the country. Give them a call today. Or, if you prefer, write Hughes Semiconductor Division, Marketing Department, Newport Beach, California.

For export write: Hughes International, Culver City 5, California

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SEMICONDUCTOR DIVISION
HUGHES AIRCRAFT COMPANY

2,000,000

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For technical assistance and prompt delivery: **Write:** Hughes Semiconductor Division Marketing Department, Newport Beach, California **For export, write:** Hughes International, Culver City, California

Diodes
1N34A
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*Manufacturers of Highest Quality Instruments

ELECTRONIC INSTRUMENTATION FOR INDUSTRY

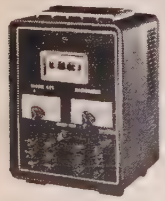
DIGITAL VOLTOHMMETERS

Model 615: Portable model . . . 3 digital instruments in 1 . . . DC volts in 4 ranges from .001 to 999v . . . AC volts in 3 ranges from 1.0 to 999v rms . . . Resistance in 5 ranges from 1 ohm to 9.99 megohms . . . ½ inch digits in line with illuminated decimal point and polarity indicator for fast readout . . . 1% accuracy for DC volts and resistance; 2% for AC volts . . . **$345**

Model 615AR: Rack mounting model . . . Similar to model 615 but with accuracy of 0.5% on DC volts and resistance; 1% on AC volts . . . **$525**

Model 645AR: Rack mounting model . . . Similar to model 615 but with accuracy of 0.1% on DC volts and resistance; 1% on AC volts . . . Third digit wheel divided in tenths for greater resolution . . . **$875**

DIGITAL RATIOMETER



Model 625: Portable model . . . Indicates ratio between two related DC voltages from zero to unity or resistance to 10K ohms . . . Four input channels with channel selector switch . . . Internal or external reference level . . . Accuracy of 0.5% . . . **$345**

DIGITAL COUNTER UNITS

Model 151: Provides three ½ inch digits in line for fast readout of desired information . . . Rugged and reliable digital presentation . . . **$125**

Model 152: Similar to model 151 but with four digits . . . **$210**

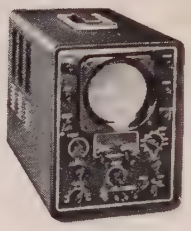
Model 161: Digital counter assembly with decimal light, potentiometer and servo-motor for complete digital presentation . . . From 000 to 999 in less than 5 seconds with average reading time of 2 to 3 seconds . . . 0.5% accuracy . . . **$210**

Model 162: Similar to model 161 but 0.1% accuracy . . . **$275**

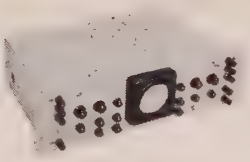
OSCILLOSCOPES

Model 617: Portable 3″ model . . . Vertical amplifier response 6 cps to 4.5 mc within 1 db; sensitivity .01 volts rms per inch . . . Horizontal amplifier response 6 cps to 600 kc within 3 db sensitivity .075 volts rms per inch . . . Sweep ranges 15 cps to 100 kc . . . Internal calibration . . . **$190**

Model 617T: Similar to model 617 but with triggered or recurrent sweep . . . **$225**

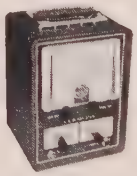


Model 622A: Portable 5″ model . . . Vertical amplifier response 6 cps to 6 mc; sensitivity to 10 mv rms per inch; risetime .06 microsecond . . . Horizontal amplifier response 1.5 cps to 500 kc; sensitivity 75 mv rms per inch . . . Sweep range 10 cps to 300 kc . . . Triggered or recurrent sweep . . . Internal calibration . . . Intensity modulation . . . **$295**



Model 627R: Rack mounting 3″ model . . . Identical horizontal and vertical amplifiers . . . Frequency response DC to 150 kc within 1 db . . . Sensitivity .025 volt p-p per inch . . . Risetime 1.2 microseconds . . . Triggered or recurrent sweep from 2 cps to 30 kc . . . Intensity modulation . . . Internal calibration . . . **$525**

VACUUM TUBE VOLTMETER



Model 614: Portable model with 6½″ meter and 3% accuracy . . . 7 ranges of DC volts, AC volts and resistance . . . DC volts from 0 to 1500 volts . . . AC volts from 0 to 1500 volts rms plus peak-to-peak scales . . . Resistance from 0 to 1000 megohms . . . **$95**

RELAY TESTERS

Model 608: Portable model . . . Tests all DC and AC (60 and 400 cps) relays up to 8 pole double-throw . . . Test information presented on meter and on go-no-go lights . . . Automatic presentation of pull-in and drop-out voltages or currents, pull-in and release times, and coil resistance . . . Variable pulsing rates . . . Provisions for external oscilloscope monitoring . . . **$785**

Model 608R: Rack mounting model . . . Similar to Model 608 . . . **$785**

For more detailed information on any of the items shown, and for the name of the MOLECTRONICS sales representative nearest you, write to:

CUSTOM INSTRUMENTATION

Special models and variations of standard models can be provided to meet your specific requirements. We will appreciate your inquiries.

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this is the DALOHM line . . .

a brief listing of DALOHM Precision Electronic Components

from **DALOHM** *better things in smaller packages*

DALE PRODUCTS, INC.

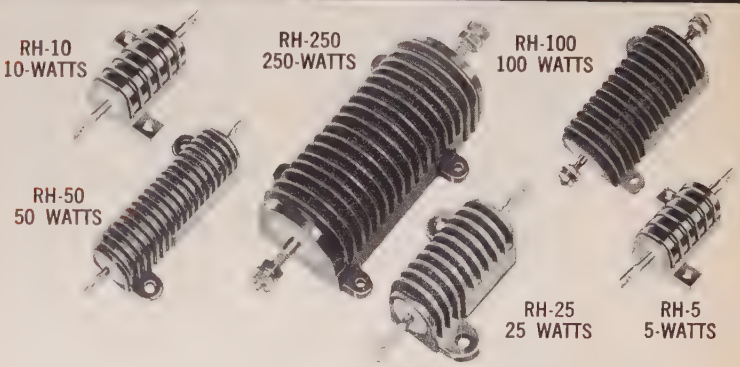
Miniature POWER RESISTORS

PH-100 100-WATTS | PH-25 25-WATTS | PH-10-1 10-WATTS

PH TYPE combines high power rating with precision and sub-miniature design. Completely welded construction from terminal to terminal. Silicone sealed for absolute protection against moisture, shock and salt spray. Ruggedized construction assures dependability under the most extreme conditions. Mounted through hole in panel or heat sink for maximum heat dissipation.

This powerhouse resistor type has standard resistance values from 0.1 ohm to 60K ohms, depending on size and type; tolerance range from ± .05% to ± 3%; three sizes.

Request Bulletin R-36



RH TYPE is designed primarily for applications with high power requirements, coupled with precision tolerance. Mounts on chassis for maximum heat dissipation. Operates under severe environmental conditions. It offers complete protection from salt spray, moisture, vibration and shock. Resistance range: 0.1 ohm to 175K ohms, depending on size and type; tolerance: ± .05% to ± 3%; six sizes.

Request Bulletin R-21

Encapsulated, Bobbin Type, PRECISION WIRE WOUND RESISTORS

DALOHM bobbin type resistors provide long life stability because of novel design, careful workmanship and precise quality control standards.

These resistors are impervious to salt spray, humidity, moisture and corrosive gases and vapors. The encapsulating material used has very high dielectric strength. Dalohm bobbin type resistors have excellent non-inductive characteristics.

Made to surpass requirements of MIL-R-93B. Two types: WW prefix meets requirements of characteristic A; HW prefix meets requirements of characteristic C.

Types **HWA** and **WWA**—axial leads. Types **HWL** and **WWL**—lugs. Types **HWP** and **WWP**—parallel leads. Types **HWR** and **WWR**—radial leads.

RESISTANCE RANGE: 0.1 ohm to 6 megohms depending on size.

TOLERANCE: ± .02%, ± .05%, ± 0.1%, ± 0.25%, ± 0.5%, ± 1% and ± 3%.

RATED AT: .1 watt to 2.5 watts, depending on size, type and tolerance.

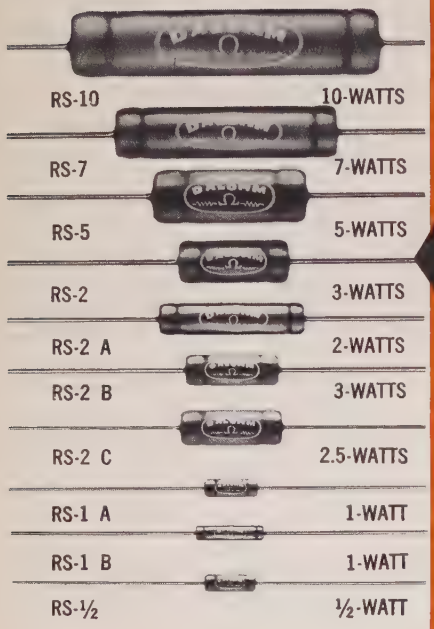
TEMPERATURE COEFFICIENT: 0.00002 per Degree C.

TERMINALS: WWL—tinned brass lugs.
WWA—axial tinned copper leads.
WWP—parallel tinned copper leads.
WWR—radial tinned copper leads.

SIZES: Complete range of sizes from sub-miniature 5/64 x 5/16 inches to ½ x 2 inches, including MIL SPEC RB-09, RB-16, RB-17, RB-18, and RB-19 types.

Request Bulletin R-26

you can depend on DALOHM Wire Wound POWER RESISTORS



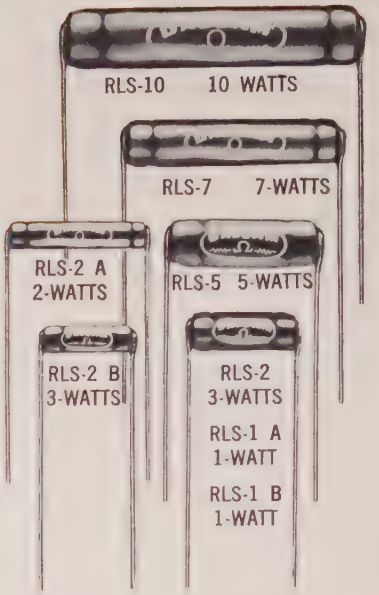
DALOHM wire wound precision power resistors are designed for long life stability, carefully made for critical electronic circuits where space is at a premium.

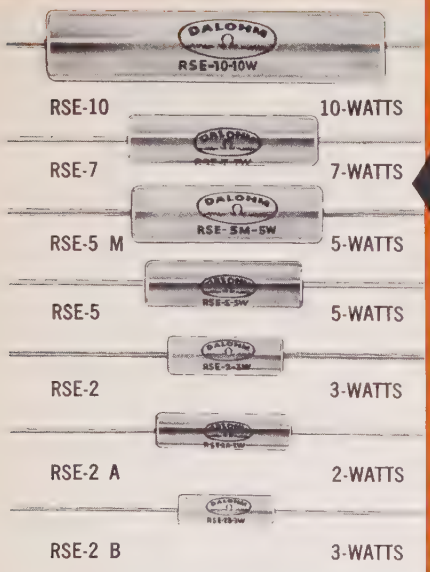
RS TYPE resistors are wound with the best resistance wire on a ceramic spool. Complete welded construction from terminal to terminal. Outstanding multi-layer silicone coating protects resistor, thus giving stable performance under adverse environmental conditions. Eight wattages—½, 1, 2, 2.5, 3, 5, 7 and 10; ten sizes; resistance range from .05 ohm to 175K ohms, depending on size and type; precision tolerance range: ± .05% to ± 3%.

Request Bulletin R-23

RLS TYPE has the same construction as RS TYPE, but with radial leads for printed circuit application. Six wattages—1, 2, 3, 5, 7 and 10; eight sizes; resistance range from .05 ohm to 175K ohms, depending on size and type; precision tolerance range: ± .05% to ± 3%.

Request Bulletin R-30



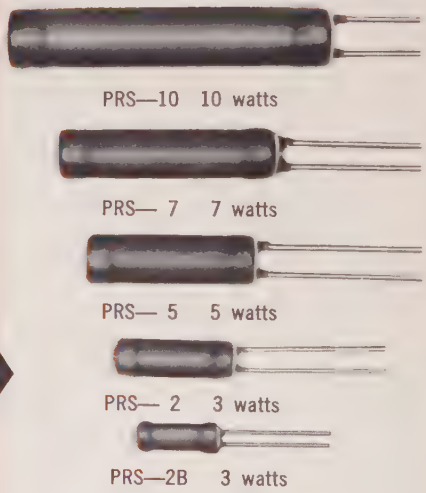


RSE TYPE is a modified RS TYPE encapsulated in shock absorbing material; then encased and sealed in a metal tube. They are suitable for clip mounting for better heat dissipation. This ruggedized resistor will surpass the most severe mechanical shock and vibration requirements. Five wattages—2, 3, 5, 7 and 10; seven sizes; resistance range from .5 ohm to 175K ohms, depending on size and type; precision tolerance range: ± .05% to ± 3%.

Request Bulletin R-25

PRS TYPE resistors are identical to RS TYPE except they are supplied with parallel leads. They are designed to meet precision power requirements in printed circuits, where space is at a premium. Four wattages—3, 5, 7 and 10; five sizes; resistance range from .05 ohm to 175K ohms, depending on size and type; precision tolerance range ± .05% to ± 3%.

Request Bulletin R-49



SPECIAL PROBLEMS?

When your requirements are for special resistance components and networks, please send us an outline of your problems.

Since this company was founded it has been a policy to invite customer's inquiries regarding special problems in resistance and related products.

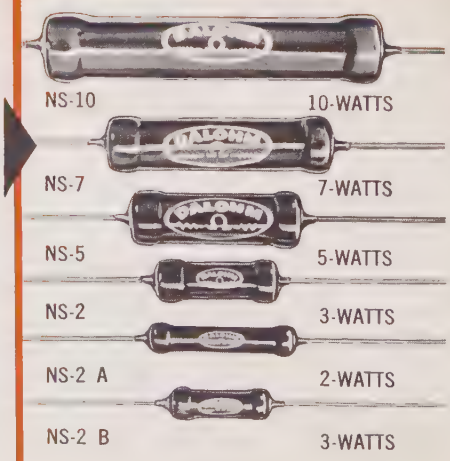
Our standard line can be modified and special resistors can be produced to meet the toughest requirements.

We have produced special tapped resistors, resistors with special terminal configurations and all types of hermetically sealed resistors on special order.

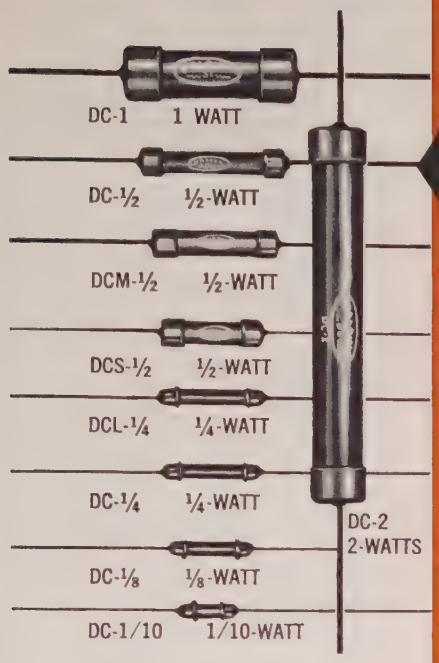
NS TYPE is a wire wound resistor designed to meet non-inductive power requirements in electronic circuits where space is at a premium. Non-inductive characteristics are achieved through new winding technique which provides alternately reversed layers. Five wattages—2, 3, 5, 7 and 10; six sizes; resistance range from 1 ohm to 37K ohms, depending on size and type; precision tolerance range: ± .05% to ± 3%.

NLS TYPE with radial leads for printed circuit applications—available in same sizes, tolerance and values as NS TYPE shown above.

Request Bulletin R-34

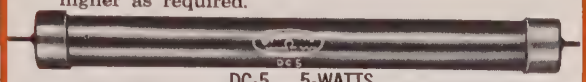


you can depend on DALOHM Deposited Carbon RESISTORS



DALOHM deposited carbon resistors assure stability and accurate, dependable performance in high frequency applications.

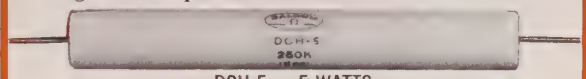
DC TYPE is a low cost miniature resistor designed for good protection from moisture, salt spray and other environmental conditions. Ideal for high frequency applications. Seven wattages —1/10 ⅛, ¼, ½, 1, 2 and 5; ten sizes: resistance range from 10 ohms to 200 megohms, depending on size and type; precision tolerance: ± 1% or higher as required.



DC-5 5-WATTS

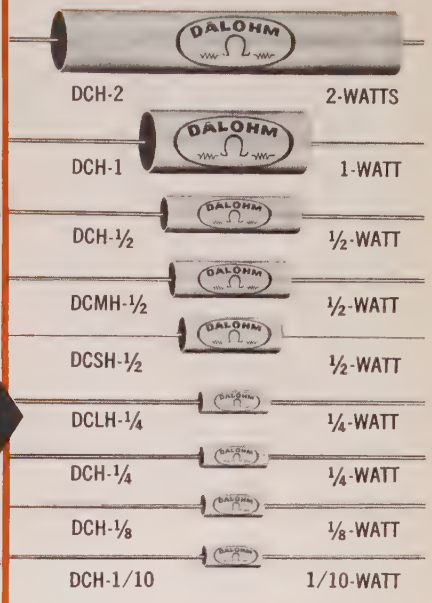
Request Bulletin R-24

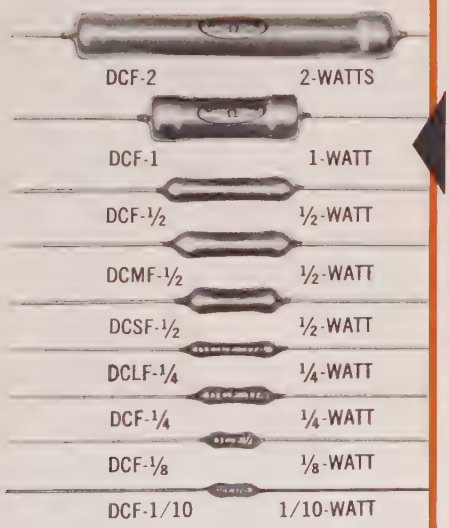
DCH TYPE is a deposited carbon resistor hermetically sealed in a non-hygroscopic ceramic envelope to provide a completely insulated, high temperature resistor with improved electrical characteristics. It has the best stability available in deposited carbon resistors. Seven wattages—1/10, ⅛, ¼, ½, 1, 2 and 5; ten sizes; resistance range from 5 ohms to 150 megohms, depending on size and type; precision tolerance ± 1% or higher as required.



DCH-5 5-WATTS

Request Bulletin R-27



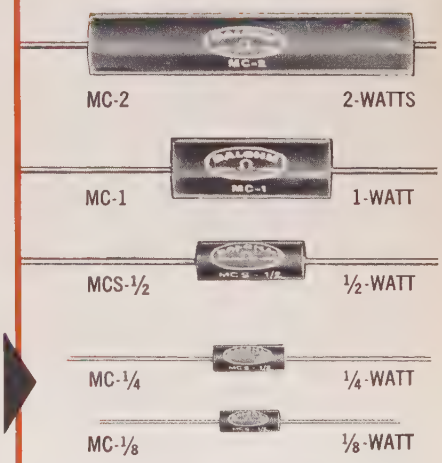


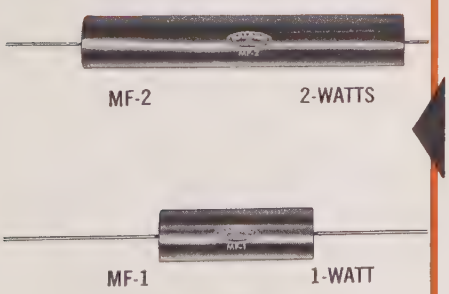
DCF TYPE has a special coating which makes it a completely insulated resistor, yet it retains miniature size. Designed for complete protection from moisture, salt spray and other severe environmental conditions. Assures outstanding stability for carbon film resistors. It has excellent high frequency characteristics. Six wattages—1/10, ⅛, ¼, ½, 1 and 2; nine sizes; resistance range from 10 ohms to 50 megohms, depending on size and type; precision tolerance: ± 1% or higher as required.

Request Bulletin R-42

MC TYPE designed for complete protection from moisture, salt spray and other severe environmental conditions. MC is a deposited carbon resistor completely insulated and protected from environmental or mechanical damage by molded housings. It assures outstanding stability and has excellent high frequency characteristics. Five wattages—⅛, ¼, ½, 1 and 2; five sizes; resistance range from 5 ohms to 50 megohms, depending on size and type; precision tolerance: ± 1% or higher as required.

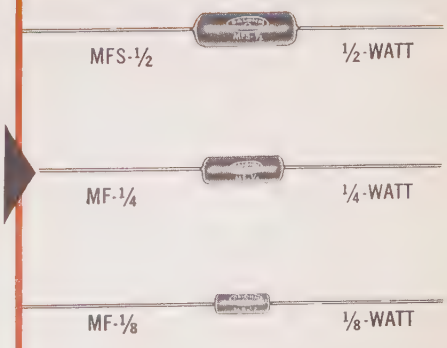
Request Bulletin R-35





MF TYPE is a molded metal film resistor that combines advantages of Dalohm's molding techniques with advanced high vacuum evaporated metal film procedures to provide the best characteristics of wire wound resistors while retaining miniature size. It has inherently good R.F. characteristics, low noise levels, high stability, complete insulation, low and controllable temperture coefficients, and the ability to withstand rigorous environmental conditions. Resistance range from 100 ohms to 4 megohms, depending on size; tolerance ± 1%; five wattages—⅛, ¼, ½, 1 and 2; five sizes.

Request Bulletin R-43



you can depend on DALOHM Wire Wound TRIMMER POTENTIOMETERS

For complete technical data on all Dalohm T-Pots, request Bulletin R-52.

1200 SERIES

900 SERIES

1200 SERIES is a sealed, precision, miniature T-Pot with welded construction throughout; meets requirements of MIL-R-27208 and MIL-R-22097. Rated at 1 watt; resistance range from 10 ohms to 50K ohms; tolerance ±5% standard, special resistance values and/or tolerances available.

Request Bulletin R-51

900 SERIES is a sealed, precision sub-miniature T-Pot with welded construction throughout, meeting requirements of MIL-R-27208 and MIL-R-22097. Rated at 1 watt; resistance range from 10 ohms to 30K ohms; tolerance ±5% standard, special resistance values and/or tolerances available.

Request Bulletin R-50

100 SERIES is a ruggedly constructed T-Pot. Rated at .8 watt; resistance range from 10 ohms to 50K ohms; standard tolerance ±5%. Special resistance values available; also tolerances down to ±1%.

Ask for Bulletin R-32D

200 SERIES is identical to 100 Series with ±10% standard tolerance and resistance range to 100K ohms.

300 SERIES is similar to both the 100 Series and 200 Series T-Pots but with ±15% standard tolerance and resistance range 10 ohms to 20K ohms.

Request Bulletins R-32, R-37 and R-38

100 SERIES

200 SERIES

300 SERIES

600 SERIES

685

600 SERIES is a sub-miniature precision T-Pot with sealed case and welded construction throughout; is resistant to stringent environmental conditions. 600 Series rated at 1 watt; Type 685, panel mounted. Resistance range from 10 ohms to 30K ohms; tolerance ±5% standard.

Request Bulletins R-41, R-47

1500 SERIES is a miniature, precision T-Pot with sealed case and welded construction throughout; is resistant to stringent environmental conditons. 1500 Series rated at 1 watt; Type 1585, panel mounted. Resistance range from 10 ohms to 50K ohms; tolerance ±5% standard.

Request Bulletins R-44, R-46

1500 SERIES

1585

Dalohm SALES REPRESENTATIVES will give special attention to your precision component needs

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NAS-703 **MIL-W-19583**

CERAMIC FILM INSULATED MAGNET WIRE—"CERAMATEMP" A flexible magnet wire for operation at 1000oF. Available in sizes 20 to 36 AWG in single and heavy thicknesses.

TEFLON MAGNET WIRE—"TEMPRITE" Sizes 14 to 50 AWG, single, heavy, triple or quadruple thicknesses, conforming to MIL-W-19583 (NAVY). Heavy triple and quadruple coatings. Available in 8 solid colors to conform with MIL Std. 104.

SPECIAL TEFLON MAGNET WIRE—"TEMPRITE X" Same characteristics and sizes as regular Temprite, but specially processed for severe abrasion applications.

MODIFIED RESIN ENAMEL MAGNET WIRE—"THERMISTER-L" Sizes 14 to 42 AWG inclusive. Used for temperatures from −54°C to +155°C. Available in single or heavy thicknesses. Conforms to MIL-W-19583 (NAVY) except for temperature rating.

MINIATURE EXTRUDED TEFLON HOOK-UP WIRE—"MX AND MXR" Available in sizes 22 to 32 AWG with standard or reinforced conductor. This special 300 volt thin wall insulated wire is a boon to miniaturization.

TEFLON HOOK-UP WIRE—"TEMPRENE" Fused Teflon tape insulation on wire sizes 8 to 32 AWG. Two or three color striped combinations, plus 10 solid colors. Conforms to MIL-W-16878C (E and EE).

TEFLON EXTRUDED HOOK-UP WIRE—"TEMPREX" Sizes 10 to 32 AWG, in both striped and solid colors. Conforms to MIL-W-16878C (E and EE).

SUB-MINIATURE TEFLON LEAD WIRE—"DQT" Solid copper conductors with Teflon film insulation rated at 300 volts. Available in sizes 20 to 32 AWG, and in 8 solid colors.

TEFLON INSULATED LEAD WIRE—"TEMPCLAD" Teflon insulated lead wire with an outer covering of Teflon impregnated glass fiber braid. Sizes 10 to 28 AWG in 8 solid colors.

100X EXTRUDED HOOK-UP WIRES AND JACKETED CABLES To all applicable military specifications. Sizes 4 to 32 AWG.

FLEXIBLE TEFLON TUBING—"TEMPRENE NON-RIGID" Sizes 10 to 26, solid colors and special striped combinations. Also large diameters ⅛" to 1" in 12" lengths.

"HIWRAP" Unfused, fused and bondable Teflon tape.

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SHIELDED AND JACKETED MINIATURE CABLES Consist of Temprene or Temprex Conductors, shielded and jacketed for high temperature operation. Jackets available in fiberglass braids, teflon or silicone saturated, fused teflon tape, or vinyl insulation.

RIBBON CABLE ASSEMBLIES—"TEMPBRAID" 100% Teflon, flexible, flat ribbon multi-conductor cables. Available in from 2 to 30 conductors in sizes 12 to 32 AWG.

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One of the greatest continuing stories in modern industry, the AMP solderless crimp technique each year produces a host of new items and new applications.

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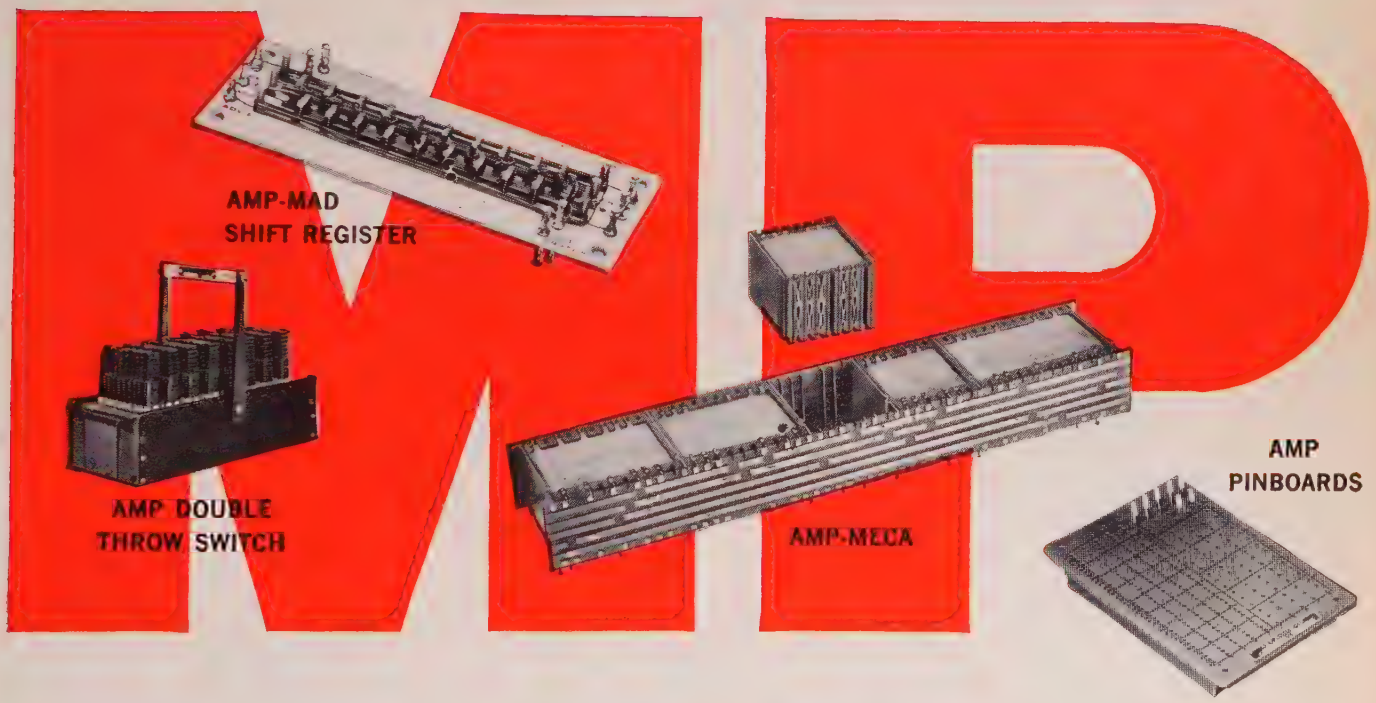
1960 PRODUCT STORY BEING TOLD BY



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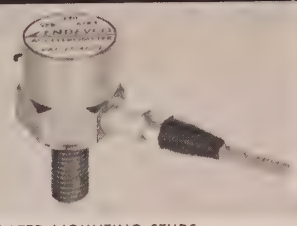
Harrisburg, Pennsylvania

ENDEVCO TRANSDUCERS, AMPLIFIERS AND CATHODE FOLLOWERS

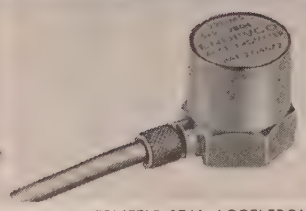
HIGH TEMPERATURE (2200° F)

MODEL 2205 ACCELEROMETER measures vibrations at high temperature (2200° F at base) such as encountered in rocket motors, combustion chambers and turbines. This liquid cooled Endevco transducer will measure acclerations up to 1,000 g and provides large output of 20 mv/g—high first resonant frequency of 20 KC.



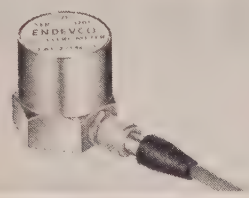
INSULATED MOUNTING STUDS

ENDEVCO Models 2980(10-32/10-32)* and 2983 (10-32/1/4-28)* mounting studs may be used with Endevco series 2200 accelerometers. Constructed of two hardened stainless steel parts bonded together by special process, these studs provide complete electrical isolation from structural ground. They fit all old and new models of Endevco accelerometers.



HERMETIC SEAL ACCELEROMETER

MODEL 2213-M5 ACCELEROMETER is a hermetic-sealed, high output accelerometer that qualifies to Mil-E-5272B. Designed for highly accurate and reliable measurements of vibrations in combined environmental testing or flight systems. Basic design unit is Model 2213, the most widely used general purpose unit of the Endevco Accelerometer line.

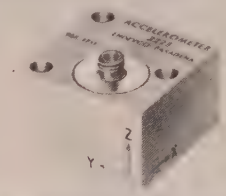


REQUIRES NO ELECTRONICS

MODEL 2215 ACCELEROMETER measures vibration from below 10 cps to above 5 KC **without any** auxiliary equipment except a standard vacuum tube voltmeter, or oscilloscope or a recorder. Extremely high internal capacity of 7000 mmfd means that cables of 100 feet and over have minimum effect on sensitivities. This accelerometer's high capacity virtually eliminates any cable noise problem so that very low g levels can be accurately resolved.

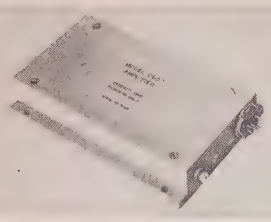
HIGH TEMPERATURE ACCELEROMETER—500° F

MODEL 2242 ACCELEROMETER measures vibration and shock at 500° F without cooling or correction with a sensitivity change of less than 5%. The wide temperature range of —200° F to +500° F and stability of the Model 2242 is made possible by Endevco's unique Piezite® Element Type II. You can place the Endevco Model 2615 Cathode Follower right alongside the Model 2242 Accelerometer in —65° F to +500° F ambient temperatures; thus, no loss of signal that would otherwise result from long cables running out of the high temperature area to distant units.



TRI-AXIAL SUBMINIATURE ACCELEROMETER

MODEL 2223 ACCELEROMETER is designed for those applications requiring tri-axial measurements in limited space; such as, "in-flight" environments. Three exclusive Endevco Piezite® Type I Sensing Elements are mounted in mutually perpendicular planes within a ⅝ cubic inch block weighing 1.4 ounces. 100% quality control and proven calibration procedures insure maximum reliability and accuracy from the Model 2223. Electrical isolation prevents ground-loops so often encountered in flight applications.



AIRBORNE A.C. AMPLIFIERS

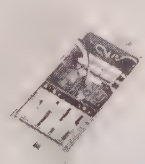
MODELS 2607 and 2617 AMPLIFIERS are designed to provide amplification with high input impedance for piezoelectric devices. The output levels and low output impedances are suitable for use with telemetering and other electronic indicating equipment systems. Small size is ideal for mounting the amplifiers close to instruments in missile or test applications. Model 2617 is electrically isolated from ground. Single point grounding is obtained with Endevco 2980 and 2983 Insulated Mounting Studs.

TRANSISTORIZED CHARGE AMPLIFIER

MODEL 2620* AMPLIFIER is all-transistorized and operates on an entirely new principle. It amplifies the charge developed by a piezoelectric transducer. Amplifier to transducer cable length can be varied (up to 300 ft. max.) without changing system calibration. This amplifier operates at an input impedance of 200,000 ohms. Leakage paths caused by humidity will have no effect on performance if above 7.5 megohms. This amplifier represents the first advance in "the state of the art" in a decade. Unit is completely sealed and qualifies to severe environmental specifications.

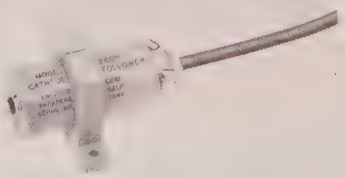
HIGH IMPEDANCE LABORATORY AMPLIFIER

MODEL 2616 AMPLIFIER extends flat low frequency response of Endevco Piezoelectric pickups down to 2 cps with 1,000 megohms input impedance. This amplifier standardizes Endevco pickups to any desired sensitivity such as 10.0 mv/g with a 3 decade shunt capacitor in 10 mmfd steps to 9990 mmfd. It is also used to attenuate large shock, pressure or force signals. Provided in modular construction for one, two or three channels in 5½" rack panel. Use Endevco Model 2622 Power Supply for maximum signal to noise ratios.



LABORATORY A.C. INPUT AMPLIFIER

MODEL 2614 AMPLIFIER has the greatest versatility of all Endevco amplifiers in shock and vibration work. It provides a very high input resistance of 1,000 megohms and gains of 1, 3 and 10 into an output load of 2500 ohms or more. The high input impedance of 1,000 megohms (with or without DC isolation) is ideal for extending the low frequency response of Endevco Piezoelectric gages. A 3 decade switch is provided on the input to allow transducer standardization by shunt capacity across the input.



CATHODE FOLLOWER

MODEL 2608 CATHODE FOLLOWER provides for impedance change from 100 megohms to 500 K Ohm load with flat frequency response from 5 cps to 20 KC. Compact (2 cubic inches) and shock resistant (200 microvolts/g) construction. Model 2608 operates in temperature range of —20° F to +170° F. Model 2615 cathode follower operates in temperature range: —65° F to +500° F, an ideal combination for Model 2242 accelerometer.

LABORATORY POWER SUPPLY

MODEL 2621 POWER SUPPLY operates from 105 to 125 volts, 50 to 400 cycles AC and provides regulated, well-filtered DC filament and plate supply for all Endevco Amplifiers. Available in rack mounted version as the Endevco Model 2622. Case provides ample space for storage of Endevco amplifiers, transducers and accessory cables.

*REG. U.S. PAT. OFFICE TWX 7764: CABLE ENDEVCO

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ALL SIZES FROM 0000 THROUGH 32 AWG
EXTREME RANGE OF OPERATING TEMPERATURES
• TO MILITARY SPECIFICATIONS • TO YOUR SPECIFICATIONS

▲ ADVANCED CONDUCTOR MATERIAL

Minimum Values: Conductivity, 80%; Tensile Strength, 55,000; Elongation, 8%; Yield Strength, 50,000; Exceptional Flex Life. AWG 16 thru 38, stranded or solid, bare wire, tin-plated, silver-plated, nickel-plated, silver-nickel plated.

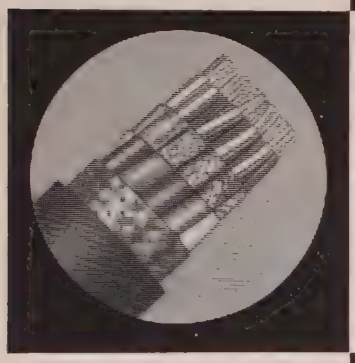
◀ TEFLON* HOOK-UP WIRE

For Continuous Operation from −90°C to +260°C
NEW MIL-W-27300 (USAF)
Types E & EE to MIL-W-16878C
NAS 703
UL APPROVED

◀ HOOK-UP WIRE

Kel-F** to MIL-W-12349
- Silicone • Vinyl
- Polyethylene
- Irradiated Polyethylene

MIL-W-16878C, MIL-W-76A



◀ MULTI-CONDUCTOR CABLES

Teflon*, Kel-F**, Vinyl, Nylon, Polyethylene, Silicone Rubber, Neoprene, Irradiated Polyethylene. Made to your requirements as to size, type and number of conductors, insulation, shielding, braiding, jacketing.
Also to MIL-W-13777B

◀ MOLDED CABLE ASSEMBLIES

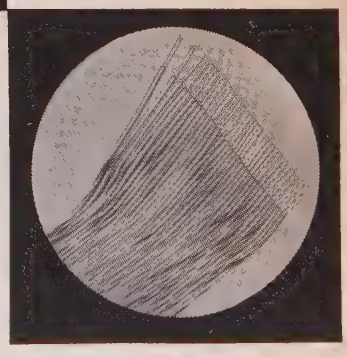
- Vinyl • Neoprene
- Polyurethane

Single or multi-circuit, optional molded jacket supports and built-in strain relief members. To applicable Mil Specs or your own requirements.
- Harness Constructions

COAXIAL CABLES ▶

RG/Series to MIL-C-17C
Special Designs for Specific Applications
MINIATURE COAXIAL CABLES to MIL-C-8721

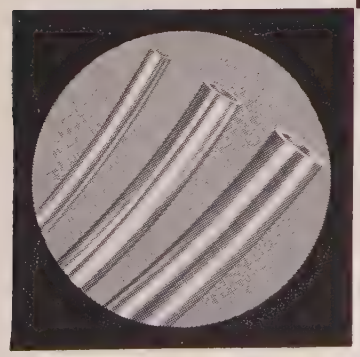
- AIRCRAFT WIRE to MIL-W-5086A, MIL-C-7078A, MIL-W-7072A, MIL-W-5274A
- HIGH TEMPERATURE AIRCRAFT WIRE to MIL-W-8777A, MIL-W-7139A
- MINIATURE WIRE AND CABLE
- UL and CSA APPLIANCE WIRE
- MEDICAL TUBING
- BONDABLE TEFLON*
- TEFLON* TAPE
- "SPIRALON" COLOR CODING



Multi-Conductor
▲ FUSED RIBBON CABLE

- Teflon* • Vinyl
- Polyethylene
- Irradiated Polyethylene

Bulk cable or precision cut and stripped. Break-outs and terminations as required. Single or multi-deck lengths in a wide range of sizes. Color coding available.



◀ TUBING

Teflon*, Vinyl, Polyethylene, Nylon, Irradiated Polyethylene
Clear or solid colors. In-stock service on standard compounds in regular sizes, .0159" to 2" I.D. Special formulations per your specifications.
- HEAT SHRINKABLE INSULATING TUBING

*Reg. Du Pont Trademark
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FOUR STAR QUALITY

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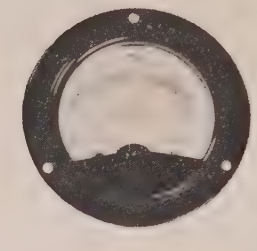
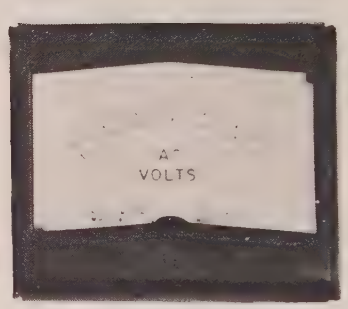




★ **RUGGED CONSTRUCTION THROUGHOUT**

★ **UNITIZED FRAME STRUCTURE**

★ **PRECISION MACHINED POLES AND FRAMES**

★ **EXTRA HIGH TORQUE MOVEMENT**

In addition to "4 Star" Features General Meters include: **⅛ inch antistatic glass windows, alnico 5 magnets, high strength coil bobbins, tubular aluminum alloy pointers. 3 point magnet supports, ¼% linearity, 1% accuracy if requested, 2% standard.**

General Meters produces custom meters to order as well as stock instruments. The photographs shown above are representative of our styling which covers meters in the 2½" round, square, hermetically sealed and ruggedized; 3½" round, square, hermetically sealed and ruggedized; 4¼" rectangular, 4¼" picture window, 4⅝" rectangular and 4⅝" picture window.

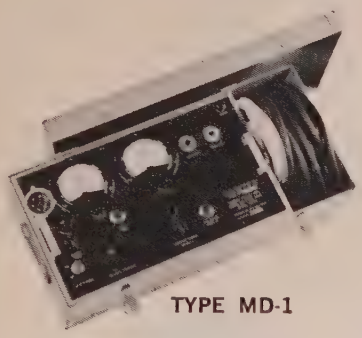
EAST COAST REPRESENTATIVE:
JOSEPH HELLER & ASSOC.
139-30 34th ROAD
FLUSHING, N. Y.

WEST COAST REPRESENTATIVE:
BRENNER-FIEDLER & ASSOC.
7563 MELROSE AVENUE
LOS ANGELES 43, CALIF.

General METERS, INC.

P. O. BOX 1701 • GRAND JUNCTION, COLORADO

INSULATION TEST SET



TYPE MD-1

- ★ CHECKS RESISTANCE AND BREAKDOWN OF INSULATING MATERIAL
- ★ DOES NOT AFFECT MATERIAL
- ★ OPERATES FROM EITHER 110 VOLTS 60 CYCLE ALTERNATING CURRENT OR NOMINALLY 24 VOLT DIRECT CURRENT
- ★ OUTPUT CURRENT RANGE 0 TO 100 AND 0 TO 500 MICROAMPERES WITH INTERNAL LIMIT TO 2 MILLIAMPERES
- ★ OUTPUT VOLTAGE RANGE 1.5KV AND 15KV, EACH CONTINUOUSLY VARIABLE FROM ZERO TO FULL VALUE
- ★ PORTABLE
- ★ MANUFACTURED TO MIL-T-4791A

For Details and Prices Write

General METERS, INC.

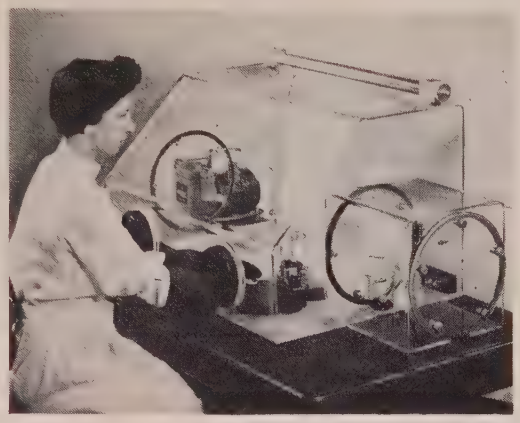
P.O. Box 1701

Grand Junction, Colo.

for complete HUMIDITY and DUST control . . .

HYDROVOID*

ATMOSPHERE CONTROL SYSTEM



The Air-Shields HYDROVOID SYSTEM allows semiconductors and other critical items to be handled readily in dust free, humidity-free air, or in the presence of insert gases if desired. It removes dust down to 0.5 micron diameters. Heart of the HYDROVOID SYSTEM is an efficient desiccant system driven by a continuous-duty, non-contaminating, diaphragm-type recirculator. Moisture and dust sensitive components may be handled in the HYDROVOID with complete safety, full 360° visibility, and unimpeded movement with a variety of sleeves or gloves. An air lock allows convenient, in-use access. The removable end panel makes for very easy loading. Overall dimensions: 19¾"h x 46"w x 24"d.

For Ultra-Violet Shielding use Amber HYDROVOID Cabinets. Constructed of "transparent amber Plexiglass" these special units eliminate light transmittal in the ultra-violet region below 500 millimicrons. Slight additional cost.

MICROVOID* DUST HOOD

For operations where humidity control presents no problem the Air-Shields MICROVOID provides an economical "shield" against possible airborne contamination. Rigidly constructed of optically clear, ¼" Plexiglass, the MICROVOID Dust Hood allows undistorted, 360° visibility. A steady flow of micro-filtered air prevents outside air from entering the open front of the hood. Micro-filter removes particles down to 0.5 micron diameters. Overall dimensions: 29¼"h x 34"w x 24"d.

CUSTOM ENCLOSURES—MICROVOID and **HYDROVOID** cabinets also available in custom shapes and sizes, stainless steel, other materials and custom finishes. Special entry, tool and instrument ports available.

** Trademarks*

AIR-SHIELDS, INC.

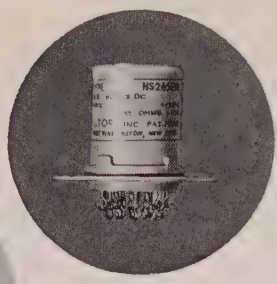
INDUSTRIAL DIVISION
HATBORO, PA.
OSborne 5-5200

REPRESENTATIVES New England Area: Drew Associates, Inc., 56 The Great Road, Bedford, Mass. **Metropolitan N. Y. & L. I.,** Joseph Sprung Associates, 254 W. 31st St., New York, N. Y. **Chicago & Northern Illinois:** John G. Twist Co., 5232 W. Diversey Ave., Chicago 39, Ill. **Northeastern Central:** Robert O. Whitesell & Assoc., 6620 E. Washington St., Indianapolis 19, Ind. **Midwest:** McDowell-Redlingshafer Sales Co., 1103 Armour St., Kansas City 6, Mo. **Minnesota & Wisconsin:** Grant Sales Co., 1415 S. 2nd St., Minneapolis 4, Minn. **Mid-Atlantic:** Albert K. de Sherbinin, 824 Mt. Pleasant Road, Bryn Mawr, Pa.

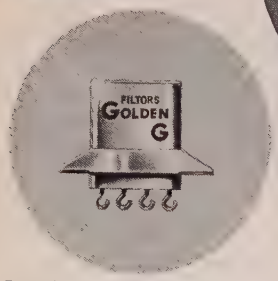
FILTORS, INC.

LEADING MANUFACTURERS OF HERMETICALLY SEALED ROTARY MICRO AND SUB-MINIATURE RELAYS

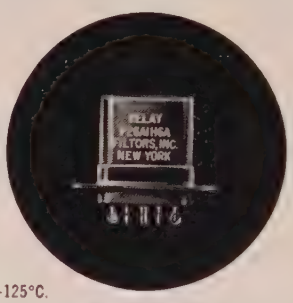
NEW!
Filtors is first with a crystal can relay for AC operation! The new Powrmite® micro-miniature relay for AC operation is the smallest, lightest AC relay made today.



NEW!
Filtors is first with relays with a built-in arc suppressed coil. In the same micro-miniature size Filtors' Powrmite is also made with a built-in arc-suppressed coil to cut radio interference a minimum of ten to one. Available also in four and six-pole sub-miniature relays. Filtors arc suppressed relays increase life and reliability of associated circuitry.



The First Premium Quality Micro-Miniature Relay
FILTORS' NEW GOLDEN G
50 G's Vibration/250 G's Shock



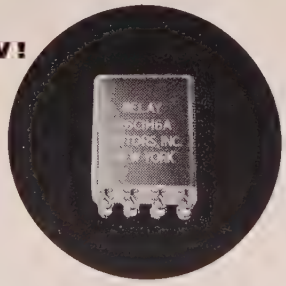
POWRMITE®

new MICRO MINIATURE relay by Filtors, leading specialists in development and manufacture of micro miniature relays.

SPECIFICATIONS:

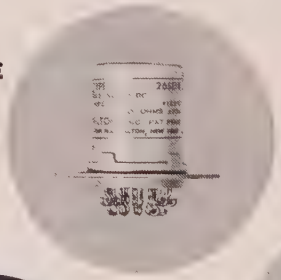
AMBIENT TEMPERATURE RANGE	—65°C. TO +125°C.
DIELECTRIC STRENGTH	1000 VOLTS (750 VOLTS BETWEEN OPEN CONTACTS).
INSULATION RESISTANCE	10,000 MEGOHMS MINIMUM AT 25°C.
CONTACT ARRANGEMENT	2C (2 POLE DOUBLE THROW).
CONTACT RATING	2 AMPS RESISTIVE AT 28 VOLTS DC OR DRY CIRCUITS.
SHOCK	100 Gs 11 MILLISECONDS.
VIBRATION	10—55 CPS AT .06 AMPLITUDE. 55—2000 CPS AT 30 G.
PICK-UP TIME	5 MILLISECONDS MAXIMUM AT NOMINAL COIL VOLTAGE, 25°C. TEMPERATURE.
RELEASE TIME	5 MILLISECONDS MAXIMUM.
NOMINAL COIL VOLTAGE	26.5 VOLTS DC.
COIL RESISTANCE	550 OHMS ± 10% AT 25°C.
ALTITUDE	70,000 FEET
DUTY	CONTINUOUS.
PICK-UP	RELAY SHALL PICK-UP WHEN COIL VOLTAGE IS 18 VOLTS DC MAX.

NEW!
All types of Filtors Powrmite micro-miniature relays are now available in .2 grid space in all mounting styles; .2 grid space relays feature Filtors' new "Sensi-Tork" motor, a Filtors development for greatest reliability and sensitivity.



GENERAL PURPOSE

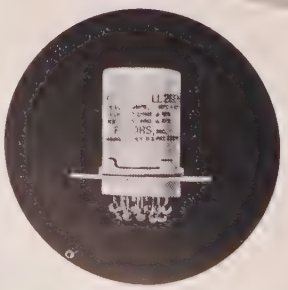
precision manufactured under rigid quality control. Offers lightweight, rugged, compact construction for high environmental conditions. Applicable to instrument, geophysical, aircraft controls and many other circuits where high reliability and multiple switching are required. Available in 2 DPDT, 4 DPDT and 6 DPDT.

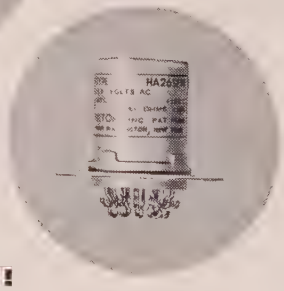


LATCHING

relay remains in "energized" position indefinitely without consuming power. As an overload relay it can be electrically reset from a remote position. Contacts can be closed by one circuit and opened by another. It has many applications in fail-safe circuits. Its small size, light weight and hermetically sealed enclosure make possible its use in airborne and other equipment. Either coil may be energized continuously without damage to the relay.

It affords the designer great latitude in circuitry, particularly in "lock-up" circuits, e.g., where the contacts of one conventional relay are used to lock-up the coil of another relay. Thus it avoids redundancy. Available in 2 DPDT, 4 DPDT and 6 DPDT.





NEW!
Filtors now manufactures the smallest, lightest four and six-pole sub-miniature relays for AC operation.

FILTORS INC.

write for catalog

MAIN OFFICE AND PLANT: PORT WASHINGTON, N.Y., PORT WASHINGTON 7-8220
CANADA: FILTORS DIVISION: MARSLAND ENGINEERING CO., 154 VICTORIA ST., KITCHENER, ONT., PHONE: SHERWOOD 5-9486

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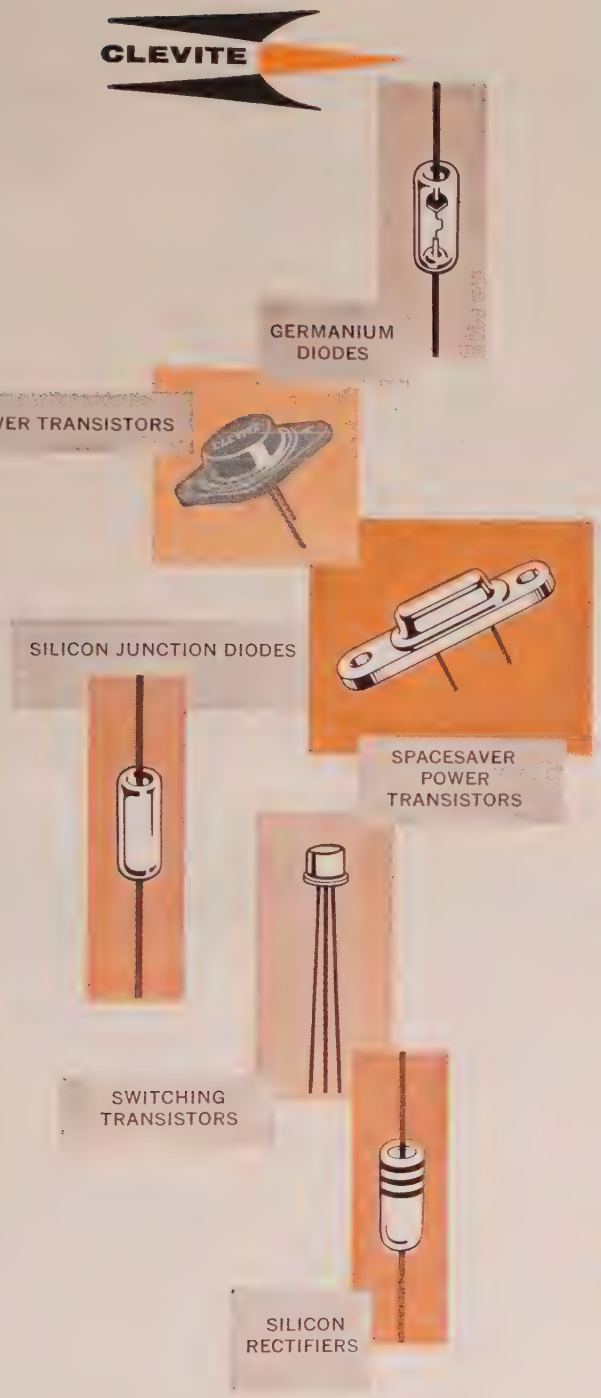
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

DIODES • RECTIFIERS • TRANSISTORS



Reliability in volume . . .

CLEVITE TRANSISTOR

WALTHAM, MASS. TWinbrook 4-9330

SUBMINIATURE GLASS DIODES

Germanium Gold Bonded in these types:

• COMPUTER • HIGH RESISTANCE

• HIGH CONDUCTANCE • GENERAL PURPOSE

• MILITARY TYPES:

1N128	1N270	1N277
1N198	1N276	1N281

Basic features include high forward conductance . . . recovery times in millimicroseconds . . . high inverse resistance . . . ruggedized mechanical construction . . . exceptional uniformity of characteristics.

Silicon Junction in the following types:

• FAST SWITCHING (0.15 to 1.0μ Sec)

• GENERAL PURPOSE • MILITARY TYPES:

1N457	1N459	1N662
1N458	1N643	1N663
	1N658	

Designed to meet the most stringent commercial and military requirements, these diodes combine fast switching with high forward conductance, while protecting against thermal runaway at high voltages and temperatures up to 150°C.

POWER TRANSISTORS

Germanium in the following types:

• SWITCHING 5 – 15 – 25 amperes

plus 3 ampere Spacesaver design

• AMPLIFIER 2 – 4 watts

plus 2 watt Spacesaver design

• MILITARY TYPES:

2N297A 2N1011 2N1120

Excellent for applications involving power converters, audio amplifiers, voltage regulated power supplies and high current switching circuits.

Features include low thermal resistance low base input voltage, low saturation voltage and superior current gain.

The 25 ampere series offers low saturation voltage and is available with either pin type or solder lug terminals.

The Spacesaver design not only offers smaller size and lower mass but better frequency response and faster switching characteristics.

PNP GERMANIUM SWITCHING TRANSISTORS

These Clevite switching transistors are made to highest quality standards for maximum reliability in low level high speed service, available in the following types:

2N395 2N396 2N397 2N404

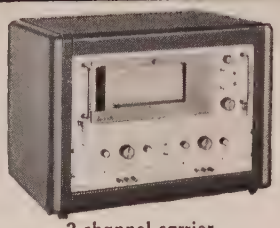
DIFFUSED SILICON JUNCTION RECTIFIERS

Designed for maximum reliability under the most severe military and commercial applications, Clevite rectifiers offer these advantages: High dissipation — 600 mw — High voltage — up to 600 volts — High temperature — up to 150 ma at 150°C.

Write for latest data and prices

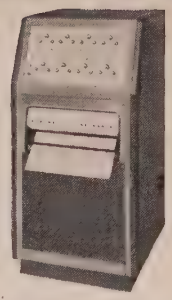
brush ULTRALINEAR RECORDING SYSTEMS

Whatever you want to measure, only Brush gives you freedom of choice: ink, electric or thermal writing—curvilinear or rectilinear trace presentation—configuration. Available in 2, 4, 6 or 8 channels.



2 channel carrier multi-purpose, accepts either resistive or inductive inputs.

6 channel high gain records signals as low as 10 microvolts.



8 channel medium gain wide input range, 10 millivolts to 400v.

Select your OSCILLOGRAPHS

Frequency response . . . D.C. to 100 cps with Brush amplifiers.

Writing methods . . . . Ink, electric curvilinear, or thermal rectilinear.

Chart speeds . . . . . Instantaneous electric selection of up to 16 speeds, remote or on-the-spot control.

Chart take-up . . . . . External or internal, easy loading.

Mounting . . . . . Rack-mounted, cart-mounted, portable and bench-top models.

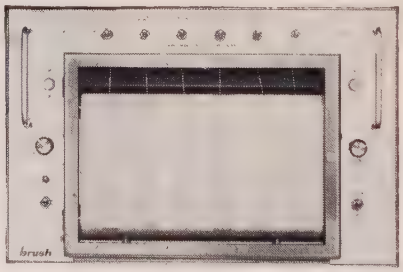
Reliability . . . . . Readily adaptable to MIL specifications.

ENCLOSURES	CHANNELS	WRITING METHOD & WRITING PLANE	MODEL NO.
PORTABLES	2	ink, horizontal	RD 2321 00
	2	ink-electric, horizontal	RD 2322 00
	4	ink, horizontal	RD 2341 00
	4	ink-electric, horizontal	RD 2342 00
	6	ink, horizontal	RD 2361 00
	6	ink-electric, horizontal	RD 2362 00
RACK, CONSOLE CABINET OR CART MOUNTED	2	ink-electric, vertical	RD 2622 00
	2	ink-electric, horizontal	RD 2722 00
	4	ink, vertical	RD 2641 00
	4	ink-electric, vertical	RD 2642 00
	4	thermal, vertical	RD 2644 00
	6	ink, vertical	RD 2661 00
	6	ink-electric, vertical	RD 2662 00
	6	thermal, vertical	RD 2664 00
	6	thermal, horizontal	RD 2664 50
	8	ink-electric, vertical	RD 2682 00
	8	thermal, horizontal	RD 2684 50

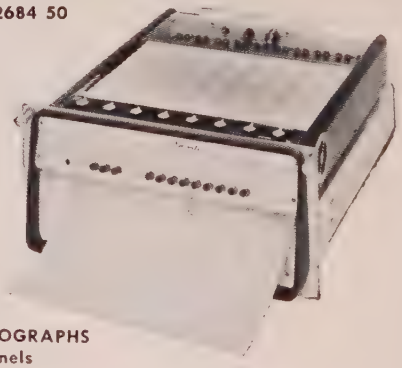
RD 2322 00

PORTABLE OSCILLOGRAPHS in 2, 4 and 6 channels

RD 2662 00

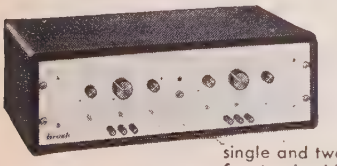


RD 2684 50

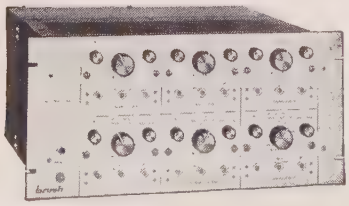


RACK MOUNTING OSCILLOGRAPHS in 2, 4, 6 and 8 channels

Select your AMPLIFIERS



single and two channel configuration for standard 19″ rack mounting.



six and eight channel configuration for standard 19″ rack.

	SINGLE CHANNEL
UNIVERSAL Model RD 5612 00	multi-purpose carrier type for wide range of measurements. Input box RA 5212 00 for resistive transducers, RA 5222 00 for LVDT's.
HIGH GAIN D.C. Model RD 5615 00	chopper stabilized, amplifies signals as low as 100 microvolts.
SERVO ANALYZER Model RD 5616 00	monitors any servo system in carrier frequency range of 50 to 10,000 cps.

MEDIUM GAIN — TWO CHANNEL

Model No.	Sensitivity	Drift	Power Line Frequency
RD 5621 00	10 mv/line (mm)	less than ½ line (mm) per hr., 1 line 8 hrs.	60 cps, ± ½ cps
RD 5621 01	10 mv/line (mm)	less than ½ line (mm) per hr., 1 line 8 hrs.	50-2000 cps
RD 5621 02	50 mv/line (mm)	less than 1/10 line (mm) per hr., ¼ line 8 hrs.	50-2000 cps

MEDIUM GAIN — SIX AND EIGHT CHANNEL

Basic Pen Drive Amplifier System Model RA 5680 00 includes chassis and separate electronic regulated power supply with capacity to operate up to 8 plug-in pen drive amplifiers.

Plug-in Model RD 5211 03	sensitivity 10 mv/line (mm), less than ½ line (mm) per hr. drift, 1 line 8 hrs., power req. 50-2000 cps.
Plug-in Model RD 5211 04	sensitivity 50 mv/line (mm), less than 1/10 line (mm) per hr. drift, ¼ line 8 hrs., power req. 50-2000 cps.

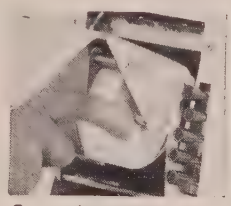
brush ULTRALINEAR RECORDING SYSTEMS

MARK II RECORDER

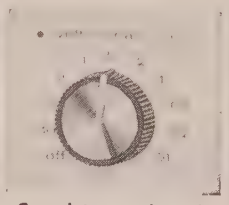
Completely self-contained recorder, plugs in anywhere for easy recording of electrical and physical phenomena, d.c. to 100 cps . . . in research . . . design and development . . . production . . . servicing . . . field test and installation.

RD 2521 00

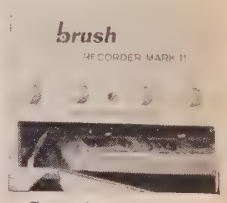
Sensitivity	10 mv/line (mm). Full scale deflection from chart center ± 200 mv.
Measurement range	.010v. to 400v.
Input impedance	5 megohm single-ended, 10 megohm balanced.
Event channels	2, 12v. internal power source actuated by external signal.
Chart speeds	1, 5, 25, 125 mm/sec.
Power requirements	105-125v., 60 cps, 135 watts at 115v.
Net weight	32 pounds.



Convenient operation: fast paper loading without threading, pushbutton controls for 4 chart speeds.



Complete recorder with built-in, permanently calibrated amplifiers.



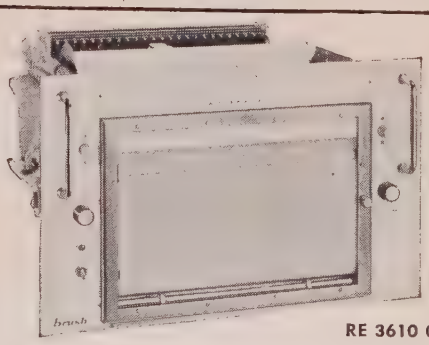
Trouble-free writing system features self-cleaning, self-priming, rugged pens, extra-large ink reservoir.

OPERATIONS MONITOR

Simplifies complex checkouts . . . monitors 100 channels of data simultaneously.

Simultaneously records 100 channels of sequential or operational information. On-off input data presented provides a record of events, their duration, and their time relationship to each other. Electric writing styli record in less than one millisecond after receiving a signal—handle up to 500 signal changes per second. Remote or on-site chart speed control.

Available in two models, the RE 3610 00 or: Military Model RE 3610 02 which fully complies with MIL-E-4158 A.

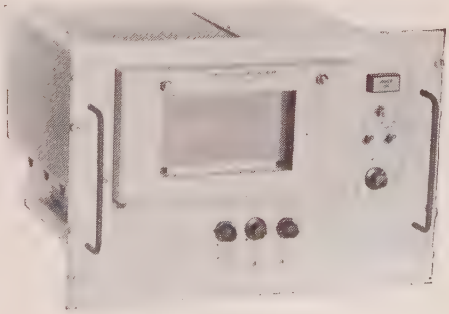


RE 3610 00

Writing method	Electric—instantaneous, dry and permanent.
Capacity	100 easy-to-identify channels. Records on preprinted chart paper, 12″ wide, 500′ long.
Chart speeds	Instantaneous electric selection of 8 chart speeds, on-site or remote control.
Chart take-up	Provision for both internal chart take-up of entire roll, or external feed.
Mounting	Mounts in standard 19″ rack.

MILITARIZED
RECORDING SYSTEMS

Fully militarized versions of all equipment are available. Illustrated is the combination Analog and Operations Recorder providing simultaneous analog recording (D. C. to 100 cps) and ten "go and no go" sequential channels. Recording system is complete with oscillograph, amplifier and power supply. Equipment designed to comply with Mil. E-1640 Mil. E-4158, E-4970 and other pertinent specifications as required by user.



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Factory branches, service and warehousing at Arlington, Va., Boston, Cleveland, Los Angeles, San Francisco and Seattle; engineering representatives in all key locations.

brush INSTRUMENTS
DIVISION OF
37th and PERKINS CLEVITE CORPORATION CLEVELAND 14, OHIO

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

CLEVITE ELECTRONIC COMPONENTS

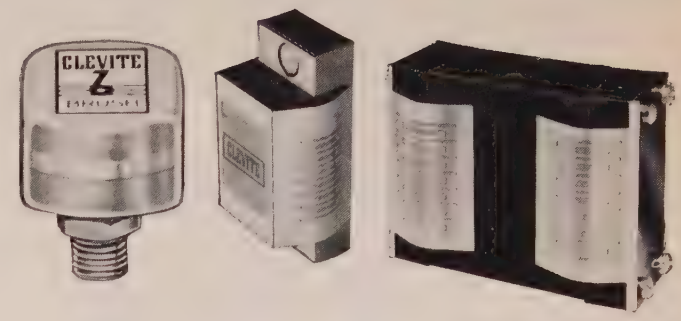
MAGNETIC HEADS

MULTICHANNEL

Precision multichannel magnetic tape and drum recording heads for analog and digital computer and instrumentation equipment. Inline, Integral-Interlace, "Gap-Mounted"* and Redundant designs; optional tape formats and electrical characteristics for transistor and vacuum tube circuitry. Custom designs.

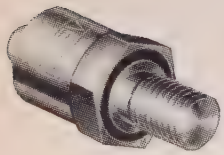
AUDIO

Full and half track laminated-core professional recording heads, monaural and stereo; special designs for filmtrack, dictation equipment and others.



PIEZOELECTRIC TRANSDUCER ELEMENTS

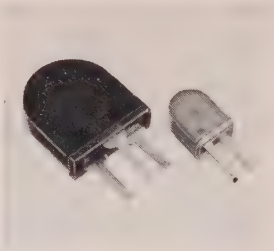
Discs, cylinders, plates, "Bimorphs", "Multimorphs" and special shapes of Rochelle Salt, ADP, Lithium Sulfate, Ceramic "B" (stabilized barium titanate), "PZT"* (modified lead zirconate-titanate), for underwater and industrial ultrasonic transducers and phonograph pickup cartridges. "PZT" Curie Temperature >300°C.



ACCELEROMETERS

500°F operation
3% Side Sensitivity
1600 mmfd Internal Capacity
50Kc 1st Resonance

Piezoelectric self-generating accelerometers for vibration sensing in missile, aircraft and general industrial testing. Standard sizes 5 mv/g, 10 mv/g, 20 mv/g. Optional: side connected, tri-axial, miniature, hermetically sealed-on cable.

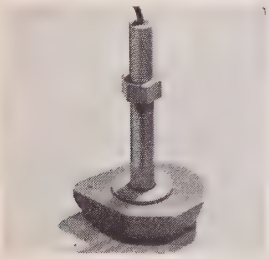


TRANSFILTERS*

Miniature i-f Bandpass Filters for Transistor Radio Receivers

Interstage Coupler (TO) and Emitter Bypass (TF) ceramic "Transfilters" improve i-f selectivity; require no alignment; resonant frequency is stable within 0.2% for ten years and ±0.1% from −20°C to + 60°C. Inexpensive and compatible with automatic assembly techniques.

DEPTH SOUNDER TRANSDUCERS



DS-1

Used with small boat depth sounder, the DS-1 radiates ultrasonic energy in an optimized, conical-shaped pattern, suitable for a wide range of craft load conditions. Receiving sensitivity −85db vs. 1 volt/microbar, transmitting sensitivity + 90db vs. 1 microbar/yard/watt; beam width 16° at 10db down, frequency 195Kc ± 10Kc, capacity 2300 mmfd.

"BRUSH"* CRYSTAL HEADPHONES

High Fidelity Model BA-220

Single and double headphones, monaural and binaural, with high impedance crystal "Bimorph" drive. Wide range response with uniform output, rugged, shockproof. Extended range, high fidelity and general purpose models. Recommended for use in language training equipment, laboratory, broadcast studio, ham radio. Ideal for multiple unit installation.

*Registered Trade Mark

for complete information write

CLEVITE ELECTRONIC COMPONENTS

DIVISION OF CLEVITE CORPORATION

3405 Perkins Avenue **Cleveland 14, Ohio**

ROTARY RELAYS by Couch

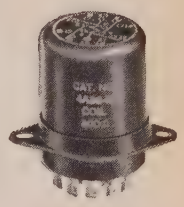
EXCEPTIONAL RELIABILITY WHERE THE ENVIRONMENT IS EXTREME

SUB-MINIATURE ROTARY RELAYS

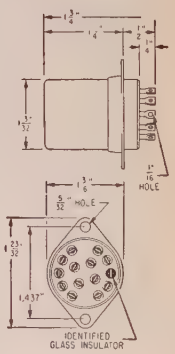
STANDARD 26.5 VDC RELAYS

Catalog Number	Number Form C Contacts	Contact Rating 100,000 Operations	Coil Resistance ±10% @ 25°C	Maximum Pull-In Current	Nominal Operating Value	Notes
			Ohms	MA.	Volts	
2A37-B	2	3 AMPS 30VDC	475	27	26.5	Dry Ckt. Capability
4A36-B	4	3 AMPS 30VDC	300	41	26.5	Dry Ckt. Capability
4C36-B	4	5 AMPS 30VDC	300	41	26.5	Heavy Duty
2B36-B	2	10 AMPS 30VDC	300	41	26.5	Heavy Duty
4AP36-AF	4	3 AMPS 30VDC	300	41	26.5	Dry Ckt. Plug-In
Other Available Values			19 to 27K	165 to 5.0	6.6 to 250	Wide Range of Mounting Styles Avail.

Weight: 3.2 oz. Max.
Ambient Temperature: −65°C to +125°C
Vibration: 20G to 2000 CPS
Insulation Resistance: 1000 Megohms Min.
Shock: 75G Min.



4A36B Relay CVE Type

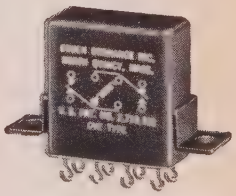


One of six standard mounting styles

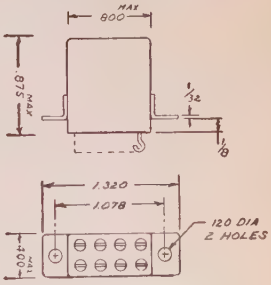
MICRO-MINIATURE ROTARY RELAYS

Catalog Number	Coil Resistance ±10% @ 25°C	Maximum Pull-In Current	Minimum Drop-Out Current	Nominal Operating Value
	Ohms	MA.	MA.	Volts
2MA35-B	40	76	12	6.6
2MA38-B	155	38	6	13.2
2MA41-B	625	19	3	26.5
2MA44-B	2500	10	1.5	52

Weight: 18 ± 1 Grams
Size: Height, .875" max.
Width, .800" max.
Thickness, .400" max.
Ambient Temperature: −65°C to +125°C
Vibration: 30G's to 2000 CPS
Shock: 50G Min.
Insulation Resistance: 1000 Megohms Min.
Contacts: 2 PDT Rated 2A @ 30VDC 100,000 Oper.
Terminals: Hook or Plug-In Optional



Type 2M Relay CVE Type

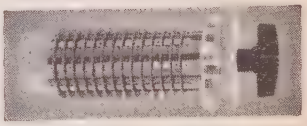


One of five standard mounting styles

THE JR MULTIPOLE ROTARY SWITCH

The JR Switch is manufactured in accordance with MIL-S-21604 (Ships). It features contact ratings of 10A at 125VAC and 5A at 125VDC. Switches can be assembled with any number of sections up to 25 and can contain any combination of rotor types.

Write for Catalog containing complete technical specifications.



15 section JR Switch

COUCH ORDNANCE, INC. A subsidiary of S.H. COUCH COMPANY, INC.

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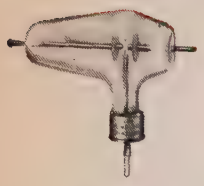
TUNG-SOL

TUNG-SOL/CHATHAM SPECIAL-PURPOSE TUBES



VACUUM SWITCH

Used in high-voltage test equipment and airborne radar units.

Types available: 1S22

RECTIFIERS

Used throughout industrial electronic equipment and broadcasting operations—AM, FM and TV.

Types available: 1Z2, 3B25, 3B28, 4B32, 5AT4, 5R4GY, 5R4WGA, 5R4WGB, 6H6WGT, 6X4W, 25Z6WGT, 26Z5W, 83, 583, 5517, 5726/6AL5W, 5726/6AL5W/6097, 5829WA, 3B29, 576A.

VOLTAGE REFERENCE TUBES

Used in radios and other electronic gear with regulated power supplies. Especially in high-accuracy units.

Types available: 5651, 5651WA. 5783, 5783WA, 5783WB.

TELEPHONE TUBES

Used in hand sets and carrier equipment.

Types available: 313C, 338A, 407A, 426A, 5842/417A, 5847/404A, 6028/408A.

TWIN TRIODES

Used widely in equipment handling frequencies from the audio level through the frequency band.

Types available: 5670, 5670WA, 6SU7GTY, 12AT7WA, 12AY7, 53, 6SC7GTY, 5687, 5687WA, 2C51, 6188/6SU7WGT, 5814, 5814WA, 5751, 5751WA, 6SN7WGTA, 6021.

HYDROGEN THYRATRONS

Used in radar modulators and missile tracking beacons. Miniatures in airborne units.

Types available: 1258, 5948, 5949, 7190, 7191, VC1257, 7192, 7240, 7454, 5948A, 5949A.

VOLTAGE REGULATORS

Used in Radio and other electronic equipment with regulated power supplies.

Types available: OB2WA, OB2, OC3W, OD3W, 6542, 6627/OB2WA, 6074, 7099.

POWER PENTODES

Used in public address systems, hi-fi amplifiers, radio transmitters and receivers.

Types available: 2E22, 3A4, 5A6, 6AR6, 6L6WGB, 5881, 26E6WGB, 6098/6AR6WA, 6146, 6550, 6883.

THYRATRONS

Used in power supplies, radio transmitters, motor controllers and spot welders.

Types available: 2A4G, 2D21W, 3C23, 6D4, 323B, 393A, 394A, 395A, 885, 2050W, 5594, 5696, 2D21, 2050, 5727/2D21W, 5643, 6012, 6901.

SEMICONDUCTORS

GERMANIUM TRANSISTORS

TO-5 Inverted Header Design Brings you these Benefits . . .

- improved thermal properties for longer life.
- superior mechanical characteristics for increased reliability.

MEDIUM POWER, MEDIUM FREQUENCY

	MAXIMUM RATINGS (25° C)					TYPICAL VALUES (25° C)		
TYPE	P_C mw	V_{CE} volts	V_{CB} volts	I_C ma	T_J °C	Max. I_{CBO} μa	h_{FE}	fαb mc
2N381	200	−25	−50	400	100	10	50	3
2N382	200	−25	−50	400	100	10	80	4
2N383	200	−25	−50	400	100	10	100	5
INDUSTRIAL TYPES								
2N460	200	—	−45	400	100	15	25	1.2
2N461*	200	—	−45	400	100	15	50	1.2

*Designed to meet MIL-T-19500/45

MEDIUM POWER, HIGH FREQUENCY

	MAXIMUM RATINGS (25° C)					TYPICAL VALUES (25° C)		
TYPE	P_C mw	V_{CE} volts	V_{CB} volts	I_C ma	T_J °C	Max. I_{CBO} μa	h_{FE}	fαb mc
COMPUTER TYPES								
2N404*	120	−24	−25	100	85	5	30	12
2N425	120	−20	−30	400	85	5	30	4
2N426	120	−18	−30	400	85	5	40	6
2N427	120	−15	−30	400	85	5	55	11
2N428†	120	−12	−30	400	85	5	80	17
2N578	120	−14	−20	400	85	5	15	5
2N579	120	−14	−20	400	85	5	30	8
2N580	120	−14	−20	400	85	5	45	15
2N581	120	−14	−18	100	85	5	30	8
2N582	120	−14	−25	100	85	5	60	18
2N1313	180	−15	−30	400	100	3.5	70	12
GENERAL PURPOSE TYPES								
2N413	120	−18	−30	200	85	5	30▲	2.5
2N414	120	−15	−30	200	85	5	60▲	.5
2N416	120	−12	−30	200	85	5	80▲	10
2N417	120	−10	−30	200	85	5	140▲	20
						▲h_{fe}		

*Designed to meet MIL-T-19500/20
†Designed to meet MIL-T-19500/44

TO-3 and High Power Outlines Feature Exclusive Tung-Sol Cold Weld Seal . . .

- True hermetic, copper-to-copper seal improves thermal characteristics.
- Elimination of heat-damage, heat-caused moisture and "splash" increase reliability.
- Vacuum-tight, moisture-proof cold-weld seal lasts even through "breathing" over long-life.

For further information [illegible] full line of Tung-Sol products . . . to discuss specific

[illegible] SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

* SPECIAL-PURPOSE TUBES
* SEMICONDUCTORS
* ENTERTAINMENT TUBES
* LAMPS

PENTODES

Used in military and other communications equipment.

Types available: 1AD4, 6AJ5, 6AK5WB, 6AS6, 6AU6WA, 5636, 5636A, 5639, 5654/6AK5W, 5654/6AK5W/6096, 5672, 5678, 5725/6AS6W, 5725/6AS6W/6187, 5749/6BA6W, 5875.

VHF TRIODES

Used in military VHF radio and test equipment.

Types available: 5676

POWER TRIODES

Used in high current regulated power supplies and radio and industrial gear with built-in power supplies.

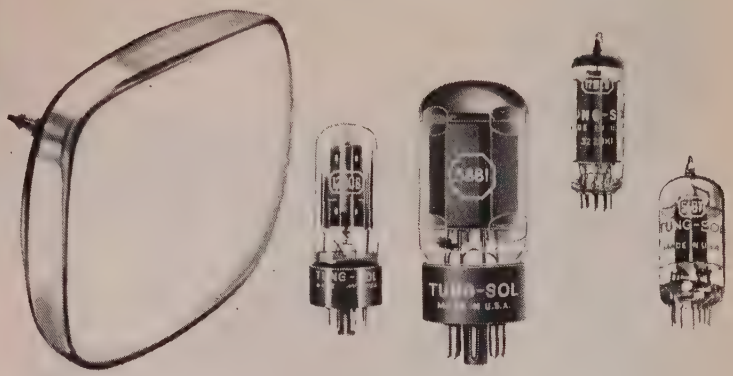
Types available: 6AS7G, 5998, 6080, 6080WA, 6082, 6336, 6336A, 6394A, 6520, 7105, 6528, 7241, 7242.

INDICATOR THYRATRONS

Used in relay service wherever a small, lightweight, self-indicating tube is needed.

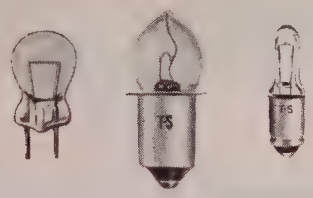
Types available: 7400, 7401, 7323.

ENTERTAINMENT TUBES



Tung-Sol Blue Chip quality tubes are available for virtually every entertainment need — cathode ray, series-string, hybrid auto radio, TV, radio and hi-fi.

LAMPS



Miniature incandescent lamps for all instrumentation applications up to 40 volts. Available in a wide variety of base configurations.

POWER, MEDIUM FREQUENCY

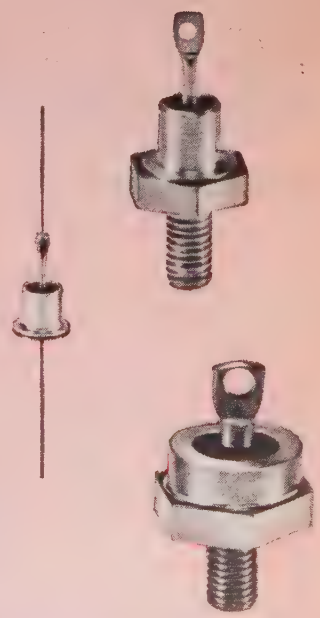
	MAXIMUM RATINGS (25° C)					TYPICAL VALUES (25° C)		
TYPE	P_C w	V_{CE} volts	V_{CB} volts	I_C A	T_J °C	Max. I_{CBO} ma	h_{FE}	$f_{\alpha b}$ mc
AUDIO TYPES								
2N242	15	−45	—	2	85	1.0	50	0.4
POWER SWITCH TYPES								
2N378	50	−20	−40	5	100	0.5	30	0.3
2N379	50	−40	−80	5	100	0.5	30	0.3
2N380	50	−30	−60	5	100	0.5	50	0.4
2N459	50	−60	−105	5	100	0.5	30	0.3

HIGH POWER, MEDIUM FREQUENCY

	MAXIMUM RATINGS (25° C)				TYPICAL VALUES (25° C)		
TYPE	V_{CE} volts	V_{CB} volts	I_C A	T_J °C	Max. I_{CBO} ma	h_{FE}	$f_{\alpha e}$ Kc
MILITARY TYPE							
TS 748	Designed to meet MIL-T-19500/13A dated 8 January 1958						
INDUSTRIAL TYPES							
2N173	−50	−60	15	95	8	52	10
2N174	−70	−80	15	95	8	37	10
2N174A	−70	−80	15	95	8	37	10
2N277	−40	−40	15	95	8	52	10
2N278	−45	−50	15	95	8	52	10
2N441	−40	−40	15	95	8	30	10
2N442	−45	−50	15	95	8	30	10
2N443	−50	−60	15	95	8	30	10

SILICON RECTIFIERS

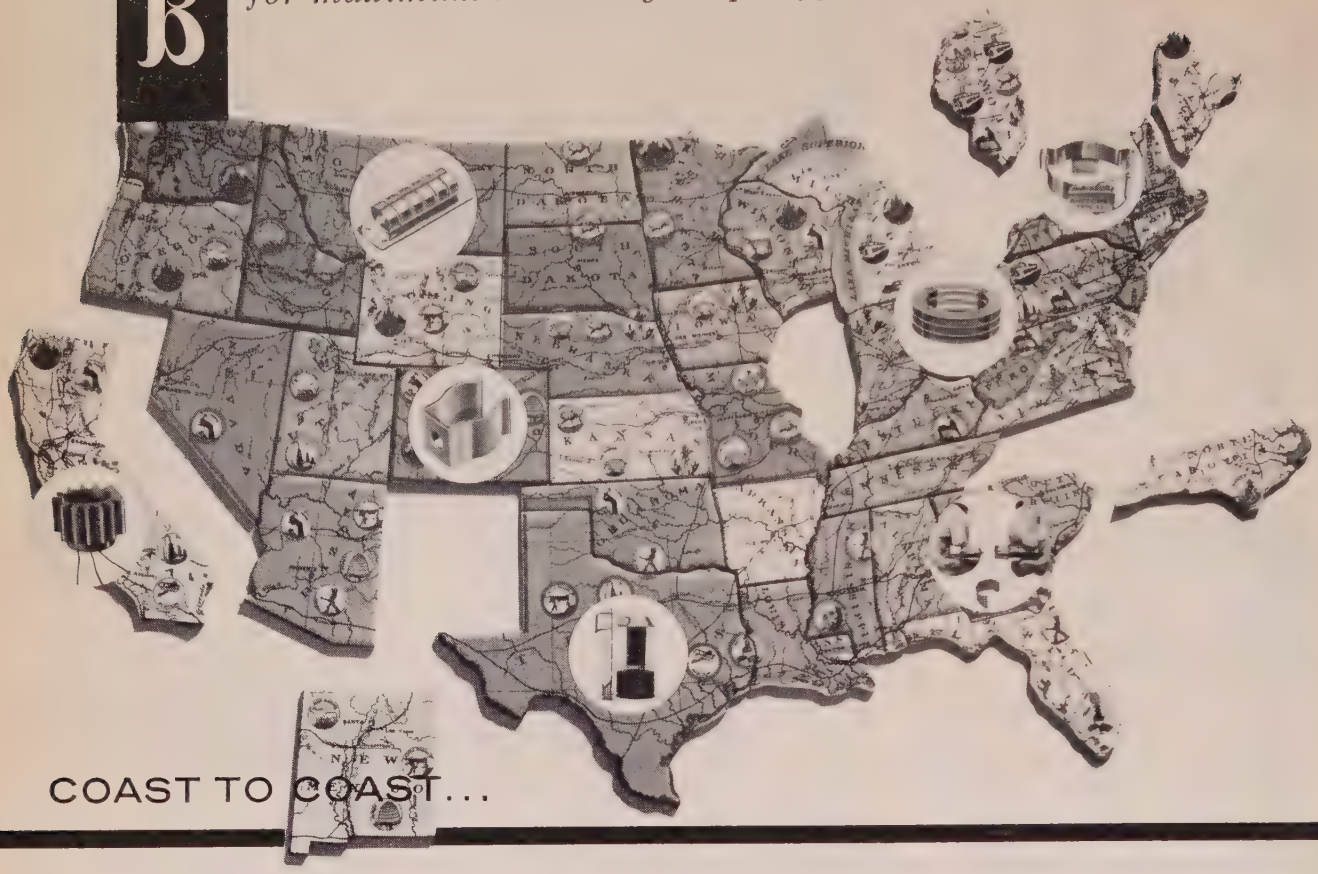
Tung-Sol's select line assures the utmost in uniformity and electrical and mechanical stability. Ranging from 250 ma to 100 amps, these outstanding units operate with undiminished reliability over a −65 to +150°C case temperature range. Tung-Sol silicon rectifiers feature low forward voltage drop . . . low reverse leakage . . . low thermal resistance . . . and high surge handling ability. They are built with extra heavy ruggedness for rough-and-tough industrial and military applications . . . and are designed to meet the most rigorous military specifications.



design requirements, contact: Tung-Sol Electric Inc., Newark 4, N. J.

TUNG-SOL

for maximum reliability... specify Birtcher



COAST TO COAST...

for the right solution to every tube, transistor and component

RETENTION *and/or* COOLING

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INDUSTRIAL DIVISION
4371 Valley Blvd., Los Angeles 32, Calif.
Phone: CApitol 2-9101 • WUX Los Angeles

SPECTRUM COVERAGE

NEW PRD 101 series
Broadband Attenuators

30000 mc/s — 50000 mc/s — 75000 mc/s

NEW PRD 277-B Standing Wave Amplifier

10 mc/s — 100 mc/s — 1000 mc/s — 10000 mc/s

NEW PRD 230 Universal Probe Carriage

The world's foremost MICROWAVE company

PRD ELECTRONICS, INC.
A Subsidiary of Harris-Intertype Corporation
Formerly Polytechnic Research & Development Co., Inc.
202 Tillary Street, Brooklyn 1, New York, ULster 2-6800
2639 So. La Cienega Blvd., Los Angeles 34, Calif., UPton 0-1940

The most complete line of precision

BAND	S		G		C		H		X	
WAVEGUIDE DIMENSIONS (INCHES)	3x1½		2x1		1½x¾		1¼x⅝		1x½	
FREQUENCY RANGE (kmc/sec)	2.60-3.95		3.95-5.85		5.85-8.20		7.05-10.0		8.20-12.4	
ATTENUATORS										
Broadband			G101	$490	C101	$ 340	H101	$ 340	X101	$ 265
Variable					1156	$ 75			154-A	$61.50
Precision gauge	175-B†	$375	170-B	$325	178-B	$ 300	185-B	$ 275	195-B	$ 215
Precision dial	174-B†	$290	169-B	$235	177-B	$ 230	184-B	$ 200	196-C	$ 165
Fixed waveguide	137	$ 75	120	$ 65	119†	$ 65	118	$ 60	140	$ 55
Level set	171-B	$115	162-B	$105	156-B	$ 100	160-B	$ 90	159-B	$ 70
	171-A	$105	162-A	$ 95	156-A	$ 90	160-A	$ 80	159-A	$ 60
TERMINATIONS										
Fixed	129-A	$ 45	115-A	$ 35	121-A	$ 30	114-A	$ 25	116-A	$ 25
Sliding	1129	$100	1115	$ 75	1121	$ 70	1114	$ 60	1116	$ 50
FERRITE ISOLATORS			1205	$270	1204	$ 245	1206	$ 230	1203	$ 220
SLIDING SHORTS	315	$150	316	$140	317	$ 130	318	$ 120	319	$ 110
PRECISION MISMATCHES	1404	$300	1401	$225	1403	$ 175	1400	$ 150	1402	$ 125
SLOTTED SECTIONS	209-A	$590	201-A	$390	204-B	$ 340	202-B	$ 340	203-D	$ 280
TUNERS: Slide screw E-H	309-A	$150	300-A	$140	305-A	$ 135	302-B	$ 130	303-A	$ 125
ADAPTER: Waveguide to coaxial	365-A	$ 50	357	$ 40	356-A	$ 35	355-A	$ 30	354-B	$ 25
DIRECTIONAL COUPLERS										
(40 db)	409	$350	410	$240	411	$ 140	412	$ 120	408	$ 100
(20 db)			400	$250	404	$ 200	401	$ 175	402	$ 130
BENDS AND TEES										
E Bend			450	$ 70	454	$ 50	458	$ 35	462	$ 30
E Tee			452	$ 85	456	$ 65	460	$ 50	464	$ 37
H Bend			451	$ 70	455	$ 50	459	$ 35	463	$ 30
H Tee			453	$ 85	457	$ 65	461	$ 50	465	$ 37
E-H Tee			478	$100	479	$ 85	480	$ 70	481	$ 50
CRYSTAL MOUNTS										
Fixed									601	$ 55
Tunable										
BOLOMETER MOUNTS										
Tunable										
Fixed										
THERMISTOR MOUNTS	644	$125	645	$ 95	646	$ 90	647	$ 90	643-A	$ 85
WAVEGUIDE STANDS	370								$7.50	
BROADBAND PROBES	250-A						$145			
WAVEGUIDE ADAPTERS										
SLOTTED LINES*									X231	$ 90
FREQUENCY METERS										
Broadband direct reading			532	$380	533	$ 295	534	$ 290	535	$ 175
Precision direct reading					555†	$1500	557†	$1500	559†	$1200
					556†	$1500	558†	$1500	565†	$1500
Direct reading			590-A†	$350	588-A†	$ 250	586†	$ 150	585†	$ 150
FLANGE BOLT ASSEMBLY	369-A	$4/dz.	369-B	$4/dz.	369-B	$4/dz.	369-C	$4/dz.	369-D	$4/dz.
CALORIMETER										
TUBE MOUNTS			704†	$200			702†	$ 200	703†	$ 130

ADDITIONAL MICROWAVE INSTRUMENTATION

STANDING WAVE AMPLIFIER	277-B	$ 195
KLYSTRON POWER SUPPLY	809	$ 350
UNIVERSAL KLYSTRON POWER SUPPLY	812	$1495
UNIVERSAL BWO/TWT POWER SUPPLY	813	$2900
UNIVERSAL POWER BRIDGE	650-B	$ 320
VHF-UHF NOISE GENERATOR	904	$ 490

COAXIAL TEST EQUIPMENT

Complete specifications on all of these products and more can be found in the giant PRD catalog. If you don't have your own copy contact your nearest engineering representative or write: **PRD ELECTRONICS, INC.**

202 Tillary Street, Brooklyn 1, New York,

TERMS: ½%, 10 days date of invoice. Net 30 days. F.O.B. Brooklyn, N.Y.

DATA AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

microwave test instruments

U .702x.391		K .500x.250		A .360x.220		Q .148x.074	
12.4-18.0		18.0-26.5		26.5-40.0		50.0-75.0	
U101	$ 265	K101	$ 425	A101	$ 425	193	$ 370
188-B	$ 275	153-B	$ 325	192-A	$ 350		
187-B	$ 200						
138	$ 60						
158-B	$ 85	155	$ 110	157	$ 125		
158-A	$ 75						
131-A	$ 25	132-A	$ 30	133-A	$ 35	1103	$ 65
1131	$ 55	1132	$ 65	1133	$ 75		
1208	$ 220	1209	$ 270				
320-A	$ 125	312	$ 170	322	$ 140	326	$ 150
1405	$ 150	1406	$ 330	1407	$ 340		
210-B	$ 425	211-B	$ 425	212-B	425	216-A	$1250
311-A	$ 130						
314-A	$ 135	313-A	$ 155	312-A	$ 170	323	$ 280
413	$ 100						
405	$ 200						
466	$ 35	470	$ 40	474	$ 45	490	$ 50
468	$ 45	472	$ 50	476	$ 60	488	$ 60
467	$ 35	471	$ 40	475	$ 45	486	$ 50
469	$ 40	473	$ 50	477	$ 60	487	$ 60
482	$ 55	483	$ 70	484	$ 85	489	$ 80
6604	$ 140	6605	$ 140	6606	$ 140		
616-A	$ 170	621-A	$ 185				
616-A	$ 170	621-A	$ 185			632	$ 125
6604	$ 140	620	$ 115	618	$ 115		
648	$ 105	607	$ 150				
253		$135					
		3360	$ 38	3362	$ 38		
		3361	$ 38	3363	$ 38		
U231	$ 110	K231	$ 235	A231	$ 235		
536	$ 285	537	$ 290	538	$ 300		
566†	$1500	568†	$1500	570†	$1500		
567†	$1500	569†	$1500	571†	$1500		
369-E	$4/dz.						
		666		$975			

INSTRUMENT	MODEL NUMBER	FREQUENCY kmc/sec	PRICE
Adapters "N" to 7/8 inch	389 to 392	0 - 5.0	$ 53
"C" to 7/8 inch	3350 to 3353	0 - 5.0	$ 55
VHF-UHF Detector	641-A	0.01 -10.0	$ 25
Bolometers	631 Series	0.5 -10.0	$ 25
Ferrite Isolator	1211	2.0 - 4.0	$ 295
Slotted Sections	200-C	1.0 - 5.0	$ 475
	215-A	1.0 - 4.0	$ 475
	205-A	4.0 -10.0	$ 475
Slotted Line*	N231	4.0 -10.0	$ 195
Standing Wave Detector	219	0.1 - 1.0	$ 525
Tuners: E-H	327	0.95 - 5.0	$ 125
Double Stub	306-A	2.0 -10.0	$ 90
E-H	328	2.7 -10.0	$ 125
Bolometer and Crystal Mounts	612 Series	1.0 -10.0	$ 145
	613	1.0 -12.0	$ 50
	622	1.0 -12.0	$ 55
Terminations	139	0 - 1.0	$ 35
	145-A	0 - 4.0	$ 95
	1107	2.0 -10.0	$ 53

INSTRUMENT	MODEL NUMBER	FREQUENCY kmc/sec	PRICE
Broadband Thermistor and Bolometer Mounts	627-A	0.5 -10.0	$ 95
	628-A	0.5 -10.0	$ 95
Fixed Attenuators	130	2.0 -10.0	$ 40
	136	1.0 - 4.0	$ 120
	1100	0 - 4.0	$ 55
Variable Cutoff Attenuators	180-A	8.2 -10.0	$ 200
	181	1.0 - 4.0	$ 125
	198	1.0 - 4.0	$ 150
Oscillators	701	2.4 - 3.6	$ 300
	707	0.95 - 2.3	$1500
	706	3.6 - 7.3	$ 950
	705	7.0 -11.0	$ 950
Frequency Meters	500	0.042-10.0	$3500
	504	0.1 -10.0	$ 695
	560	2.4 - 3.4	$1300
	560-S1	2.7 - 3.7	$1300
	578	0.925- 1.65	$1500
	579	1.60 - 2.60	$1500
	583-D	2.7 - 3.7	$ 650
	587-A	0.250- 1.0	$ 275

*For PRD 230 UNIVERSAL PROBE CARRIAGE — $160 †not full band coverage

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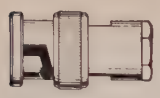
COAXIAL CABLE CONNECTORS

67 NORTH SECOND STREET • BEECH GROVE, INDIANA

BNC SERIES



CABLE PLUG

DAGE NO.	AN NO.	CABLE RG ( )/U
056-1	UG-88/U	55,58
073-1	UG-260/U	59,62,71
359-1	UG-88B/U	55,58
416-1	UG-260A/U	59,62,71
813-1	UG-88C/U	55,58
815-1	UG-260B/U	59,62,71
2030-1	UG-88A/U	55,58
3421-1	UG-260C/U	59,62,71

CABLE JACK

124-1	UG-261/U	59,62,71
130-1	UG-89/U	55, 58
415-1	UG-89B/U	55, 58
417-1	UG-261A/U	59,62,71
814-1	UG-89A/U	55, 58
816-1	UG-261B/U	59,62,71
3420-1	UG-89C/U	55, 58
3422-1	UG-261C/U	59,62,71

SINGLE HOLE MOUNT CABLE JACK

2225-1	UG-910/U	59,62,71
2230-1	UG-909/U	55,58
2461-1	UG-624/U	59,62,71
3441-1	UG-909A/U	55,58
3442-1	UG-910A/U	59,62,71

FLANGE MOUNT CABLE JACK

121-1	UG-262/U	59,62,71
122-1	UG-291/U	55,58
371-1	UG-262A/U	59,62,71
413-1	UG-291A/U	55,58
817-1	UG-291B/U	55,58
1-110-1	UG262B/U	59,62,71
3423-1	UG-262C/U	59,62,71
3425-1	UG-291C/U	55,58

SINGLE HOLE MOUNT JACK RECEPTACLE

DAGE NO	AN NO
081-1	UG-625/U
667-1	UG-625A/U
667-2	UG-1094/U
1-400-1	UG-911/U
1-408-1	UG-625B/U

FLANGE MOUNT JACK RECEPTACLE

055-1	UG-290/U
671-1	UG-290A/U

ADAPTER STRAIGHT SINGLE HOLE BULKHEAD FEED THRU (JACK-JACK)

547-1	UG-492/U
1-190-1	UG-492A/U
2201-1	UG-492B/U

PLUG RECEPTACLE RIGHT ANGLE SINGLE HOLE MOUNT

818-1	UG-535A/U
818-2	UG-1098/U
2556-1	UG-1174/U

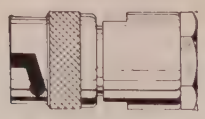
ADAPTER TEE (2 JACK, 1 PLUG ENDS)

134-1	UG-274/U
1-040-1	UG-274A/U
3424-1	UG-274B/U

BINDING POST

501-1	UG-924/U

C SERIES



CABLE PLUG

DAGE NO.	AN NO.	CABLE RG ( )/U
288-1	UG-573A/U	8,9
1-121-1	UG-709A/U	58
1-200-1	UG-943A/U	10,12
1-262-1	UG-626A/U	5,6
3433-1	UG-573B/U	8,9
3434-1	UG-626B/U	5,6

CABLE JACK

DAGE NO.	AN NO.	CABLE
310-1	UG-572/U	8,9
1-604-1	UG-633/U	5,6
3432-1	UG-572A/U	8,9
3439-1	UG-633A/U	5,6

SINGLE HOLE MOUNT CABLE JACK

308-1	UG-570/U	8,9
585-1	UG-939/U	8,9
1-605-1	UG-704/U	55,58
3430-1	UG-570A/U	8,9

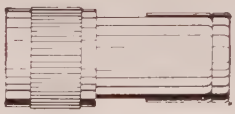
FLANGE MOUNT CABLE JACK

804-1	UG-629/U	5,6
3431-1	UG-571A/U	8,9

SINGLE HOLE MOUNT JACK RECEPTACLE

DAGE NO.	AN NO.
2377-1	UG-634/U
3127-1	UG-569A/U

N SERIES



PLUG

DAGE NO.	AN NO.	CABLE RG ( )/U
037-1	UG-21B/U	8,9
131-1	UG-18B/U	5,6,21
400-1	UG-21C/U	8,9
1-111-1	UG-21D/U	8,9
1-243-1	UG-18A/U	5,6,21
1-244-1	UG-21A/U	8,9
1-624-1	UG-18C/U	5,6,21
2799-1	UG-204C/U	14

JACK

062-1	UG-23B/U	8,9
140-1	UG-20B/U	5,6,21
1-242-1	UG-20A/U	5,6,21
1-246-1	UG-23A/U	8,9
1-247-1	UG-23D/U	8,9
1-490-1	UG-23C/U	8,9
1-527-1	UG-20C/U	5,6,21

FLANGE MOUNT CABLE JACK

047-1	UG-22B/U	8,9
132-1	UG-19B/U	5,6,21
345-1	UG-1052/U	58
1-258-1	UG-22D/U	8,9
1-480-1	UG-22C/U	8,9
1-526-1	UG-19C/U	5,6,21
2328-1	UG-1187/U	8,9
3195-1	UG-1187A/U	8,9
3456-1	UG-1095A/U	55,58
3457-1	UG-1095B/U	55,58

SINGLE HOLE MOUNT CABLE JACK

DAGE NO.	AN NO.	CABLE RG ( )/U
2146-1	UG-160C/U	8,9
2413-1	UG-936A/U	10,12
3039-1	UG-160B/U	8,9

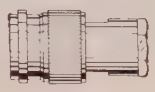
RIGHT ANGLE FLANGE MOUNT JACK RECEPTACLE

DAGE NO.	AN NO.
2466-1	UG-997A/U

FLANGE MOUNT JACK RECEPTACLE

019-1	UG-58A/U

TNC SERIES



CABLE PLUG

DAGE NO.	CABLE RG ( )/U
8000-1	55,58
8004-1	59,62,71

CABLE JACK

8005-1	55,58
8006-1	59,62,71

SINGLE HOLE MOUNT CABLE JACK

8009-1	55,58
8010-1	59,62,71

FLANGE MOUNT CABLE JACK

8007-1	55,58
8008-1	59,62,71

SINGLE HOLE MOUNT JACK RECEPTACLE

DAGE NO.	DATA
8001-1	Herm. Seal
8012-1	

FLANGE MOUNT JACK RECEPTACLE

8011-1	

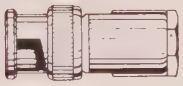
RIGHT ANGLE SINGLE HOLE MOUNT JACK RECEPTACLE

8016-1	Solder pot

RIGHT ANGLE FLANGE MOUNT JACK RECEPTACLE

8015-1	Solder pot

TRIAXIAL SERIES



CABLE PLUG

DAGE NO.	DATA
2675-1	Polarized
2743-1	Standard

CABLE JACK

2741-1	Standard
2742-1	Polarized

SINGLE HOLE MOUNT CABLE JACK

3107-1	Standard
3197-1	Polarized

FLANGE MOUNT JACK RECEPTACLE

2676-1	Not pressurized

SINGLE HOLE MOUNT JACK RECEPTACLE

2677	Polarized

CABLE JACK (MIN.)

5922-1	P	Coax cable

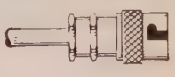
SINGLE HOLE MOUNT JACK RECEPTACLE (MIN.)

5923-1	P	Herm. seal

ADAPTER STRAIGHT SINGLE HOLE BULKHEAD FEED THRU (JACK to JACK) (MIN.)

5924-1	P	Herm. seal

DM SERIES



CABLE PLUG

DAGE NO.	POLARITY	DAGE JACKET DIA. MAX.	MIN.
1-300-1	A	.135	.115
1-317-1	B	.135	.115
1-818-1	E	.135	.115
1-940-1	J	.135	.115
1-941-1	L	.135	.115
5149-1	F	.135	.115
5152-1	M	.135	.115
5312-1	K	.135	.115

CABLE JACK

DAGE NO.	POLARITY	OUTER JACKET DIA. MAX.	MIN.
1-350-1	A	.135	.115
1-352-1	B	.135	.115
5165-1	E	.135	.115
5166-1	F	.135	.115
5167-1	J	.135	.115
5168-1	K	.135	.115
5169-1	L	.135	.115
5170-1	M	.135	.115

SINGLE HOLE MOUNT JACK RECEPTACLE

DAGE NO.	POLARITY	MT. DIM. Hole DIM.	Panel TH'K.
1-310-1	B	1	1/8
1-311-1	A	1	1/8
1-707-1	E	2	1/8
1-875-1	F	1	1/8
1-945-1	J	1	1/8
1-946-1	K	1	1/8
5231-1	L	1	1/8
5232-1	M	1	1/8

SOLDER MOUNTED JACK RECEPTACLE

DAGE NO	POLARITY	HERM. SEAL
1-771-1	B	Yes
1-772-1	F	Yes
1-774-1	A	Yes
1-778-1	E	Yes
1-954-1	J	Yes
1-955-1	L	Yes
5061-1	K	Yes
5062-1	M	Yes

JACK BULK HEAD FEED THRU'S

1-699-1	E	Yes
1-957-1	K	Yes
5059-1	L	Yes
5060-1	M	Yes
5208-1	F	Yes
5209-1	J	Yes
5210-1	A	Yes
5211-1	B	Yes

OTHER FITTINGS AVAILABLE. WRITE FOR FREE CATALOG.

SPECIFY SPERRY SEMICONDUCTORS

GERMANIUM TUNNEL DIODES

Standard types T101-T105 are available with typical peak current ratings of 0.8 to 15 milliamperes and typical peak-to-valley current ratios of 8. In addition, numerous other Sperry tunnel diodes are available on a do-it-yourself specification basis to meet your design requirements. Send for your own tunnel diode spec and price nomogram #1201.

SUBMINIATURE SILICON DIODES

HIGH CURRENT SWITCHING DIODES. Unique types developed by Sperry for your special high-current applications.

Type	Min. Sat. Vol. (Volts) (@ 100μA, 25°C)	Min. Fwd. Current (mA) (at 1.0V)	Max. Reverse Recovery Time (μsec)	Application
1N658	120	100	0.3	High-current pulse circuits. MIL approved type.
1N663	100	100	0.3	
1N690	40	400	0.8	Gating, Clamping, Switching, Magnetic Core-Switching Circuits. * High-frequency rectifier, demodulator. MIL guidance types.
1N691	80	400	0.8	
1N692	120	400	0.8	
1N693	150	400	0.8	
1N920	40	500	0.3	
1N921	80	500	0.3	
1N922	120	500	0.3	
1N923	150	500	0.3	

*Measured at 500mA in high current diode reverse recovery test set. See Sperry Technical Information Bulletin #2103.

LOW CURRENT SWITCHING DIODES. Popular MIL types for all logic and low-current applications.

Type	Min. Sat. Vol. (Volts) (@ 100μA, 25°C)	Min. Fwd. Current (mA) (at 1.0V)	Max. Reverse Recovery Time (μsec)	Application
1N643	200	10	0.3	High speed computer logic and switching applications. High-frequency rectifier, demodulator. MIL approved type.
1N659	60 @ 100°C	6	0.3	
1N660	120 @ 100°C	6	0.3	
1N662	100	10	0.5	

Many other low-current switching types available such as 1N625 series, 1N789 series, and 1N837 series.

HIGH-CONDUCTANCE GENERAL-PURPOSE DIODES

Extremely low reverse leakage. Applications include low-level magnetic amplifier, power supplies, modulator and demodulator circuitry. A partial list:

1N456	1N462	1N482A	1N483B	1N485
JAN 1N457	1N463	1N482B	1N484	1N485A
JAN 1N458	1N464	1N483	1N484A	1N485B
JAN 1N459	1N482	1N483A	1N484B	1N486
1N461				1N486A

SILICON NPN MESA TRANSISTORS

Diverse application in all areas of high-speed switching, broadband video amplification and RF oscillation. Improved construction means greater reliability. More rugged short-post design.

Type	BV_{CE} (Volts)	h_{fe}	f_t (mcs.)	Application
FOR SWITCHING APPLICATIONS —				
2N696	40	20 - 60	80	Medium and high gain, high frequency, high power switch and amplifier.
2N697	40	40 - 120	100	
2N702	25	20 - 60	150	Medium and high gain, very high frequency switch and amplifier.
2N703	25	40 - 100	150	
2N706	20	15	400	Ultra fast switch.
FOR LINEAR AMPLIFIER APPLICATIONS —				
2N698	80	20 min.	100	Medium and high gain, high-voltage and power linear amplifier.
2N699	80	40 - 120	100	

SILICON ALLOY PNP TRANSISTORS

All production units are baked at 200°C for 200 hours to insure stability and high performance under extreme environmental conditions.

Type	BV_{CE}	h_{fe}	$f_{\alpha b}$ (kc)	Application
GENERAL PURPOSE (AUDIO AND SWITCHING) TYPES —				
2N327A	40	14 avg.	200	Medium and high gain transistors for high temperature, audio and d.c. amplifiers. MIL guidance types.
2N328A	35	28 avg.	300	
2N329A	35	60 avg.	500	
2N330A	30	25 avg.	500	Low noise amplifier.
2N1024	15	9 min.	1 mc.	Low, medium and high gain, high efficiency switch. Low I_{CO} for D.C. control, servo amplifiers. MIL preferred types.
2N1025	35	9 - 22	1 mc.	
2N1026	35	18 - 44	2 mc.	
2N1469	35	36 - 88	2 mc.	
2N1034	40	9 - 22	200	Low, medium and high gain. Specified A.C. parameters, small signal specs.
2N1035	35	18 - 40	300	
2N1036	30	36 - 88	500	
2N1037	35	25 avg.	300	Low noise amplifier.
HIGH VOLTAGE AUDIO AND SWITCHING TYPES —				
2N1275	80	14 avg.	100	High voltage, high temp. audio switching and d.c. amplifiers for servo, control applications.
2N1474	60	9 - 44	1 mc.	High voltage for switching circuits and audio, servo applications.
2N1475	60	36 - 88	1 mc.	
2N1476	100	12 - 36	1 mc.	
2N1477	100	30 - 66	1 mc.	
HIGH FREQUENCY TYPES —				
2N1118	25	9 min.	15 mc.	Amplifier, and oscillator to 20 mc.
2N1119	10	16 (dc)	18 mc. (f_{max})	High speed switching circuits, low saturation. Excellent DCTL type.
2N1027	15	18 min.	4 mc.	General purpose switching.
2N1028	10	9 min.	10 mc.	

SPERRY

SPERRY SEMICONDUCTOR DIVISION
SPERRY RAND CORPORATION • SOUTH NORWALK, CONN.

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NOW—Two important contributions to printed circuit design—

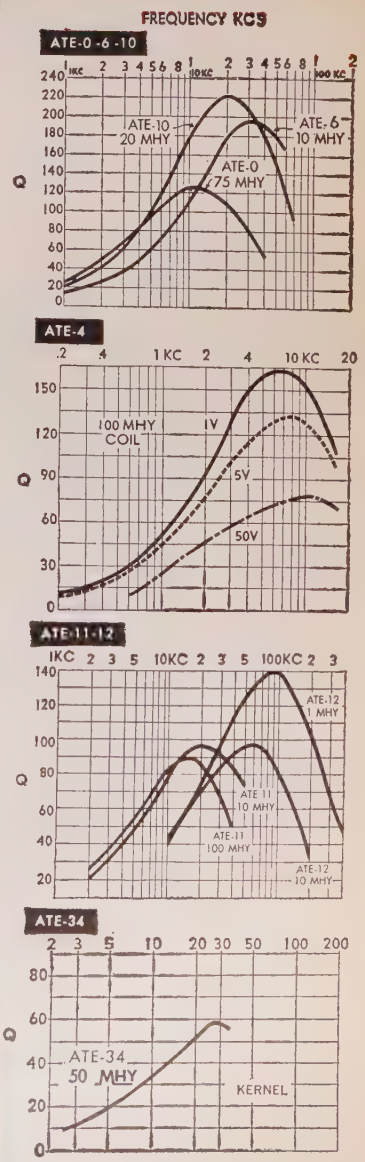
The Microminiature Kernel ATE-34 Adjustoroid® and a New Line of Miniature Encapsulated Adjustoroids

Newest addition to the Burnell Adjustoroid line is the microminiature Kernel® ATE-34 and the miniature ATE-11, ATE-0 and ATE-4. One of the unique features of these new Adjustoroids is a flush slotted head providing for ease of adjustment and economy in height.

The new microminiature Kernel ATE-34 Adjustoroid and the miniature ATE-11, ATE-0 and ATE-4 are variable over a 10% range of their inductance. Fully encapsulated, they will withstand high acceleration, shock and vibration environments. All of the above meet MIL-T specifications, 27 Grade 4 Class R and MIL-E 15305 A. Write for Stock Sheet AT-34.

	Length/ Dia.	Hgt.	Wt.	Useful Freq. Range	Max. Q	Max. L in hys
ATE-0	1 1/16"	1"	1½ oz.	1 kc to 20 kc	10 kc	5 hys
ATE-4	1 5/16"	1 3/16"	3.5 oz.	1 kc to 16 kc	6 kc	15 hys
ATE-6	1 1/16"	1"	1½ oz.	10 kc to 100 kc	30 kc	.75 hys
ATE-10	1 5/16"	1 3/16"	.1 oz.	3 kc to 50 kc	20 kc	.75 hys
ATE-11	¾"	1 3/16"	.75 oz.	2 kc to 25 kc	15 kc	5 hys
ATE-12	¾"	1 3/16"	.75 oz.	15 kc to 150 kc	60 kc	1 hy
ATE-34	27/64"	21/32"	.1 oz.	3 kc to 30 kc	55 kc	1 hy

PAT. 2,762,020



If you haven't already done so—send for your free membership in the Space Shrinkers Club.

Burnell & Co., Inc.

PIONEERS IN microminiaturization OF TOROIDS, FILTERS AND RELATED NETWORKS

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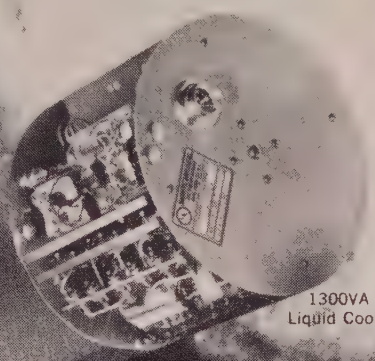
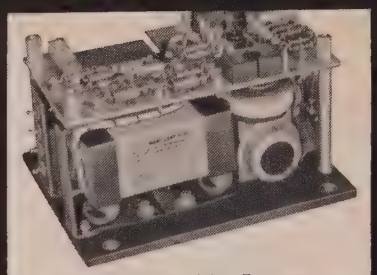
MUrray 2-2841
Teletype Pasacal 7578

STATIC INVERTERS

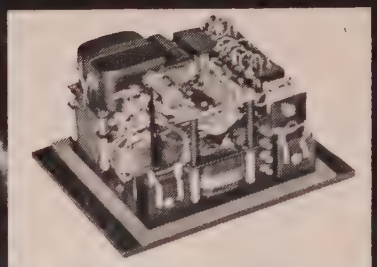


1300VA Exotic Solid to Liquid Cooling (Reversible)

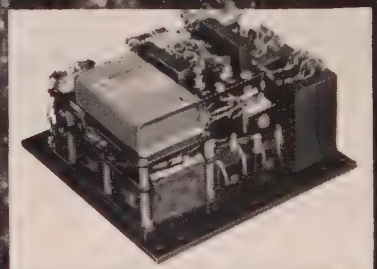
for every missile system



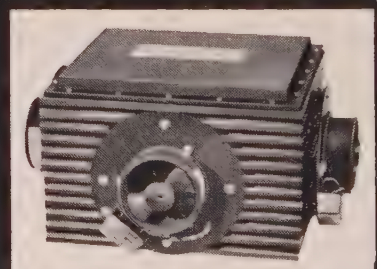
30 & 50VA Precision Frequency



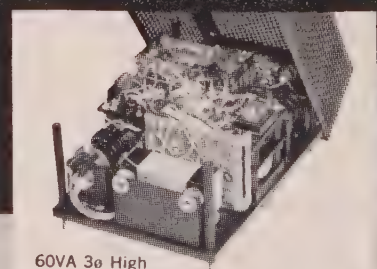
80VA Wide Range Stabilization



250 & 500VA 1ø Short Circuit Protected



750 & 1KVA 3ø Phase Locked Circuitry



60VA 3ø High Temperature, Reverse Voltage Protected

STANDARD LINE . . . DC-AC INVERTERS 28 VDC input -55°C to +71°C MIL specs

MODEL	POWER RATING	OUTPUT VOLTAGE	OUTPUT FREQUENCY	SPECIAL FEATURES
SIS-40311 series SIS-40511 series	30 VA 1ø 50 VA 1ø	115 VAC adjustable ± 10%	400 cps ± .01 to ± .05%	Precision frequency, excellent waveform, voltage regulated, ± 1% for line, ± 2% load.
SIS-408042 series	80 VA 1ø	115 VAC ± 5 V	400 cps ± 1%	Wide range stabilization, input 18-30 VDC. Voltage regulated ± 1½% no load to full load.
SIS-410042 series SIS-425041 series	100 VA 1ø 250 VA 1ø	115 VAC ± 5%	400 cps ± 1% LC. osc. tuneing fork	Magnetic Amplifier voltage regulated. Rapid on-off switching no transients high efficiency.
SIS-3-425042 series SIS-3-450022 series	250 VA 3ø 500 VA 3ø	115 VAC ± 2%	400 cps ± 2% ± 1%	Regulates to ± 2% with simultaneous variation of zero to full load, and line 25 volts to 29 volts.
SIS-3-47512 series	750 VA 3ø	208/115 V or 115/66.5 volts Adj. ± 5%	400 cps ± .002%	Extreme frequency accuracy. Phase lock circuitry. Magnetic voltage regulator.
SIS-3-40613 series	60 VA 3ø	26 VAC Adj. ± 5%	400 cps ± .01%	Short circuit protected, reverse voltage protection, high temp., + 100°C. Voltage regulated.

DESIGN NOTE: any of the special features described may be combined in a single unit to meet your special requirements.

Engineering conferences at your or our facilities. Write—call—or wire (TWX 2931)

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CYPRESS 2-6610

136-140 KANSAS STREET
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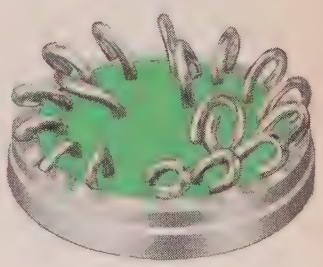
A real heel might test a Fusite Terminal like this

...but he won't make it leak!



The adherence between glass and metal in a Fusite Hermetic Terminal is an easily demonstrated fact. There are several theories as to *why* our exclusive V-24M glass actually chemically bonds to the metal components. Cobalt and certain other metallic oxides in the glass oxidize the iron in the metal which is taken into solution. It is believed that through the solution of iron, a gradual decrease of the difference of thermal expansion between the glass and metal takes place at the glass-metal interface. This inter-fusion of the two dissimilar materials gives Fusite Terminals their ability to withstand great mechanical and thermal shock and still pass Statiflux tests for glass cracks, hydrostatic pressure tests and helium mass spectrometer leak detection.

This fusion is reinforced by a strong compression of the metal ring around the glass made possible by a favorable thermal expansion balance of the glass, pins and housing.

The combination of fusion and compression provides a terminal so rugged that leaker rejection rate of components into which our terminal is fabricated is practically nil, even when roughly handled and subjected to extreme temperature changes.

Samples for your own testing are yours for the asking.

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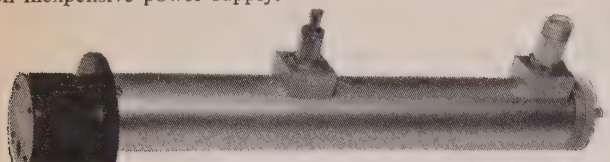
AMERAC'S PRECISION MICROWAVE CAVITIES

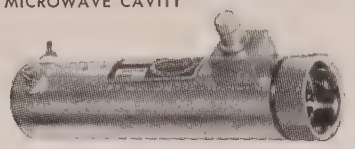
Amerac, Incorporated manufactures a comprehensive line of co-axial line cavities, utilizing various standard tubes, for numerous microwave applications including aircraft, guided missile and beacon work.

FEATURES

These cavities have such features as — single control tuning, fixed feedback, rugged anti-backlash tuning mechanism, accurate Root counter (optional), adjustable type "N" or "BNC" 50-ohm inductive loop coupling, convenient tube receptacle for quick replacement, long-duration R.F. output stability, operates on inexpensive power supply.

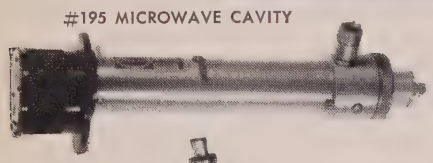


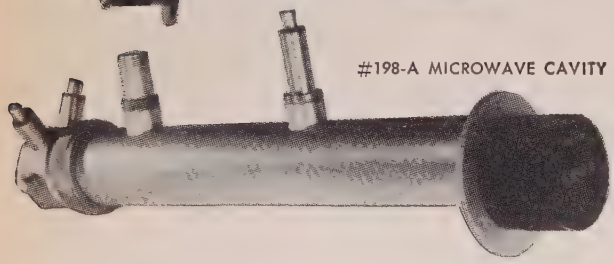
#192 MICROWAVE CAVITY



#193 "BEACON" CAVITY

#195 MICROWAVE CAVITY



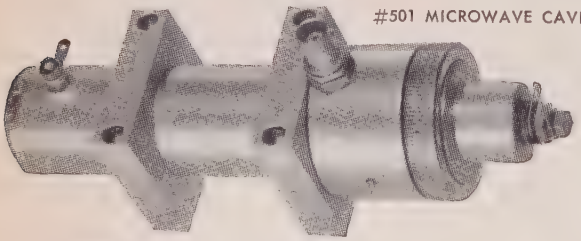


#198-A MICROWAVE CAVITY

SERIES 500 AND 600 — FOR EXTREME ENVIRONMENTAL CONDITIONS

Engineered to operate under extreme conditions of shock, vibration, temperature and humidity, these cavities have been designed to withstand 2000 cycles at 15 G. 200 MC tuning range.

#501 MICROWAVE CAVITY



#600 MICROWAVE CAVITY

Model	M.C./S Frequency From	To	Type	Cavity Mode	Power	Duty Cycle	Pulse Width U. Sec.	Tube Type
192B1	750	1000	CW	1/4	300 mw	—	—	2C36
192AB1	900	1050	Pulse	1/4	200 watts	.001	1.001	2C36
192B2	1000	1350	CW	1/4	300 mw	—	—	2C36
192AB2	1000	1250	Pulse	1/4	200 watts	.001	.5/2	2C36
192B3	1100	1400	CW	1/4	300 mw	—	—	2C36
192AB3z	1100	1400	Pulse	1/4	200 watts	.001	.5/2	2C36
192B4	1350	1700	CW	1/4	300 mw	—	—	2C36
192AB4	1350	1700	Pulse	1/4	200 watts	.001	.5/2	2C36
192B5	1500	1900	CW	1/4	300 mw	—	—	2C36
192AB5	1500	1900	Pulse	1/4	200 watts	.001	.5/2	2C36
192B6	1900	2100	CW	3/4	100 mw	—	—	2C37
192AB6	1900	2100	Pulse	3/4	200 watts	.001	.5/2	2C37
192B7	2100	2300	CW	3/4	100 mw	—	—	2C37
192AB7	2100	2300	Pulse	3/4	200 watts	.001	.5/2	2C37
192A8	2300	2500	CW	3/4	100 mw	—	—	2C37
192AB8	2300	2500	Pulse	3/4	200 watts	.001	.5/2	2C37
192A8	2500	2700	Pulse	3/4	200 watts	.001	.5/2	2C36
192A9	2700	2900	Pulse	3/4	200 watts	.001	.5/2	2C36
192A10	2800	3000	Pulse	3/4	200 watts	.001	.5/2	2C36
192A11	3000	3200	Pulse	3/4	200 watts	.001	.5/2	2C36
192A12	3200	3400	Pulse	3/4	200 watts	.001	.5/2	2C36
192A13	3400	3600	Pulse	3/4	200 watts	.001	.5/2	2C36
193-8	2500	2700	Pulse	1/4	300 watts	.001	.5/2	2C36
193-9	2700	2900	Pulse	3/4	300 watts	.001	.5/2	2C36
193-10	2800	3000	Pulse	3/4	300 watts	.001	.5/2	2C36
193-11	3000	3200	Pulse	3/4	200 watts	.001	.5/2	2C36
193-12	3200	3400	Pulse	3/4	200 watts	.001	.5/2	2C36
193-13	3400	3600	Pulse	3/4	200 watts	.001	.5/2	3C36
195-6	2000	2200	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-7	2200	2400	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-8	2400	2600	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-9	2600	2800	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-10	2800	3000	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-11	3000	3200	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-12	3200	3400	Pulse	3/4	2.0 kw	.001	.3/2	6442
195-13	3400	3600	Pulse	3/4	2.0 kw	.001	.3/2	6442
198A	900	2050	CW	1/4	100 mw	—	—	6BM6
198A	2050	4200	CW	3/4	125 mw	—	—	6BL6
198A	900	2050	Pulse	1/4	100 mw	.5	1/10	5837
198A	2050	4200	Pulse	3/4	125 mw	.5	1/10	5836
500-6	2000	2200	CW	3/4	100 mw	—	—	6442
501-6	2000	2200	Pulse	3/4	2 kw	.001	.3/2	6442
500-7	2200	2400	CW	3/4	100 mw	—	—	6442
501-7	2200	2400	Pulse	3/4	2 kw	.001	.3/2	6442
500-8	2400	2600	CW	3/4	100 mw	—	—	6442
501-8	2400	2600	Pulse	3/4	2 kw	.001	.3/2	6442
500-9	2600	2800	CW	3/4	100 mw	—	—	6442
501-9	2600	2800	Pulse	3/4	2 kw	.001	.3/2	6442
500-10	2800	3000	CW	3/4	100 mw	—	—	6442
501-10	2800	3999	Pulse	3/4	2 kw	.001	.3/2	6442
500-11	3000	3200	CW	3/4	100 mw	—	—	6442
501-11	3000	3200	Pulse	3/4	2 kw	.001	.3/2	6442
502-12	3200	3400	CW	3/4	100 mw	—	—	6442
503-12	3200	3400	Pulse	3/4	2 kw	.001	.3/2	6442
504-13	3400	3600	CW	3/4	100 mw	—	—	6442
505-13	3400	3600	Pulse	3/4	2 kw	.001	.3/2	6442
506-14	3600	3800	CW	3/4	100 mw	—	—	GLZ1910
507-14	3600	3800	Pulse	3/4	2 kw	.001	.3/2	6442
508-15	3800	4000	CW	3/4	100 mw	—	—	GLZ1910
509-15	3800	4000	Pulse	3/4	2 kw	.001	.3/2	6442
508-16	4000	4200	CW	3/4	100 mw	—	—	GLZ1910
509-16	4000	4200	Pulse	3/4	2 kw	.001	.3/2	6442
509-17	4200	4400	Pulse	3/4	1 kw	.001	.3/2	6442
509-18	4400	4500	Pulse	3/4	1 kw	.001	.3/2	6442
509-19	4500	4600	Pulse	3/4	1 kw	.001	.3/2	6442
600	900	1050	CW	1/4	5 watts	—	—	2C39B
601	900	1050	Pulse	1/4	2 kw	.002	.5/5	ML381
602	1000	1200	CW	1/4	5 watts	—	—	2C39B
603	1000	1200	Pulse	1/4	2 kw	.002	.5/5	ML381
604	1150	1300	CW	1/4	5 watts	—	—	2C39B
605	1150	1300	Pulse	1/4	2 kw	.002	.5/5	ML381
606	1250	1500	CW	1/4	5 watts	—	—	2C39B
607	1250	1500	Pulse	1/4	2 kw	.002	.5/5	ML381
608	1450	1700	CW	1/4	5 watts	—	—	2C39B
609	1450	1700	Pulse	1/4	2 kw	.002	.5/5	ML381

DEVELOPMENT ENGINEERING Amerac MICROWAVE SPECIALIST

Amerac, INCORPORATED

DUNHAM ROAD • BEVERLY, MASSACHUSETTS

EXIT 9. ROUTE 128

AMERAC'S ACCESSORY MICROWAVE PRODUCTS

AMPLIFIERS — UHF, L, S BANDS

PRE-SELECTORS — L, S, C, X BANDS

MULTIPLIERS — L, S, C, X BANDS

TEST UNITS — UHF, L, S, C, X BANDS

SPECIAL CRYSTAL MIXERS

MODEL 1000 MICROWAVE TEST SET

The Model 1000 is a portable, ruggedly constructed microwave test set for laboratory, flight line or field use. It is designed for reliable test and calibration measurements of microwave antenna systems, RF cable systems, microwave measuring instruments, VSWR of transmission line components and transmission line characteristics.

The Model 1000 utilizes any of twenty* Amerac cavity oscillators to give you any desired frequency range within 900 to 4600 MC/S. It is accurate to within 0.02% and stable to within ±0.5 MC/S. All controls are at eye-level angle and handily located.

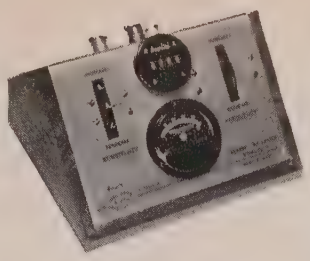
*Models 601, 603, 605, 607, 609, 611, 195-6, -7, -8, -9, -10, -11, -12, -13, 509-14, -15, -16, -17, -18, -19 (see table on opposite page for frequency range of each model.).

AMERAC'S DIRECT-READING COUNTER DIAL OFFERS COMPLETE CONTINUOUS ROTATION

The Amerdial is available with or without illumination, locking device, and special reset. Forward (i.e. clockwise rotation increases count) or reverse units may operate continuously in either direction. Especially adaptable to multiturn devices such as —

POTENTIOMETERS
MICROWAVE OSCILLATORS
AMPLIFIERS
WAVEMETERS, ETC.

CO-AXIAL LINE WAVEMETERS



#229 "S" BAND WAVEMETER

FOR LABORATORY USE, Amerac, Incorporated manufactures a precision wavemeter that is handsomely finished with golden anodized aluminum panel and hand-rubbed walnut cabinet. The panel is sloped for easy observation.

These models feature high accuracy of measurement (±.02%), high frequency stability (10°C to 40°C), extreme mechanical stability, ease of operation, rugged components and tri-plated surfaces.

GENERAL SPECIFICATIONS

Type "N" constant impedance input connector. BNC or UHF co-axial fitting for external video connection. Power handling capability: absorption — .5mw to 1 watt; transmission — 1mw to 1 watt. Peak power: up to 25 watts (transmission).

INDIVIDUAL SPECIFICATIONS

Model	Frequency Range	Loaded Q	Width	Depth	Height	Net Weight
#228*	900—2400 MC	1000	15"	9¾"	7¾"	13½ lbs.
#229	2300—4500 MC	1500	8"	6½"	5"	4¾ lbs.
#230	3500—6000 MC	1500	8"	6½"	5"	4¾ lbs.

*Model 228 has a direct-reading frequency control dial.

FOR FIELD USE, Amerac, Incorporated manufactures two co-axial line wavemeters covering the "S" band, the Model 131 (Amerac's version of the popular military model TS-117) and the inexpensive, C&D Wavemeter Model 232.

Both models feature a rugged metal case, finished in gray, baked enamel; highly sensitive indication of resonance; rugged components; precision cavity assembly and anti-backlash device, for high accuracy.

#232 "C & D" WAVEMETER

GENERAL SPECIFICATIONS

Input connections are two type "N" jacks. R.F. detector is a type 1N21B silicon diode. They have a ruggedized 50 microampere indicating instrument for abusive field work and all silver-plated parts are Rhodium flashed to minimize corrosion.

INDIVIDUAL SPECIFICATIONS

Model	Frequency Range	Loaded Q	Length	Depth	Width	Net Weight
#131	2400—3400 MC	1000	6"	3¼"	5½"	3½ lbs.
#232	1800—3800 MC	1000	8"	2¼"	7¾"	2½ lbs.

MICROWAVE COMPONENT AND SYSTEM DEVELOPMENT

Amerac is continuously engaged in new development work on both components and complete RF Systems. Latest Amerac designs are utilized and, when required, special units are designed to meet specific requirements. Many recent developments, both Amerac and customer inspired, have brought forth improved equipment, components, and systems which are not, as yet, fully catalogued. However, full information is readily available on direct request to Amerac Engineering.

DEVELOPMENT ENGINEERING Amerac MICROWAVE SPECIALIST

Amerac, INCORPORATED

DUNHAM ROAD • BEVERLY, MASSACHUSETTS

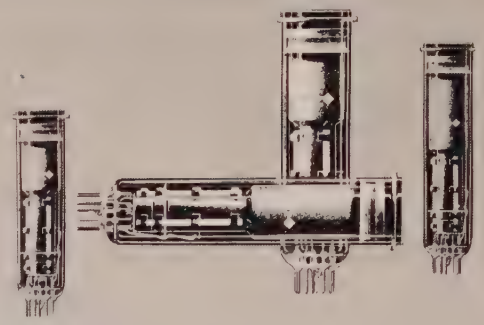
EXIT 9, ROUTE 128

Research . . .

VIDICONS High sensitivity vidicon tubes responding to all parts of the spectrum are available in addition to standard tubes sensitive to visible light. GEC is pioneering further in vidicon research . . . particularly in near and far infra red.

FEATURES:

- 1 in. and larger sizes.
- Either magnetic or electrostatic deflection and focus.
- Electron optics designed for high resolution.
- Low power heaters.
- Patented internal construction allows operation in any position.



SCAN CONVERSION The GEC Scan Conversion Tube is a storage device with variable erase time, capable of simultaneous reading and writing. Its resolution capability is in excess of 1000 TV lines. The tube is designed using a precision molded hard glass envelope which makes possible extremely accurate alignment of both guns in relation to the storage surface.

FEATURES:

- Overall length . . . 24 in. *Information on smaller sizes available on request.*
- Either magnetic or electrostatic deflection and focus.
- Signal to noise ratio in excess of 15 to 1.

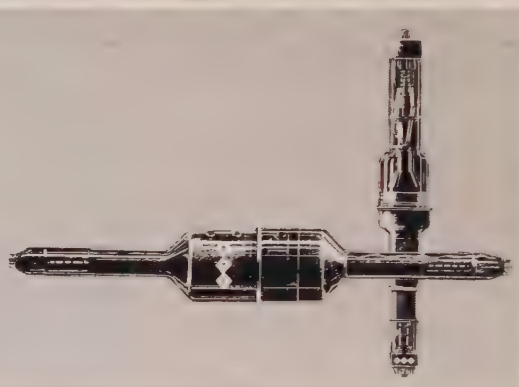


IMAGE CONVERSION GEC's Image Conversion Tubes are designed using precision molded hard glass envelopes. Types are available which are sensitive to all parts of the spectrum and of rugged construction. They have been designed to give stability of operation, and characteristics are such that optimum operation is possible under portable conditions and severe environments.

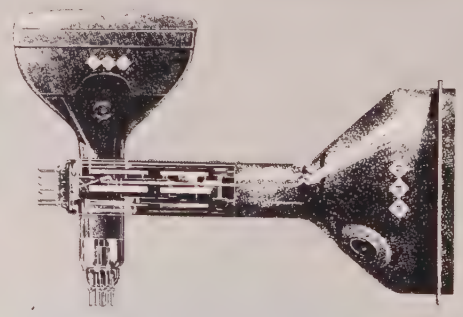
FEATURES:

- Types: 6914 and 6929.
- Electrostatic focus.
- High resolution.

DISPLAY TUBES Because of the many combinations of features found in GEC Display Tubes, many special tasks have been performed for GEC Customers. A variety of needs can be met by utilizing our proven capabilities.

FEATURES:

- Standard phosphor, transparent phosphor, and dark trace tubes.
- High resolution; precision alignment.
- Flat and spherical faces; metalized.
- Electrostatic and magnetic deflection and focus.

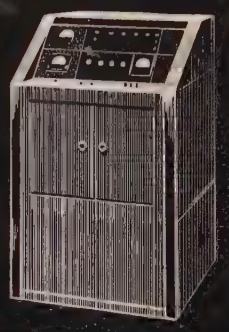


working for you...

GEC's Electronic Equipment Division offers a series of special television systems and industrial electronic devices, uniquely planned and carefully engineered to suit the needs of the most exacting user. The staff of GEC includes engineers of wide experience in television, transistor application, and high power radio-frequency generation. We invite your inquiry for further information regarding your special requirements.

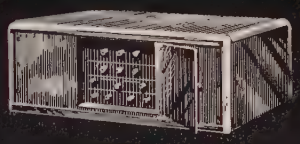
PLASMATHERMAL FUSION

A line of high-frequency generating equipment for fixing xerographic or electrostatically printed images by exposure to a region of carefully controlled corona discharge — a process which has been pioneered and developed by GEC.



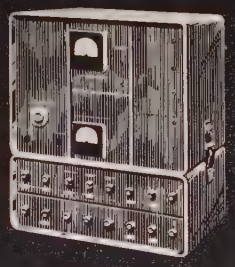
SCAN CONVERTER

A transistorized system for conversion of television images from one scanning method to another, makes use of the GEC Scan Conversion Tube for transmission of pictures over narrow-band communication channels.



INDUSTRIAL R. F. GENERATORS

A truly modern approach to solving the problems of induction heating and dielectric heating, GEC R. F. Generators are available in the very highest powers. Our very extensive background in radio-frequency engineering is available to assist our customers in application of these methods.



FREQUENCY CONVERTER DEVICES

This line of equipment makes use of thyratron and solid-state devices for the production of low frequency R. F. energy for induction heating and other applications. Reduced costs and conservation of space characterize this unique approach to induction heating.

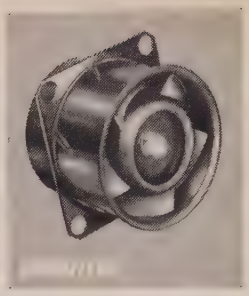
where tube research begins...

GEC GENERAL ELECTRODYNAMICS CORPORATION

4430 FOREST LANE • GARLAND, TEXAS • BROADWAY 6-1161

imc

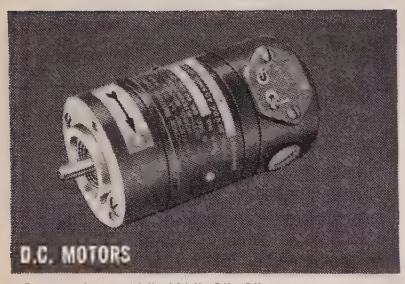
precisioneered motors



Centrifugal, propeller fan, vaneaxial. 1 cfm to 2000 cfm, pressures up to 20 in H_2O. High slip characteristic for altitude use. Non-stall vaneaxial characteristic powered by AC (60 - 400 cps) or DC.

SERVO MOTORS & SERVO MOTOR GENERATORS

Sizes 5 through 18.
Encapsulated for most rigid applications.
High acceleration at stall characteristic.
AVAILABLE WITH BROAD RANGE OF GEAR RATIOS.



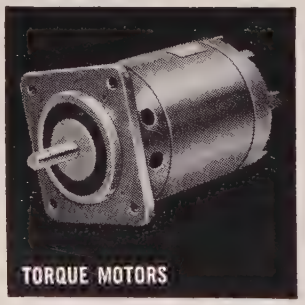
D.C. MOTORS

Frame sizes 1¼", 1½", 2", 3".
Permanent magnet or wound fields: shunt, series, or compound.
1/1000 to ½ H.P., 6V to 220V.
Gear reducers, clutches, radio noise filters.

HYSTERESIS MOTORS

SINGLE — DUAL — THREE & FOUR SPEED.
Ball Bearing or Sleeve Bearing
1/2500 H.P. to ¾ H.P. 60 - 400 cps.

Motors available with gear-clutch and brake.
Motor driven gear pump.
Governor controlled motors.



TORQUE MOTORS

1 oz. in. to 300 oz. in.
2 - 4 - 6 - 8 poles.
60 - 400 cycle, 24V to 230V.

IMC motors are manufactured to meet all MIL specs. and environmental conditions.

COAST TO COAST SERVICE

CALIFORNIA (L. A. Area)
PSP Engineering Co.
(Div. IMC Magnetics Corp.)
6058 Walker Avenue
Maywood, California
Ludlow 3-4785

CALIFORNIA (Northern)
Richard A. Strassner Co.
1557 No. Western Avenue
Los Angeles 27, California
Hollywood 3-5694

P. O. Box 927
Los Altos, California
Whitecliff 8-3334

CANADA
M. J. Howard Co., Ltd.
1168 Gertrude Street
Ottawa, Ontario
Parkway 8-2991

COLORADO, UTAH, WYOMING
E. K. Kelley
336 East 4th Street
Loveland, Colorado
Normandy 7-1376

E. PA., SO. N. J., MD., DEL. DIST. OF COLUMBIA, VA.
Paragon Sales Co.
111 South 22 Street
Philadelphia 3, Pa.
Locust 3-7060

FLORIDA, ALA., GA., & TENN.
Emory Design & Equip.
P. O. Box 9013
Birmingham 9, Alabama
Tremont 1-1369

P. O. Box 507
Bradenton, Florida
Bradenton 7-1707

ILLINOIS, IND., MILWAUKEE, WISC.
Mermac Sales Co.
4740 No. Austin Avenue
Chicago, Illinois
Kildare 5-1033

KANSAS, MISSOURI, IOWA
Design & Sales Eng.
7603 Forsyth Street
St. Louis 5, Missouri

LOUISIANA, OKLA., TEXAS
Southwest Elec. Ind.
The Meadows Bldg.
Dallas 6, Texas
Emerson 3-1671

3815 Richmond Avenue
Houston, Texas

METROPOLITAN N. Y., NEW JERSEY, & LONG ISLAND
The Ellis-Haber Corp.
11 Northern Blvd.
Great Neck, New York
Hunter 7-5145

MINNESOTA, WISC. (Except Milwaukee)
D. A. Schultz Co.
801 Southeast 8 Street
Minneapolis, Minnesota
Federal 9-7701

MASS. & NEW ENGLAND STATES
Gerber Sales Co.
48 Pearl Street
Brookline, Mass.
Beacon 2-2425

P. O. Box 2917
New Haven, Conn.
Spruce 7-6279

6 North Main Street
East Longmeadow, Mass.
Laurel 5-3059

NEW YORK
Frank W. Taylor Co.
4455 East Genesee Street
Box 222
DeWitt, New York
Gibson 6-0422

OHIO, MICHIGAN
B. E. K. Associates
P. O. Box 53
Dayton View Station
Dayton 6, Ohio
Crestview 8-1343

WASHINGTON, OREGON, IDAHO, MONTANA
Shaffer & Nelson
312 Occidental Avenue
Seattle 4, Washington
Mutual 2-0186

1001 S. E. Water Avenue
Portland 14, Oregon
Belmont 4-7437

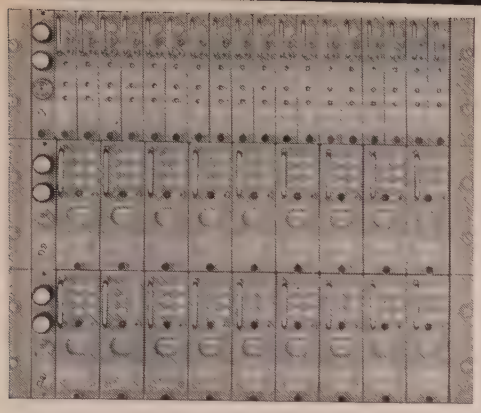
imc Magnetics Corp.
570 MAIN STREET/WESTBURY, L. I./NEW YORK

GRAY & KUHN, INC.
GK
WESTBURY, NEW YORK

PSP ENGINEERING CO.
PSP
MAYWOOD, CALIFORNIA

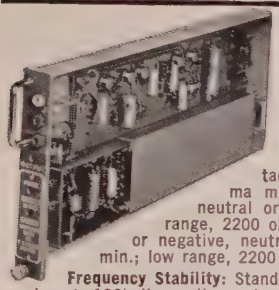
Induction Motors of California
MAYWOOD, CALIFORNIA

Northern Radio TRANSISTORIZED Voice Frequency Carrier Telegraph Systems



18 CHANNELS IN ONLY 15¾" PANEL SPACE

Top shelf shows 18 FS Tone Keyers, Type 211, Model 1; Next 2 shelves contain 9 each FS Tone Converters, Type 212, Model 2.



FREQUENCY SHIFT TONE KEYER

Type 211, Model 1

Keying inputs, levels and impedances: 1: Contact keying (internal battery to "dry" contacts) 1 ma min.; 2. DC current pulses, positive or negative, neutral or polar; high range, 220 ohms, 30 ma. min; low range, 2200 ohms, 0.5 ma. min.; 3. DC voltage pulses, positive or negative, neutral or polar; high range, 100,000 ohms, 10 volts min.; low range, 2200 ohms, 1 volt min.

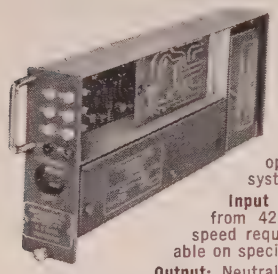
Frequency Stability: Standard Networks ± 2 cps total for all causes including ± 10% line voltage change and ± 25°C. from 25°C. temperature change.

Output Frequencies: All standard VF carrier channels from 425 to 3315 cps. Bandwidth dependent on keying speed requirements. Other frequencies and bandwidths available on special order.

Output Level and Impedance: 5 dbm maximum, into 600 ohms, unbalanced. May be paralleled with any number of other Keyers operating on different frequencies in the same audio system.

Power Requirements: 14 V DC, 15 MA. Two transistorized power supplies and one automatic change-over relay are mounted on the rear of each mounting shelf.

Dimension: ⅞" wide x 5¼" high x 10½" deep.



FREQUENCY SHIFT TONE CONVERTER

Type 212, Model 2

Input Level and Impedance: —48 dbm to +8 dbm into 600 ohms, unbalanced. May be paralleled with any number of other converters operating on different frequencies in the same audio system.

Input Frequencies: All standard telegraph VF channels from 425 to 3315 cps.. Bandwidth dependent on keying speed requirements. Other frequencies and bandwidths available on special order.

Output: Neutral DC voltage pulses of 5 volts maximum across a 2000 ohm external load. Polar pulses ± 10 volts across a 2000 ohm external load. Output drives appropriate voltage-to-current converters, such as Northern Radio Type NRC 691 Transistor Relay which provides "Dry Contact" Keying to external battery supply.

Power Requirements: 14 V DC at 30 MA. Two transistorized power supplies and one automatic change-over relay are mounted on the rear of each mounting shelf.

Dimensions: 1⅞" x 5¼" x 11¾" deep. For rack mounting a number of these units, a shelf assembly is available accommodating nine (9) units in a panel height of 5¼".

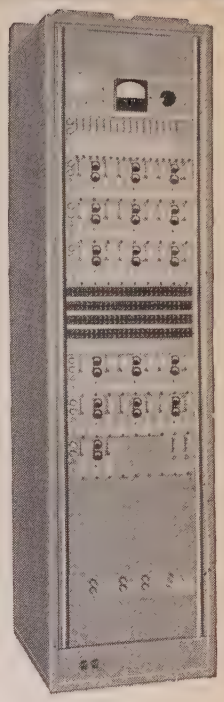
LINE BATTERY P.S. PANEL

The Northern Radio Line Battery Power Supply Panel, Type 227 Model 1, is used as a source of DC power for teleprinter, telegraph and similar circuits. It is equipped with two (2) Type 228 Model 1 Power Supplies, to provide DC requirements for a group of eighteen (18) or less teleprinter channels. The two Power Supplies are normally mounted on the Line Battery Power Supply Panel, Type 227 Model 1, with one Supply operating and the second "standing-by." An automatic transfer circuit is provided on the panel to place the "stand-by" unit in operation should the first supply fail. The Line Battery Power Supply Panel, Type 227 Model 1, is 3½" high x 19" long. The AC input and DC output circuits are isolated from each other and also from chassis so that either side of the circuit may be grounded, or left ungrounded as may be determined.

Technical Data:
AC Input: 115/230 volt. 50/60 cycles AC ± 10%. Output Voltage: 120 volts DC nominal. Maximum Output Current: 1.2 amperes. Maximum Output Ripple Voltage: 2%.

16-CHANNEL DIVERSITY SYSTEM

- **Diversity switching sensitivity from —60 dbm to 0dbm**



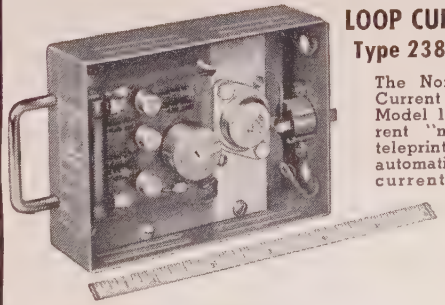
The Northern Radio Voice Frequency Telegraph Terminal, Type 235 Model 1, is a multi-channel frequency shift communications terminal used for transmission and reception of telegraph, teleprinter or telemetering signals over channels subject to fading or attenuation changes, such as long distance point-to-point radio circuits. It provides the necessary equipment for transmission of 16 intelligence channels over one (1) voice frequency circuit, and diversity reception of 16 similar channels, received through two (2) voice frequency circuits. The two (2) voice frequency receiving circuits are normally obtained from radio receivers arranged for space diversity reception. Means are provided to allow reception on a frequency diversity basis rather than space diversity. A combination of space and frequency diversity may be utilized for maximum reliability, when conditions are such as to require same. All the necessary equipment may be mounted in approximately ⅔ of one standard 7-foot telegraph rack.

PRINTER RELAY

Type 237, Model 1

The Northern Radio Printer Relay, Type 237 Model 1, is used as a coupling device between a DC teleprinter signal loop and the printer selector magnet. It replaces electro - mechanical signal relays and their associated local DC power supplies normally used with printers, providing the advantages of relays and improving printer performance but eliminating the maintenance problems which electro - mechanical relays introduce.

This device effectively isolates the reactance of the printer selector magnet, presenting a resistive termination to the signal loop. Several printers equipped with this device can, therefore, be connected in series with the same signal loop without harmful interaction between them. The Printer Relay may be used with either polar or neutral keyed signals. When neutral signals are supplied, the device automatically selects the proper operating level for the loop current supply, and can therefore tolerate large changes in absolute values of loop current without introducing appreciable distortion into the printer selector magnet. It normally mounts within the housing of the teleprinter.



LOOP CURRENT CONTROL

Type 238 Models 1 and 2

The Northern Radio Loop Current Control, Type 238 Model 1, is used as a current "normalizer" in DC teleprinter signal loops, to automatically maintain loop current at the optimum value despite changes in loop resistance or loop supply voltage.

The Loop Current Control, Type 238 Model 1, is designed for use in loops requiring a nominal 60 milliamperes operating current, while the Model 2 is designed for a nominal 20 milliampere circuit. Both models incorporate a calibration control to allow reasonable variations from these design values.

Input Impedance: Variable. Automatically changes as necessary to maintain "constant current" in the circuit to which connected. Maximum and minimum limit of operation are specified by allowable voltage drops across the terminals of the device.

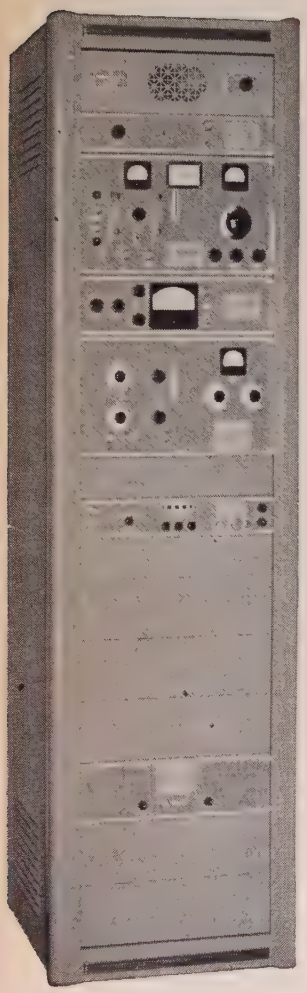
Voltage Limits: Maximum—80 volts; Minimum—5 volts.

Operating Currents: Model 1: 60 milliamperes (adjustable 55-75 milliamperes). Model 2: 20 milliamperes (adjustable 10-30 milliamperes).

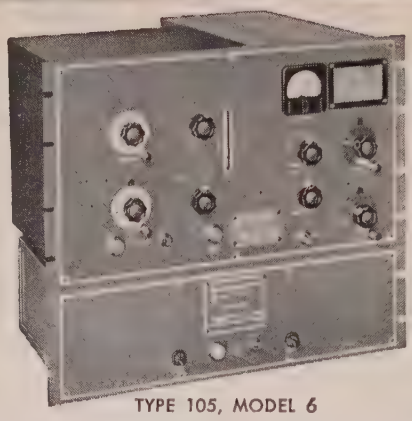
▶ TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

Northern Radio FREQUENCY SHIFT TERMINAL EQUIPMENT



TYPICAL TRANSMITTER TERMINAL for TWINPLEX OPERATION

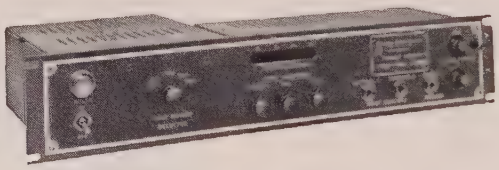


TYPE 105, MODEL 6

FREQUENCY SHIFT KEYER

Supersedes and replaces its leader predecessor, Type 105, Model 4.

- Highest stability achieved by any FS Keyer.
- Increased frequency range 1.0 to 7.0 mc.
- Pre-selection of proper FS for any particular transmitter frequency multiplication.
- Permits use with external oscillator without need of adapters.
- Improved accessibility for even easier maintenance.
- Direct-reading frequency calibration of shift from 0 to 1000 cps.
- FS dial adjusts "Mark" and "Space" frequencies equally above and below the carrier position.
- Direct-reading frequency calibration of mixer and output tuning dials from 1.0 to 7.0 mc.
- Direct reading calibration of output frequency vernier ± 600 cps.
- Pulse-shaping circuit permits operation within assigned band-width with no adjacent channel radiation.
- Linear carrier shift up to 1400 cps for Fax operations.



TWINPLEX COMBINER TYPE 177 MODEL 1

For twinplex operation, the transmitting terminal includes a Twinplex Combiner Type 177 Model 1.

The Twinplex communication system makes possible a 2-channel radio circuit whereby 2 non-synchronous or synchronous telegraph transmissions modulate a single radio carrier wave causing the carrier to assume one of four specific frequencies with 400 cps separations.

The Combiner converts the four possible conditions of two telegraph signals (M1-M2, M1-S2, S1-M2, S1-S2) respectively into one of four voltages related in a 0-1-2-3 manner. The Combiner output voltage modulates the Frequency Shift Keyer.

The two telegraph channels provide the same operational flexibility as that of two separate single channel FS systems. One can, for example, simultaneously use channel #1 on 60 wpm teletype and channel #2 on high-speed Morse or Time-Division Multiplex.

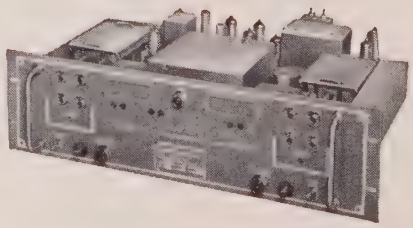
TECHNICAL DATA:

Keying Inputs: 1. Contacts; 2. DC current pulses, positive, negative, or polar; 3. DC voltage pulses, positive, negative, or polar.
Input Level: 1. DC Voltages: ± 10 volts minimum; 2. DC Current: ma. minimum.
Keying Speed: 240 Words per minute maximum.
Output Impedance: 10,000 ohms.
Keying Input Impedance: 1. DC Voltage: 100,000 ohms. 2. DC Current: 220 ohms.
Output Level: Neutral: 0 to 25 volts; Polar: +6 to −6 volts.
Output Voltage Conditions: Four output voltages are to be proportioned as follows assuming linear F.S. Keyer characteristic.
Input: M_1 M_2, M_1 S_2, S_1 M_2, S_1 S_2; Output 0, 1, 2, 3.
Individual level adjustments provided.
Power Requirements: 100/220 volts, 50/60 cycles. Approximately 50 watts. Connections at rear of chassis.
Dimensions: 3½" High x 19" Wide x 10" Deep.

This new Regenerative Repeater—the most advanced in the industry—is designed for use in telecommunication circuits to re-shape and re-time distorted signals for local use or retransmission. Special provision has also been made for its use on half-duplex where it will not only regenerate the ordinary teleprinter signals but also faithfully reproduce such special signals "break" signals and "mark restoration" information. *Outstanding features include:* . . . maximum acceptable signal distortion; new circuitry accepts up to 47% mark or space distortion; "floating" input & output circuits; completely electronic output, no relays; greater timing circuit stability; time base derived from highly stabilized L-C oscillator; adaptable to any speed; low-pass filter & frequency-determining elements are plug-in units; completely self-contained: includes power supply & line battery.

TECHNICAL DATA:

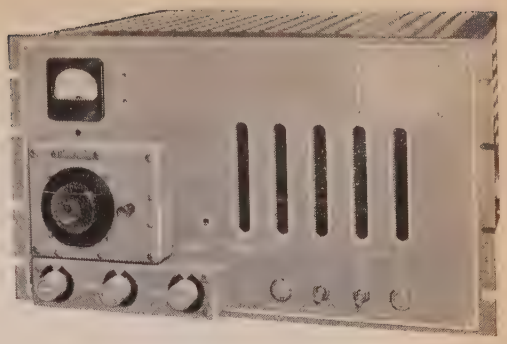
Input Keying Signal Requirements: (1) Neutral keying, positive or negative sense, (a) on-off 60 ma pulses, (b) on-off voltage pulses 10-100V into 100K ohms, (2) Polar keying, (3) Dry contact keying.
Frequency Stability of Time Base Generator: Less than 1 point range loss for ±10% line voltage variation or ±20° C ambient change from 25° C.
Sampling Time: Approximately 50 microseconds.
Output: Electronic tube outputs: (a) neutral 65 ma. max. into 2K ohms, (b) polar 33 ma (max.) into 2K ohms.
Power Requirement: 125 watts approx. 110/220V, 50/60 cps.
Mounting: Standard 10" rack mounting, 5¼" panel.



REGENERATIVE REPEATER

TYPE 207
MODEL 1

VARIABLE MASTER OSCILLATOR
TYPE 173 MODEL 1



The Northern Radio Company Variable Master Oscillator provides a continuously variable source of radio frequency energy with a stability of approximately 1 cycle per megacycle in the range of 2 to 4 megacycles. It may be used as the basic control oscillator for diversity receivers, high frequency transmitters and other communications devices, or as a laboratory standard for test and measurement functions.

Its ease of operation and direct reading of frequency make it an outstandingly useful device where precise frequency control must be maintained by completely unskilled personnel. No curves, interpolations or calculations of any kind are required in its use. Frequency is set approximately to the desired value by rotating the oscillator dial. The last three digits of the frequency automatically pulls in to the valve pre-set on the switches and holds with an accuracy that exceeds that of most temperature-controlled crystal oscillators.

HIGH FREQUENCY OSCILLATOR

Output Frequency: 2-4 MC continuously variable.

Stability for any combination of temperature range from 0 to 50° C, and line voltage of 115 to 230 ± 10%: Approximately 1 cycle per megacycle.

Output level: ½ watt into 75 ohm load. Lever control on rear of chassis.

Readability: ± 2.5 cycles per second. Direct digital readout on mechanical and electronic counters.

Resettability: Absolute.

BEAT FREQUENCY OSCILLATOR

Output Frequency: 400-800 KC crystal controlled.

Output Level: 3.5 volts into 1000 ohm load. Level control on rear of chassis.

TIME BASE CRYSTAL OSCILLATOR

Output frequency 100 KC

Stability for 0 to 50° C and ± 10% Line Voltage change: 0.2 part per million for any 12 hour period; 1.0 par million for thirty days.

Output Level: Approximately 2 volts.

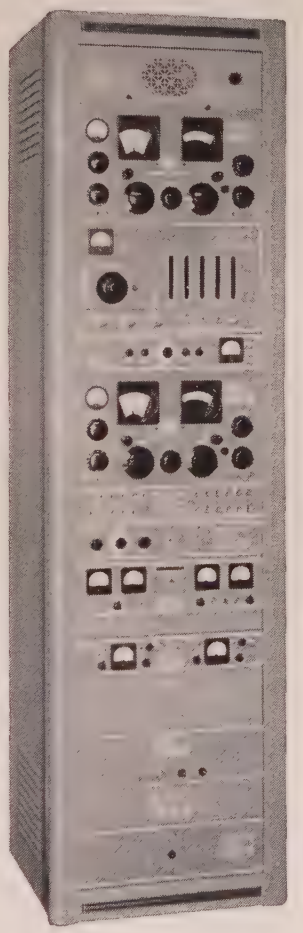
Output Impedance: Approximately 100,000 ohms.

TWINPLEX CONVERTER
TYPE 178 MODEL 1

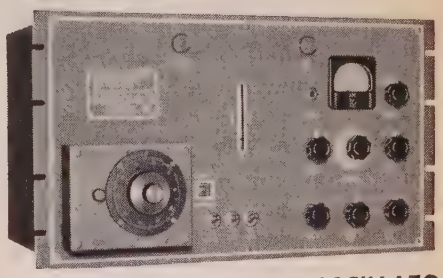
This Twinplex communication system makes possible a 2-channel radio circuit whereby 2 non-synchronous or synchronous telegraph transmissions modulate a single radio carrier wave by causing the carrier to assume one of four specific frequencies with 400 cps separations.

The receiving equipment consists of the Twinplex Converter Type 178 Model 1 and a single or diversity receiver such as the Northern Radio Type 110 Dual Diversity Receiving System. The Converter demodulates and separates the four audio tones from the radio receiver(s) into two channels each carrying the originally transmitted intelligence. The Twinplex Converter replaces the standard FS Converter for this purpose.

The two telegraph channels provide the same operational flexibility as that of two separate single channel FS systems. One can, for example, simultaneously use channel #1 or 60 wpm teletype and channel #2 on high-speed Morse or Time-Division Multiplex. It further permits the reception of channel #1 signals on all standard FS converters (tunable to 400 cps shift) without need for a Twinplex Converter: this is valuable for "Forked Circuit Operation" where the intelligence of channel #1 is intended for pick-up by other receiving stations which are not equipped for Twinplex Reception in addition to the main receiving stations which are so equipped. Reception of channel #2 (or of both channels) requires the receiving end to be equipped with a Twinplex Converter.

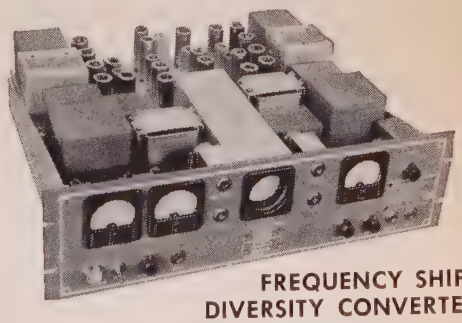


TYPICAL RECEIVER TERMINAL for TWINPLEX OPERATION



VARIABLE MASTER OSCILLATOR
TYPE 115, MODEL 1

The Variable Master Oscillator Type 173 (above) may be replaced by this Variable Master Oscillator Type 115 Model 1 which is designed principally for use in diversity reception to supply variable or crystal HFO voltage to the receivers. Its variable frequency has a stability equivalent to that obtained by non-temperature-controlled crystal oscillators. It also provides 3 HFO crystals for operation of diversity receivers where fixed fequencies are required, and 2 BFO crystals.



FREQUENCY SHIFT DIVERSITY CONVERTER
TYPE 174, MODEL 1

For use with either single-receiver frequency diversity systems or 2-receiver space diversity systems. By means of plug-in units, any reasonable number of channels is available between the frequencies of 425 and 3315 cps for either frequency or space diversity operation. For standard FS operation, the plug-in networks provide shift adjustments from 100 to 1000 cps shift.

Normal Input Level:—40 to +10 VU (Zero VU = IMW into 600 ohms). (Satisfactory operation on fades to —60 VU.)

Limiter Recovery Time: Negligible for a 40 VU differential between Mark and Space frequencies.

Output: 65 ma into 2000 ohms floating (self-contained line battery).

Keying Speed: Maximum of 40 dot cycles with narrow band frequencies diversity. Up to 400 dot cycles with the wide band networks.

Monitor: 2-inch Cathode Ray tube
Input phone jack
2 input volume level indicators
1 output current indicator

Pace-Setters in Quality Communication Equipment

NORTHERN RADIO COMPANY, inc.

147 WEST 22nd ST., NEW YORK 11, NEW YORK

In Canada: Northern Radio Mfg. Co., Ltd., 1950 Bank St., Billings Bridge, Ottawa, Ontario.

SWEEP GENERATORS

Telonic®

INDUSTRIES INC.

The ultimate check on RF circuit quality is frequency response. Telonic Sweep Generators permit accurate, rapid measurements of frequency response under both laboratory and production-line conditions.

A Telonic Sweep Generator scans the entire frequency range in a 60th of a second, replacing the tedious point-to-point testing normally required. At the same time, the amplitude of the swept signal is precisely controlled to produce a constant voltage input to the circuit under test.

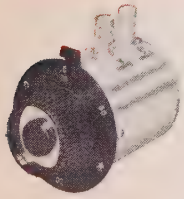
The circuit output is normally demodulated and presented as a continuous oscilloscope trace. Precision attenuators allow quantitative measurements of the results. Internal and external markers provide automatic frequency calibration. Telonic Sweep Generators may be used to perform rapid frequency-response tests on filters, mixers, amplifiers, and a wide variety of other RF circuits.

GENERAL SPECIFICATIONS

Flatness.....5%
Zero Base Line.....Oscillator off during return sweep
Sweep Rate.....Line frequency (50-60 cps)
Horizontal Sweep.....20 volts
Vernier Attenuation.....0-10 db.
Physical Description.....Panel—⅛" x 8¾" x 19"
Chassis — 2" x 14½" x 17"

Power.....115 v. 50/60 cycle, approx. 120 watts
Display Linearity.....Better than 1.2:1
Radiation.....Less than 10 microvolts
Source VSWR.....Below 1.3:1
Markers.....Birdy-By-Pass Marker System
Variable Markers.....Available on LD, LR, SD & ED Models

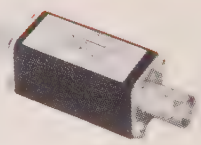
Model	Center Frequency	Sweep Width	Range	Attenuation (db) (T) Turret (S) Toggle Switch	Output (into 50 ohms)	Remarks	Bulletin Number	Price List
HD-1A	1-400 mc 400-900 mc	200kc-200 mc 0-10%	1-910 mc	T-0, 10, 20, 30, 40, 50	.75, p to p 2V, p to p	Lo band heterodyne Hi band fundamental	T-209	$ 595.00
HD-3	1-200 mc	200kc-200 mc	1-300 mc	T-0, 10, 20, 30, 40, 50	.75, p to p	Heterodyne type — wide sweep width and tunable center frequency	T-210	835.00
HD-4	10kc-10 mc	25kc-10 mc	10kc-15 mc	S-20, 20, 20, 10, 6, 3	1V, p to p	Video sweep — wide or narrow applications	T-213	695.00
HD-7	100kc-75 mc	250kc-50 mc	100kc-100 mc	S-20, 20, 20, 10, 6, 3	1V, p to p	Video and IF frequencies Higher video and IF frequencies		
LD-3	4-15 mc	.05-40% of CF	3.5-17.5 mc	S-20, 20, 20, 20, 20, 10, 5, 3, 2, 1	1uV-1V, RMS	Electronically swept • Fundamental frequency type • Wide range of output levels • Exceptionally stable, flat and free from spurious content	T-214	695.00
LD-4	10-35 mc	.05-40% of CF	9-40 mc					
LD-5	20-75 mc	.05-40% of CF	16-90 mc					
LD-6	50-125 mc	.05-30% of CF	45-140 mc					
SD-1	100-220 mc	.05-30% of CF	85-235 mc	T-0, 10, 20, 30, 40, 50	.75V, RMS	Capacitive sweep Center frequency tuning Exceptionally flat VHF — UHF — low microwave applications	T-207	745.00
SD-2	215-450 mc	.02-10% of CF	200-460 mc	T-0, 10, 20, 30, 40, 50	.75V, RMS			
SD-3	440-920 mc	.01-6% of CF	425-930 mc	T-0, 10, 20, 30, 40, 50	.75V, RMS			
SD-4	950-1250 mc	.01-4% of CF	925-1260 mc	T-0, 10, 20, 30, 40, 50	.75V, RMS			
ED-1A	1000-1700 mc	.25-100 mc	975-1515 mc	Vernier 0-10db	.25VRMS	Output is result of 2nd harmonic generation and filtering — and thus these ranges are obtained from the highly reliable SD type of oscillator	T-216	1495.00
ED-4A	1700-2500 mc	.25-100 mc	1675-2320 mc					
PD-1	5-50 mc	0-20%	4.2-53 mc	Vernier 0-10db	2 watts into 50 ohms	HI POWER SWEEP Generator excellent for FILTER and RF transmission line and antenna testing	T-217	2450.00
PD-2	20-100 mc	0-20%	17-105 mc					
PD-3	100-250 mc	0-20%	85-260 mc					
PD-4	250-500 mc	0-20%	210-520 mc					
PD-5	300-600 mc	0-20%	250-625 mc					
PD-6	500-1000 mc	0-15%	450-1010 mc					
SV-6 Series	VHF Channels	Television Production	VHF and UHF TV PRODUCTION SWEEP GENERATORS — Telonic Sweep Generators are used universally by almost every television manufacturer in the United States and overseas. Numerous models with unique features and special accessories are available.				T-203A	695.00



Model TA-50—$65.00

THE TELONIC MODEL TA-50 TURRET ATTENUATOR is a highly accurate, six-position unit providing 0, 10, 20, 30, 40 and 50 db attenuation of RF signals from DC to 900 mc and above.
Other Telonic Turret Attenuators are available that provide accurate attenuation in the 0-5, 0-10 and 0-25 db ranges.

BULLETIN No. T-212



Model XD-3—$35.00
Model XD-8—$45.00

Telonic RF Detectors are used whenever the circuit under test lacks "built-in" demodulation or "look" points. The Telonic RF Detectors are available in a wide range of impedance values. Model XD-3 is a 1-1250 mc detector generally recommended for use with the HD-1, HD-3 and SD Telonic Sweep Generators. Model XD-8 is recommended for use with the HD-4, HD-7 and LD Telonic Sweep Generators.

BULLETIN No. T-204

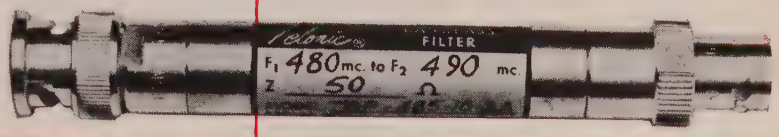
Telonic INDUSTRIES, INC. BEECH GROVE, INDIANA

RF FILTERS

Telonic®
ENGINEERING CORPORATION

MINIATURE LOW PASS — **TLP Series**

MINIATURE BAND PASS — **TBP Series**



TELONIC TLP-4 Miniature Low Pass Filters are available at any cut-off frequency from 200 to 2000 mc. in 5 mc increments. The filters feature an exceptionally rugged mechanical design, making them ideally suited to missile and other military applications. At the same time, the inherent simplicity of the units makes them appropriate for general laboratory and commercial uses where low-cost, dependable performance is a prerequisite.

TYPICAL SPECIFICATIONS FOR A 4-SECTION LOW PASS FILTER

CUTOFF FREQUENCY	200-2000 mc., measured at point where insertion loss equals 1.5 db.
PASS BAND ATTENUATION	Less than 1.5 db
STOP BAND ATTENUATION	Over 50 db. at 1.65 xFco. and above; over 30 db. at 1.4xFco.
PASS BAND VSWR	Less than 1.5:1
IMPEDENCE	50 ohms
MAXIMUM POWER INPUT	Over 15 watts
CONNECTORS	Type BNC (Standard
MATERIAL	German Silver
WEIGHT	Approximate 5 ounces

HOW TO SPECIFY TELONIC FILTER

Filter model numbers indicate type of filters, cut-off frequency, number of sections, and type of connectors.

EXAMPLE:

TLP — Telonic Low-Pass Filter
275 — 275 mc cut-off frequency
4 AB — Connectors; Number of sections

TLP low pass filters $75.00 down to $22.00 depending on type and quantity

BULLETIN NO. T 211A

TELONIC TBP BAND PASS FILTERS cover the frequency range from 200 mc to 2000 mc. Bandpass may be set at any value between 2.5% and 25%. The number of sections may be varied from 2 to 4, depending upon the bandpass and rejection requirements. The electrical performance of the filters corresponds to resonant cavities or tank circuits having unloaded Q's of over 200. The D.C. resistance of the filters is essentially infinite both to ground and from input to output.

TYPICAL SPECIFICATIONS FOR A 4-SECTION BAND PASS FILTER

CENTER FREQUENCY	200-2000 mc.
PASS BAND WIDTH	2.5-25%
PASS BAND ATTENUATION	0.5DB ±.2 db per section at 3% B.W. — 0.2 ±.1 per section at 12.5% B.W.
PASS BAND VSWR	Less than 1.5:1
IMPEDANCE	50 ohms
NOMINAL POWER INPUT	Over 15 watts
CONNECTORS	Type BNC, TNC or N
MATERIAL	18% Silver Nickel
WEIGHT	Approximately 5 ounces

HOW TO SPECIFY TELONIC FILTER

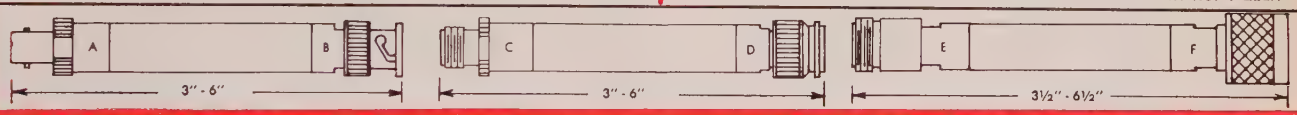
Filter model numbers indicate type of filters, center frequency, bandwidth, number of sections, and type of connectors.

EXAMPLE:

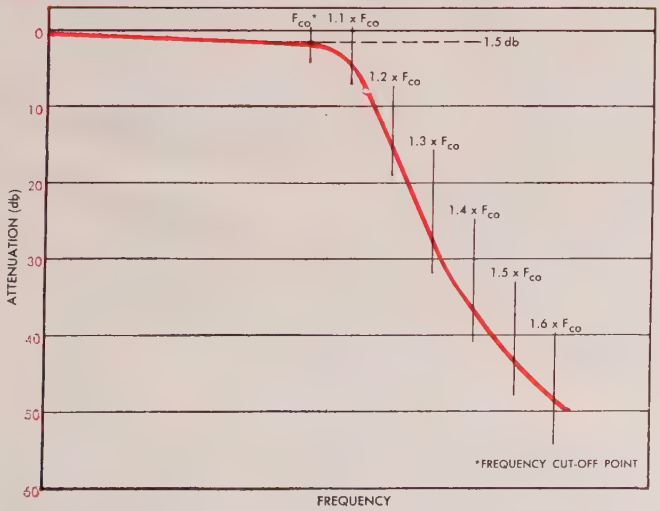
TBP — Telonic Band Pass Filter
275 — Center Frequency — 275 mc
10 — Bandwidth
4 AB — Connectors; Number of Sections

TBP band pass filters $125.00 down to $30.00 depending on type and quantity

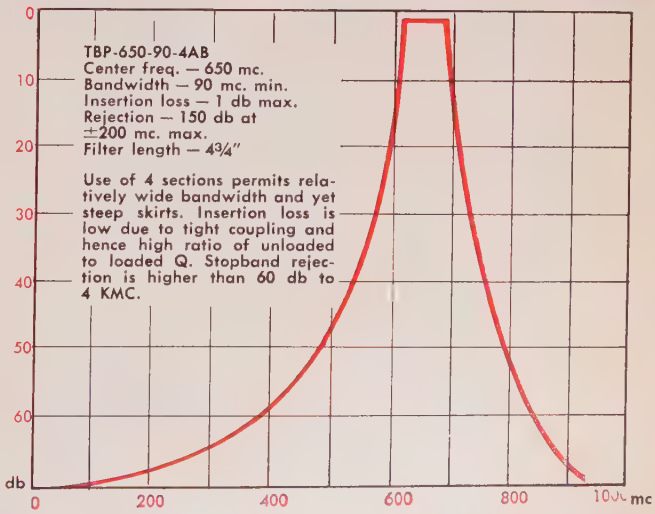
BULLETIN NO. T 211A



CHARACTERISTIC PERFORMANCE CURVE FOR TLP-4 FILTERS



RESPONSE CURVES OF TYPICAL TELONIC MINIATURE BAND PASS FILTERS

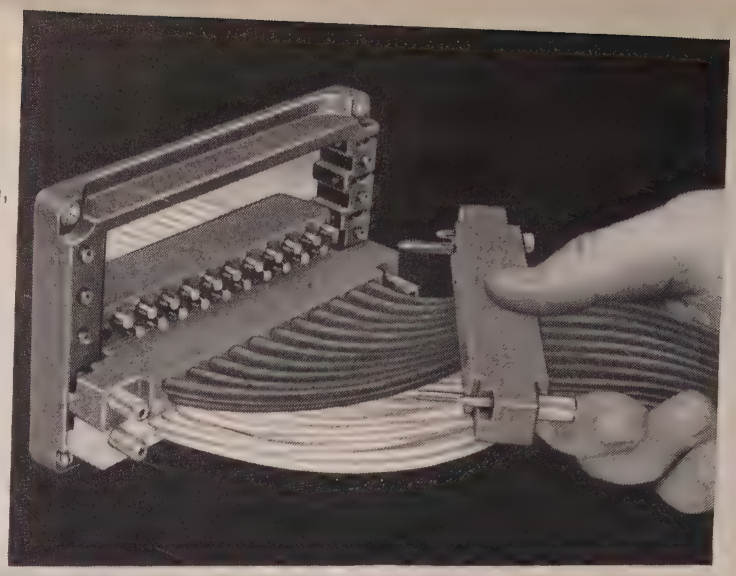


Telonic ENGINEERING CORPORATION, LAGUNA BEACH, CALIFORNIA

HYFEN®
connector
with crimp-type, snap-locked contacts

Makes possible the design of lighter and more compact equipment. Each insert holds 35 contacts. Frames available for 5 or 8 inserts.

Contacts and inserts for miniature coaxial cable also available.



crimp-type

MODULAR ELECTRICAL CONNECTORS

IN 3 NEW BASIC TYPES

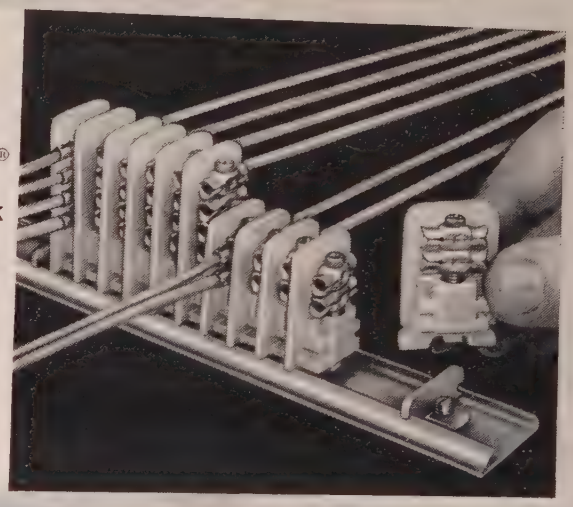
Modular units by Burndy provide versatile, rapid and reliable answers to the problem of connecting a multiplicity of wires in relatively limited spaces. Crimped contacts — installed with any of several hand, pneumatic, semi-automatic or automatic tools—can be removed, re-inserted or replaced, providing the most complete flexibility in the connector field. Computers, ground-based radar, missile ground controls, and instrumentation are typical applications for Burndy modular connectors.

quick-disconnect or permanently connected

MODULOK®
terminal block

True versatility in a terminal block. 30 modules (2 or 4 tier) per foot. Twist of a screwdriver transforms quick-disconnect contacts to permanent connections.

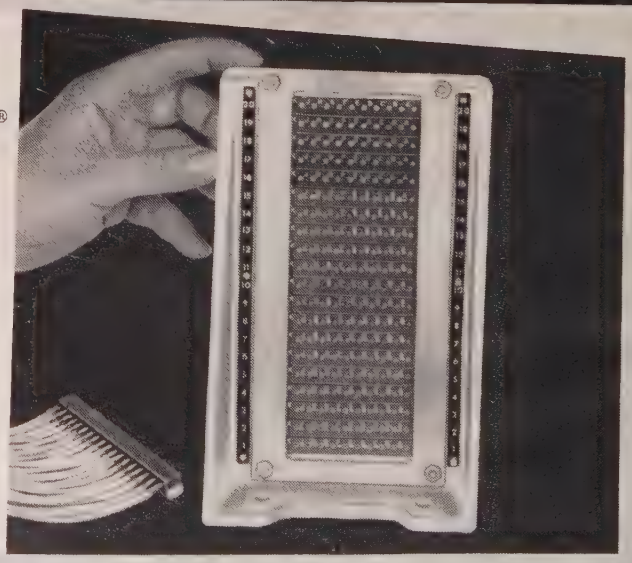
Modules and contacts for coaxial cable also available.



crimp-type, solid-shank

STAPIN®
taper pin contacts

Another Burndy contribution to the modular concept of assembling standard units to provide custom-fitted end products.



For complete information, write: **OMATON DIVISION**

BURNDY

NORWALK, CONNECT. B.I.C.C. — Burndy, Prescot, Lancs., England In Continental Europe: Antwerp, Belgium TORONTO, CANADA

60-3

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

Bendix

This is a general introduction to Eclipse-Pioneer's extensive line of precision components for servomechanism and computing equipment. Specific mechanical and electrical characteristics, schematics, installation instructions, and detailed descriptions are included in individual specification sheets available on request.

PRECISION COMPONENTS FOR SERVOMECHANISM AND COMPUTING EQUIPMENT

AUTOSYN* SYNCHROS | COMPONENT PACKAGING | PRECISION GYROS | RADAR ANTENNA DEVICES | MOTORS AND GENERATORS

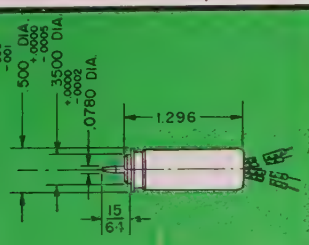
SYMBOL	
●	CORROSION RESISTANT
▲	STANDARD CONSTRUCTION
■	HIGH TEMPERATURE

AUTOSYN* SYNCHROS

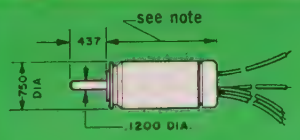
Checkmarks indicate the units already designed and tooled for a wide range of application. Other production units, incorporating design variations, are under development. Eclipse-Pioneer facilities are available to design, tool, and produce specialized units for your specific requirements.
*Registered Trademark of Bendix Aviation Corporation

	SIZE 5 AY-700 SERIES			SIZE 8 AY-300 SERIES			SIZE 10 AY-500 SERIES			SIZE 11 AY-190 AY-600 SERIES			SIZE 15 AY-200			SIZE 22 AY-400 SERIES		
	●	▲	■	●	▲	■	●	▲	■	●	▲	■	●	▲	■	●	▲	■
TORQUE TRANSMITTER (Single Power)				●			●	▲	■	●	▲	■	●	▲	■			
TORQUE TRANSMITTER (Multi-Power)							●			●	▲		●	▲	■	●	▲	
CONTROL TRANSMITTER (Single Power)	●			●			●	▲	■	●	▲	■	●	▲				
CONTROL TRANSMITTER (Multi-Power)				●			●			●			●	▲		●	▲	
TORQUE RECEIVER (Standard)				●			●	▲			▲			▲				
TORQUE RECEIVER (Hi-Power)							●				▲							
CONTROL TRANSFORMER (Medium-Z)	●			●			●	▲	■	●	▲	■	●	▲				
CONTROL TRANSFORMER (High-Z)				●			●	▲		●			●	▲				
DIFFERENTIAL (Synchronous Application)										●			●	▲		●		
DIFFERENTIAL (Servo Application)	●			●			●	▲		●			●	▲		●		
RESOLVER — Synchro (Transmitter)				●			●	▲		●			●	▲				
RESOLVER — Synchro (Control Transformer)				●			●	▲		●			●	▲				
RESOLVER — Computing (Omni-Application)							●	▲		●			●	▲				
RESOLVER — Computing (High Frequency)							●	▲					●	▲				
RESOLVER — Computing (High Accuracy ERROR 4′ OR LESS)							●			●			●			●		
RESOLVER-Computing (Avg Accuracy ERROR 10′ OR BETTER)	●			●			●	▲					●	▲		●		
RESOLVER — Compensating Windings							●						●					
LINEAR SYNCHRO (±60°) Range							●						●					
LINEAR SYNCHRO (±30°) Range							●						●					
VARIABLE TRANSFORMER													●					

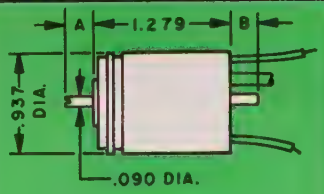
Eclipse-Pioneer also manufactures size 18, Corrosion resistant, two-speed Transmitters and Control Transformers.



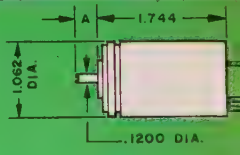
Size 5
For detailed electrical characteristics, consult individual specification sheets.



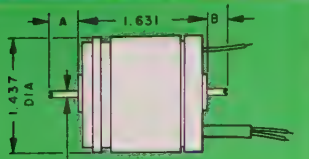
Size 8
Available in long housing length of 1.692″ or short housing length of 1.241″.
All are corrosion resistant.
Available with 0.090″ or 0.120″ dia shaft.



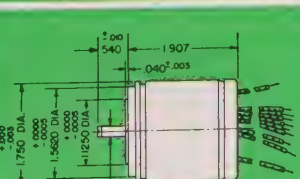
Size 10
Available with loose leads or terminal lugs.
For dimensions not shown, consult individual specification sheets.



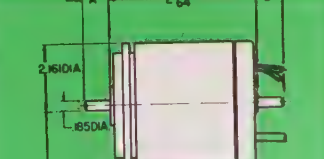
Size 11
Receiver not normally furnis in corrosion resistant const tion.
For dimensions not shown, c sult individual specificat sheets.
Available with leads or term boards.



Size 15
Available with leads or terminal boards.
For dimensions not shown, consult individual specification sheets.



Size 18
For detailed electrical characteristics, consult individual specification sheets.



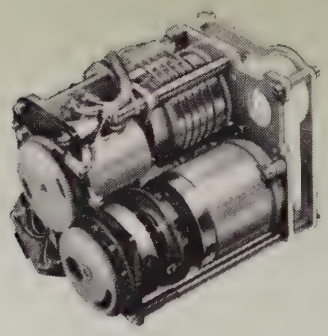
Size 22
Available with leads or terminal boards.
For dimensions not shown, consult individual specification sheets.

ALL UNITS EXCEPT SIZE 5 ARE AVAILABLE WITH DOUBLE-ENDED SHAFTS.

COMPONENT PACKAGING

Whatever the component packaging requirements, Eclipse-Pioneer probably has the solution in its extensive line by adapting past and current production packages to meet specific systems requirements.

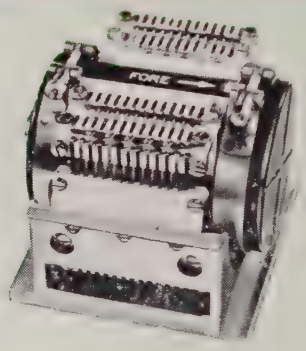
Should the problem be entirely new, Eclipse-Pioneer will design, develop, and produce a component or a complete system to solve the most intricate of problems.



FOLLOW-UP MECHANISM WITH CAM COMPENSATOR, basically designed for use in compass systems, has broad use in applications requiring a mechanical means of compensating or correcting the output data shaft in relation to either servo-loop errors, sensing errors, or known environmental factors. Adjustable from 0° to 9°, it eliminates adjustment of remotely placed or inaccessible units.

PRECISION GYROS

Still pacing the accelerating air age, and already launched into the widening space age, Eclipse-Pioneer produces a variety of gyros to meet all applications — basic vertical, rate, free, and directional — as reference components in complete navigation, radar, compass, automatic flight control, and guidance systems for aircraft and missiles.



MINIATURE VERTICAL GYRO TRANSMITTER is a two-degree-of-freedom gyro for accurate vertical reference in stabilization or control systems. It consists essentially of an electrically-driven, torque-erected, vertical-seeking gyro, with synchro-type pickoffs on the roll and pitch axes. — Electrolytic switch detectors — Hysteresis synchronous motor — Needs no erection amplifier — Hermetically sealed — Completely self-contained

RADAR ANTENNA DEVICES

Eclipse-Pioneer has integrated years of experience in servomechanisms and packaging techniques with specialized facilities to produce military and commercial radar antenna devices for a wide range of exacting requirements. The use of magnesium castings, an Eclipse-Pioneer exclusive, results in precise radar antenna devices, substantially lighter in weight, yet strong and durable to meet rugged environmental conditions. Eclipse-Pioneer will supply radar antenna devices to include only the mechanical drive, or to include the complete reflector assemblies and feed systems. These are manufactured in three general categories:

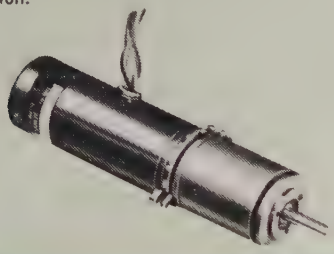
—Airborne weather and navigational radar, gyro-stabilized, and available with a variety of reflector sizes and scanning patterns for military and civilian aircraft.

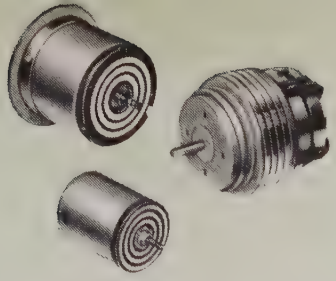
—Ground or trailer types for mortar and aircraft tracking, missile ranging, and countermeasures.

—Specialized devices and pedestals for specific applications.

AIRBORNE WEATHER RADAR ANTENNA is gyro-controlled for line-of-sight stabilization of the roll and pitch axes. Pilot can switch from pencil-beam storm detection operation to a cosecant squared ground mapping pattern for navigation. Available for operation in both C and X bands.

GEARHEAD MOTORS, comprised of a gearhead and a standard low inertia motor or motor damping tachometer combination, provide speed reduction and torque amplification with minimum space requirements and maximum flexibility. Quick connect and disconnect coupling features provide broad interchangeability of separately available gearheads and motors for desired combinations of reduction ratios, torques, and electrical characteristics. Gearheads are available in reduction ratios from approximately 5:1 to 80,000:1, in sizes 5, 8, 10, 11, and 15. Motors are described on the last page of this publication.

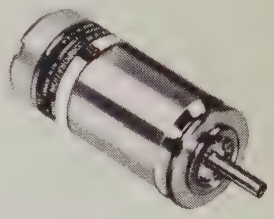




EXTERNAL SLIP-RING AUTOSYN* SYNCHROS permit rotation of the housing (stator) in addition to or instead of rotation of the shaft (rotor), to provide for the introduction of an additional variable into a system. The location and configuration of the slip rings depends upon the requirements of a particular application. Any of the Eclipse-Pioneer standard winding configurations and impedances can be provided in slip-ring configuration.

*Registered Trademark of Bendix Aviation Corporation

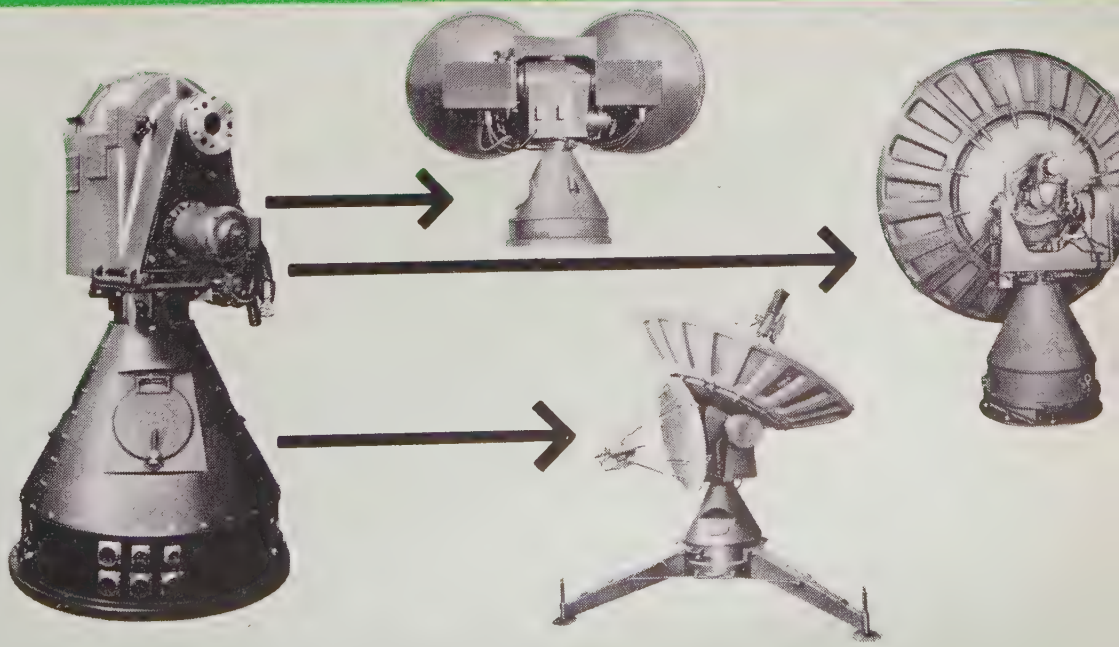
RESOLVER CHAINS developed by Eclipse-Pioneer utilize size 10 and smaller resolvers to solve coordinate transformation problems, with performance exceeding that of resolver chains utilizing size 23 resolvers and feedback buffer amplifiers. Eclipse-Pioneer's design philosophy is based on twenty years of resolver experience and upon the premise that all component parameters fluctuate with predictable variations in excitation, voltage, frequency, and ambient conditions, so that the resultant signal variations can be closely predicted through analysis.



CAGEABLE ROLL FREE GYRO is a two-degree-of-freedom gyro designed specifically for missile application. Its 350° F operating temperature permits location near the missile skin. — Solenoid-link, jam-proof caging mechanism — Caging at high roll rates — Operating temperature range from —55° F to +350° F

DIRECTIONAL GYRO TRANSMITTER is a miniature directional gyro that provides an output signal proportionate to the displacement of the outer gimbal with respect to the instrument case. — Roll brake prevents damage to gimbals during run-down — Clutching arrangement permits null reference heading without repositioning outer gimbal with respect to frame.

GROUND ANTENNA PEDESTAL is easily modified to a variety of radar antenna applications. Weighing only 700 pounds, it is readily transportable by air or land. With an accuracy better than 0.5 mils, it is already designed, tooled, and available for immediate needs. Basic pedestal design permits maximum flexibility in interchangeability of antenna configurations and mountings.



MOTORS AND GENERATORS

The general characteristics that follow cover each category collectively. Full information about specific types within each category is available on individual specification sheets. Eclipse-Pioneer will modify or design components to customers requirements.

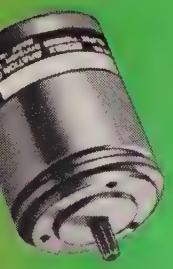
	FRAME SIZE						
	5	8	10	11	15	20	2
LOW INERTIA SERVO MOTORS	●	●	●	●	●	●	●
STEPPER MOTORS		●	●	●	●		
SERVO AND STEPPER MOTOR COMBINATION		●	●	●	●		
MOTORS — CENTER-TAPPED AND SPLIT PHASE WINDINGS	●	●	●	●	●	●	●
TACHOMETER GENERATORS — DAMPING		●	●	●			
MOTOR TACHOMETERS — TEMPERATURE COMPENSATED AND INTEGRATING		●	●	●	●	●	●
TACHOMETER GEN. — TEMPERATURE COMPENSATED AND INTEGRATING			●	●	●	●	
MOTOR DAMPING TACHOMETER		●	●	●		●	●

LOW INERTIA SERVO MOTORS

- Fixed Phase: 18 to 115 volts
- Control Phase: 18 to 230 volts
- Maximum Power Input: 3 to 70 watts
- No-load Speed: 3600 to 10,000 RPM
- Maximum Torque: 20 oz-in.
- All types are corrosion resistant
- Specific types are provided with drag cups, various types of shaft configuration, and extended ranges of temperature operation.

TACHOMETER GENERATORS — DAMPING

- Excitation: 18 to 115 volts
- Output per 1000 RPM: 0.34 to 0.55 volts
- Linearity: 0.5% to 4000 RPM
- Temperature Range: −55°C to +125°C



STEPPER MOTORS

- Operation Range: 10 to 50 volts
- Pulse Rates: up to 120 pulses per second
- Center-tapped control windings
- Specific types are reversible, permit half- or full-voltage operation, and provide various torque outputs.
- Permanent magnet pickups

MOTOR TACHOMETERS — TEMPERATURE COMPENSATED AND INTEGRATING

- Motor Rated Voltages (Phases 1 and 2): 26 to 115 volts
- Motor No-load Speed (Gen. Excited): 4000 to 9500
- Generator Excitation: 26 to 115 volts
- Generator Output per 1000 RPM: 0.3 to 3 volts
- Generator Input Power: 1.5 to 6.5 watts
- Frequency Range: 60 to 2000 cps
- All types are corrosion resistant
- Specific types are temperature compensated within ranges of −55°C to +125°C
- Specific types are provided with permanent magnet generator or pulse generator for speed measurement

SERVO AND STEPPER MOTOR COMBINATION

- Motor section is 115-volt unit with center-tapped control phase and a no-load speed of 4000 RPM.
- Step voltage of 26 volts advances stepper motor in increments of 45 degrees at maximum pulse rate of 30 pulses per second.
- Induction motor section slews to proper quadrant; stepper section provides for exact positioning of rotor.

TACHOMETER GENERATORS — TEMPERATURE COMPENSATED AND INTEGRATING

- Generator Excitation: 26 to 115 volts
- Generator Output per 1000 RPM: 0.3 to 3 volts
- Power Input: 1.5 to 6.5 watts
- Linearity: 0.1% to 3600 RPM
- Frequency Range: 60 to 2000 RPM
- Specific types operate in temperature ranges within −55°C to +125°C

MOTORS — CENTER-TAPPED AND SPLIT-PHASE WINDINGS

- Control Phase: 26 to 115 volts
- Fixed Phase: 26 to 115 volts
- No-load Speed: 6000 to 10,000 RPM

MOTOR DAMPING TACHOMETERS

- Fixed Phase: 18 to 115 volts
- Control Phase: 18 to 230 volts
- Maximum Power Input: 3 to 70 watts
- No-load Speed: 3700 to 20,000 RPM
- Generator Excitation: 18 to 115 volts
- Generator Output per 1000 RPM: 0.25 to 0.5 volts
- Maximum Torque: 20 oz-in.
- High temperature characteristics
- All types are corrosion resistant
- Specific types are provided with permanent magnet generator or pulse generator for speed measurement

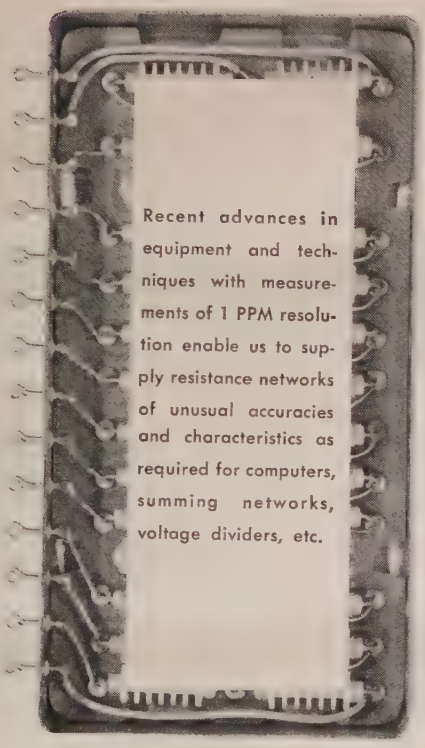
CATION NO. 603-17 SUPERSEDES PUBLICATION NO. 592-20

PRINTED IN U.S.A.

rpc RESISTORS

PRECISION WIRE WOUND • HIGH VOLTAGE • HIGH MEGOHM • HIGH FREQUENCY

RESISTANCE NETWORKS



We are currently producing in quantity for major defense contractors to various specifications of phase angle, D.C. and A.C. ratios with controlled frequency characteristics.

Engineering will gladly advise the limits of accuracies and physical sizes that may be attained for your specifications.

Hermetic sealing or full encapsulation enable networks to meet applicable portions of MIL-R-93B and MIL-STD-202A.

METAL FILM

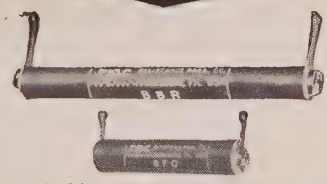
Type W. Low noise precision resistor with a temperature coefficient of ±50ppm°C. over a temperature range from −55°C to +165°C independent of resistance value. Precision assembly is enclosed in a specially designed plastic casing for utmost protection.

Type WHM—equivalent MIL style is RN-75—measures 1.125" long x .406" diameter. Maximum voltage rating 500V.

Type WFH—equivalent MIL style is RN-70—measures .781" long x .250" diameter. Maximum voltage rating 350V.

Both types are regularly supplied with axial wire leads. Standard tolerance ±1%.

HIGH VOLTAGE



Type B. Stable, compact units for use up to 50 KV. readily used for voltmeter multipliers, high resistance voltage dividers, bleeders, high resistance standards and in radiation equipment.

Sizes range from ½ watt resistor — ¾" long x ¼" diam. — rated at 2500 volts, to a 10 watt resistor — 6½" long x 9/16" diam. — rated at 40 KV. Low temperature and voltage coefficient.

Standard tolerance 15%. Tolerance of 10%, 5%, 3% available. Tolerance of 2% in matched pairs.

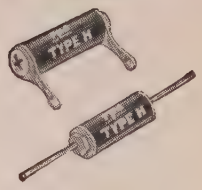
PRINTED CIRCUIT WIRE WOUND

Type P. Miniature, single ended units are designed for easy and rapid mounting on printed circuit panels with no support other than the wire leads. These units can be operated in ambient temperatures up to 125°C and will withstand all applicable tests of MIL-R-93B.

7 sizes available from ¼" diam. by 5/16" long, to ⅜" diam. by ¾" long. Rated from .1 to .4 watt. Resistance values to 2 megohms.

Tolerance from 1% to 0.05%.

HIGH MEGOHM



Type H. Used in electrometer circuits, radiation equipment and as high resistance standards. Resistance available to 100 million megohms (10^{14} ohms). Voltage rating to 15,000 volts. Low temperature and voltage coefficients.

Seven sizes, from ¾" long to 3" long are regularly available. For utmost stability under adverse conditions we recommend hermetically sealed types HSD and HSK which meet the requirements of MIL-R-14293 A.

Standard tolerance 10%. Tolerances of 5% and 3% available. Matched pairs tolerance 2%.

ENCAPSULATED WIRE WOUND

Types L, S, P. Withstand temperature and humidity, cycling, salt water immersion, extremes of altitudes, corrosion and shock with negligible electrical or mechanical deterioration. Available for operation at 125°C. ambient temperature. Meet requirements of MIL-R-93 and MIL-R-9444.

Type L is available with radial lugs, radial wire leads, or axial wire leads.

Type S is hermetically sealed, has axial wire leads.

Type P for printed circuits.

Standard tolerance is ±1%. Tolerances of ±0.5%, ±0.25%, ±0.1%, ±.05% and ±.02% can be furnished.

rpc RESISTORS ARE THERMALLY AGED **rpc QUALITY STANDARDS ARE RIGID**

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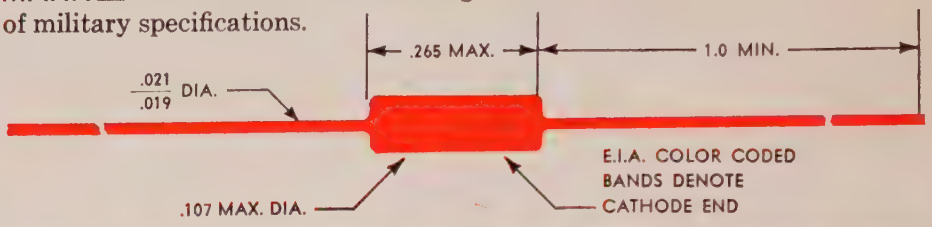
RUGGEDIZED SILICON DIODES

All Rheem diodes are tested per MARK X master test specification for ruggedized silicon diodes.
MARK X tests exceed the most stringent combination of military specifications.



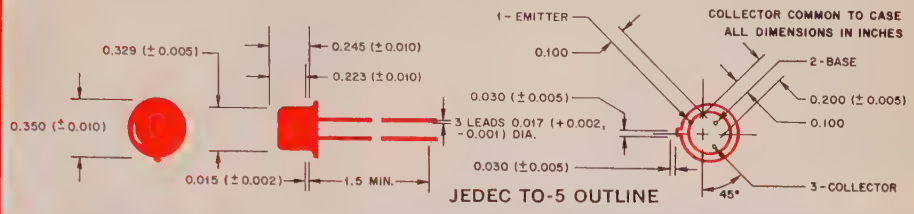
SILICON DIODES (selected list)

	TYPE	PIV	I_F @ V_f mA @ VOLTS (Max.)	MAXIMUM REVERSE CURRENT AT SPECIFIED VOLTAGE			MAXIMUM AVERAGE RECTIFIED CURRENT		MAXIMUM RECOVERY TIME	RECOVERY CURRENT
				25°	100°C	150°C	25°C	150°C	μsec.	mA
SILICON MILLIMICROSECOND SWITCHING DIODES	RD2266	20	10 @ 1.5	1.0 @ −6	—				0.004	3.0**
	1N251	30	5 @ 1.0	0.1 @ −10	10 @ −10†		75		0.15	0.5*
				20.0 @ −20						
	1N252	20	10 @ 1.0	0.1 @ −5	10 @ −5†		100		0.15	0.25*
				20.0 @ −12						
	1N907	30	10 @ 1.0	1.0 @ −30	10 @ −30				0.004	1.0***
	1N908	40	10 @ 1.0	1.0 @ −40	10 @ −40				0.004	1.0***
SILICON LOW LEAKAGE DIODES	RD1358	150	100 @ 1.0	.005 @ 125		5 @ 125	200	70		
	★1N457	70	20 @ 1.0	.025 @ 60		5 @ 60	75			
	★1N458	150	7 @ 1.0	.025 @ 125		5 @ 125	55			
	★1N459	200	3 @ 1.0	.025 @ 175		5 @ 175	40			
	1N459A	200	100 @ 1.0	.025 @ 175		5 @ 175	200	70		
	1N482B	36	100 @ 1.0	0.025 @ 30		5 @ 30	200	50		
SILICON HIGH CONDUCTANCE DIODES	1N484B	130	100 @ 1.0	0.025 @ 125		5 @ 125	200	50		
	1N485	180	100 @ 1.1	0.25 @ 175		30 @ 175	100	25		
	1N486A	225	100 @ 1.0	0.050 @ 225		25 @ 225	200	50		
	1N488A	380	100 @ 1.0	0.1 @ 380		25 @ 380	200	50		
SILICON COMPUTER DIODES	RD2124	225	50 @ 1.0	0.5 @ −200	30 @ −200		60		0.2	0.2††
	1N627	100	4 @ 1.5	1.0 @ −75	30 @ −75		20		1.0	0.1‡‡
	★★1N643	200	10 @ 1.0	0.025 @ −10	5 @ −10		40		0.3	0.2††
	★★1N658	120	100 @ 1.0	0.05 @ −50	25 @ −50‡		200		0.3	0.5††
	1N659	60	6 @ 1.0	5.0 @ −50	25 @ −50		100		0.3	.0875†††
	1N660	120	6 @ 1.0	5.0 @ −100	50 @ −100		100		0.3	.0875†††
	1N661	240	6 @ 1.0	10.0 @ −200	100 @ −200		100		0.3	.0875†††
	★★1N662	100	10 @ 1.0	1.0 @ −10	20 @ −10		40		0.5	.4††
	★★1N663	100	100 @ 1.0	5.0 @ −75	50 @ −75		60		0.5	.2††
	1N692	150	400 @ 1.0	0.25 @ −120	—				0.5	.4††
	1N779	200	10 @ 1.0	0.5 @ −175	30 @ −175†		50		0.3	.1††
	1N795	60	50 @ 1.0	5.0 @ −50	30 @ −50		160		0.5	.2††
	1N803	200	10 @ 1.0	5.0 @ −175	50 @ −175		120		0.5	.2††
	1N809	220	100 @ 1.0	1.0 @ −200	50 @ −200		100		0.3	.35†††
	1N839	200	150 @ 1.0	0.1 @ −175	15 @ −175				0.5	.0875†††
	1N845	200	200 @ 1.0	0.1 @ −160	15 @ −160				0.5	.0875†††
	1N892	120	50 @ 1.0	0.1 @ −100	25 @ −100		200		0.3	0.5††
	1N922	120	500 @ 1.0	0.25 @ −90	50 @ −90				0.3	5.0****
SILICON SUBMINIATURE GLASS RECTIFIERS	1N684	400	400 @ 1.0			0.200 @ 280	400	150		
	1N687	600	200 @ 1.0			0.200 @ 420	200	75		
	1N645	225		0.2 @ 225	15 @ 225		400	150		
	1N646	300		0.2 @ 300	15 @ 300		400	150		

★ JAN Types
★★ Signal Corps Approved Types
* Measured in 256 JAN circuit switched from +5mA to −10V
** Measured in Rheem millimicrosecond recovery circuit switched from +10mA to −6V
*** Measured in Rheem millimicrosecond recovery circuit switched from +10mA to −5V
**** Measured in Rheem high current recovery circuit switched from +500mA to −50 V
† Tested at 125°C
†† Measured in 256 JAN circuit switched from +5mA to −40V
††† Measured in 256 JAN circuit switched from +30mA to −35V
‡ Tested at 150°C
‡‡ Measured in modified IBM "Y" circuit switched from +30mA to −35V

SILICON MESA TRANSISTORS

Rheem transistors are tested to exceed the requirements of MIL-S-19500B. All are stabilized by storage at 300°C and by three temperature cycles from -65°C to 200°C.



SILICON MESA TRANSISTORS (selected list)

	TYPE	DISSIPATION AT 25°C CASE watts	COLLECTOR VOLTAGE MAX.—volts	COLLECTOR CURRENT MAX.—mA	DC CURRENT GAIN h_{FE} TYPICAL	TYPICAL COLLECTOR—BASE REVERSE CURRENT μA @ V_{CB}	h_{fe} @ 20 mc TYPICAL	SATURATION VOLTAGE @ $I_c = 10 I_b$ TYPICAL Vce (volts)	I_c (mA)	RISE TIME @ $I_c = 10 I_b$ TYPICAL mμsec	I_c (mA)
VERY HIGH CURRENT FAST SWITCHING	RT5001	3	60	1000	40	.01 30 V	4	1.3	500	100	350
	RT5002	3	60	1000	75	.01 30 V	5	1.3	500	80	350
	RT5003	3	100	1000	40	.01 30 V	4	1.5	500	100	350
	RT5004	3	100	1000	75	.01 30 V	5	1.5	500	80	350
HIGH CURRENT FAST SWITCHING	2N696	2	60	500	40	.003 30 V	4	.7	150	70	150
	2N697	2	60	500	70	.003 30 V	5	.7	150	85	150
	2N698	2	120	500	40	.01 60 V	4	2.0	150	70	150
	2N699	2	120	500	65	.01 60 V	5	2.0	150	85	150
	2N1409	2.8	30	500	30	.01 20 V	6.5	.3	100	120	100
	2N1410	2.8	30	500	60	.01 20 V	6.5	.3	100	85	100
	2N1420	2	60	500	175	.003 30 V	6.5	.7	150	80	150
	2N1507	2	60	500	175	.003 30 V	6.5	.7	150	80	150
	2N1613	3	75	500	45	.001 60 V	5	.7	150	80	150
MEDIUM POWER GENERAL PURPOSE	2N497	4	60	500	20	.1 30 V	2.5	2.0	200	100	150
	2N498	4	100	500	20	.1 30 V	2.5	2.0	200	100	150
	2N656	4	60	500	60	.1 30 V	3	2.0	200	60	150
	2N657	4	100	500	60	.1 30 V	3	2.0	200	60	150
MEDIUM POWER LOW STORAGE	2N1252	2	30	500	35	.1 20 V	4	.6	150	100	150
	2N1253	2	30	500	60	.1 20 V	5.5	.6	150	100	150
VERY FAST SWITCHING	2N706 •	1	25	100	30	.01 15 V	4 @ 100mc	.3	10	20	10

• TO-18 case

SPECIAL ASSEMBLIES: Series and parallel combinations—leads connected and encapsulated to customer specifications.

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Avnet Corporation, 5877 Rodeo Road, Los Angeles, California. Phone: UPton 0-[illegible] or VEnnont 7-[illegible]
Avnet Electronics Corp. of Northern California, 1262 N. Lawrence Station Road, Sunnyvale, California. Phone: [illegible]
CENTRAL: Allied Radio Corp., 100 Northwestern Avenue, Chicago, Illinois. Phone: HAymarket 1-[illegible]
EASTERN: Eastern Radio Corp., 312 Clifton Avenue, Clifton, New Jersey. Phone: [illegible]
Almo Radio Co., 412-16 N. 4th Street, Philadelphia, Pennsylvania. Phone: WA 2-[illegible]

Complete unit... precision engineered!

SLIDES, CHASSIS and CABINETS

Government Certified Men and Machines.

Government Certified Finishing and Plating.

Modern Inspection Equipment

Planned Quality Assurance

Large inventory of standard and special tooling decreases tooling charges and expedites delivery.

Flexible system adaptable to short or long runs.

CONTACT US ON YOUR SLIDE, CHASSIS AND CABINET REQUIREMENTS. OUR SKILLED ENGINEERS WILL HELP SOLVE YOUR PROBLEMS.

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MANUFACTURING COMPANY INC.

OFFICE & FACTORIES

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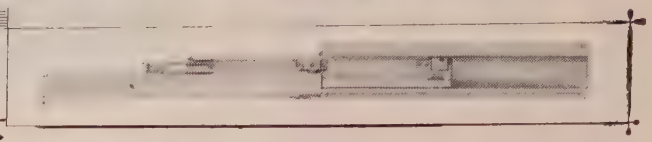
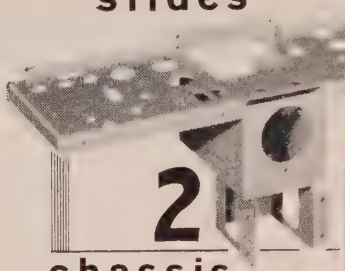
Ask for information on your special requirements

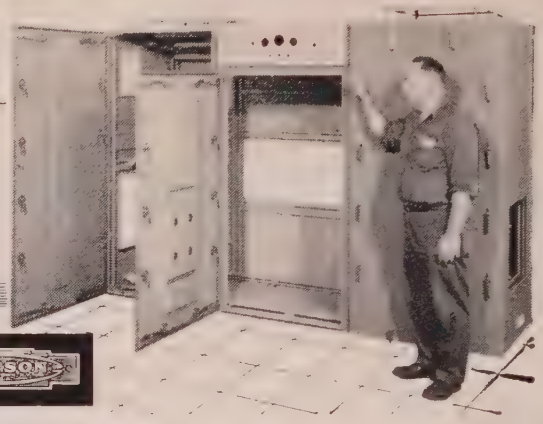
1 slides



Complete unit



2 chassis



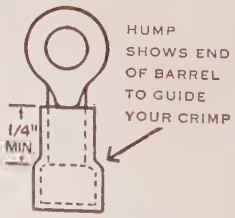
3 cabinets

WATSON

new! from ETC

AVIKRIMP* solderless terminals

...the ultimate in high-performance design



Permanently attached brass sleeve adds extra barrel strength and permanently anchors the wire insulation to the terminal for full protection against stress and vibration. Extending beyond the brass sleeve is a permanently attached NYLON sleeve—no other insulation needed. All tongue types. Color-coded for wire range. Write today for samples, prices.

*Trade Mark

ETC INCORPORATED

990 East 67th Street, Cleveland 3, Ohio

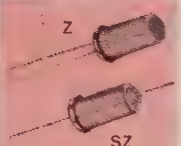
SEMICOR

US

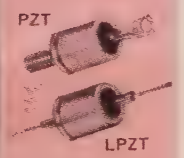
Temperature Compensated REFERENCE ELEMENT

Tc ≤ .0005% per °C
Diffused junction.
1N2163 through
1N2171A

SILICON ZENER DIODES

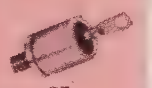


Alloyed Junction
LOW POWER ZENER DIODES
10% Standard Tolerance
1N1927-44,
1N1981-98



Diffused Junction
DOUBLE ANODE ZENER DIODES
10% Standard Tolerance
PZT stud mount,
LPZT axial lead

Diffused Junction
ONE WATT ZENER DIODES
5% Standard Tolerance
1N1875 through
1N1888



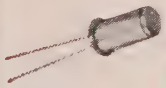
Diffused Junction
TEN WATT ZENER DIODES
5% Standard Tolerance
1N1891 through
1N1904

Diffused Junction
7/16" HEX 10-WATT ZENER DIODES
5% Standard Tolerance
1N1351A-75A,
1N1806A-08A,
1N1816A-36A,
1N2008A,
1N2498A-
1N2500A

Diffused Junction
FIFTY WATT ZENER DIODES
5% Standard Tolerance,
1 1/16" Hex
1N2942 through
1N2968

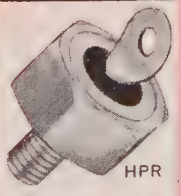
General Purpose
LOW VOLTAGE ZENER DIODES
Single Anode,
1N465 through
1N470

General Purpose
DOUBLE ANODE ZENER DIODES
1N471-75,
1N225-33

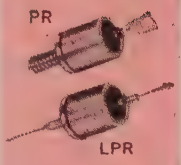


General Purpose
SINGLE ANODE ZENER DIODES
1N1313 through
1N1326

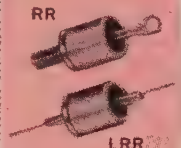
SILICON RECTIFIER DIODES



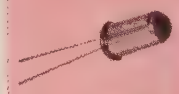
Diffused Junction
HIGH POWER RECTIFIER DIODES
1 volt forward drop at 40 amps
50 to 600 PIV



Diffused Junction
MEDIUM POWER RECTIFIER DIODES
50 to 700 PIV at
1.5 to 4 amps
1N1907-14,
1N1917-24

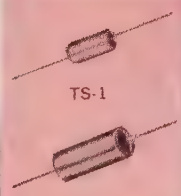


"RR" Series
MEDIUM POWER RECTIFIER DIODES
50 to 500 PIV, for industrial uses
1N2103 through
1N2114



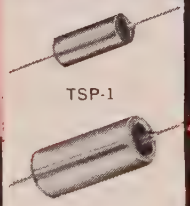
General Purpose
LOW POWER RECTIFIER DIODES
1N200 through
1N213

SOLID TANTALUM Capacitors



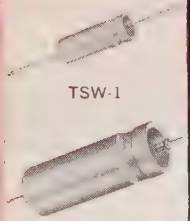
For all miniaturized systems

50 Volt Low Leakage .01 μAMPS x MFD x VOLTS SOLID TANTALUM Capacitors



10% Standard Tolerance

Hermetically Sealed WET TANTALUM Capacitors



Glass Seal, Internal Weld

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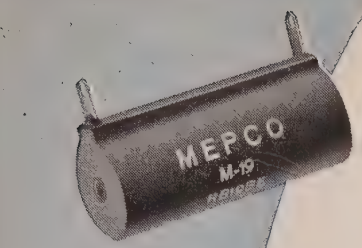
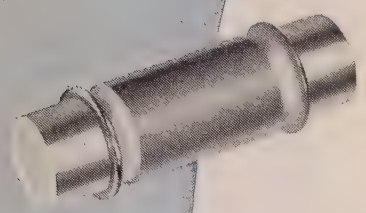
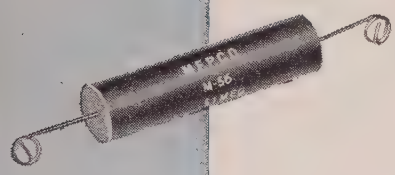


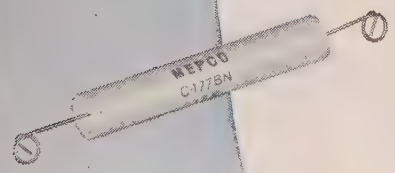
WIRE WOUND (MIL-R-93B) — These ruggedly constructed lug type and axial lead precision resistors provide the accuracy and stability necessary for todays high reliability applications.



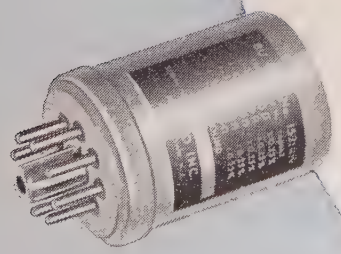
EXTERNAL METER MULTIPLIERS (JAN-R-29) — The answer to that special requirement in the design of kilovolt panel meters, for transmitters and power supplies, where an accuracy of .5% or closer is required.



WIRE WOUND (MIL-R-9444/A) — Manufactured to meet the requirements of this Air Force military specification primarily calling for axial lead type resistors — can be self supporting or clamp mounted.



CARBON FILM (MIL-R-10509C) — For that important application where precision and stability at a reasonable price is a must.



NETWORKS — Completely packaged resistor assemblies. Ideal for usage as attenuator summing or dividing networks. Can be manufactured to your specifications or designed to fit your requirements.

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VACUUM OVENS
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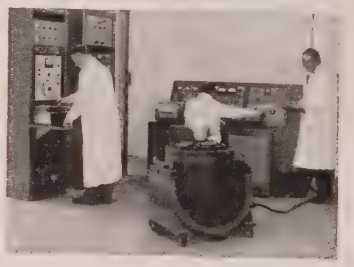
The Nation's Most Complete Environmental Testing Laboratory



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SINUSOIDAL AND RANDOM VIBRATION
(5 TO 5000 CPS FROM —120° TO +600° F AT 200,000 FT. ALTITUDE) (WITH AUTOMATIC CONTROLLING, PROGRAMMING AND RECORDING)

HIGH INTENSITY ACOUSTIC NOISE
(WITH DIRECT RECORDING)

HIGH-LOW+1200° F TO —120° F TEMPERATURES
(AT ALTITUDES TO 200,000 FEET)

MISSILE SHOCK ACCELERATION TESTING
(SAWTOOTH—SINEWAVE—SQUAREWAVE)

SALT SPRAY • FUNGUS • EXPLOSION
SAND & DUST • HUMIDITY • RAIN
SUNSHINE • ROTARY ACCELERATION
SHIELDED ROOM FACILITIES
QUALIFIED PERSONNEL

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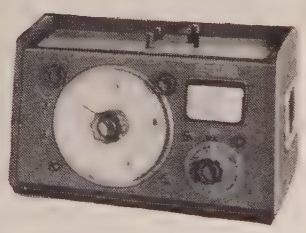
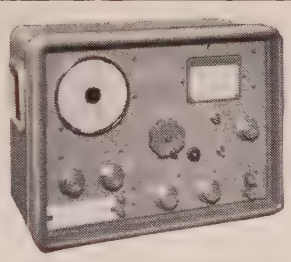
DESIGNED TO MEET YOUR NEEDS

For a quarter of a century, Marconi Instruments have set a standard of reliability and accuracy in the design and manufacture of precision electronic equipment. We offer more than 120 instruments, many of them unique, designed to meet the needs of military and civilian communications engineers. The latest short-form Catalog is now freely available.



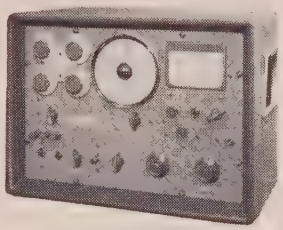
UNIVERSAL BRIDGE
Model 868B

Measures inductance and capacitance at 1 or 10 kc, resistance at d.c. Direct reading: 1μH to 100 henrys; 1$\mu\mu$F to 100μF; 0.1 ohm to 100MΩ.



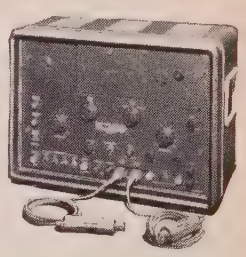
CARRIER DEVIATION METER
Model 791D

4 to 1,024 Mc, directly calibrated. Crystal-lock facilities. Can be supplied for rack mounting.



FM/AM SIGNAL GENERATOR
Model 995A/5

1.5 to 220 MC. Narrow-deviation model for mobile radio; stepped as well as fine incremental tuning gives discrimination better than 0.5 kc.

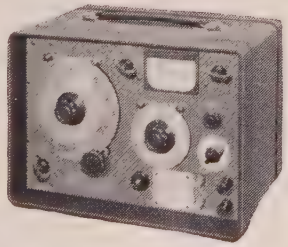


20-MC SWEEP GENERATOR
Model 1099

A high-quality video-response analyser providing 100-kc to 20-MC sweep signal, 1-MC marker pips, and time-base drive for external 'scope.

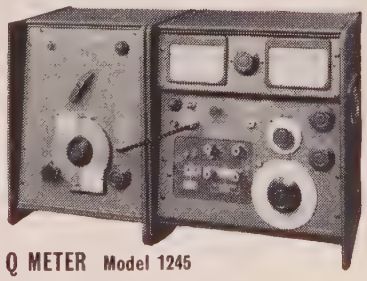
FM SIGNAL GENERATOR
Model 1066A

10 to 470 MC. Rack mounting version, Model 1066A/1, available.



VHF SIGNAL GENERATOR
Model 1064A/2

For mobile radio testing. RF outputs of 30 to 50, 118 to 185, and 450 to 470 MC.



Q METER Model 1245

Direct measurement of Q-factors from 5 to 1,000 over the frequency range 1 kc to 300 MC. Indirect measurements: inductance, capacitance, dielectric loss, phase angle, resistance power factor, etc.

NOW AVAILABLE —The Marconi short-form catalog

Newest— Low Capacitance Bridge Model 1342: 0.002$\mu\mu$F to 1,111$\mu\mu$F; 3-terminal transformer ratio-arm bridge designed for precision measurement of extremely low capacitance.

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We have sold quantities of these power supplies to laboratories, industrial concerns, the government and universities. Only the best available selected material goes into these units, so that you will have many years of dependable service. Only a few of our standard models are shown below. Quotations on special supplies cheerfully given.

PRECISE MEASUREMENTS COMPANY

HIGH VOLTAGE POWER SUPPLIES

One of the most popular power supplies on the market. Completely redesigned for greater ruggedness and convenience of operation. Widely used for powering electronic equipment and for routine breakdown and insulation testing. Output voltage is well filtered D.C. which is adjustable with convenient front panel control. Input is 115 Volt, 60 cycle A.C. Equipment is available without meter, with one meter (4½"), with two meters, or with larger 6" precision 1% mirror scale movement. Regulated models offer closely stabilized output voltage regardless of line or load changes.

Model		Maximum Voltage	Price	Price Regulated Model
6001	With Kilovolt Meter	1,000	$ 75.00	
6000		2,500	60.00	
6000-A	With Kilovolt Meter	2,500	80.00	$120.00
6005		5,000	75.00	
6005-A	With Kilovolt Meter	5,000	95.00	135.00
6010		10,000	85.00	
6010-A	With Kilovolt Meter	10,000	105.00	145.00
6015		15,000	95.00	
6015-A	With Kilovolt Meter	15,000	115.00	155.00
6025-A	With Kilovolt Meter	25,000	175.00	205.00

MIRROR SCALE HIGHER ACCURACY METERS: Recommended where more exact settings or measurements are needed. Meter size has been increased to 6 inches for easier reading. Price $35.00 additional on any meter equipped model.

TWO METER MODEL ..... ADD $35.00

INDUSTRIAL POWER SUPPLIES

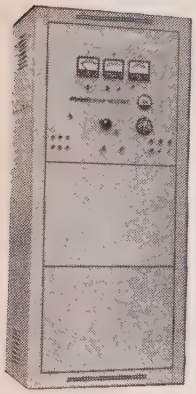
These industrial type power supplies are built for service and efficiency. All are of the transformer type and employ husky components that have been selected for their power handling capacity. Controls are arranged so that operation is greatly simplified and a number of safety features are built in for maximum protection of personnel and equipment. Output is continuously variable from zero to full rated value. Polarity reversing models (as illustrated) can be had at additional cost.

Regulated Types Available

Standard hum level 5% or less. .01% to 1% ripple available. All power supplies have automatic overload cutout control circuits. Regulated models available.

Model	Voltage	Current	Price
F-500V	0-500	3 Amp	$800.00
F-6001	0-1000	2 Amp	975.00
F-6002	0-2000	1 Amp	985.00
F-6003-A1	0-3000	100 MA	375.00
F-6003-AV	0-3000	500 MA	550.00
F-6003-AK	0-3000	1 Amp	1100.00
F-6005-A1-H	0-5000	100 MA	550.00
F-6005-AV	0-5000	500 MA	750.00
F-6005-A1K	0-5000	1 Amp	1200.00
F-6010-A1	0-10,000	100 MA	800.00
F-6020-A05	0-20,000	50 MA	975.00
F-6050-T	0-50,000	½ MA	600.00
F-6100-T	0-100,000	½ MA	1100.00

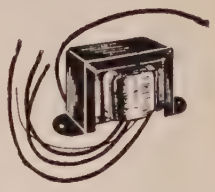
HEAVY DUTY POWER SUPPLIES



For use in applications where high voltages at extra high currents are required. Illustrated is our 100 KW Model, rated for 0 to 7,000 Volts at 14 Amperes DC. This unit is housed in a single convenient cabinet. Output voltage is regulated against line and load changes. Voltage is smoothly adjustable from zero to full output. Automatic circuits protect against overvoltage or over current conditions, turning off main power in a split second. Use of special transformer construction allows constant load drain at full rated output. All power supplies in this series are available with fixed or adjustable output and with or without regulation.

Model	Voltage	Current
A-10	0-1000	5 amperes
A-30	0-3000	5 amperes
A-31	0-3000	10 amperes
A-32	0-3000	20 amperes
A-50	0-5000	5 amperes
A-51	0-5000	10 amperes
A-72	0-7000	15 amperes
A-100	0-10,000	5 amperes
A-110	0-10,000	10 amperes
A-300	0-30,000	5 amperes

TRANSFORMERS, HIGH VOLTAGE



For experimental, industrial, or production use. These units are small and compact and rated for constant service. Primary designed for 115 Volts, 60 cycle. Secondary is isolated. Only standard models are listed. We can wind Specials for any frequency or voltage.

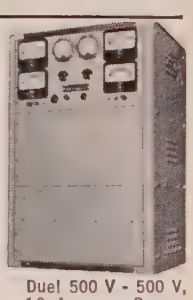
Model	Voltage	Model	Voltage
1 KVT	1 KV	10 KVT	10 KV
2 KVT	2 KV	15 KVT	15 KV
3 KVT	3 KV	25 KVT	25 KV
5 KVT	5 KV	50 KVT	50 KV

PACKAGED POWER SUPPLIES

These conveniently packaged power units will be found ideal for applications requiring minimum size and weight. Features isolated high voltage terminals permitting either the positive or negative side to be grounded. Rectifier tubes are operated from separate filament transformers so that DC output voltage can be varied from zero to full rated value. Selenium rectifier types have extra cells to assure operation under high line voltage or light loading. All standard units have well filtered DC output. Power packs with AC output available on order.

Model	Output Voltage	Current	Model	Output Voltage	Current
05-KV-5MA	500 Volts DC	5 Ma.	20-KV-1MA	20 KV DC	1 Ma.
1-KV-5MA	1 KV DC	5 Ma.	20-KV-5MA	20 KV DC	5 Ma.
2-KV-5MA	2 KV DC	5 Ma.	30-KV-1MA	30 KV DC	1 Ma.
5-KV-1MA	5 KV DC	1 Ma.	30-KV-5MA	30 KV DC	5 Ma.
5-KV-5MA	5 KV DC	5 Ma.	50-KV-1MA	50 KV DC	1 Ma.
10-KV-1MA	10 KV DC	1 Ma.	50-KV-5MA	50 KV DC	5 Ma.
10-KV-5MA	10 KV DC	5 Ma.	75-KV-1MA	75 KV DC	1 Ma.
15-KV-1MA	15 KV DC	1 Ma.	100-KV-1MA	100 KV DC	1 Ma.
15-KV-5MA	15 KV DC	5 Ma.			

CONSTANT CURRENT POWER SUPPLIES



Designed for application where output current must remain constant regardless of loading resistance changes. Used for magnet fields, plating applications, gaseous lamps. Dependable magnetic current stabilizer has no moving parts, no tubes, no transistors to replace. Simply set current to desired level, no balancing or other adjustments needed. Ideal for lamp operation since operating state ionizing voltage in no way affects lamp current. Standard hum level 5%. Lower hum levels available on order.

Model	Maximum Voltage	Maximum Current
C-25-700	25 Volts	700 Amperes
C-70-70	70 Volts	70 Amperes
C-500-10	500 Volts	10 Amperes
C-Duel 500-10	500 or 1,000 Volts	10 or 20 Amperes
C-800-2	800 Volts	2 Amperes
C-1000-100	1000 Volts	100 Amperes

Duel 500 V - 500 V, 10 Ampere Power Supply. Isolated outputs may be seried or paralleled.

AC INSULATION and BREAKDOWN TESTERS

Used in testing insulation where AC voltages are desired. Dual instruments are also available which provide choice of AC or DC output with simple toggle switch selection. Units include kilovoltmeter, current meter and automatic overload cutout circuits.

Model	Voltage	VA	AC	AC and DC Price
3000	0 to 3,000	75	$150.00	$ 250.00
3010	0 to 3,000	300	250.00	400.00
3050	0 to 3,000	1,500	500.00	650.00
3100	0 to 6,000	3,000	700.00	1,100.00
5000	0 to 5,000	75	175.00	300.00
1000	0 to 10,000	75	200.00	350.00
1500	0 to 15,000	75	250.00	

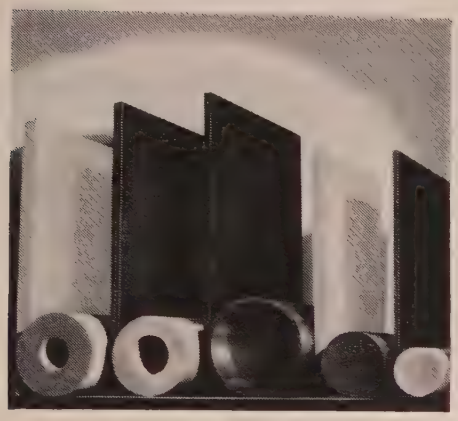
PRECISE MEASUREMENTS COMPANY

MILLBROOK AVENUE • P. O. Box 172 • FLEMINGTON, NEW JERSEY • TEL. STATE 2-3000

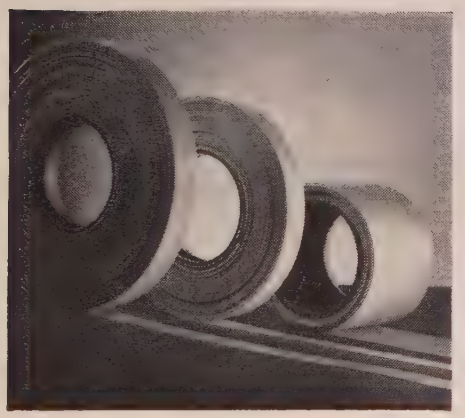
For our other power supplies see ad on page 573

SOLVING MATERIAL DESIGN PROBLEMS

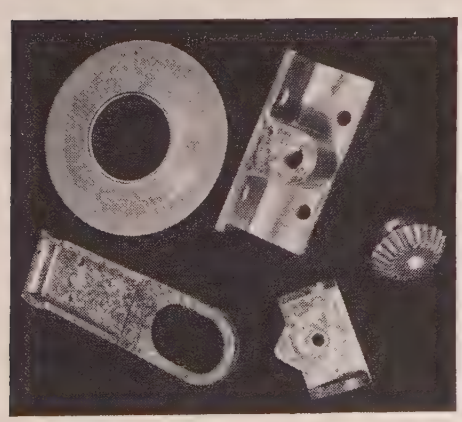
CDF PRODUCTS SPECIFICALLY DESIGNED FOR THE ELECTRONICS INDUSTRY



Sheets, Rods and Tubes



Flexible Insulating Materials



Molded Products

DIAMOND® Vulcanized Fibre.
Light, resilient, and extremely tough, it has good electrical properties when dry and is low in cost.

VULCOID® Resin Impregnated Fibre
features all good qualities of regular vulcanized fibre *plus* far greater moisture resistance and dimensional stability.

DILECTO® Laminated Plastics.
Grades for all applications. Sheets, rods, and tubes are made from five different types of resin reinforced with nine different fibres. A wide range of physical and electrical properties and cost.

CELORON® Moldings.
Excellent strength and wear resistance. Dampen machinery noise. Withstand heavier loads than other plastics.

MICABOND® Insulations.
Grades to meet every need. Excellent electrical properties for high temperature areas. Low cost permits wide use.

CDF Flexible Insulations.
Broad line includes silicone bonded tapes and sheets, flexible Micabond tapes and sheets, Teflon impregnated glass cloth.

CDF Products of Teflon.
Many types available made from DuPont Teflon. Plain and Di-Clad laminates; skived, glass supported, and unfused tapes; ram extruded rod and tube.

See following pages for Table of Electrical, Physical and Mechanical Properties.

CDF®

CONTINENTAL-DIAMOND FIBRE CORPORATION

A SUBSIDIARY OF THE Budd COMPANY • NEWARK 100, DELAWARE

In Canada: 46 Hollinger Road, Toronto 16, Ontario

SOLVING MATERIAL DESIGN

TYPICAL PROPERTIES

To make things easier for you, we'd like to list here all the properties of all CDF materials. This is impossible to do on the allotted two pages, so

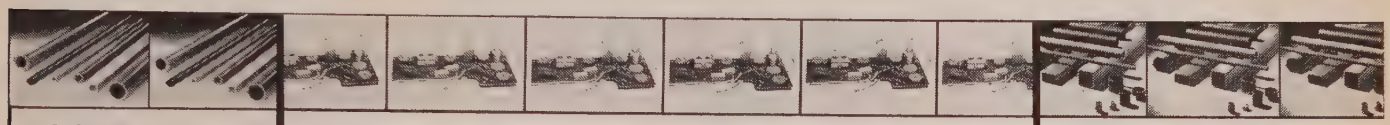
	DILECTO LAMINATED SHEET PLASTIC GRADES										DILECTO ROLLED		
PROPERTIES	XXXP-28	XXXP-33	GB-28EV2	GB-28EFR	XXXP-31EFR	GB-1127K	GB-1127	GB-1267E	GB-12S	2350P	GB-125EV	GB-125EFR	XXX-79
ASTM or NEMA grade	XXXP	XXXP	G-10	G-11	XXXP	—	—	—	G-7	—	G-10	G-11	XXX
Current Military Spec. of base material only	MIL-P-3115B Type PBE-P	—	MIL-P-18177B Type GEE	MIL-P-18177B Type GEB	—	—	—	MIL-P-19161	MIL-P-997B Type GSG	—	—	—	MIL P [illegible]
Resin	Phenolic	Phenolic	Epoxy	Epoxy	Epoxy	Teflon	Teflon	Teflon	Silicone	Phenolic	Epoxy	Epoxy	Phenolic
Reinforcement	Paper	Paper	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Paper	Glass	Glass	Paper
Water Absorption % @ 24 hrs 1/16"	0.06	0.06	0.11	.05	0.4	—	—	—	0.2	1.0	—	—	2.0
MECHANICAL													
Tensile strength psi in thousands, lengthwise	12	12	55	50	12	21	21	24	27	10	—	—	7 (Axial)
Flexural strength psi in thousands, lengthwise	18	18	72	70	24	17	17	14	28	22	—	—	—
Compressive strength psi in thousands, flatwise	22	22	55	40	30	25	25	28	45	25	25 (Axial)	22 (Axial)	16 (Axial)
Izod Compact strength ft lb per inch of notch edgewise	0.4	0.4	11	18.0	0.7	15	15	15	9.5	0.6	—	—	—
Specific Gravity	1.30	1.30	1.8	2.1	1.43	2.2	2.2	2.2	1.68	1.38	1.8	2.1	1.12
Rockwell Hardness M Scale	90	90	110	114	100	30	30	30	100	105	—	—	—
ELECTRICAL													
Dielectric strength, short-time, vpm	800	800	600	850	650	800	800	600	400	700	370	400	800
Dielectric constant, (1 megacycle)	3.6	4.8	4.7	4.9	4.1	2.6	2.6	2.6	3.4	—	5.1	5.3	3.5
Dissipation factor (1 megacycle)	0.027	0.035	0.020	0.010	0.031	0.001	0.001	0.001	0.002	0.041	.026	.018	0.030
Arc resistance, seconds	5	5	130	180	60	180	180	180	255	4	130	180	5
Insulation resistance, megohms	600,000	600,000	100,000	600,000	100,000	—	20,000	20,000	10,000	10	—	—	—

PROBLEMS

CDF PRODUCTS SPECIFICALLY DESIGNED FOR THE ELECTRONICS INDUSTRY

OF CDF MATERIALS

we're just hitting the highlights. For complete information write us for the catalog about the material that seems to fit closest to your needs.



LAMINATED TUBE GRADES			DI-CLAD COPPER CLAD LAMINATES									CDF SPIRAL TUBING			
XX-79	X-79	GB-128S	28	33	28EV-2	28EFR	31EFR	112TK	112T	2350P	128TE	Grade 1	Grade 5	Grade 6	Grade 6A
XX	X	G-7	XXXP	XXXPC	G-10	G-11	EXCEEDS XXXP	—	—	XP	—	—	—	—	—
MIL-P-79B	MIL-P-79B	—	MIL-P-3115B Type PBE-P	—	MIL-P-18177B Type GEE	MIL-P-18177B Type GEB	—	—	—	—	MIL-P-19161	—	—	—	—
Phenolic Paper	Phenolic Paper	Silicone Glass	Phenolic Cellulose Paper	Phenolic Cellulose Paper	Epoxy Medium Weave Glass Cloth	Epoxy Medium Weave Glass Cloth	Epoxy Cellulose Paper	Teflon Fine Weave Glass Cloth	Teflon Glass Cloth	Phenolic Cellulose Paper	Teflon Medium Weave Glass Cloth	Phenolic Kraft Paper	Phenolic Kraft Paper	Phenolic Kraft Paper	Phenolic Kraft Paper
2.5	3.5	—	.06	.06	0.11	.05	0.35	0.03	—	1.9	0.01	20	25	15	8
8 (Axial)	10 (Axial)	—	12	12	55	50	12	23	23	18	22	—	—	—	—
—	—	—	18	18	72	70	23	13	13	27	12	—	—	—	—
16 (Axial)	15 (Axial)	19	22	22	55	70	30	20	20	32	.17	6.5 (Axial)	4.5 (Axial)	7. (Axial)	11.5 (Axial)
—	—	—	0.4	0.4	11	18	0.7	6.0	6.0	0.8	17	—	—	—	—
1.12	1.12	1.7	1.30	1.30	1.8	2.0	1.4	2.2	2.2	1.4	2.2	1.0	1.0	1.0	1.0
—	—	—	90	90	—	—	100	60	60	90	55	—	—	—	—
750	700	300	800	800	600	500	650	700	700	800	800	150 (1/16")	150 (1/16")	150 (1/16")	165 (1/16")
4.2	5.5	—	3.6	4.8	4.7	4.50	4.1	2.5	2.5	5.1	—	—	—	—	—
0.035	0.040	—	0.027	0.035	0.020	0.009	0.031	0.0008	.0	0.04	0.0038	0.026	0.026	0.026	0.026
5	5	—	5	5	130	180	20	180	180	5	180	5	5	5	5.5
—	—	—	600,000	600,000	100,000	100,000	600,000	90,000	75,000	500	500,000	—	—	—	—

For applications and nearest CDF sales office see next page.

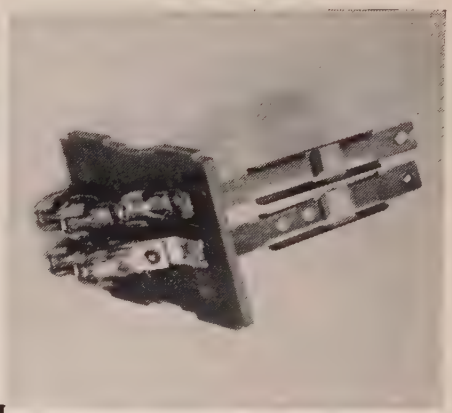
SOLVING MATERIAL DESIGN PROBLEMS

CDF PRODUCTS SPECIFICALLY DESIGNED FOR THE ELECTRONICS INDUSTRY

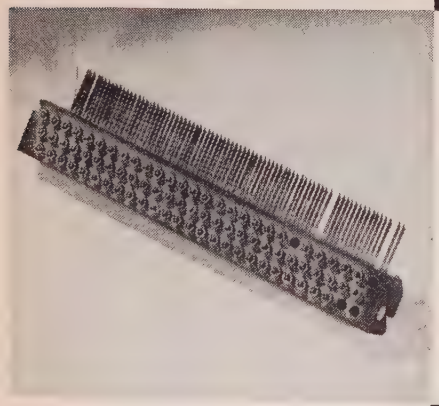
Triggers to ideas. Here are a few clues to the thousands of ways you can use CDF's many grades of insulating materials. And remember, CDF can fabricate any of its materials for you — frequently at lower cost than you yourself can do it.

Di-Clad printed circuit bases

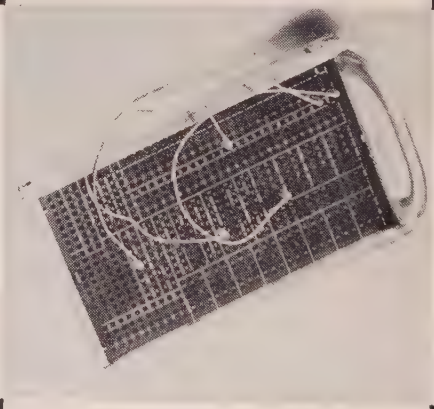
CDF Spiral Tubing coil base



Dilecto Laminated Plastics insulators



Dilecto bases for computer connectors



Dilecto panels

Celoron resistor board

THERE'S A CDF SALES OFFICE NEAR YOU

CDF

CONTINENTAL-DIAMOND FIBRE CORPORATION

SUBSIDIARY OF THE Budd COMPANY • NEWARK 100, DEL.

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46 Hollinger Rd., Toronto 16, Ontario

EXPORT DEPARTMENT: BRIDGEPORT, PENNSYLVANIA, U.S.A., PLANTS: NEWARK, DEL., BRIDGEPORT, PA., VALPARAISO, INDIANA

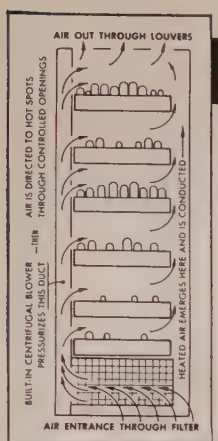
TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE

ONE SOURCE...CABINETS, CONSOLES and EASILY INSTALLED RELATED EQUIPMENT

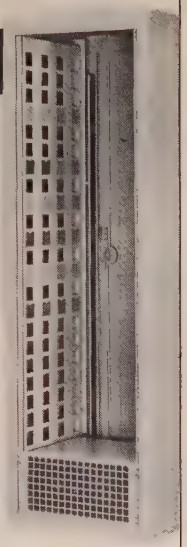
VENTILATED or NON-VENTILATED
MIL Spec or Customer Spec

RELAY RACK CABINETS and MATCHING CONSOLES



• Complete package modular construction • Mount standard 19", 24" or 30" wide panels • Panel space in multiples of 1¾" • All-welded frames of 12-ga. or heavy duty 3/16" steel, or .125" aluminum alloy—tapped 10-32 or 12-24 • Steel or aluminum skin and doors • Hinged, lift-out or bolt-on doors—with or without louvers, glass panels or cut-outs • continuously adjustable rear mounting rails of 12-ga. steel • mounting built in for 'Chassis-Trak' slides.

Heavy duty MC type cabinets—surpass 30 G shock and vibration requirements of MIL-T-4807 (steel construction)—reinforcement for higher shock loading available.



CONSOLES—24", 30", 36" in depth. Modular shapes to fit 'U' or 'L' floor plans. Panel angled 15°, 30°, 45° or 60°.

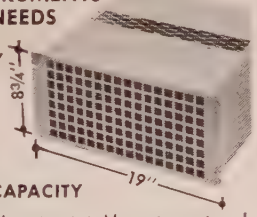
CABINETS—18" to 36" deep in 2" increments.

Cool exactly where needed with fully controlled built-in cross-ventilation system—proven in 6 years operation in Government labs. Adjustable airflow pattern to your exact needs is effected by snap-in closures—no "chimney" effect (schematic above, left).

Any commercial or MIL Spec finish. Dolly optional.

PANEL MOUNTING BLOWERS

COOL your INSTRUMENTS to your EXACT NEEDS



MIL SPEC QUALITY
COMPACT SIZE
YOUR CHOICE OF 8 DIFFERENT STANDARD MODELS (others 'TO ORDER')
LARGE COOLING CAPACITY

• 600—1200 CFM output • Mount as standard 8¾" EIA panel, 15" front-to-back • Meet MIL-I-16910A radio interference requirements • Air discharge areas to suit innumerable applications • Cleanable filter.

REFRIGERATED BLOWERS

• Automatically maintain pre-set cabinet temperature • Mount as standard 19" rack panels • Control dust and humidity • Interference-free • MIL Spec.

These panel mounting refrigeration units, 14" and 21" high, 22¼" deep, discharge cooled air to distribution plenum, re-circulate it to reduce humidity while cooling.

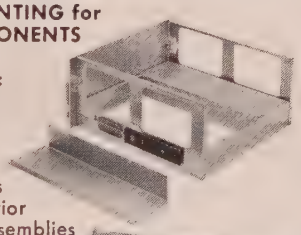
CABLE RETRACTOR

• You service chassis and return to position without snagging components below • Double action maintains correct tension and cable suspension—permits ample cable to fully extend and tilt chassis • Adaptable to all types of chassis or drawer slides, varying chassis lengths • Mounts on rear support rail on standard 1¾" spacing.

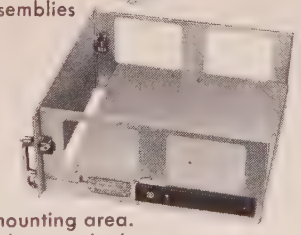
UNIVERSAL CHASSIS

RIGID MOUNTING for your COMPONENTS

TWO TYPES:



MODULAR
2 or more sub chassis
Permits superior cooling of assemblies



SINGLE PANEL FLAT CHASSIS
Unrestricted front panel mounting area.
Readily drilled or punched

• Maximum-height side frames have Heli-arc welded corners—give rigid equipment-protection in any position • Steel or aluminum—⅛" or 3/16" front panels, .062" side frames • All parts drilled for assembly • Panel drilled for handles, chassis drilled for slide mounting ('Chassis-Trak') if desired • Customer may specify all dimensions, materials, finish • Top, bottom covers available.

HANDLES

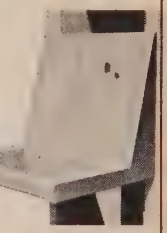
Features offered individually or in combination: completely recessed stainless steel single or double latch types, blank handles, push-button panel locks, trigger for tilt lock, positive screw-down clamp type for extreme shock or vibration.

PHONE or WRITE for COMPLETE DATA

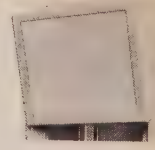
ONE SOURCE... for VENTILATED RELAY RACK CABINETS, CONTROL CONSOLES, BLOWERS, CHASSIS, CHASSIS-TRAK®, RELATED COMPONENTS

CONVENIENT, MODULAR ACCESSORY EQUIPMENT

• Mount at any desired height on standard-tapped mounting rails • Standard construction spot-welded CRS (or aluminum for 4 top units) • Standard finish gray hammertone baked enamel—MIL or other available • Writing surfaces steel, Formica or aluminum • Easily installed.



SLOPE FRONT CONSOLE FRONT
Converts rack cabinet into console. Slope front heights and writing surface depths:
12¼", 14", 17½".



TURRET FRONT
Slope front height: 8¾" to 15¾" in 1¾" increments. Slopes 15° or 30°.

RIGID, FLAT CONSOLE WRITING SURFACE
Requires only 3½" of valuable panel space.
15¾" or 18¾" deep.

DESK TOP CONSOLE
Mount on desk, cabinet, counter. Panel space 12¼" or 17½" high.
Base 12¼" or 15¾" deep.

Standard width of above units is 21⅞"—available in 2, 3 or more section widths. Slope fronts angled 15° from vertical.

RACK MOUNTING DRAWERS
Standard 19" panel—multiples of 1¾" high.
10"—24" deep. Nylon rollers.

RETRACTABLE WRITING SURFACE
Uses only 1¾" valuable panel space—install one or more in cabinet. For 19", 24" or 30" racks. 16"—36" deep.

'CHASSIS-TRAK'

The IDEAL SLIDE for READY ACCESS to ENTIRE CHASSIS

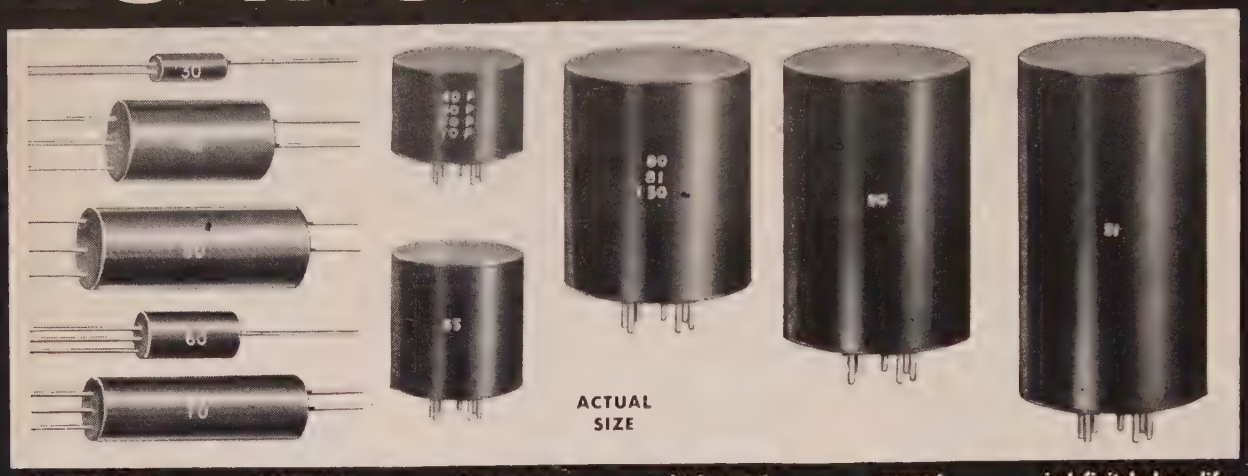
• Ultra thin—mount 17" chassis in 17¾" opening • Extra strong • 'Basic' model tilts 120° above horizontal • 'Detent' model offers 7 locked positions through 210° • Finger touch releases chassis for bench work • 10"—24" long • Double extension • Finish approved for Military installations

Roller Types Available

ORegon 8-7827

WESTERN DEVICES, INC.
600 W. FLORENCE AVE., INGLEWOOD 1, CALIF.

THE MOST COMPREHENSIVE LINE OF SOLID STATE ELECTRONIC CHOPPERS



microminiature — **lightweight** — **low power** — **high speed** — **rugged** — **indefinitely long life**

non-mechanical — **inertialess** — **low level** — **high efficiency** — **linear** — **temperature stable**

The transistor chopper (or modulator) is a solidly encapsulated unit designed to alternately connect and disconnect a load from a signal source. It may also be used as a demodulator to convert an a.c. signal to d.c. It is capable of linearly switching or chopping voltages over a wide dynamic range which extends down to a fraction of a millivolt and up to 100 volts or more. Unlike mechanical choppers which can only be designated to operate over a narrow and comparatively low frequency range due to mechanical limitations, this transistorized chopper is an inertialess device that can be driven from d.c. to hundreds of kilocycles.

The switching circuitry used operates the transistors in a manner which provides stability and freedom from drift over a wide temperature range. Only carefully selected and matched transistors are utilized.

The Models 30, 40, 40P, 50, 50P, 60, 60P, 70 and 70P are direct-coupled so as to provide the circuit designer with the most basic chopper from which to synthesize solutions to special circuit problems. The Models 65 and 150 are transformer-coupled for isolation purposes. The Model 65 is for low-level voltages and the Model 150 for high-level signals. The Models 80, 81, 90 and 91 VIBRACHOPPERS are unique in the chopper field in that they require DC rather than AC drive.

These units are practically immune to the effects of shock and vibration making them ideal for military, space vehicle and portable applications; or where power conservation, miniaturization and elimination of maintenance are a necessity. The transistor chopper has an inherently long life and is not subject to contact bounce, wear, pitting or burning.

CHOPPER MODEL SPECIFICATIONS

Model	Type	Max. Signal Voltage (Volts)	Max. Signal Current (MA)	Drive Frequency Range	Max. Drive Voltage (600Ω Source) (Volts)	Drive Input Impedance (Ohms)	Ambient Temp. Range (°C)	Size (Inches)	Weight (Grams)	Remarks
30	Ge	±10	10	DC to 100 kcps	25 pk-pk	200	—55 to +90	.38 X .16 Dia.	½	Micro-Min Hi-Freq
40	Si	±20	40	DC to 50 kcps	40 pk-pk	2K	—55 to +150	.7 X .44 Dia.	2	Sub-Min Hi-Temp
40P	Si	±20	40	DC to 50 kcps	40 pk-pk	2K	—55 to +150	½ X ¾ Dia.	8	Plug-In Hi-Temp
50	Ge	±10	10	DC to 100 kcps	25 pk-pk	200	—55 to +90	1¼ X .44 Dia.	3	Sub-Min Hi-Freq
50P	Ge	±10	10	DC to 100 kcps	25 pk-pk	200	—55 to +90	½ X ¾ Dia.	8	Plug-In Hi-Freq
60	Ge	±10	50	DC to 100 kcps	50 pk-pk	600	—55 to +90	½ X ¼ Dia.	1	Micro-Min Hi-Freq
60P	Ge	±10	50	DC to 100 kcps	50 pk-pk	600	—55 to +90	½ X ¾ Dia.	8	Plug-In Hi-Freq
65	Ge	± 3	50	0.27 to 30 kcps	50 pk-pk	200	—55 to +90	¾ X ¾ Dia.	12	Xfmr-In Plug-In
70	Si	± 3	40	DC to 100 kcps	4 pk-pk	600	—55 to +150	1⅛ X 5/16 Dia.	2	Sub-Min Hi-Freq Hi-Temp
70P	Si	± 3	40	DC to 100 kcps	4 pk-pk	600	—55 to +150	½ X ¾ Dia.	8	Plug-In Hi-Freq Hi-Temp
80	Ge	±15	50	1.5 to 6.5 kcps	6 to 32 DC	2K	—55 to +90	1¼ X 1 Dia.	32	DC-Drive Plug-In
81	Ge	±15	50	1.5 to 6.5 kcps	6 to 32 DC	2K	—55 to +90	1¼ X 1 Dia.	32	DC-Drive Plug-In DPDT
90	Si	± 6	50	1.2 to 3.0 kcps	12 to 32 DC	2K	—55 to +150	1½ X 1 Dia.	40	DC-Drive Plug-In
91	Si	± 6	50	1.2 to 3.0 kcps	12 to 32 DC	2K	—55 to +150	1¾ X 1 Dia.	40	DC-Drive Plug-In Hi-Temp DPDT
150	Si	±150	40	0.27 to 30 kcps	100 pk-pk	300	—55 to +150	1¼ X 1 Dia.	30	Hi-Volt Hi-Temp Xfmr-In

WRITE OR PHONE FOR BULLETINS DESCRIBING ABOVE UNITS

SOLID STATE ELECTRONICS CO.

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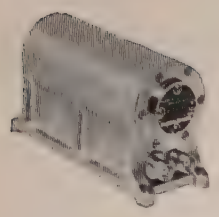
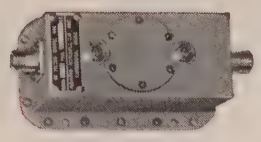
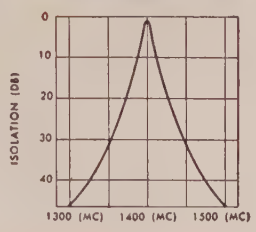
ANTENNAS, RF SYSTEMS AND COMPONENTS FOR GROUND, AIR AND SPACE



35 WATT MISSILE TELEMETRY DIPLEXER.

Typical characteristics are: 28 db isolation and 0.4 db loss at 6 Mc separation in the frequency range 215 to 250 Mc. Units are sealed and will withstand shock to 100g and vibration at 20g to 2000 cps. There is no altitude limit. Ambient temperature limits are −65° to +300°F. The diplexer can be supplied with frequency separation of 3 to 10 Mc; characteristics are somewhat modified from those noted above. Mounting dimensions are 5⅜"x 1⅝". Weight is 22 ounces.



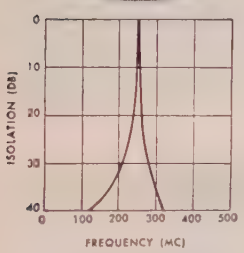


DIMINUTIVE TUNABLE 20 TO 50 WATT 400 TO 2000 MC DUAL CAVITY FILTER.

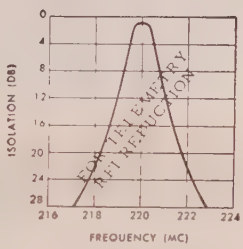
CW power rating is 20 watts at 400 Mc and increases to 50 watts at 2000 Mc. Tuning range is approximately 10 Mc at 400 Mc, 50 Mc at 600 Mc, and 90 Mc at 1000 to 2000 Mc. Insertion loss is less than 1 db. Mounting dimensions are 3" x 2 13/16"; clearance dimensions are 3" high x 5½" long x 3⅛" wide. Weight is 28 oz.

300 WATT CAVITY TUNABLE FROM 200 TO 420 MC. CAN BE USED WITH 300 WATT LOW PASS FILTER PROVIDING 60 DB INSERTION LOSS FROM 750 MC THROUGH 6000 MC.

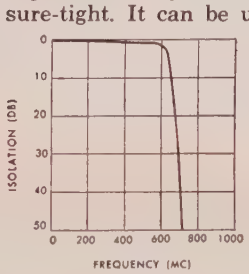
THE MODEL 310 TUNABLE CAVITY FILTER has a "Q" factor of approximately 150; insertion loss is less than 0.5 db. VSWR in a matched 50-ohm system is less than 1.3. It is 9½" in diameter and 9" high. The cavity is made of aluminum alloy, silver plated. It is pressure-tight. It can be used with transmitters to obtain reduction of harmonic radiation and intermodulation products occurring as a result of radiation from nearby transmitters. A low loss multiplexing system for either transmitting or receiving is obtainable with several Model 310 filters in combination. Sharp preselection is afforded when used in a receiver line. Two Model 310's in cascade provide excellent preselection in the telemetry band, flat response in the passband and steep cut-off characteristics at skirts (see figure). Associated insertion loss is 1 db. THE MODEL 700 LOW PASS FILTER can be used with the Model 310 cavity filter to provide spurious-response-free performance to beyond 6000 Mc. When inserted in the transmission line to UHF-VHF antennas, will protect communications from microwave interference due to nearby radar, and protect radar, tacan, in turn, from harmonics of communications transmitters. Cut-off frequency is 700 Mc. Power rating is 300 watts CW. VSWR is 1.3 below 420 Mc. The unit is pressure-tight. It is 15" long.



Single 310 Cavity



Two 310 Cavities



Model 700 LP Filter

500 WATT 100 TO 200 AND 200 TO 400 MC POWER DIVIDERS; ISOLATION BETWEEN OUTPUTS, OPTIONAL.

The Model 150 series covers the 100 to 200 Mc frequency range; Model 300 the 200 to 400 Mc range. Standard units are available to split power into 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12 parallel outputs. Units are sealed and weather proof. Mounting dimensions are 10½" for the Model 300 and 20 1/32" for the Model 150. Power dividers can be supplied with isolation betwen outputs. Typical isolation figures applicable to well-matched external circuits are 20 db at 50% bandwidth and 25 db at 25% bandwidth.

TRANSMITTING ANTENNAS FOR MISSILES AND AIRCRAFT.

A line of flush mounted and projecting antennas providing VSWR's consistent with transmitting standards and bandwidths to 2 to 1. The frequency region of existing antenna types is from upper VHF through UHF to mid-SHF.

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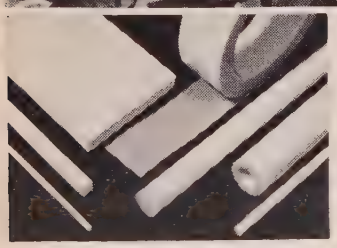

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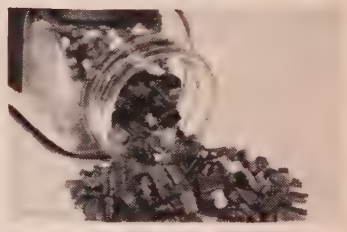

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E-H RESEARCH LABORATORIES INC.

1960 SHORT FORM CATALOG

PULSE GENERATORS

E-H offers **PULSE GENERATORS** with the performance features—and quality engineering—you need for advanced applications. With the very fast rise time and high repetition rates, the flexible and reliable E-H Pulsers are indispensable for almost any pulser job—for general laboratory or development work, production testing of components or computor and rf applications.

MODEL 120 B MILLIMICROSECOND PULSE GENERATOR

PRICE $1275

RISE AND FALL TIME
10% to 90%
less than 2.5 millimicroseconds

REPETITION RATE
10 cps to 10 MC

OUTPUTS
(two independent output channels)
Amplitude, 0 to minus 8 volts

PULSE WIDTHS
2.5 to 25 millimicroseconds

OUTPUT IMPEDANCE
93 ohms

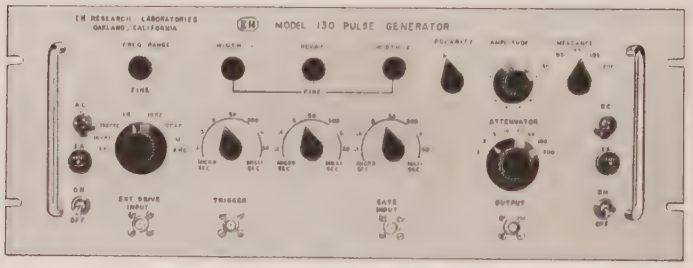
TRIGGER OUTPUT
positive 15 volt pulse

TRIGGER ADVANCE
120 millimicroseconds

EXTERNAL DRIVE
3 volts RMS required

ELECTRONIC GATE
positive 20 volts required

DIMENSIONS
standard rack panel,
7 inches high



MODEL 130 PULSE GENERATOR

PRICE $1175

REPETITION RATE
10 cps to 1 MC

RISE AND FALL TIME
less than 10 millimicroseconds

OUTPUTS
Two pulses at one output connector, independently variable in width and relative delay

PULSE WIDTHS
100 millimicroseconds
to 50 milliseconds

PULSE AMPLITUDE
0 to 50 volts maximum
0 to 500 ma maximum

POLARITY
positive or negative pulses available

DUTY FACTOR
50 percent

RELATIVE PULSE DELAY
200 millimicroseconds
to 50 milliseconds

JITTER
less than 0.1 percent

OUTPUT IMPEDANCE
50, 93, 125, 185 or 200 ohms available (selected by front panel switch)

OUTPUT ATTENUATOR
1:1 to 200:1 coarse selector;
3 to 1 vernier control

TRIGGER OUTPUT
positive 25 volt pulse

EXTERNAL DRIVE
3 volts RMS required

ELECTRONIC GATE
10 volts required

DIMENSIONS
standard rack panel,
7 inches high

MODEL 121 PULSE GENERATOR

PRICE ON REQUEST

REPETITION RATE
10 cps to 10 MC

RISE AND FALL TIME
negative pulse < 7musec
positive pulse < 10 yysec

OUTPUT
1 ampere peak

PULSE WIDTH
0 to 100 millimicroseconds,
set by external delay line

DUTY FACTOR
20% without derating

POLARITY
positive or negative pulses available

OUTPUT IMPEDANCE
50 ohms

DIMENSIONS
standard rack panel,
7 inches high

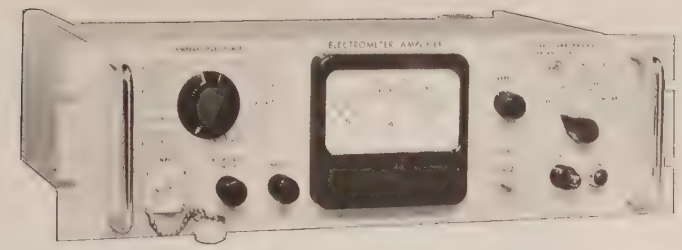
MODEL ZT Series PULSE TRANSFORMER

PRICE $25

Designed primarily for use with E-H fast Pulse Generators, the MODEL ZT will permit impedance matching or pulse inversion. Its rise time is less than 0.5 millimicroseconds at 93 ohms. Male BNC input and female BNC output connectors are provided on a rugged coaxial body. It may be supplied with any combination of 50, 93, 125, 185 or 200 ohms input or output impedance, either normal or inverted polarity.

ELECTROMETERS

E-H Electrometers feature high sensitivity, very fast response time, and extreme stability. This performance—coupled with high measurement accuracy—is made possible by advanced circuitry design techniques, the use of top quality components, and precise construction practices. Grid current of the electrometer pentode input tube is typically less than 3×10^{-15} ampere; noise less than ½ % of full scale.



MODEL 201 C ELECTROMETER AMPLIFIER

PRICE $650

16 CURRENT RANGES
3×10^{-14} to 10^{-6} ampere full scale

ACCURACY
2% (recorder outputs); 3% of full scale panel meter

RESPONSE

range	time constant
10^{-6} amp	40 microseconds
3×10^{-7} to 3×10^{-8}	50 microseconds
10^{-8} to 10^{-9}	250 microseconds
3×10^{-10} to 3×10^{-11}	5 milliseconds
10^{-11} to 10^{-12}	300 milliseconds
3×10^{-13} to 3×10^{-14}	5 seconds

GRID CURRENT
less than 3×10^{-15} ampere

STABILITY
0.1% to 1% depending upon range

NOISE
less than ½ % of full scale in the pass-band

OUTPUTS
two recorder outputs: 10 mv and 100 mv fullscale
oscilloscope output on front panel

DIMENSIONS
standard rack panel 5¼ inches high

MODEL 202 ELECTROMETER FOR AUTOMATIC CONTROL

PRICE $775

This instrument has essentially identical specifications to E-H Model 201C, but includes such features as a contact type panel meter and a + 150 volt polarizing potential for ion chambers. The ability to preset an external "alarm" or control function with accuracy and the very fast response time permits continuous surveillance of reactors, radiation levels, and automatic indication of rejection in component testing, and gauging and level controls.

MODEL 203 CONSTANT IMPEDANCE MICROMICROAMMETER

PRICE $1,050

Designed particularly for simplicity of operation and extreme stability, and intended primarily for automatic measurements of a routine nature utilizing operators of minimum technical ability. It has a low and constant input impedance to facilitate measuring leakage currents in diodes, transistors, capacitors and similar devices.

RANGES
10^{-3} to 10^{-10} ampere

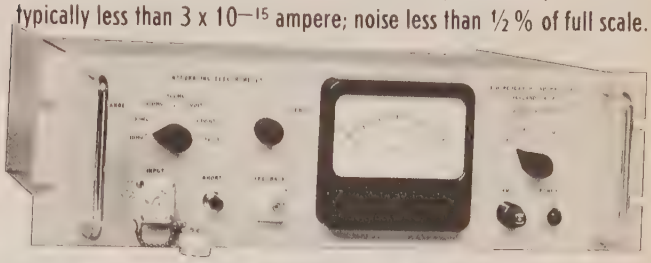
ACCURACY
2% recorder outputs
3% of full scale panel meter

STABILITY
full scale drift of < 0.3%

MODEL 205 MICROMICROAMMETER

PRICE $1,250

Similar to Model 203 but a vibrating reed rather than a chopper amplifier and a sensitivity of 10^{-12} ampere full scale. Input impedance is 1 megohm.



MODEL 215 ELECTROMETER VOLTMETER

PRICE $625

A very high input impedance dc amplifier—may be used to measure voltage, or as an operational amplifier to measure current, resistance or charge.

7 VOLTAGE RANGES
10 millivolts to 10 volts, full scale

ACCURACY
2% (recorder outputs 0)
3% of full scale panel meter

INPUT IMPEDANCE
10^{15} ohms shunted by 15 uufd

STABILITY
less than 300 microvolts per hour ZERO Drift

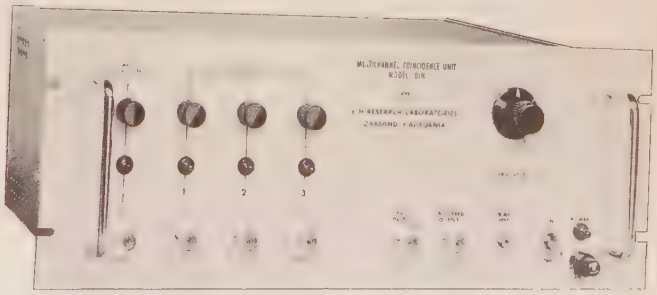
FREQUENCY RESPONSE
5 KC at unity gain
20 cps at high gain (approx. 2000)

OUTPUTS
10 mv and 100 mv recorder outputs

MODEL 915 ATTACHMENT

PRICE $375

Contains the necessary feedback components to measure:
Voltage from 200 microvolts to 1000 volts
Current from 10^{-5} ampere to 10^{-14} ampere
Charges from 10^{-4} coulomb to 10^{-13} coulomb
Resistance from 10^{4} ohms to 10^{16} ohms



MODEL 101 N MULTICHANNEL COINCIDENCE UNIT

PRICE $725

Functions as a pulse coincidence-anticoincidence analyzer over a maximum of four channels with an ultimate time resolution of better than 3×10^{-9} seconds, to 1 microsecond. The unit produces both a fast output and a fully decoupled triggered output.

CHANNELS
3 channels of coincidence
1 channel of anticoincidence

INPUT IMPEDANCE
125 ohms, UHF connectors

INPUT
minimum voltage, negative 2 volts

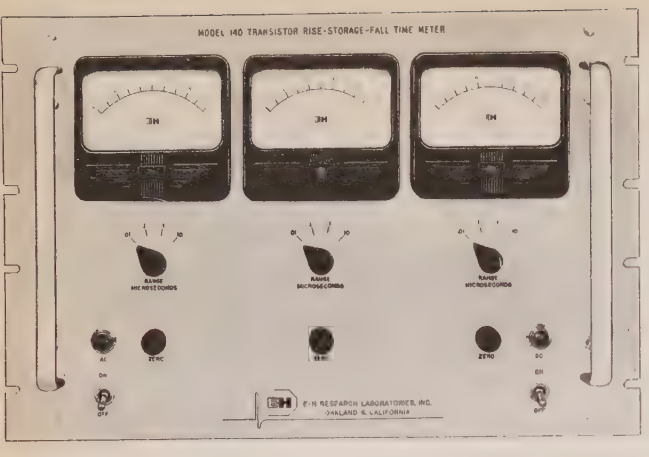
ULTIMATE RESOLUTION
3×10^{-9} second

MAXIMUM OVERALL INPUT RATE
5% duty factor

TRIGGERED OUTPUT
Positive 10 volt, 1 microsecond pulse into 125 ohms

TRIGGER LEVEL
voltage control for amplitude selection of coincidence pulses

DIMENSIONS
standard rack panel
7 inches high



MODEL 140

A transistor RISE, STORAGE AND FALL TIME METER for fast millimicrosecond-accurate measurements you read directly.

Here is a great new advance in metering—an instrument which makes possible quick, simple measurements to millimicrosecond accuracy. Three independent channels of time measurement are provided. Each has individual adjustable voltage discriminators, permitting measurements of any three times of interest over the delay, rise storage or fall of the switching transient characteristic. E-H Model 140 is designed primarily for fast measurement of rise, storage and fall time parameters of transistors in saturated mode operation. It is also useful for transient response measurement of diodes, cables, pulse transformers, delay lines, amplifiers and similar high speed devices. Like all E-H instruments, the 140 is conservatively designed for trouble-free performance. Top quality components are used throughout.

TIME DIFFERENCE CHANNELS (Three)

RANGES: 10 millimicroseconds full scale to 10 microseconds full scale—four ranges
READOUT: 1 volt full scale at BNC connector and panel meter for each channel
READOUT TIME: Less than 100 milliseconds
ACCURACY: 7% ± 2 millimicroseconds

POWER SUPPLY (for transistor collector)

VOLTAGE: 3 to 20 volts, continuously variable
CURRENT: up to 1 ampere available

MERCURY PULSER (Base drive)

RISE AND FALL TIME: Less than 2 millimicroseconds
REPETITION RATE: 60 cps
AMPLITUDE: 3 to 20 volts, continuously variable

BIAS SUPPLY:

up to 10 MA available

PREAMPLIFIERS

Separate preamplifiers are available for testing either PNP transistors, NPN transistors, or diodes; the preamplifiers may be remotely located at the test fixture
Model 141-PNP (for PNP transistors)
Model 141-NPN (for NPN transistors)
Model 141-DI (for Diodes)

PRICE $3750

The Model 140 comes equipped with any ONE preamplifier — additional preamplifiers are priced at $600.00 each.

E-H REPRESENTATIVES

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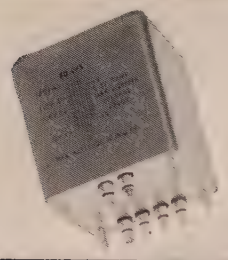
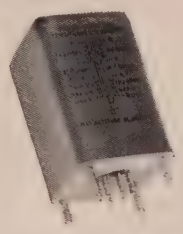
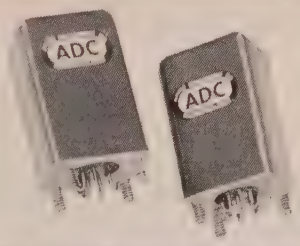


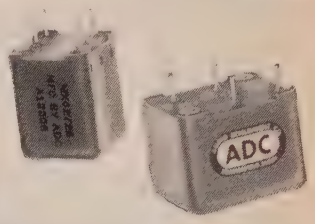
Military Standard POWER Transformers—Types MS-90016 through MS-90036.



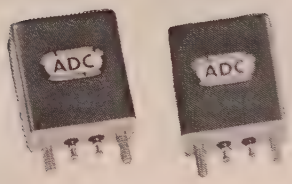
Military Standard AUDIO Transformers—Types MS-90000 through MS-90008.



Sub-Miniature, hermetically sealed, low frequency inductors and transformers.

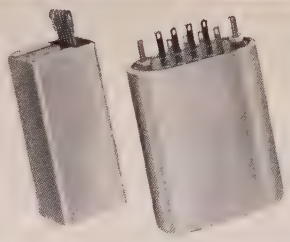


Transformers and filters for TRANSISTOR and PRINTED CIRCUIT applications to meet MIL-T-27A Grade 5, Class R or S.

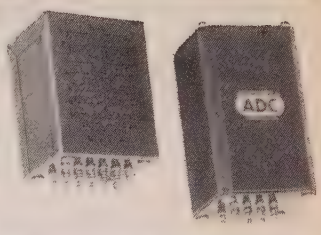


Toroids—Hermetically sealed or open units for all frequency ranges.

Filters—Sub-Audio to 1.5 mcs.



Telephone Coils—Mechanically and electrically interchangeable with Western Electric.



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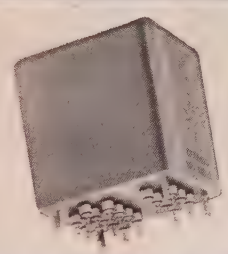
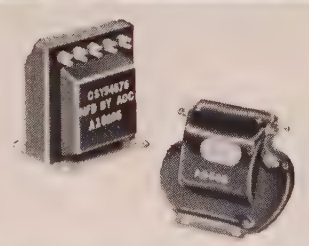
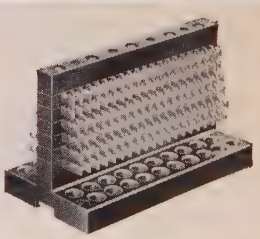
Magnetic Amplifiers and Saturable Transformers—For servo motor control; DC-DC Power Supplies, and switching silicon controlled rectifiers.



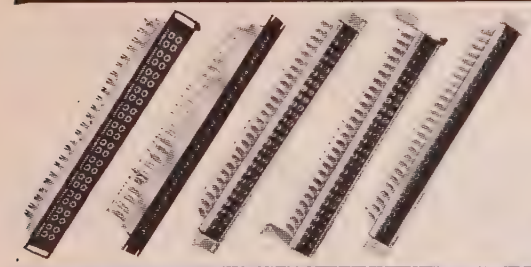
Balanced Modulators—Designs over a wide range up to 500 kcs.



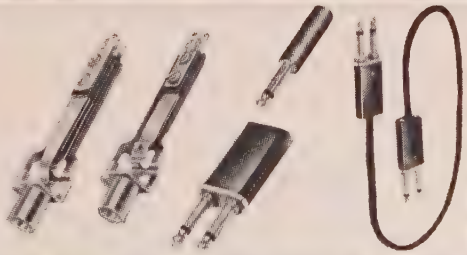
Encapsulated Transformers—Using custom epoxy compounds for military and commercial applications.



Terminal Blocks—Molded to your specifications. Six popular sizes in stock.



Jack Panels—Several size panels in stock.



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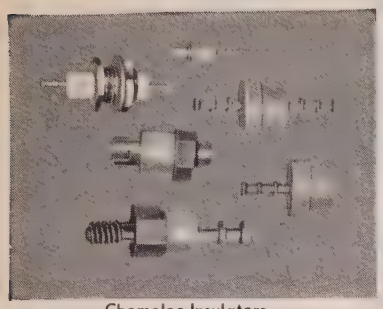
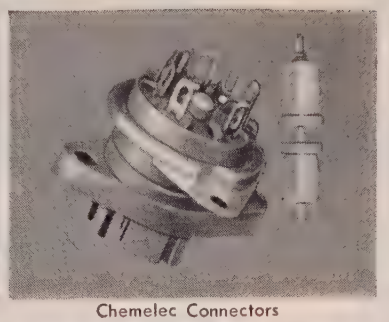
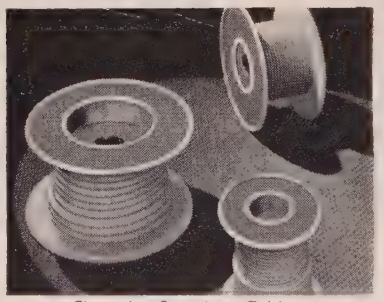
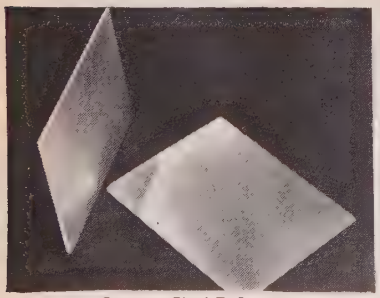
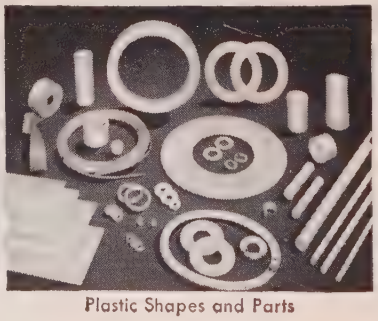

Chemelec Insulators


Chemelec Connectors

Chemelec Socket


Chemelec Spaghetti Tubing


Copper Clad Teflon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Chemelec Connectors come in single pin compression mounted type with Teflon TFE insulator, miniature 9-pin tube base type with insulator of Teflon FEP and Kel-F†. Individual connectors and test points available, coded with standard RMA colors.

Chemelec Tube Sockets are available in 7- and 9-pin miniatures . . . shield base and top and bottom-mounting saddle types. Insulators of Teflon FEP and Kel-F. Also, crystal sockets and compression-mounted miniature and sub-miniature tube and transistor sockets of Teflon TFE.

Chemelec Teflon Spaghetti Tubing is extremely flexible. 500 to 1000 volts/mil dielectric strength, lowest dielectric constant (2.0) and dissipation factor (0.0002). Comes in thin, standard, heavy-wall. Available in RMA colors.

Copper Clad Teflon for printed circuit boards and cable strips has a bond strength of 7 lbs./in. cu. to Teflon, is unaffected by 500°F solder. Offers uniform dielectric constant (2.05) and dissipation factor (0.002) . . . resists delamination. Available in sheet and tape form.

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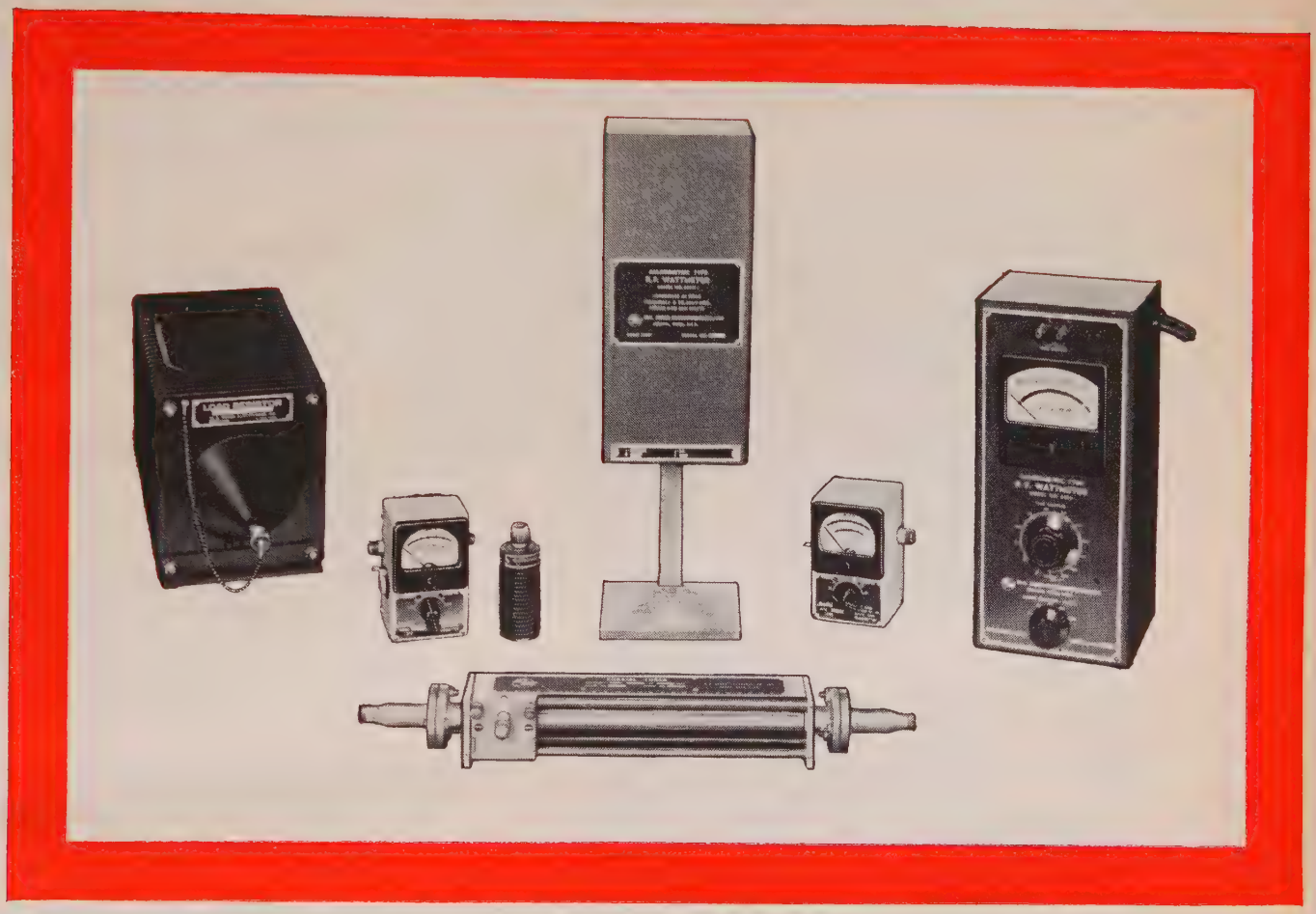

MicroMatch equipment is used to establish a reference standard of RF power to an accuracy of better than 1% of absolute.

THE 641N CALORIMETRIC WATTMETER establishes RF power reference of an accuracy of 1% of value read, and is used to calibrate other wattmeters. Five power scales, 0-3, 3-10, 10-30, 30-100, and 100-300 watts, are incorporated in the wattmeters for use in the 0-3000 mcs range.

711N and 712N FEED-THROUGH WATTMETERS, after comparison with the 641N, can be used continuously as secondary standards and over the same frequency range as covered by the primary standard. The MODEL 711N is a multi-range instrument covering power levels from 0 to 300 watts in three ranges, 0-30, 30-75, and 75-300 watts. MODEL 712N covers power levels of 0 to 10 watts in three switch positions, 0-2.5, 2.5-5, and 5-10 watts full scale.

636N and 603N RF LOAD RESISTORS absorb incident power during measurements. MODEL 636N is rated at 600 watts, and MODEL 603N is rated at 20 watts. Both models perform satisfactorily over the entire frequency range to 3000 mcs. These loads, in conjunction with the MODELS 711N and 712N Feed-through Wattmeters, form excellent absorption type wattmeters.

152N COAXIAL TUNER is used to decrease to 1.000 the residual VSWR in a load. The tuner is rated at 100 watts, and its frequency range is 500-4000 mcs.

For more information on Tuners, Directional Couplers, RF Loads, etc., write:

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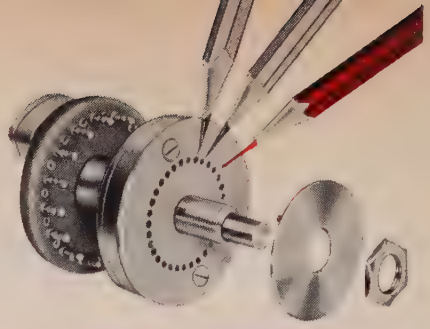

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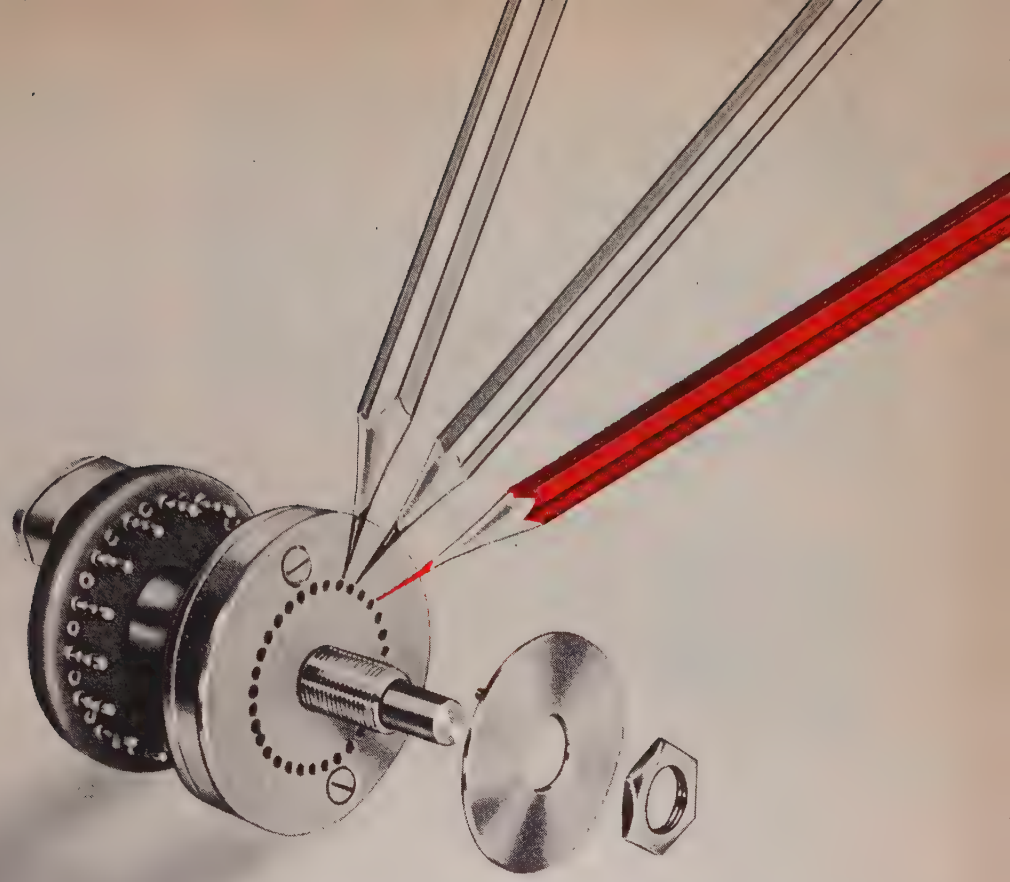

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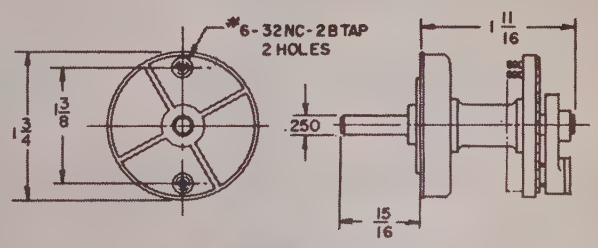

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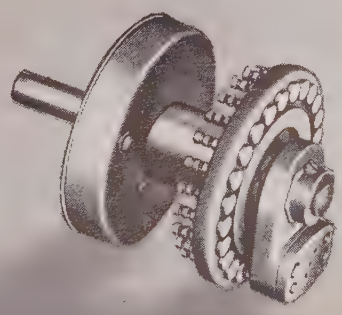

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TYPE 314-A LOW-IMPEDANCE Z-ANGLE® METER — Frequency of 30-1000 cps, impedance-magnitude range of 0.005-1000 ohms accurate to ±1%, and dissipation-factor range of 0 to infinity. Phase angles measured from −90° to 0° to +90° with accuracy of ±1° from 30°-90° and ±2° from 5°-30°.

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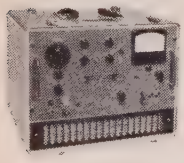

Measures the absolute amplitude and relative delay characteristics of 600 ohm transmission circuits in the frequency range from 200 cycles to 24 kc. The instrument consists of two basic units: the 451-A Transmitter and the 452-A Receiver. Overall precision and accuracy of ±50 microseconds and a drift rate not exceeding ±50 microseconds per 30 minutes.

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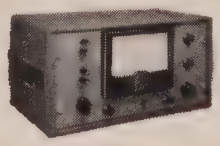
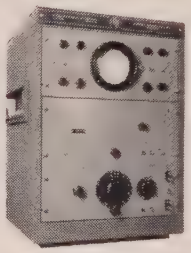


TYPE 328-A TRANSISTORIZED PHASE METER — Frequency range 10 cps to 50 kc. Direct reading from 0 to 360° in 6 ranges of 60° each on large 5" meter scale. Absolute accuracy of 1° from 10 cps to 10 kc. Amplitude range .25 to 170 volts peak except at low frequencies. Input Impedance: one megohm shunted by 20 mmf. for each channel. Internal output impedance is approx. 100,000 ohms. Recorder connector provided. Power: 105-125 volts, 60 cycle ac, 20 watts. Terminals provided for operating from an external 45 volt battery, 50 mil drain.

TYPE 709-A BROADBAND SECONDARY PHASE STANDARD — Accurately calibrates phase measuring instruments but can also measure phase when used in conjunction with oscilloscope. Develops 2 sinusoidal signals continuously variable from 0° to 360° with respect to each other when fed from oscillator. Range is 20 cps to 20 kc. Accuracy of ±1° from 20 cps to 10 kc; ±3° from 10 kc to 20 kc. High input impedance, low output impedance. Inherent distortion less than 1%. 0.5 to 5-volt output varies less than ±2% with phase shift. Also available as 709-AR (rack mount).



TYPE 7000-B AUDIO PRIMARY PHASE STANDARD — Designed for calibration of phase detectors and phase shifting devices but can also be used to measure phase shift. Consists of Type 703-A Oscilloscope, Type 704-B Secondary Phase Standard, and Type 707-B Lissajous Generator. Supplies 2 sinusoidal signals of same frequency whose phase relationship is continuously variable from 0° to 360° with ±0.05° accuracy. Any single frequency available from 30 cps to 20 kc. Output of 1 to 12 volts rms from impedance of approximately 200 ohms.

TYPE 706-A ULTRA-SONIC PRIMARY PHASE STANDARD — Calibrates high frequency phase meters, phase detectors, and phase-shifting devices. Generates 2 sine-wave signals having variable phase difference 0° to 360° at any specified single frequency 20 kc to 200 kc. Phase angle accuracy of ±0.1 degree set by observation of multiple frequency Lissajous pattern on built-in scope. Also available as 706-AR.

NEW

TYPE 714-A PRECISION PHASE STANDARD — A fixed frequency (400 cps) device that produces accurately-known phase angles at its output terminals. Can be used as a phase shifter or phase standard, does not require application of precise input frequency. Has excellent phase angle stability, and is extremely simple to operate. Phase angle selector offers choice of settings: 0°, 30°, 60°, 90°, 120°, 150°, and 180° with others on special order. Is accurate to ±0.1°. Also available as 714-AR (rack mount).

TYPE 335-A ULTRA-LOW FREQUENCY PHASE METER — Covers from .0001 cps. to 1 cps. Direct reading from 0° to 360° in 6 ranges of 60° each on large 5" meter scale. Accuracy ±1°

POTENTIOMETER TESTING EQUIPMENT

TYPE 394-A PONOGOMETER® — Measures equivalent noise resistance (ENR) of single or multiturn precision potentiometers. Provides for establishing threshold level of ENR from 10-2000 ohms. ENR's above threshold level established produce both visual and audio indication. Frequency response flat to 50 kc. Accuracy is ±(3% of threshold value + 3 ohms.) Recovery time is 1.5 seconds maximum. Also available as 394-AR (rack mount.) Ideal for incoming inspection or laboratory analysis.

TYPE 395-C PONOGOMETER® STANDARD — Calibrates 394-A.

TYPE 396-B PONOGOMETER® ATTENUATOR — Extends range of threshold resistance of 394-A to 100 k ohms. Available as 396-BR (rack mount).

ACTON LABORATORIES, INC.
SUBSIDIARY OF
TECHNOLOGY INSTRUMENT CORPORATION

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A COMPLETE LINE OF PRECISION POTENTIOMETERS

TRIMMER POTENTIOMETERS

MINIATURE BOX TRIMMERS — five wirewound and metallic film types, permitting fine control of trimmer setting. Temperature ranges to 225°C., wide choice of sizes, reliable operation under severe environmental conditions.

MINIATURE ROTARY TRIMMERS — five standard types providing greater resistance ranges and power ratings. Operate to temperature of 145°C. Diameters from ½" to ⅞", can be ganged on common shaft.

PANEL CONTROLS

TP SERIES — a complete line of six types in diameters from ½" to 2". Are rotary, high torque, wirewound, single-turn pots, designed for panel mounting to be operated with a knob or precision calibrated dial drive. For applications in airborne or ground control equipment.

MTF SERIES — three, five, and ten-turn types of panel controls housed in corrosion-resistant box-like enclosures. Resistance element is TIC's famous metallic film resistance element. All have ½" diameters.

P SERIES — three rotary types especially designed for high precision, low cost commercial applications. All are single-turn, wirewound.

SERVO POTENTIOMETERS

PVR SERIES — seven single-turn, wirewound types with diameters from ½" to 3". High precision, low torque, multi-tap for use in automatic control and servo systems to be integrated in high precision electromechanical assemblies.

MULTITURNS — five highly reliable multiturn types with diameters of ⅞" or 1⅞". Used in military equipment servo systems.

UNITIZED CONSTRUCTION SERIES — two types with 1¾" or 2" diameters. Have special coupling device for speedy assembly or disassembly of multi-ganged units.

METALLIC FILM SERIES — featuring infinite resolution, four types available with TIC's revolutionary "capsule contact" design to greatly increase operating life.

P SERIES — commercial grade (non Mil spec) low cost series with three single-turn, wirewound types in diameters of 1¼", 1⅝", 3". High accuracy, low torque, low noise, long life.

TRANSDUCERS

DISPLACEMENT • PRESSURE

Four types available to receive a linear actuation (translational) motion. Pressure transducers also available to provide high resistance pick-offs having linear or non-linear functions, measure absolute, gage, or differential pressures.

Technology Instrument Corporation is one of the world's largest manufacturers of potentiometers, supplying companies throughout the nation with the most advanced pots. Special engineering services and factory consultation are available to meet the potentiometer needs of customers. Contact TIC for a free copy of its 200-page catalog with full details on the most complete line of potentiometers.

STANDARD BOX TRIMMER POTS IN-STOCK THROUGHOUT THE NATION FOR FAST DELIVERIES

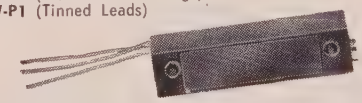
Here are your stocking points —

- Rutherford, N. J. — Tel. WEbster 9-7217
- Los Angeles, Calif. — Tel. MAdison 3-6185
- Franklin Park, Ill. — Tel. GLadstone 1-1140
- Dallas, Texas — Tel. FLeetwood 1-9947
- Tucson, Ariz. — Tel. MAin 2-1092
- Acton, Mass. — Tel. COlonial 3-7711
  Boston — LIberty 2-2518

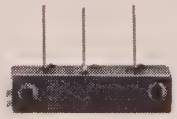
The four standard TIC box trimmer potentiometers are ready for immediate shipment to you from any of six convenient stocking points. Simply call any of the locations, and TIC box trimmers will be on their way to you in a hurry. You save time . . . you keep your production lines moving without delay.

And, as an extra feature, TIC has simplified your selection of standard box trimmers. They have all the features you need in four types, with a choice of mountings. All are virtually hermetically sealed for moisture proof operation. In type designations, letter "W" indicates pot is wirewound, "F" metallic film resistance with infinite resolution.

TYPES	RES. CODE	RES. OHMS
25 turn lead screw adjustment (9000°)		
RTW-W1 (Wire Leads)	500	50
RTW-L1 (Printed Circuit Lugs)	101	100
RTW-L2 (Printed Circuit Lugs)	501	500
RTW-P1 (Tinned Leads)	102	1K
	502	5K
	103	10K
	253	25K
	503	50K
	104	100K



25 turn lead screw adjustment (9000°)		
RTF-W1 (Wire Leads)	500	50
RTF-L1 (Printed Circuit Lugs)	101	100
RTF-L2 (Printed Circuit Lugs)	501	500
RTF-P1 (Tinned Leads)	102	1K
	502	5K
	103	10K
	253	25K



25 turn lead screw adjustment (9000°)		
RWT-1 (Wire Leads)	500	50
	101	100
	251	250
	501	500
	751	750
	102	1K
	252	2.5K
	502	5K
	752	7.5K
	103	10K
	153	20K ± 5%

37 turn lead screw adjustment (33320°)		
TPC-P1 (Tinned Leads for Printed Circuits)	500	50
	101	100
	501	500
	102	1K
	502	5K
	103	10K
	203	20K
	303	30K

Contact your nearest TIC stocking point for details on quantity discounts available for all standard models.

TECHNOLOGY INSTRUMENT CORPORATION SALES

TECHNOLOGY INSTRUMENT CORPORATION

569A MAIN STREET • ACTON, MASS.

SUBSIDIARIES:
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MID-EASTERN ELECTRONICS, INC.

MID-EASTERN'S NEWEST LINE OF TRANSISTORIZED POWER SUPPLIES — THE ST SERIES

- **Extremely high reliability**
- **Incomparable ease of servicing — interchangeable plug-in modules**
- **Economy — on a dollars-per-watt basis Mid-Eastern Power Supplies are the best buy on the market.**

SPECIFICATIONS

INPUT: 100-135 Vac, 60 cps, single phase.

OUTPUT VOLTAGE: Continuously variable over entire range down to approximately 100 millivolts. Vernier control provides approximately one volt variation for full rotation at all settings.

POLARITY: Output completely floating; either positive or negative side may be grounded.

LINE REGULATION: 0.005% of maximum rated voltage for line changes from 100 to 135 Vac, over the output voltage range from 0.5 volts to maximum rated voltage.

LOAD REGULATION: The following figures refer to the percentage of maximum rated voltage for zero to full load changes, over the output voltage range from 0.5 volts to maximum rated voltage.

0- 18V units	0.05%
0- 36V units	0.03%
0- 60V units	0.02%
0-100V units	0.01%

For smaller current step changes, load regulation percentage will be reduced proportionately.

RIPPLE: Less than 500 microvolts, rms.

OVERSHOOT: Less than 1%. There is no overshoot when power supply is turned on.

TRANSIENTS: Output voltage does not rise above the voltage setting when the line is interrupted, either momentarily or permanently.

RECOVERY TIME: Units up to and including 10 ampere rating exhibit a typical recovery time of 50 microseconds for half current step changes. Units with current ratings above 10 amperes exhibit a typical recovery time of 100 microseconds for half current step changes.

OVERLOAD PROTECTION: Automatic protection is afforded by a magnetic line voltage regulation circuit; at short circuit condition the power transistors are required to dissipate considerably less power than at full load.

No fuses are used. An automatic overload circuit cuts off the supply when the output current exceeds a preselected point, which is continuously variable above 30% of rated current by means of a front panel control.

PROGRAMMING: All units may be programmed from a distant point over a narrow voltage range. As an example, the ST 18-6 can be programmed over a 2 volt range at 6 amperes and over a 10 volt range at no load, points between being proportional. (Mid-Eastern manufactures several types of completely programmable power supplies — all are fully transistorized; please consult appropriate data sheets.)

EXTERNAL SENSING: All units are equipped for remote load change sensing to maintain output voltage within regulation limits at the load.

CONSTANT CURRENT OPERATION: All units may be connected for constant current operation.

STABILITY: A carefully temperature compensated reference source limits average drift due to temperature change to 0.02%/°C.

A precision potentiometer is used to minimize instability caused by wiper arm contact noise, thus preventing adverse effects due to shock and vibration.

AMBIENT TEMPERATURE: Units may be operated continuously at full load at ambients up to 55°C. At half load, units may be operated continuously up to 65°C.

PLUG-IN MODULES: Each supply utilizes three plug-in units; a bias supply, an amplifier, and a unit housing the automatic overload circuitry. These three plug-ins are identical for all 19 models, providing simplicity of servicing and a minimum problem in stocking spare parts. Each plug-in has a different socket configuration to insure proper placement.

Spare plug-in modules are priced at $60.00 each. A replacement service provides rebuilt modules at $30.00 upon the return of old units.

REGULATED AC OUTPUT: Each unit is equipped with a rear receptical which provides a source of 60 cps single phase regulated power at approximately 120 volts, which is maintained within ±1% for line changes from 100 to 135 Vac. The power available equals that portion of the DC power rating of the supply not being utilized as DC output.

DIMENSIONS: Standard 19" rack panel with chassis extending 15" behind panel.

METERING: Prices listed include 3½" 2% ammeter and voltmeter as standard equipment.

TROUBLESHOOTING DATA: Furnished with each unit are overall schematics, plug-in and heat sink assembly schematics, complete parts lists, step by step adjustment procedure and detailed troubleshooting procedures for overall unit and for each plug-in module and sub-assembly. Commercial parts data is included where applicable.

NEW STANDARD MODELS

MODEL	DC OUTPUT		PANEL HEIGHT IN INCHES	UNIT PRICE
	VOLTS	AMPERES		
ST18 —6	0—18	0—6	5¼	$ 595
ST18 —9	0—18	0—9	7	750
ST18 —12	0—18	0—12	8¾	845
ST18 —18	0—18	0—18	10½	950
ST18 —35	0—18	0—35	8¾+8¾	1595
ST36 —3	0—36	0—3	5¼	595
ST36 —6	0—36	0—6	7	695
ST36 —10	0—36	0—10	10½	795
ST36 —15	0—36	0—15	8¾+8¾	985
ST36 —22	0—36	0—22	8¾+8¾	1225
ST60 —1.5	0—60	0—1.5	5¼	595
ST60 —4	0—60	0—4	7	725
ST60 —6	0—60	0—6	8¾	825
ST60 —10	0—60	0—10	8¾+8¾	1095
ST60 —15	0—60	0—15	8¾+8¾	1395
ST100—1	0—100	0—1	5¼	595
ST100—3	0—100	0—3	8¾	825
ST100—5	0—100	0—5	10½	995
ST100—10	0—100	0—10	8¾+8¾	1595

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

TERMS: Net 30 days F.O.B., Springfield, N. J.

DELIVERY: Stock to 3 weeks on initial units for any 1 order.

OTHER STANDARD PRODUCT LINES MANUFACTURED BY MID-EASTERN

High Power Transistorized Power Supplies (ex.: 0-65V @ 50A) • Fully Programmable Transistorized Power Supplies • Plug-in Transistorized Power Supplies • Miniature Portable transistorized Power Supplies • Ultra-High Resistance Measuring Equipment and Standards • AC & DC Meter Calibration Equipment.

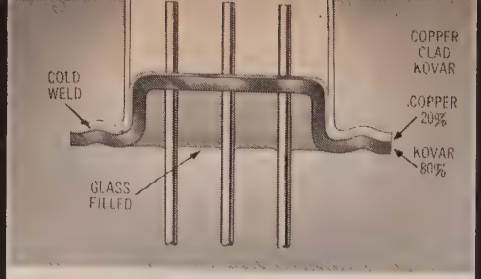
The company also maintains a completely separate department to develop special Power Supply Systems using modular methods.

Send us an inquiry on your specific requirements.

MID-EASTERN ELECTRONICS, INC. • 32 COMMERCE ST., SPRINGFIELD, N. J. • PHONE DREXEL 6-7130

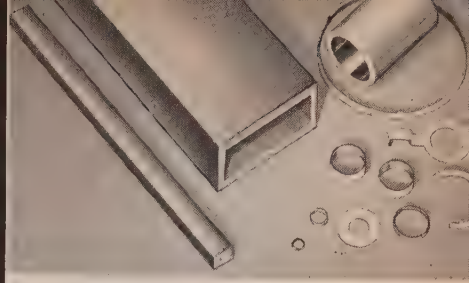
ALIRON® Copper-Base and Copper-Cored

Three-layer and five-layer materials used for anodes in rectifier and amplifier tubes. Provide longer power output life . . . uniform heat dissipation . . . high electrical conductivity . . . improved anode reradiation . . . and reduce costs.



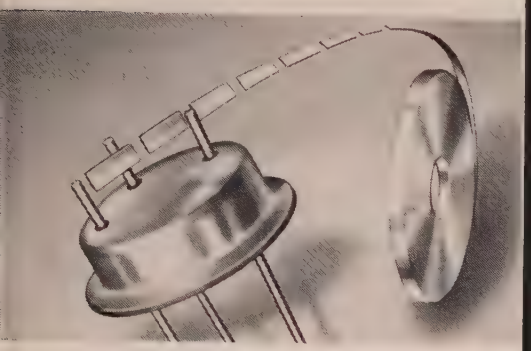
COPPER CLAD KOVAR

For thermal compression bonding of glass seals in transistor applications. Kovar matches expansion rate of glass . . . copper is used as heat sink. Heat transfer is improved . . . permits cold welding, instead of seam welds . . . reduce production time in packaging.



RECTANGULAR WAVE GUIDE TUBING and COLLECTOR OR SLIP RINGS

For transmission lines in electronic equipment. Seamless tubing made of gold or silver-lined copper or nickel alloys; carbon and stainless steel. Available to government MS90035 or customers specifications. Collector rings are fabricated from gold, silver, platinum, alloys and clad metals.



TIN CLAD NICKEL

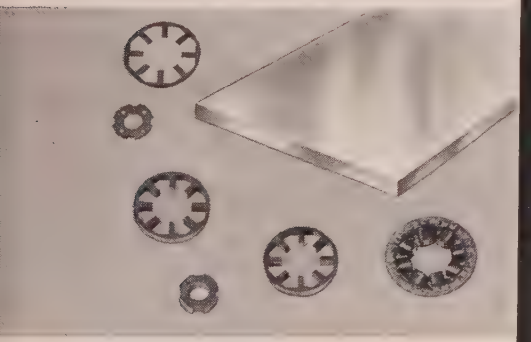
An improved material for Germanium transistor base tabs, emitters and collector connectors. Pure tin or tin alloy inseparably bonded to electronic grade nickel eliminates voids and inclusions. Provides perfect wetting during soldering . . . improves performance . . . lowers costs.

PLATINUM THERMOCOUPLE WIRE

Pure platinum, 10% or 13% rhodium platinum wire in either standard or premium grade, calibrated to emf values established by National Bureau of Standards, available from stock. Supplied in commercial grade 99.8 or where requested to 99.999. Shipped spooled and packaged in dust-proof containers.

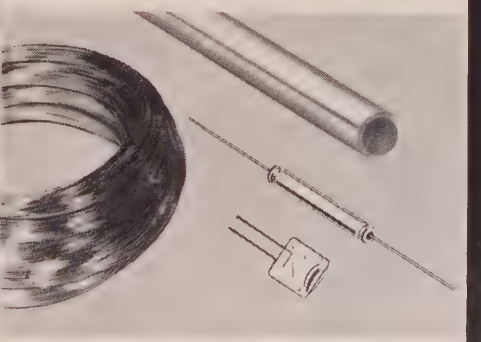
COPPER-CORED GLASS SEALING WIRES

Featuring a sound metallurgical bond, these wires give three times greater conductivity than solid 52 alloy wire of equal diameter . . . they facilitate miniaturization. Features include: leakproof seal between alloy and core, high electrical and thermal conductivity, lower costs.



ALUMINUM-IRON ALLOYS

For magnetic applications requiring low core losses and high permeability at low flux densities in current and pulse transformers, relays, gyro mechanisms, servomechanisms, missile guidance systems, etc.



SOLID, CLAD and CORED WIRE

Gold and silver and their alloys clad to copper and alloys, nickel and alloys, carbon and stainless steels. .003" diameter (min.) up to rod size 1" diameter. Applications include, electronic tubes, center conductors for coaxial cable, communications equipment, capacitors, resistors, etc.

RHODIUM PLATING SOLUTIONS

Used for industrial and decorative plating to provide brilliance, corrosion and tarnish protection. Services include: Analytical service for electroplating bath control, testing, consultation and laboratory analysis, bath analysis, and complete refinery facilities to reclaim contaminated solutions.

GENERAL PLATE MATERIALS FOR THE ELECTRONICS INDUSTRY . . .

Solve Design Problems — Provide High Performance Reliability

General Plate Clad precious-to-base or base-to-base metals are inseparably bonded by a patented solid-phase bonding process without the use of brazing alloys or other intermediate material.

If you are seeking metals with useful characteristics that can't be found in a single metal or alloy, investigate clad metals. If you want stronger or lighter components — or better electrical and mechanical properties — or fewer corrosion problems — or if you are interested in conserving critical metals or reducing parts costs, you can profit by using General Plate Clad Metals.

Write for a General Plate Clad Base Metals catalog today. Or better yet, why not talk over your requirements with a competent field engineer? His knowledge of the applications of clad metals is yours for the asking. No obligation, of course.

TEXAS INSTRUMENTS
INCORPORATED
METALS & CONTROLS DIVISION
310 FOREST STREET • ATTLEBORO, MASS.

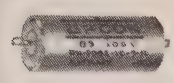
GENERAL PLATE PRODUCTS: Clad Metals • Electrical Contacts • Truflex® Thermostat Metal • Gold, Silver, Platinum and other Precious Metal Products

EFCON CAPACITORS

for all industrial, military and commercial applications

For economy . . . for quality . . . Specify EFCON plastic film capacitors. They have earned an enviable reputation for dependability and high level performance in filters, timing circuits, analog and digital computers . . . plus many other applications.

STYLE Z

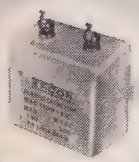

STYLE ZL

STYLE WL

STYLE V

STYLE C

STYLE F


STYLE T

STYLE N

TYPE AG
STYLE S

HIGH STABILITY
TYPE RH

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Jamaica 33, New York

FOR COMPLETE TECHNICAL AND ENGINEERING DATA ON THE TYPES AND STYLES ILLUSTRATED, WRITE TO:

TYPE DESIGNATION

Symbol	Dielectric Material	Case Description	Temperature Range
MC	Mylar*	Impregnated Cardb'd Tube	−60°C to +85°C
MD	Mylar*	Epoxy Encapsulated	−60°C to +150°C
MH	Mylar*	Hermetically Sealed	−60°C to +85°C
MHH	Mylar*	Hermetically Sealed	−60°C to +125°C
PC	Polystyrene	Impregnated Cardb'd Tube	−65°C to +85°C
PH	Polystyrene	Hermetically Sealed	−65°C to +85°C
RH	Polystyrene	Hermetically Sealed	−55°C to +85°C
TH	Teflon	Hermetically Sealed	−65°C to +200°C
AG	Special Plastic	Glass Cased "Glasscon"®	−60°C to +125°C

* DuPont Trademark

STYLE AND DESCRIPTION

Capacitor Section Insulated From Case (Glass-to-Metal Terminal At Each End)	Capacitor Section Grounded To Case (Glass-to-Metal Terminal At One End)	Other Styles
Z — internally insulated (floating construction). V — with tangential soldered-on bracket. W — screw neck mounting type (minimum case diameter is .312"). F — parallel leads (for printed circuits). Y — internally insulated (floating construction) with plastic outer sleeve. O — internally insulated, parallel leads, one end with angle bracket for mounting. Q — as per Style Z, with double stud mounting on case body.	A — as per Style Z, with one end grounded. D — with tangential soldered-on bracket. C — screw neck mounting type (min. case diam. is .312"). B — as per Style A above, with plastic outer sleeve. M — axial stud at grounded end. K — as per Style Q, with one end grounded.	T — bathtub construction. N — upright rectangular container construction. P — internally insulated, parallel leads one end. S — axial screw studs ("Glasscon" only). R — epoxy end fill. Add "L" after the basic style designating letter for solder lug terminals instead of axial leads (except styles F, S and R and types MC, MD and PC).

EFCON's prime stock-in-trade lies in providing precise capacitance values for precise circuit applications . . . the closest tolerances in the industry . . . the highest reliability. Thanks to advanced engineering and special production techniques EFCON capacitors are consistently made to tolerances closer than ± 1% . . . and available in capacitance value from .001 mfd. to 10 mfd. EFCON capacitors feature the lowest dissipation factor of any film capacitors. They are tested at a D.C. voltage of at least 200 percent of rated voltage at 25°C.

You no longer need compromise circuit design because of unusual requirements in capacitance value, tolerance, case size or configuration. EFCON specializes in filling your "odd ball" design needs in single units or by the thousands . . . non-standard units costing no more than standard units.

EFCON, INCORPORATED • Patterson Place, Roosevelt Field • Garden City, Long Island, New York • Phone: Pioneer 1-4200

SOLID ELECTROLYTE TANTALUM CAPACITORS

EFCON type STP capacitors are solid electrolyte, sintered porous tantalum anode electrolytic capacitors. Because of the complete absence of volatile liquids and a true hermetic seal they will withstand the most critical environmental conditions imposed by military and industrial usage. Raw materials used in EFCON type STP capacitors undergo rigid quality control checks before incorporation in the device. In addition, the type STP capacitor is manufactured by experienced personnel, insuring high standards of workmanship. EFCON type STP provides the user with a highly reliable, versatile and compact capacitor, equal to or exceeding the requirements of specification MIL-C-26655A.

PART NUMBERING CODE

STP	226	06	Y	B	1
EFCON TYPE	CAPACITANCE	VOLTAGE	CAPACITANCE TOLERANCE	CASE CODE	STYLE NUMBER

TYPE: solid electrolyte tantalum sintered slug capacitor, polarized, tubular, metal encased, hermetically sealed.

CAPACITANCE: expressed in micro-microfarads. First two digits are significant figures; third is number of zeros following.

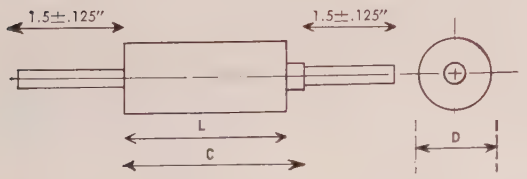
D.C. VOLTAGE: Maximum D.C. working voltage at 85°C expressed in volts. Where necessary to complete the two digit block, a zero is used to precede the voltage rating.

CAPACITANCE TOLERANCE: X = ±10%; Y = ±20% (Standard tolerance is ±20%)

CASE CODE: See Dimensions Table below.

STYLE NUMBER: 1 = no outer sleeve
2 = with rigid insulating sleeve
3 = with flexible insulating sleeve

DIMENSIONS



CASE CODE	D +.010 −.005 (INCH)	L±.031 (INCH)	C±.031 (INCH)	WIRE SIZE (A.W.G.)	WITH RIGID SLEEVING D±.010 (INCH)	WITH RIGID SLEEVING L±.031 (INCH)	WITH FLEXIBLE SLEEVING D +.010 −.005 (INCH)	WITH FLEXIBLE SLEEVING L±.031 (INCH)
A	.125	.250	L+.141	#24	.135	.322	.135	.322
B	.175	.438	L+.141	#24	.185	.510	.185	.510
C	.279	.650	L+.141	#22	.289	.722	.289	.722
D	.341	.750	L+.141	#22	.351	.822	.351	.822

Note: Unless otherwise specified EFCON will supply a ±20% capacitance tolerance capacitor without an insulating sleeve.

ORDERING INFORMATION

EFCON PART NO.	CAPACITY MFD.	WORKING VOLTS—DC 85°C	WORKING VOLTS—DC 125°C	SURGE VOLTS 85°C	SURGE VOLTS 125°C	CASE CODE
STP105C6YA1	1.0	6	4	8	5	A
STP15506YA1	1.5	6	4	8	5	A
STP22506YA1	2.2	6	4	8	5	A
STP33506YA1	3.3	6	4	8	5	A
STP47506YA1	4.7	6	4	8	5	A
STP68506YA1	6.8	6	4	8	5	A
STP10606YB1	10	6	4	8	5	B
STP15606YB1	15	6	4	8	5	B
STP22606YB1	22	6	4	8	5	B
STP33606YB1	33	6	4	8	5	B
STP47606YB1	47	6	4	8	5	B
STP68606YC1	68	6	4	8	5	C
STP10706YC1	100	6	4	8	5	C
STP15706YC1	150	6	4	8	5	C
STP22706YD1	220	6	4	8	5	D
STP33706YD1	330	6	4	8	5	D
STP10510YA1	1.0	10	7	12	8	A
STP15510YA1	1.5	10	7	12	8	A
STP22510YA1	2.2	10	7	12	8	A
STP33510YA1	3.3	10	7	12	8	A
STP47510YA1	4.7	10	7	12	8	A
STP68510YB1	6.8	10	7	12	8	B
STP10610YB1	10	10	7	12	8	B
STP15610YB1	15	10	7	12	8	B
STP22610YB1	22	10	7	12	8	B
STP33610YB1	33	10	7	12	8	B
STP47610YC1	47	10	7	12	8	C
STP68610YC1	68	10	7	12	8	C
STP10710YC1	100	10	7	12	8	C
STP15710YD1	150	10	7	12	8	D
STP22710YD1	220	10	7	12	8	D
STP10515YA1	1.0	15	10	18	12	A
STP15515YA1	1.5	15	10	18	12	A
STP22515YA1	2.2	15	10	18	12	A
STP33515YA1	3.3	15	10	18	12	A
STP47515YB1	4.7	15	10	18	12	B
STP68515YB1	6.8	15	10	18	12	B
STP10615YB1	10	15	10	18	12	B
STP15615YB1	15	15	10	18	12	B
STP22615YB1	22	15	10	18	12	B
STP33615YC1	33	15	10	18	12	C
STP47615YC1	47	15	10	18	12	C
STP68615YC1	68	15	10	18	12	C
STP10715YD1	100	15	10	18	12	D
STP15715YD1	150	15	10	18	12	D
STP10520YA1	1.0	20	13	24	16	A
STP15520YA1	1.5	20	13	24	16	A
STP22520YA1	2.2	20	13	24	16	A
STP33520YB1	3.3	20	13	24	16	B
STP47520YB1	4.7	20	13	24	16	B
STP68520YB1	6.8	20	13	24	16	B
STP10620YB1	10	20	13	24	16	B
STP15620YB1	15	20	13	24	16	B
STP22620YC1	22	20	13	24	16	C
STP33620YC1	33	20	13	24	16	C
STP47620YC1	47	20	13	24	16	C
STP68620YD1	68	20	13	24	16	D
STP10720YD1	100	20	13	24	16	D
STP10535YA1	1.0	35	23	42	27	A
STP15535YA1	1.5	35	23	42	27	A
STP22535YB1	2.2	35	23	42	27	B
STP33535YB1	3.3	35	23	42	27	B
STP47535YB1	4.7	35	23	42	27	B
STP68535YB1	6.8	35	23	42	27	B
STP10635YC1	10	35	23	42	27	C
STP15635YC1	15	35	23	42	27	C
STP22635YC1	22	35	23	42	27	C
STP33635YD1	33	35	23	42	27	D
STP47635YD1	47	35	23	42	27	D

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Covers the complete range of Arnold Silectron Cores.

Bulletin TC-108 A
Describes properties, etc. of Arnold Bobbin Cores.

Bulletin PC-109
Essential data on Arnold Iron Powder Cores.

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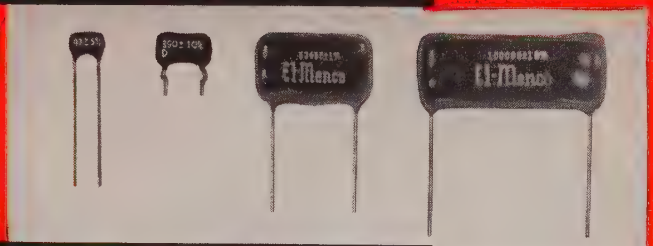

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- Available in 500 working volts DC and 1,000 working volts DC ratings.
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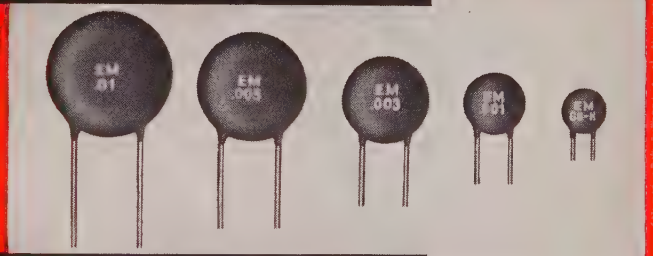
- Exceed all electrical requirements of E.I.A. specifications RS-198.



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Only 1 Failure in 7,168,000 Unit-Hours!

- Life tests at 100°C with rated voltage applied have yielding only 1 FAILURE PER 716,800 UNIT-HOURS for 1 MFD. Since the number of unit-hours of these capacitors is inversely proportional to the capacitance, 0.1 MFD Mylar-Paper Dipped capacitors will yield only 1 FAILURE PER 7,168,000 UNIT-HOURS!
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- Tolerances: ± 10% and ±20% (closer tolerances available).
- Dielectric strength: 2 or 2½ times rated voltage, depending upon working voltage.
- Exceed all electrical requirements of E.I.A. specification RS-164 and military specifications MIL-C-91A and MIL-C-25A.

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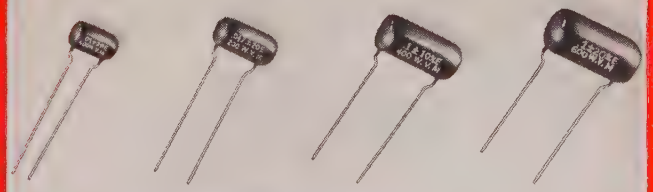

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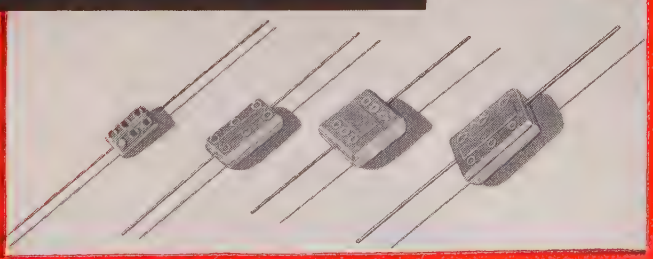

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GLOBAR® resistors are supplied in three broad classifications as described below. Wide experience with many specialized applications insures you of expert engineering assistance.

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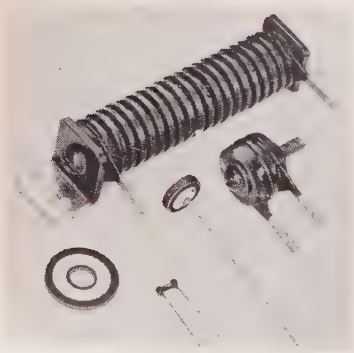
GLOBAR® fixed, non-inductive resistors are available in a wide range of sizes, shapes and compositions. Many of them have very low temperature and voltage coefficients and all sizes have exceptional power handling capabilities. These composition bodies utilize no films or windings and hence exhibit little or no inductance, depending on geometry. Sizes range from 2" long by ½" diameter up to 24" long by 2" diameter, providing ratings of 5 watts to 500 watts. Extreme short duration overloads, such as pulses with several megawatt peaks, can be dissipated with confidence. For details, write Globar Plant, Refractories Div., Dept. EBG-1, Carborundum Co., Niagara Falls, N. Y.

VARISTORS

GLOBAR Type BNR varistors are non-linear (voltage-sensitive) resistors for voltage control and stabilization applications. They are made from the highest electrical grade silicon carbide, ceramically bonded into disc, rod and cylindrical shapes. Flexible production facilities make possible a wide range of physical sizes, watt ratings and changes of resistance with applied voltage. For details, write Globar Plant, Refractories Div., Dept. EBG-2, Carborundum Co., Niagara Falls, N. Y.

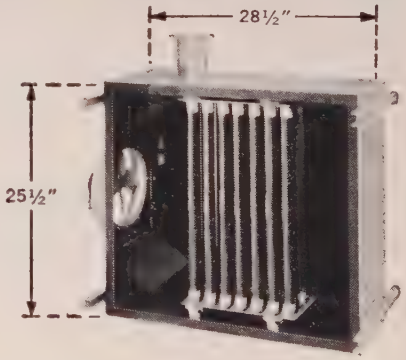
THERMISTORS



GLOBAR Types B, F and H thermistors are non-linear, negative temperature coefficient resistors, available with coefficients from approximately .3%°C to 5.1%°C at 25°C. Disc and rod shape bodies can be manufactured in a wide range of sizes to provide desired resistance values, thermal time and dissipation constants and temperature coefficients for a variety of electronic circuits. For details, write Globar Plant, Refractories Div., Dept. EBG-3, Carborundum Co., Niagara Falls, N. Y.

RESISTOR TEST KITS for development work

For those who would like to experiment with possible applications of GLOBAR thermistors, varistors and high temperature resistors, test kits are available at a nominal charge. Each kit contains 6 thermistors or varistors of the value specified for that test kit. Selection may be made from various types and ratings. For information on kits available, write Globar Plant, Refractories Div., Dept. EGB-4, Carborundum Co., Niagara Falls, N. Y.



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Designed to individual customer requirements, these loads are completely assembled by the Globar plant. They utilize GLOBAR® high power, non-inductive resistors mounted in such a fashion as to present the lowest possible inductance.

A typical modulator load is pictured above. Peak pulse voltage is 12 kv and average power rating is 10 kw. The load is cooled by forced air at 300 CFM. A viewing resistor is provided so that the 1/1000 of the pulse voltage is available at a BNC jack. Similar loads can be designed using forced air or liquid cooling.

Non-linear loads are also supplied for simulating the characteristics of magnetrons and other microwave tubes. These loads utilize the non-linear characteristics of GLOBAR varistors. For information write Globar Plant, Refractories Div., Dept. EGB-5, Carborundum Co., Niagara Falls, N. Y.

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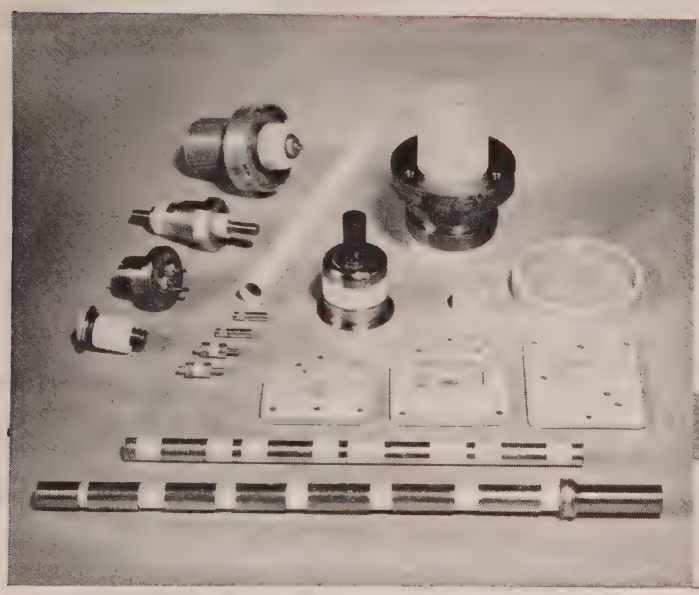
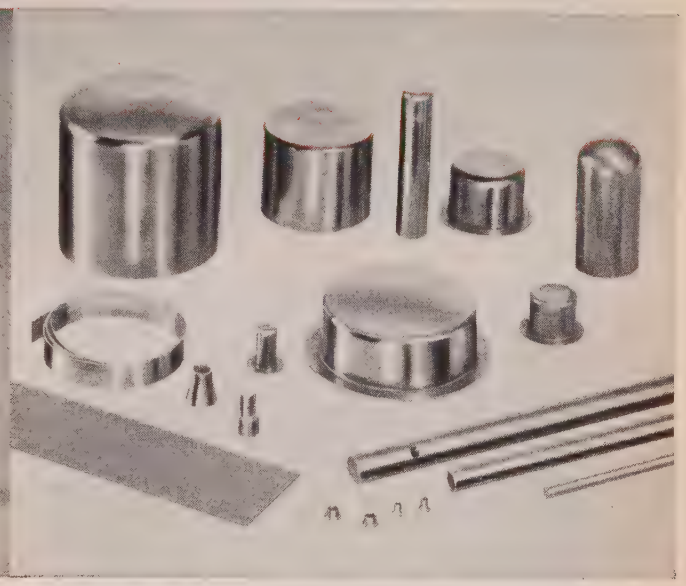
Typical examples are shown here. Well-equipped laboratories, modern testing equipment and a staff of quality-conscious experienced engineers are at your service to help on your problems and to design products that will meet the most exacting specifications.

CERAMIC PARTS, METALIZED ASSEMBLIES, KOVAR® ALLOY





CERAMIC PARTS AND METALIZED ASSEMBLIES

CERAMIC PARTS are made of alumina, steatite, magnesia, zircon, lithium-aluminum-silicate and other materials to provide a range of characteristics that meet practically all conditions of voltage, frequency and temperature. Typical products are coil forms, Pillar insulators, vacuum-tube spacers, thermocouple tubing and a wide variety of precision shapes — as fired, ground, metalized or assembled to individual specifications.

METALIZED ASSEMBLIES include vacuum tight terminals, shafts and other products in which metal and high purity vitreous alumina or steatite are bonded by an exclusive process to produce a strong, and durable unit. These assemblies can be soldered or brazed to withstand exposure at elevated temperatures for long periods. The bond is stronger than the ceramic itself.

For details, write to Latrobe Plant, Refractories Div., Dept. EBG-6, Carborundum Co., Latrobe, Pa.

KOVAR® ALLOY FOR SEALING TO GLASS

KOVAR is the original iron-nickel-cobalt alloy especially developed to meet the requirement for the highest quality seals in combination with certain low expansion or hard glasses, and is now being widely used for brazing to metalized ceramics for high-temperature seals. It is easily formed. KOVAR seals readily, resulting in chemically-fused oxide bonds insuring ruggedness and permanent vacuum and pressure tightness under severe conditions of temperature, vibration and handling.

During twenty-five years of experience many refinements in production have resulted. Stringent laboratory control insures uniform high quality and duplication from lot to lot.

Among the outstanding features of KOVAR alloy are close match in thermal expansivity over the entire operating temperature range of high thermal-shock glasses. It provides ease of welding, brazing and soldering, and is capable of being readily plated with other metals. Technical service is available to help you solve processing and application problems.

For details, write to Latrobe Plant, Refractories Div. Dept. EBG-7, Carborundum Co., Latrobe, Pa.

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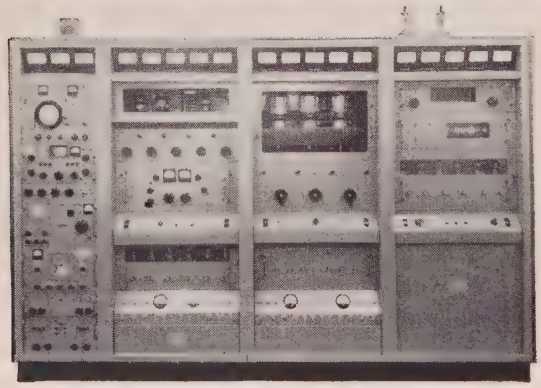
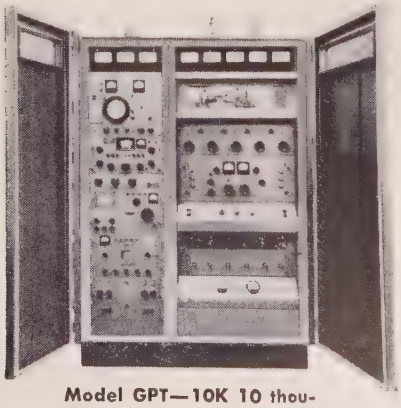


Model GPT—40K 40 thousand watt general purpose transmitter 4 to 28 megacycles providing CW, AM, SSB, ISB, DSB, FSK. (AN/ FRT-40)



Model GPT—10K 10 thousand watt general purpose transmitter 4 to 28 megacycles providing CW, AM, SSB, ISB, DSB, FSK. (AN/ FRT-39)

We are proud to announce that the Technical Materiel Corporation has been selected to participate under a contract with Western Electric Company, Inc., in this national project.

Project Mercury, the name given to this pioneering effort, is directed by the National Aeronautics and Space Administration. One of seven astronauts will be rocketed into space sometime in 1961. This man will be orbited around the earth in a special designed capsule. His flight around the earth will be monitored and tracked by a 16-station communications and telemetry system.

It is with great pleasure and pride that TMC announces we have been chosen by Western Electric Company to supply point-to-point single sideband communication equipment and systems for some of the stations located around the earth. TMC's transmitters and receivers will be used to handle the various messages collected by the tracking and telemetering equipment.

Illustrated here are some of the units TMC is currently producing for the Mercury project as well as other communications systems. We have supplied many complete SSB, DSB, ISB, AM, CW, and FSK communication equipment systems to commercial and military users throughout the world. A complete short form catalogue, describing well over 100 items of specialized communications equipment, is available on request.

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SOLA

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Constant Voltage Transformers

automatic, instantaneous voltage regulators

Sola Constant Voltage Transformers are static-magnetic voltage regulators. They are designed to provide a stabilized output voltage even though the input voltage varies over a considerable range. They have nine distinct advantages over electronic-type regulators or regulators which depend solely upon saturation of core materials for their regulating action:

1. Ultra-fast regulating action. Response time is usually 1.5 cycles or less.
2. Absence of moving or renewable parts or manual adjustment eliminates need for routine maintenance and spare parts stock.
3. Completely automatic, continuous regulation. No manual adjustments are required.
4. Self-protecting against short circuits on output or load circuit.
5. Current-limiting characteristic protects load equipment from fault currents.
6. Availability of transformer ratio for step-up, step-down, plate and/or filament supply permits substitution in place of conventional, non-regulating transformers.
7. Relatively compact compared to other equipment for comparable regulation.
8. High degree of isolation between input and output circuits.
9. Negligible external field.

Sola static-magnetic transformers are supplied for a number of voltage-regulating requirements. They supply constant voltage in nominal line values, in filament and combination plate-and-filament values, and in variable voltage outputs.

The following pages list the widest range of stock ratings and types offered by any manufacturer of static-magnetic voltage regulators.

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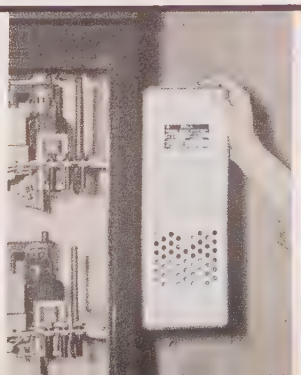
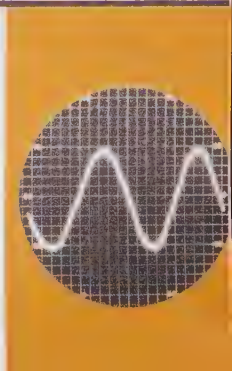




Standard Sinusoidal Type (CVS)

for built-in component or accessory use

Sola Standard Sinusoidal Constant Voltage Transformers regulate voltage within ±1% regardless of input voltage variations as great as ±15%. Displaying fast regulating action, their response time is usually 1.5 cycles or less. With less than 3% total rms harmonic content in their output voltage wave, they are particularly suitable for use with rectifiers or other equipment which is sensitive to, or is affected by, harmonics in the supply voltage. Nine stock ratings are listed. Special designs are available in production quantities.

Electrical specifications 60 cycle single phase — **Mechanical specifications**

Voltage Rating: Regulated Output	Voltage Rating: Input Range	Output Rating in Va	Catalog Number	Approx. net price each to industrial users	Nominal dimensions (inches): Outline	Nominal dimensions (inches): Mounting	Approx. Ship. Wt. in Lbs.	* Structure code
118	95-130	60	23-13-060(a)	$30.00	6 15/16 x 4 x 5 3/16	3 x 3 1/2	10	W
	95-130X 190-260	120	23-22-112(a)	38.00	8 x 4 x 5 3/16	3 x 3 1/2	14	W
		250	23-22-125(b)	52.00	9 3/4 x 5 3/8 x 7 7/16	4 1/8 x 4 3/4	28	W
		500	23-22-150(c)	81.00	12 5/8 x 9 x 6 7/16	5 5/8 x 8 1/8	47	W
		1000	23-22-210(c)	135.00	17 15/16 x 9 x 6 7/16	5 5/8 x 8 1/8	80	W
118 x 236	95-130X 175-235X 190-260	2000	23-25-220	245.00	19 5/8 x 12 3/4 x 10 11/16	4 1/2 x 11 3/4	183	W
		3000	23-25-230	330.00	21 7/8 x 12 3/4 x 10 11/16	6 7/16 x 11 3/4	270	W
	190-260X	5000	23-26-250	515.00	20 9/16 x 25 13/16 x 10 11/16	5 7/16 x 24 13/16	475	Y
	380-520	7500	23-28-275	900.00	20 9/16 x 38 1/4 x 11 1/16	5 7/16 x 37 1/4	710	Z

Letter in parentheses after catalog number designates unit sizes which may be converted for cord input, and receptacle or jack output. See adapter kit tabulation at bottom of next page.

Outline dimensions are the outside cubic dimensions of the unit, not including capacitor where furnished separately. Figures are nominal, subject to manufacturing tolerance of ±1/32 to ±1/8 inch.

Normal-Harmonic Type (CVN)

±1% regulated voltage for electrical and electronic equipment

These units provide the same ±1% regulation as the standard sinusoidal models above. They have an average of 14% total rms harmonic content in their output voltage. Along with the sinusoidal type, they offer simplicity, reliability and freedom from maintenance. They are reliable sources of voltage for most electrical loads such as filaments, relays, solenoids, other transformers serving ac loads — in fact, all loads not affected by harmonics in the supply voltage. This series includes those mechanical designs specially engineered for use as built-in components. Special designs are available in production quantities.

Electrical specifications 60 cycle single phase — **Mechanical specifications**

Voltage Rating: Regulated Output	Voltage Rating: Input Range	Output Capacity in VA	Catalog Number	Approx. net price each to industrial users	Nominal Dimensions (Inches): Outline	Nominal Dimensions (Inches): Mounting	Approx. Ship. Wt. in Lbs.	* Structure Code
118	95-130	15	20-10-015	$15.00	5 9/16 x 2 5/8 x 3 1/2	5 1/16 x 1 1/8	4	D
			20-11-015	20.00	5 1/2 x 3 1/2 x 2 1/4	3 x 1 1/2	4	S
			20-14-015	14.00	4 5/16 x 2 3/8 x 2 7/16	1 7/8 x 1 3/4	3	E
		30	20-14-030	16.00	4 15/16 x 2 5/8 x 3 5/16	1 7/8 x 2 5/8	5	E
			20-13-030(a)	20.00	6 x 4 x 5 3/16	3 x 3 1/2	7	W
		60	20-13-060(a)	25.00	6 13/16 x 4 x 5 3/16	3 x 3 1/2	10	W
			20-14-060	21.00	4 13/16 x 3 1/8 x 3 7/8	2 1/2 x 3 7/8	8	E
118	95-130	120	20-14-112	29.00	4 13/16 x 3 1/8 x 4 15/16	2 1/2 x 3 7/8	11	E
			20-13-112(a)	33.00	7 7/8 x 4 x 5 3/16	3 x 3 1/2	13	W
236	190-260	120	20-21-112	33.00	7 7/8 x 4 x 5 3/16	3 x 3 1/2	13	W
118	95-130	150	20-13-115(b)	40.00	8 7/8 x 5 3/8 x 7 7/16	4 1/8 x 4 3/4	22	W
		250	20-13-125(c)	49.00	11 1/8 x 6 15/16 x 6 7/16	4 5/8 x 6 1/8	25	W
	190-260x 380-520		20-23-125	49.00	11 1/8 x 6 15/16 x 6 7/16	4 5/8 x 6 1/8	25	W
	95-130	500	20-13-150(c)	77.00	12 1/2 x 6 15/16 x 6 7/16	4 5/8 x 6 1/8	36	W
	190-260x		20-23-150	77.00				
236	380-520		20-24-150	77.00				
118	95-130	1000	20-13-210(c)	128.00	15 1/8 x 6 15/16 x 6 7/16	4 5/8 x 6 1/8	54	W
	190-260		20-20-210	128.00				
118x 236	95-130x 175-235x 190-260	2000	20-25-220	232.00	20 x 10 1/2 x 9 1/16	4 9/16 x 9 1/2	166	W
		3000	20-25-230	315.00	22 x 10 1/2 x 10 11/16	6 9/16 x 9 1/2	230	W
	190-260x 380-520	5000	20-27-250	490.00	21 x 14 1/2 x 14 3/8	7 x 13	279	W
		10000	20-26-310	925.00	21 x 29 7/16 x 14 3/8	7 x 27 15/16	590	Y

Letter in parentheses after catalog number designates unit sizes which may be converted for cord input, and receptacle or jack output. See adapter kit tabulation at bottom of next page.

Outline dimensions are the outside cubic dimensions of the unit, not including capacitor where furnished separately. Figures are nominal, subject to manufacturing tolerance of ±1/32 to ±1/8 inch.

Electronic Power Type

±1% regulation for filament voltage; ±3% regulation of plate-filament supply

Sola Electronic Power Type Constant Voltage Transformers are designed as components for simple assembly into electronic manufacturers' own product. The filament type provides 6.0 or 6.3 volts output, regulated within ±1% over line voltage variations as great as ±15%. The combination plate-and-filament type provides voltage regulated within ±3% for line voltages varying up to ±15%. Both types provide filaments with stabilized voltage supply, and thus contribute to reliable operation, long life, and reduced service expense for load equipment. Thirteen stock units are listed. Special designs available in production quantities.

For Filament Service (Type CVF)

Electrical specifications 60 cycle single phase					Mechanical specifications			
Voltage Rating		Output Capacity in Amps.	Catalog Number	Approx. Net Price Each to Industrial Users	Nominal Dimensions (Inches)		Approx. Ship Wt. in Lbs.	* Structure Code
Regulated ±1% Output	Input Range				Outline	Mounting		
6.0	95-130	2.50	20-01-015	$15.00	5 9/16 x 2 5/8 x 3 1/2	5 1/16 x 1 1/8	6	D
			20-06-015	14.00	4 5/16 x 2 3/8 x 2 7/16	1 3/4 x 1 7/8	4	E
6.3	95-130	2.38	20-02-015	15.00	5 9/16 x 2 5/8 x 3 1/2	5 1/16 x 1 1/8	6	D
			20-03-015	20.00	4 15/16 x 2 3/8 x 2 7/16	1 3/4 x 1 7/8	4	S
			20-04-015	14.00	4 15/16 x 2 3/8 x 2 7/16	1 3/4 x 1 7/8	4	E
	95-130X 190-260	5.0	20-04-030	16.00	4 13/16 x 3 1/8 x 3 1/8	2 1/2 x 2 1/16	6	E
		10.0	20-04-065	20.00	4 13/16 x 3 1/8 x 3 3/4	2 1/2 x 2 11/16	7	E
		15.0	20-04-095	24.00	4 13/16 x 3 1/8 x 4 11/16	2 1/2 x 3 5/8	11	E
		20.0	20-04-113	31.00	7 x 4 1/2 x 5 1/8	3 5/8 x 3 9/16	20	E
		25.0	20-04-116	35.00	7 x 4 1/2 x 5 11/16	3 5/8 x 4 1/8	23	E

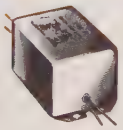
For Plate-Filament Service (Type CVE)

Electrical specifications 60 cycle single phase					Input range, 100-130 volts	Mechanical specifications		
Typical Rectifier Tube	Average D.C. Input Volts to Filter*	Filament Windings		Catalog Number	Approx. Net Price Each to Industrial Users	Nominal Dimensions (Inches)		Approx. Ship. Wt. in Lbs.	* Structure Code
		6.3 Volts	5.0 Volts			Outline	Mounting		
5Y3	275v D.C. @ 50 M.A.	2.5 amps C.T.	2.0 amps	7104	$12.00	4 13/16 x 3 1/8 x 3 3/16	2 1/2 x 2 1/8	6	E
5Y3	385v D.C. @ 100 M.A.	3.0 amps C.T.	2.0 amps	7106	15.00	4 13/16 x 3 1/8 x 3 15/16	2 1/2 x 2 7/8	8	E
5U4	380v D.C. @ 250 M.A.	No. 1: 4.0 amps No. 2: 8.0 amps unregulated	3.0 amps	7107	27.00	7 x 4 1/2 x 4 7/8	3 5/8 x 3 3/8	19	E

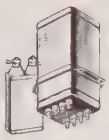
**Voltage values are taken at output of 5Y3GT rectifier for No. 7104 and No. 7106 transformers and at output of 5U4GA-GB for No. 7107. Guaranteed regulation of ±3% on plate voltage output is contingent on the use of Sola-regulated 5.0v filament supply winding for the rectifier tube.*

* Mechanical structures

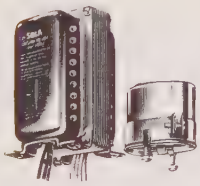
"Structure code" letter refers to one of these general types of mechanical assemblies:



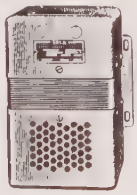
D—Drawn case; integral capacitor unit; flex leads.



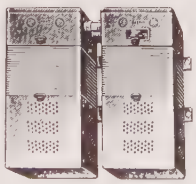
S—Hermetically-sealed case; separate capacitor; solder lugs.



E—Exposed core; end bells; separate capacitor; flex leads.



W—Exposed core; end housings; screw-type terminals in outlet box.

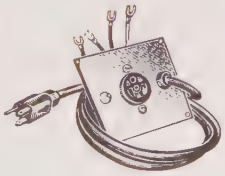


Y—Same as W, but duplex assembly.

Z—Same as W, but triplex assembly.

Cord/receptacle adapter kits

Adapter kits may be used when the convenience of input plug and output receptacle is preferred to the standard arrangement of terminals in the transformer housing. Kits are available for most transformers with ratings from 30 to 500va and are supplied at slight additional cost. Kits permit use of 2 and 3-wire input and have 2 and 3-wire output receptacles as well as output jacks. Cords and receptacles are designed for 118-volt nominal service only.



Code	Adapter Kit Catalog No.	Input Cord	Output Connections	Net price each to industrial users
(a)	999-004	2-wire	2-wire receptacle	$1.75
	999-018	3-wire	3-wire receptacle	2.50
	999-015	3-wire	2 jacks	3.00
(b)	999-005	2-wire	2-wire receptacle	1.75
	999-019	3-wire	3-wire receptacle	2.50
	999-016	3-wire	2 jacks	3.00
(c)	999-009	2-wire	2-wire receptacle	2.00
	999-020	3-wire	3-wire receptacle	2.50
	999-017	3-wire	2 jacks	3.00

The transformers described in this folder are manufactured under one or more of the following United States Patents: Nos. 2,694,177; 2,753,513; 2,806,199, and patents pending.

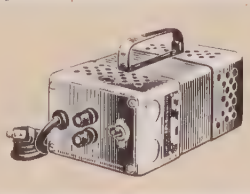
Handy, portable units for regulated supply voltage in lab—shop

Regulated ac voltage supply fully adjustable from 0-130 volts

One outlet regulated ±1% and adjustable from 0 to 130 volts. One outlet for fixed value 115 volts regulated ±1%. Total rms harmonic content less than 3%. Regulating response 1.5 cycles or less. Self-protecting against short circuit. Portable for use in shop or laboratory; also mountable on standard 19-inch relay rack.

Catalog Number	Output Capacity in VA	Input Voltage	Voltage Rating: Regulated Voltage No. 1 Fixed	Voltage Rating: Regulated Voltage No. 2 Adjustable	Max. Current in Amperes	Nominal dimensions (inches)	Approx. shipping weight (lbs.)	Approx. net price each to industrial users
23-90-150	500	100-130	115	0-130	7.5	9 x 19 x 12½	83	$275.00

Regulated filament transformer for lab or shop bench use



The Portable Constant Voltage Filament Transformer provides stabilized 6.3 volt output. It is specially designed to serve as a standard source of closely regulated filament voltage for design, experimental, and test work in laboratories and shops. The unit has a handle, input cord, output jacks, and an on-off switch.

Catalog Number	Output Capacity in VA	Voltage Rating: Input Range	Voltage Rating: Regulated ±1% Output	Nominal dimensions (inches)	Approx. shipping weight (lbs.)	Approx. net price each to industrial users
20-05-030	30	95-130	6.3	6 1/16 x 4 13/16 x 4¾	8	$25.00

Sola DC power supplies: compact, regulated, for high-amp loads

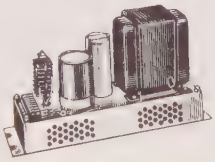
This combination of a special Sola Constant Voltage Transformer, semi-conductor rectifier, and high-capacitance filter yields a dc power supply compact in size, low in weight, and with other important advantages.

1. Output regulation of ±1% or less with ±10% line voltage variations.
2. Minimum output voltage change with wide, rapid load changes.
3. Low input power, with resultant good efficiency.
4. Ability to withstand high, short-time overloads without damage to components.
5. Ripple voltage of approximately 1% (rms) or less.
6. High overall economy by eliminating overload capacity needed in other types of power supplies for certain applications.
7. Low ratio of size and weight to power output.
8. Freedom from routine adjustment and maintenance.
9. Exceedingly low output impedance.

In addition to its important function of correcting line voltage variations, the Sola CV's inherent current-limiting action permits safe, economical use of the efficient semi-conductor rectifier with its low forward voltage drop and other advantages. This same current-limiting action also permits use of high-capacitance filter sections by controlling excessive charging currents which might damage rectifier junctions. The high-capacitance filter yields very low ripple voltage without need for heavy, bulky choke components, with their substantial and often-varying load voltage drops.

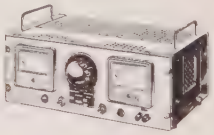
Fixed Designs

For intermittent, variable, or pulse loads



Adjustable Designs

Give all the advantages of fixed designs plus an output adjustable over a considerable range of voltages.



Specifications All Inputs 100-130 volts, 60 cps

Current Catalog Number	Former Catalog Number	Output Rating: Watts	Output Rating: Volts	Output Rating: Amps	Efficiency Approx. %	Ripple Voltage (rms)-% of Total	Approx. Shipping Weight Each—Pounds	Approx. Net Price Each
281024	28156	144	24	6.0	72	Less Than 1%	45	$145.00
281048	28120	192	48	4.0	77	Less Than 1%	45	135.00
281125	28152	250	125	2.0	82	Less Than 1%	55	145.00
281150	28106	300	150	2.0	80	Less Than 1%	50	145.00
281200	28193	200	200	1.0	76	Less Than ½%	45	140.00
281250	28192	250	250	1.0	81	Less Than ½%	55	150.00

DIMENSIONS—Above six stock units have identical dimensions; overall length, 19"; overall width, 5¼"; overall height, 9¾". All supplies furnished with drilling for standard relay rack mounting.

Specifications All Inputs 100-130 volts, 60 cps

Current Catalog Number	Former Catalog Number	Adjustable Output Voltage Range	Rated Loadings in Amperes: At max. Voltage Setting	Rated Loadings in Amperes: At min. Voltage Setting	Ripple* Voltage—% of Total Output	Approx. Shipping Weight Each—Pounds	Approx. Net Price Each
285110	28510	5-35	7.0	7.0	0.10	80	$325.00
285120	28520	25-60	4.0	6.0	0.05	80	325.00
285130	28530	30-90	2.8	4.0	0.04	80	295.00
285140	28540	60-180	1.4	2.0	0.03	80	295.00
285150	28550	150-250	1.0	1.5	0.02	80	295.00
285160	28560	250-400	0.6	0.75	0.02	80	295.00

*Figures in this column are ripple voltages measured at full rated load and input of 115 volts.

DIMENSIONS—Above six stock units are for relay rack mounting on standard, 19" frame. Front panel is 7" high and chassis is 12¼" deep. Removable handles, for portability, are available as an accessory.

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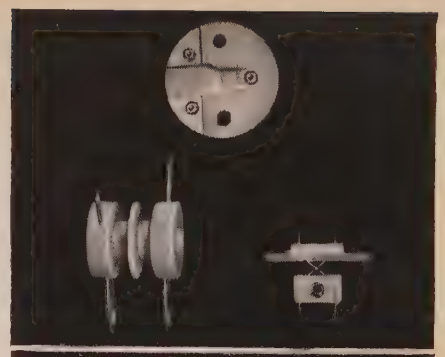
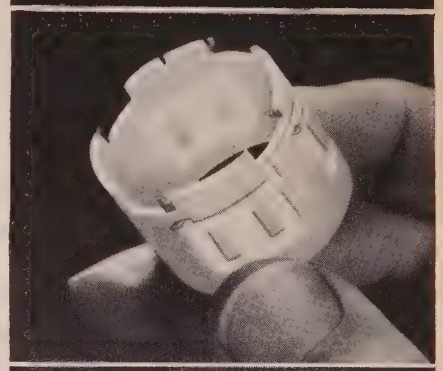
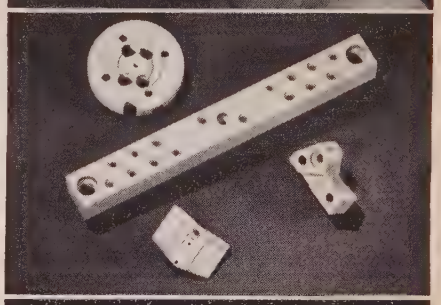
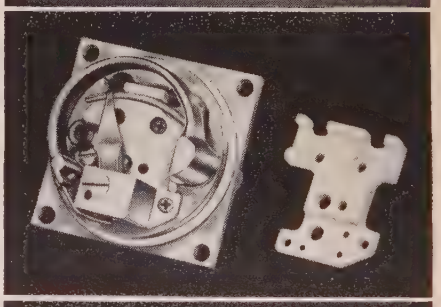








WHATEVER YOUR HIGH-TEMPERATURE NEEDS—to 1550°F.—one of the MYCALEX family of quality insulating materials is sure to meet your most critical requirements. Each of these dependable insulating materials offers a *unique combination* of special advantages for electronic and electrical design: the *plus* factors of the inorganics *and* the design latitudes of the organics.

MYCALEX® glass-bonded mica—formulations of high-quality natural mica and electrical grade glasses, with high-dielectric strength, total dimensional stability, high-arc resistance, high-temperature resistance. Depending on their formulation, they can be machined or molded to exacting tolerances, inserts can be permanently molded in or cemented in—the thermal expansion of MYCALEX being close to that of stainless steel.

SUPRAMICA® ceramoplastics—advanced formulations of synthetic mica and high-temperature glasses, created for insulation applications at maximum temperature endurances up to 1550°F. They have a thermal expansion coefficient close to that of stainless steel. They are available in moldable or machinable types . . . both offering *total* dimensional stability.

ENGINEERING AND DESIGN ASSISTANCE PROGRAM—Our diversified experience includes commercial and military projects . . . applied research and product development. No matter what *your* electronic or electrical insulating problem, we can assist you in the evaluation and design of materials or components. Your inquiries will be answered promptly and in confidence.

MYCALEX 400 glass-bonded mica
Machinable insulation that withstands a maximum temperature endurance of 700°F. (unstressed) and a heat distortion temperature* of 850°F.

MYCALEX 410 glass-bonded mica
Precision-molded insulation that withstands a maximum temperature endurance of 650°F. (unstressed) and a heat distortion temperature* of 690°F.

MYCALEX 410X glass-bonded mica
Lightweight precision-molded insulation that withstands a maximum temperature endurance of 575°F. (unstressed) and a heat distortion temperature* of 690°F.

MYCALEX 385 glass-bonded mica
Machinable insulation that withstands a maximum temperature endurance of 700°F. (unstressed) and a heat distortion temperature* of 850°F.

SUPRAMICA 620 ceramoplastic
Machinable insulation that withstands a maximum temperature endurance of 1550°F. (unstressed) and a heat distortion temperature* of 1360°F.

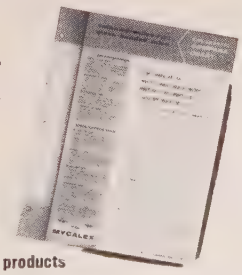
SUPRAMICA 500 ceramoplastic
Machinable insulation that withstands a maximum temperature endurance of 700°F. (unstressed) and a heat distortion temperature* of 900°F.

SUPRAMICA 560 ceramoplastic
Precision-molded insulation that withstands a maximum temperature endurance of 932°F. (unstressed) and a heat distortion temperature* of 870°F.

SUPRAMICA 555 ceramoplastic
Precision-molded insulation that withstands a maximum temperature endurance of 650°F. (unstressed) and a heat distortion temperature* of 700°F.

**ASTM Test Method D648 (modified for glass-bonded mica) at stress of 264 psi.*

New MYCALEX ENGINEERING COMPARA CHART . . . a valuable comparison of the physical properties of most well-known insulating materials. Send for *your* personal copy!



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Silastic RTV is a liquid silicone rubber that vulcanizes at room temperature to form a rubbery solid with good dielectric and physical properties. Cured Silastic RTV remains operable from −60 to 250 C and is highly resistant to ozone, corona, weathering, and oxidation.

Silastic RTV has proved ideal for encapsulating, potting, and sealing electronic components and equipment.

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Resilient, transparent protection

New concept in potting and filling materials... permits visual and instrument inspection. "Heals" itself immediately when test probes are removed.

No damaging stresses are exerted. Curing time can be varied from 30 minutes to nearly 48 hours. Curing temperatures range from 40 to 150 C.

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For Transistor Potting

Ideal for potting transistors. Improves heat dissipation because of good thermal conductivity. Reduces rejection rates by preventing metal splatter from reaching the transistor wafers when caps are welded in place.

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Nongumming, nonmelting, maintain a stable viscosity from −75 to 200 C. They have excellent dielectric, damping and heat-dissipating qualities and are superior barriers to moisture.

IMPREGNATING VARNISHES

And High Temperature Insulation Systems

Dow Corning silicone varnishes are suitable for use in electronic components and equipment designed for continuous operating temperatures to 250 C... higher temperature for shorter times. Silicone varnishes assure maximum reliability... help reduce size and weight by as much as 50%.

SILASTIC®

Dow Corning Silicone Rubber

Rubbery parts made of Silastic retain their physical and dielectric properties over the temperature span of −90 to 250 C. Silastic is virtually unaffected by ozone, corona or corrosive atmospheres... initial properties are unchanged despite rapid thermal cycling or long term storage.

Gaskets made of Silastic are used extensively to provide environmental seals for packaged electronic gear. Silastic molded parts are also used for the shock mounting of electronic assemblies...

SOLVENTLESS RESINS

With High Heat Stability

Thermosetting silicone resins form tough, rigid materials. They retain their physical and electrical properties at temperatures as high as 300 C.

Dow Corning solventless silicone resins are used alone as impregnants and with inorganic fillers as encapsulants. After curing, solventless resin forms a solid void-free mass that is impervious to moisture and unaffected by heat, chemicals or nuclear radiation.

Potting, Impregnating,

PROCESSING INFORMATION

DOW CORNING PRODUCT AND USE	APPLICATION METHODS	TYPICAL CURING CONDITIONS	SHELF LIFE
DOW CORNING SOLVENTLESS SILICONE RESINS I Rigid Impregnant a. Resin only	(1) vacuum-impregnate (std procedures)	4-6 hr @ 150°C final cure 8 hr at or above use temperature	>1 yr @ 70° F (catalyzed) unlimited (uncatalyzed)
II Rigid Encapsulants a. Resin plus silica flour filler	(1) pressure gun (2) as coil filler, may be extruded on wire while winding	4-6 hr @ 150°C final cure 8 hr at or above use temperature	>1 yr @ 70° F (catalyzed) unlimited (uncatalyzed)
b. Resin plus zirconium ortho-silicate	(1) surround unit with granular filler, then vacuum-impregnate sand and unit with solventless silicone resin; requires mold or form	4-6 hr @ 150°C; final cure 8 hr at or above use temperature	>1 yr @ 70° F (catalyzed) unlimited (uncatalyzed)
SILASTIC RTV III Rubbery Encapsulant Fluid grade silicone rubber that vulcanizes in place ... also used for potting and filling	(1) dip and flow (2) pour (3) spatula or pressure gun	set-up in 24 hr @ 70° F; full properties developed after 4-7 days	4 hr @ 70° F (catalyzed) 4 mo @ 70° F (uncatalyzed)
DOW CORNING DIELECTRIC GEL IV Transparent Potting Material Gel-in-place silicone fluid ... also used for filling and impregnating	pour, using std potting techniques	48 hr @ 40° C or 6 hr @ 75° C or 1 hr @ 150° C	24 hr @ 70° F (catalyzed) unlimited (uncatalyzed)
DOW CORNING COMPOUNDS V Grease-like Potting Material ... also used for filling and coating	(1) insert with gun (2) hand or spatula (3) aerosol spray can	Needs no cure	unlimited
DOW CORNING SILICONE FLUIDS VI Potting — Filling Impregnating Fluids	fill, using std liquid dielectrics processing procedures	Needs no cure	unlimited

first in silicones

Dow Corning CORPORAT

MIDLAND, MICHIGAN

et today's electronic needs

for RELIABILITY • MINIATURIZATION • ENVIRONMENTAL PROTECTION • TEMPERATURE EXTREMES • MODULARIZATION • VALUE ENGINEERING

SILICONES are semi-organic materials closely related to quartz and mica in chemical structure. They are available in a wide variety of forms including potting, filling, encapsulating and impregnating materials. They are also available as rigid structural parts—mounting panels, coil bobbins, terminal strips—fabricated from silicone-glass laminates or silicone molding compounds. Pin connector seals and other resilient parts fabricated from Silastic®, the Dow Corning silicone rubber, are widely used because of their unique combination of physical and electrical properties.

Regardless of physical form, Dow Corning Silicones give long, reliable service when exposed to:

HEAT—CORONA—VOLTAGE STRESS—MECHANICAL STRESS—CHEMICAL ATTACK—MOISTURE—FUNGUS

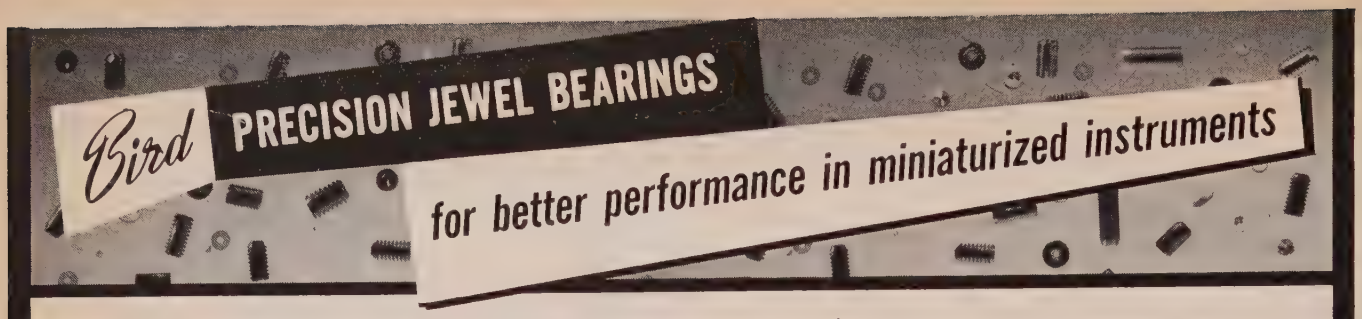
For additional information on the silicone products described, write to Dow Corning Corporation for Electronic Engineers Guide to Silicones.

Filling, Coating Materials

ENGINEERING DATA

EST. RVICE TEMP. degrees for 000-hr life)	THERMAL ENDURANCE TEMP. (deg C)	THERMAL ENDURANCE TIME (hr)	GAMMA RADIATION RESISTANCE (megarad, @ 23° C)	TYPICAL PHYSICAL PROPERTIES: SPECIFIC GRAVITY	TYPICAL PHYSICAL PROPERTIES: COEF. OF THERM. EXP	TYPICAL PHYSICAL PROPERTIES: THERMAL CONDUCTIVITY cal (sec/cm²/deg C cm)	TYPICAL ELECTRIC PROPERTIES: ELECTRIC STRENGTH (V/mil, ASTM D149)	TYPICAL ELECTRIC PROPERTIES: VOLUME RESISTIVITY (ohm-cm)	DIELECTRIC CONSTANT (ASTM D150): DEG C	DIELECTRIC CONSTANT (ASTM D150): 400 CPS	DIELECTRIC CONSTANT (ASTM D150): 0.1 MC	DISSIPATION FACTOR (ASTM D150): DEG C	DISSIPATION FACTOR (ASTM D150): 400 CPS	DISSIPATION FACTOR (ASTM D150): 0.1 MC
0 to +200 C 0 to +400 F)	300 250	500 5000	1000	1.11	125x10⁻⁶ (linear)	0.36x10⁻³ (100° C)	350-0.125" (¼" elect)	5x10¹⁵	23 150 200	2.82	2.80 2.80 2.75	23 150 200	0.002	0.001 0.003 0.002
0 to +250 C 0 to +480 F)	300 250	500-1000 5000-10,000	>2000	1.70	80x10⁻⁶ (linear)	2x10⁻³ (100° C)	350-0.125" (¼" elect)	4x10¹⁵	23 150 200	3.62	3.60 3.60 3.53	23 150 200	0.007	0.002 0.002 0.002
5 to +300 C 0 to +570 F)	300 250	1000 10,000	>2000	3.3	13x10⁻⁶ (linear)	2.7x10⁻³ (100° C)	240-0.125" (¼" elect)	4x10¹⁵	23 150 200 300	7.30	7.10 7.20 7.10 7.10	23 150 200 300	0.008	0.007 0.007 0.01 0.02
0 to +250 C 0 to +480 F)	250 200	500-1000 >5000	100	1.12	770x10⁻⁶ (volume)	0.5x10⁻³ (100° C)	400-0.063" (¼" elect)	0.5x10¹⁴	23 150	3.14	3.03 3.28	23 150	0.01	0.004 0.06
0 to +200 C 0 to +400 F)	200 150	1000 >6000	10	0.970	960x10⁻⁶ (volume)	0.7x10⁻³ (150° C)	1000-0.10" (½" ball elect)	5x10¹⁴	23 150 200	3.00	3.00 2.51 2.34	23 150 200	0.00008	0.00002 0.0003 0.0006
0 to +200 C 5 to +400 F)	250 200	20 1000	30	1.0	960x10⁻⁶ (volume)	0.75x10⁻³ (150° C)	500-0.010" (½" ball elect)	10¹⁴	23	2.85	2.85	23	0.0001	0.0009
5 to +200 C 0 to +400 F)	200 150	>5000 >10,000	200	0.955	1070x10⁻⁶ (volume)	0.34x10⁻³ (77° F)	350-0.100" (1" elect)	10¹⁴	23 150 200	2.68	2.68 2.30 2.15	23 150 200	0.0001	0.00002 0.0001 0.0003

ON ATLANTA • BOSTON • CHICAGO • CLEVELAND • DALLAS
LOS ANGELES • NEW YORK • WASHINGTON, D.C.



Whether you are making missiles for outer space or monitoring earth-bound processes, today's instruments must pack greater reliability in smaller spaces. In miniaturized apparatus such as this, Bird Sapphire and Glass Jewel Bearings show their unique advantages . . . operation without lubrication through great temperature extremes . . . resistance to corrosive fumes and liquids . . . adaptability to many mounting arrangements. When compared with other types of bearings Bird Jewels are substantially more economical and their long life expectancy eliminates maintenance problems.

Our engineering staff would be pleased to work with you on your special jewel bearing needs. Write for our free catalog with complete details on properties and uses of jewel bearings.

Bird Complete Jewel Assemblies

Special mounting techniques provide assemblies to exact tolerances, in screws or bushings of any style ready for assembly in your product. Complete assemblies save time and money, cut rejects, keep production flowing smoothly.

Bird Cushion Jewel Assemblies Add Shock Protection

Bird jewels mounted with resilient silicone rubber or spring cushions provide inexpensive shock resistance for any instrument. Variable cushioning to suit different operating conditions; mountings of any style; controlled movement of jewel; elimination of waste and tear-down because of poor judgment in bearing adjustment — actual tests prove these advantages can be incorporated into your instruments for only pennies more by using Cushion Jewel Assemblies.

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Serving industry with fine jewels since 1913

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SAPPHIRE AND GLASS JEWELS • JEWEL MOUNTING AND ASSEMBLY • PRECISION GLASS GRINDING

REFLECTONE

recognized leader in the design and manufacture of

- Simulators and Computers
- Large Analog Computing Systems
- Electronic Control Systems
- Integrated Man-machine Systems
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Ball and Disk Integrator

High Torque Miniature DC Motor, 6-30 V

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Stamford, Connecticut

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Acetic Acid, Glacial
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Ammonium Phosphate
Antimony Trioxide
Barium Acetate
Barium Carbonate
Barium Fluoride
Barium Nitrate
Benzene
Boric Acid
Cadmium Chloride
Cadmium Nitrate
Cadmium Sulfate
Calcium Carbonate
Calcium Chloride
Calcium Fluoride
Calcium Nitrate
Calcium Phosphate
Carbon Tetrachloride
Cobalt Carbonate
Cobalt Oxide
Cobalt Nitrate
Ether, Anhydrous
Hydrochloric Acid
Hydrofluoric Acid
Hydrogen Peroxide, 30% and 3% Solution
Lithium Carbonate
Lithium Chloride
Lithium Nitrate
Lithium Sulfate
Magnesium Carbonate
Magnesium Chloride
Magnesium Oxide
Manganese Dioxide
Manganese Nitrate
Manganese Sesquioxide
Manganous Carbonate
Methanol
Nickel Carbonate
Nickel Oxide, Black
Nickel Oxide, Green
Nickelous Chloride
Nickelous Nitrate
Nickelous Sulfate
Nitric Acid
Petroleum Ether
Potassium Dichromate
Potassium Hydroxide
iso-Propyl Alcohol
Radio Mixture No. 3
Silicic Acid
Sodium Carbonate
Sodium Chloride
Sodium Hydroxide
Sodium Phosphate Dibasic)
Strontium Carbonate
Strontium Nitrate
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Toluene
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ELECTRONIC CHEMICALS OF DEFINED PURITY
'Baker Analyzed' *Reagents*

This new brochure . . . just off the press . . . tells you how Baker Electronic Chemicals can help you achieve operating economies.

The Electronic Chemicals listed on the left bring you these benefits:

1. Highest purity defined to meet your critical electronic manufacturing needs.
2. Purity is proved — the 'Baker Analyzed' Reagent label shows the actual lot analysis.
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4. Deliveries are fast in each marketing area.

Write for your copy of "Electronic Chemicals of Defined Purity." Address J. T. Baker Chemical Co., Phillipsburg, New Jersey, Department EBG.

J.T.Baker CHEMICAL

J. T. Baker Chemical Co.
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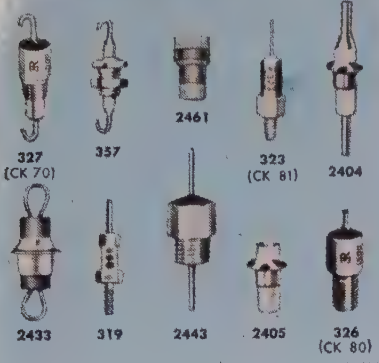
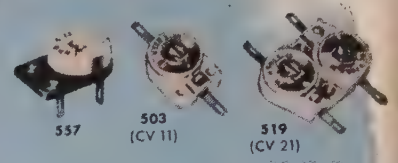
ERIE ELECTRONIC COMPONENTS

FEED-THRU AND STAND-OFF CERAMICONS®



BUTTON®-MICA CAPACITORS

TRIMMER CERAMICONS®

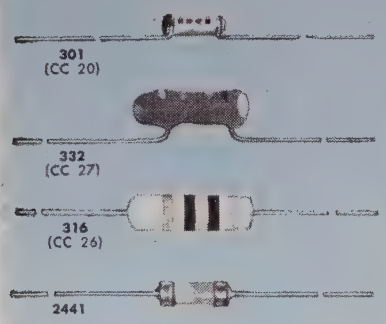


CUSTOM TRIMMER ASSEMBLIES

TUBULAR TRIMMERS

Available in many other styles

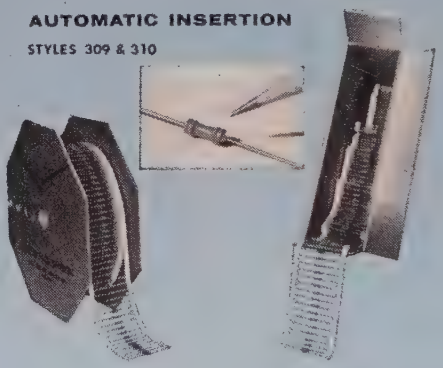
TUBULAR CERAMICONS®



TUBULAR CERAMICONS®

AUTOMATIC INSERTION

STYLES 309 & 310



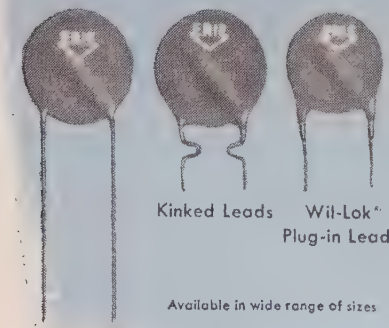
GERMANIUM AND SILICON DIODES

GENERAL PURPOSE
INSTRUMENT AND COMPUTER TYPES

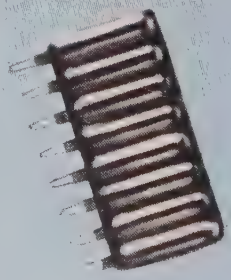
Special types available upon request

DISC CERAMICONS®

TRANSISTOR • Hi-K® & T.C. • Hi-VOLTAGE

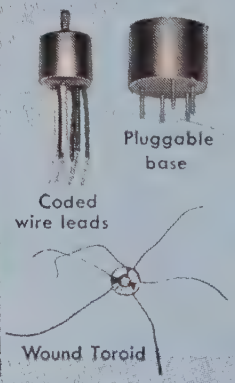


"PAC" Pre-Assembled Components



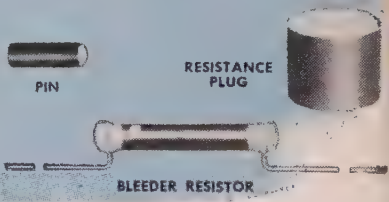
Printed Wiring Board

MINIATURE PULSE TRANSFORMERS



PRECISION FILM RESISTORS

RESISTANCE PRODUCTS



ELECTRONICS DIVISION

ERIE RESISTOR CORPORATION

MAIN OFFICES: ERIE, PA., U. S. A.

FACTORIES: ERIE, PA. • HOLLY SPRINGS, MISS. • TRENTON, ONTARIO, CANADA

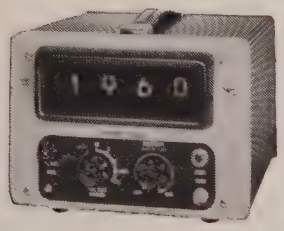
TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

ERIE INSTRU/MATION® for INDUSTRY

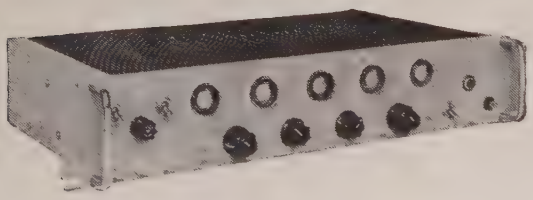
- ELECTRONIC COUNTERS
- DIGITAL INSTRUMENTS
- INTERVAL TIMERS
- CONTROL SYSTEMS

MODEL 100T: FREQUENCY COUNTER

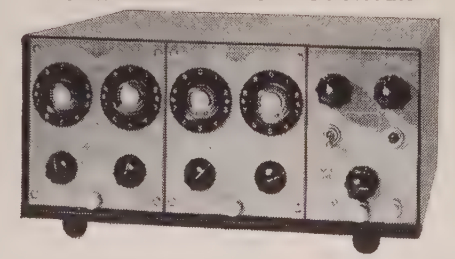


MODEL 720: FREQUENCY-FLOW-RPM COUNTER

MODEL 400: UNIVERSAL COUNTER TIMER



MODEL 320: PRE-SET COUNTER



ALSO AVAILABLE—MODEL 210: TIME INTERVAL METER

MODEL 130: EVENTS-PER-UNIT TIME METER

ERIE-PACIFIC DIVISION OF ERIE RESISTOR CORPORATION
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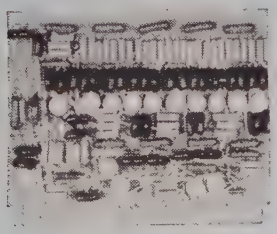
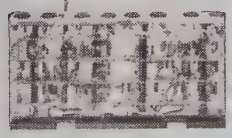
CUSTOM BUILT ASSEMBLIES

ANY TYPE OF ELECTRONIC OR ELECTRICAL ASSEMBLY EFFICIENTLY AND ECONOMICALLY MANUFACTURED TO YOUR SPECIFICATIONS



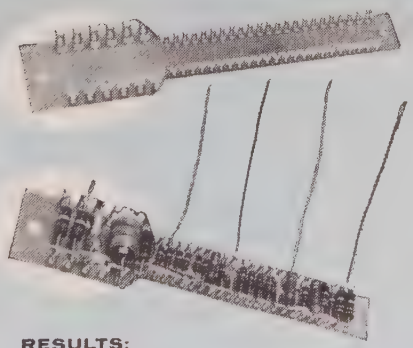
PRINTED-BOARD ASSEMBLY



ERIE-MATIC ASSEMBLY

POINT-TO-POINT WIRING ASSEMBLY

The ERIE Strip Package System



FEATURING:
- Automatic clip assembly
- Automatic connector cutting
- Automatic component soldering

RESULTS:
- Lower production costs
- Higher reliability in solder connections
- Easier servicing

E

ELGIN LABORATORIES

SUBSIDIARY OF
ERIE RESISTOR CORPORATION
WATERFORD, PENNSYLVANIA

MODEL 120
LABORATORY-TYPE
MIRRORED-SCALE V-O-M

The most comprehensive V-O-M ever offered within its price range. It features 61 ranges and functions specifically designed for industry, lab., maintenance shop and technical school.

20,000 OHMS-PER-VOLT DC 5,000 OHMS-PER-VOLT AC
61 RANGES
EXTRA-LOW RESISTANCE RANGE 2 ohms at center scale
EXTRA-LOW VOLTAGE RANGES 0.3 V full scale DC, 1.2 V full scale AC
EXTENDED LOW-CURRENT RANGE 60 μA first DC range
EXTRA-LARGE 5½" mirrored-scale **PACE METER**
DC POLARITY REVERSING SWITCH
WIDE FREQUENCY RESPONSE AC AND DB RANGES
"TRANSIT" POSITION ON RANGE SELECTOR
9 DC VOLTAGE RANGES 20,000 ohms-per-volt (neg. and pos. reading) 0-0.3-1.2-3-12-60-300-600-1200-6000 V.
8 AC AND OUTPUT VOLTAGE RANGES 5000 ohms-per-volt (wide frequency response); built-in 600 V blocking capacitor; 0-1.2-3-12-60-300-600-1200-6000 volts
7 DC CURRENT RANGES (neg. and pos. reading) 0-60-300 μamps; 0-1.2-12-120-600 Ma; 0-12 amps
5 RESISTANCE RANGES (self-contained batteries) 0-200-2000-200,000 ohms; 0-2-20 megohms
8 WIDE-FREQUENCY DECIBEL RANGES—20 to +77 Db
1% MULTIPLIERS AND SHUNTS
DIMENSIONS 5⅜" x 7" x 3⅛"
NET PRICE **$44.95**

MODEL 120M HIGH-ACCURACY
LABORATORY-TYPE MIRRORED-SCALE V-O-M

Designed for industrial and lab. applications. It incorporates every feature and all of the wide-spread ranges of Model 120 PLUS the features listed below.

20,000 OHMS-PER-VOLT DC 5,000 OHMS-PER-VOLT AC
½% ACCURACY MULTIPLIERS AND SHUNTS
1% ACCURACY MIRRORED-SCALE PACE METER
HIGH-ACCURACY MULTIPLIERS AND SHUNTS AND METER ±1½% accuracy DC, ±3% AC
ALL OTHER PHYSICAL AND ELECTRICAL SPECIFICATIONS are identical with Model 120 described above.
DIMENSIONS 5⅜" x 7" x 3⅛"
NET PRICE **$55.95**

MODEL 110
POCKET-SIZE
HIGH-SENSITIVITY V-O-M

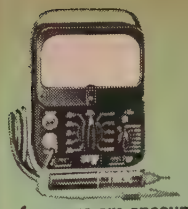
This rugged, pocket-size test set features full-size instrument performance and readability, incorporating an unmatched combination of ranges and functions for use in industrial and service applications.

20,000 OHMS-PER-VOLT DC 5,000 OHMS-PER-VOLT AC
7 DC VOLTAGE RANGES (20,000 ohms-per-volt) 0-0.3-1.5-6-30-150-600-3000 volts
6 AC VOLTAGE RANGES (5,000 ohms-per-volt) 0-1.5-6-30-150-600-3000 volts
5 DC CURRENT RANGES 0-60-600 μA; 0-6-60-600 Ma
3 RESISTANCE RANGES (self-contained batteries) 0-2000-200,000 ohms; 0-20 megohms
6 DECIBEL RANGES from —20 to +71 Db
RUGGED 3½ INCH WIDE-VISION PACE METER
1% MULTIPLIERS AND SHUNTS
DIMENSIONS: 1-11/16" x 3½" x 5⅜"
NET PRICE **$35.95**

MODEL 68
METAL-CASED V-T-V-M
WITH PEAK-TO-PEAK
VOLTAGE RANGES

A wide-range AC-operated general-purpose electronic multi-range tester especially developed to meet the demand for a comprehensive V-T-V-M at a modest price. Designed for industrial applications, maintenance, general electronic service and technical schools. Complete with 3-way Coaxial DC-AC Probe and internal ohmmeter battery.

5 PLUS (+) AND 5 MINUS (—) DC VOLTAGES (left-hand zero) 13⅓ megohms input resistance, 0-3-12-60-300-1200 volts DC
5 WIDE-SPREAD RESISTANCE RANGES 0-1000-100,000 ohms; 0-1-100-1000 megohms
5 HIGH-IMPEDANCE R.M.S. AC VOLTAGE RANGES 0-3-12-60-300-1200 volts R.M.S.
5 PEAK-TO-PEAK VOLTAGE RANGES direct reading 0-8-32-160-800-3200 volts P-P
5 STABILIZED ZERO-CENTER REFERENCE RANGES specifically provided for simplified FM discriminator balancing, voltage polarity determination, etc.
4 HIGH-FREQUENCY RF PROBE RANGES (available through use of accessory Crystal Probe, Model RF-12) 0-3-12-30-120 RF volts (R.M.S.)
ONE COAXIAL 3-WAY VTVM PROBE
1% MULTIPLIERS AND SHUNTS
3½" WIDE-VISION PACE METER
DIMENSIONS [illegible] x 3½"
NET PRICE **$64.95**



MODEL [illegible]
HIGH-IMPEDANCE
LABORATORY-TYPE
VACUUM TUBE VOLTMETER
with PEAK-TO-PEAK VOLTAGE
RANGES TO 3200 VOLTS

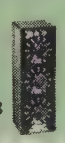
Specially-engineered peak-to-peak voltage ranges afford a new high in peak-to-peak reading accuracy of pulsed waveforms as are encountered in industrial control equipment, TV and similar applications.

MODEL 88, complete with 3-way Coaxial VTVM Probe, detachable AC line cord

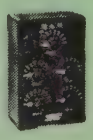
7 FUNCTIONS 40 RANGES
6 TRUE ZERO-CENTER DC VOLTAGE RANGES (26⅔ megohms input) 0 to ±1.2, ±6, ±12, ±60, ±300, ±1200 volts DC
5 OHMMETER RANGES 0-1000-10,000 ohms, 0-1-100-1000 megohms
6 MINUS (—) AND 6 PLUS (+) DC VOLTAGE RANGES (left-hand zero) 13⅓ megohms input resistance 0-1.2-6-12-60-300-1200 volts
6 HIGH-IMPEDANCE R.M.S. AC VOLTAGE RANGES 0-1.2-6-12-60-300-1200 volts R.M.S.
6 HIGH-IMPEDANCE P-P AC VOLTAGE RANGES 0-3.2-16-32-160-800-3200 volts P-P
5 HIGH-FREQUENCY PROBE RANGES. Input approximately 5 mmf, 0-1.2-6-12-60-300 volts R.M.S. (Requires accessory High Frequency Vacuum Tube Probe, Model RF-10A)
1 UNIVERSAL COAXIAL DC-AC VTVM PROBE
5½" WIDE-VISION PACE METER
1% MULTIPLIERS AND SHUNTS
DIMENSIONS 5⅜" x 7" x 3⅛"
NET PRICE **$84.95**

DECADE RESISTORS

Designed for use as lab. standards, and general industrial laboratory use.


1203

1204


1205

MODEL [illegible] 999 ohms in steps of 1 ohm (3 dials), size 11¾" x 4" x 5¼"
NET PRICE **$74.95**

MODEL [illegible] 9,999 ohms, in steps of 1 ohm (4 dials), size 14¾" x 4" x 5¼".
NET PRICE **$89.95**

MODEL [illegible] 99,999 ohms in steps of 1 ohm (5 dials), size 11¾" x 7¼" x 5¼".
NET PRICE **$109.95**

ACCURACY WITHIN ±0.1% except 1-ohm units which are adjusted to ±0.15%
EXCELLENT STABILITY achieved through use of selected alloys, ceramic forms and careful high-temperature aging
TEMPERATURE COEFFICIENT OF RESISTANCE less than ±0.002% per degree Centigrade; minimum residual reactances
TERMINALS Insulated Jack-top Posts

DECADE CAPACITOR

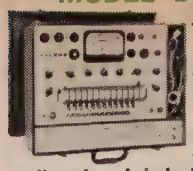
For lab. and industrial test purposes where a high degree of stability and wide range are important.

CAPACITANCE RANGE .001 mf to 1.110 mf
THREE DECADE UNITS in steps of .001, .01 and 0.1 mf
ALL UNITS ACCURATE WITHIN ±1%
MAXIMUM VOLTAGE 400 V peak or DC
TERMINALS Jack-top Binding Posts
METAL CASE AND PANEL for maximum shielding
POLYSTYRENE AND SILVERED MICA CAPACITORS
DIMENSIONS 11¾" x 4" x 5¼"
NET PRICE **$89.95**

MODEL [illegible]
WIDE RANGE SINE AND
SQUARE WAVE GENERATOR

The only generator on the market today to offer both sine and square wave coverage from 5 cps to 600 Kc at a moderate price.

EXTRA-WIDE FREQUENCY RANGE sine *and* square waves from 5 cycles per second to 600 Kc in 5 decimal bands; ±2% reading accuracy (or 1 cycle)
OUTPUT CHARACTERISTICS within ±1 Db over each band and within ±1 Db band-to-band
DISTORTION less than 1% from 5 cps to 600 Kc
LEVEL: Sine wave, 10 volts R.M.S. into 600 ohms; Square wave, 10 volts P-P, 0.2 μsec. rise time; 4-position step attenuator and continuous amplitude control
METERING TERMINALS at front of panel for convenient monitoring of output level via use of external VTVM, VOM or VU meter.
6" DIAMETER TUNING DIAL with 12-1 drive ratio; provides scale lengths of 85" over the 5 bands
DIMENSIONS 9" x 11½" x 11¼"
NET PRICE **$179.95**



MODEL 10-60 *Electronamic*
TUBE AND TRANSISTOR
TESTER with ULTRA-SENSITIVE
DIRECT-READING GAS TEST

An advanced, industrial-type instrument engineered to meet the needs of modern electronic production and maintenance testing. This instrument will find an important place in the well-equipped industrial laboratory, service shop, and technical school, offering an unparalleled combination of functions at a remarkably low price.

MODEL 10-60, complete with Transistor Adapter Cable and detailed technical manual.

TESTS
1. **VACUUM TUBES**
2. **LOW AND HIGH POWER TRANSISTORS**
3. **CRYSTAL DIODES**
4. **VOLTAGE REGULATOR TUBES**
5. **TV PICTURE TUBES**

TUBE TESTING
POSITIVE, ALL-INCLUSIVE TEST OF TUBE PERFORMANCE not limited to mutual conductance alone; effectively tests tubes over complete path of operation, not at just one arbitrary point
ULTRA-SENSITIVE GAS TEST CIRCUIT detects gas content on **PACE** 50 μA 5½" meter
FREE-POINT LEVER ELEMENT SELECTOR SYSTEM affords utmost protection against obsolescence
DUAL SHORT-CHECK SENSITIVITY special low-voltage short-check circuit
BUILT-IN PIN STRAIGHTENERS for 7- and 9-pin types
TESTS TUBES for regulation, at manufacturers' specified current limits
PROVIDES FOR TESTING FOREIGN-TYPE TUBES
5-WINDOW GEARED ROLL CHART provides the ultimate in space for data listing for all tube and transistor test settings

TV PICTURE TUBE TESTING
SPECIALLY-ENGINEERED CIRCUIT provides picture-producing beam current test (requires optional accessory Model PTA Picture Tube Cable Adapter and Model PAA 110° Socket Adapter)

TRANSISTOR AND CRYSTAL DIODE TESTING
WIDESPREAD Icbo RANGES COVER ALL TYPES OF TRANSISTORS low, medium and high power
WIDE RANGE OF COLLECTOR POTENTIALS 0.5 volts DC to 160 volts DC in 22 steps
DIRECT READING BETA RANGES circuit provides for separate injection currents for low and high-power types
CRYSTAL DIODE TESTS 22 DC voltages for forward and reverse current tests
LEVER SELECTOR PLUS UNIVERSAL SEMI-CONDUCTOR ADAPTER provides accommodations for all present and future semi-conductor releases

GENERAL INFORMATION
TUBE AND TRANSISTOR TEST DATA SUBSCRIPTION SERVICE FREE to registered owners for first year; thereafter at a nominal cost
DIMENSIONS 20" x 15" x 7"
NET PRICE **$215.00**

MODEL 10-40
Electronamic TUBE TESTER
with DIRECT-READING GAS TEST

A superbly-designed industrial-type instrument engineered to provide positive, all-inclusive testing of tube performance . . . not limited to mutual conductance alone.

TESTS
1. **VACUUM TUBES**
2. **VOLTAGE REGULATOR TUBES**
3. **TV PICTURE TUBES**

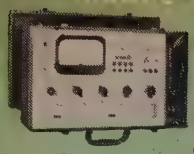
TUBE TESTING
POSITIVE, ALL-INCLUSIVE TEST OF TUBE PERFORMANCE not limited to mutual conductance alone; effectively tests tubes over complete path of operation
ULTRA-SENSITIVE GAS TEST CIRCUIT directly detects troublesome gas content via built-in V T V M
TESTS ALL MODERN TUBE TYPES INCLUDING SUB-MINIATURES
FREE-POINT LEVER ELEMENT SELECTOR SYSTEM affords utmost protection against obsolescence
DUAL SHORT-CHECK SENSITIVITY special low-voltage short-check circuit
BUILT-IN PIN STRAIGHTENERS for 7- and 9-pin types
TESTS TUBES for regulation, at manufacturers' specified current limits
PROVIDES FOR TESTING FOREIGN-TYPE TUBES
3-WINDOW GEARED ROLL CHART provides the ultimate in space for data listing for all tube and test settings

TV PICTURE TUBE TESTING
SPECIALLY-ENGINEERED CIRCUIT provides for picture-producing beam current test (requires optional accessory Model PTA Picture Tube Cable Adapter and Model PAA 110° Socket Adapter)

GENERAL INFORMATION
TUBE TEST DATA SUBSCRIPTION SERVICE FREE to registered owners for first year; thereafter at a nominal cost
DIMENSIONS 20" x 15" x 7"
NET PRICE **$159.95**

*Reg. U.S. Patent Office

ALL *PRECISION* TEST EQUIPMENT IS GUARANTEED FOR ONE FULL YEAR



MODEL 960 TRANSISTOR AND CRYSTAL DIODE TESTER

A comprehensive semi-conductor test set for reliable testing of transistors and crystal diodes. Operating parameters have been engineered in co-operation with leading semi-conductor manufacturers. Line operated, complete with Transistor Test Cable.

TESTS

1. **LOW-POWER TRANSISTORS**
2. **MEDIUM-POWER TRANSISTORS**
3. **POWER TRANSISTORS**
4. **CRYSTAL DIODES**

DIRECT Icbo READINGS

FIVE Icbo RANGES cover all types of transistors—low, medium and high power; n-p-n and p-n-p types

WIDE RANGE OF COLLECTOR POTENTIALS 0.5 volts DC to 100 volts DC in 17 steps

DIRECT-READING BETA RANGES. Circuit provides for 5 injection currents for low, medium and power types

CRYSTAL DIODE TESTS. 17 DC voltages for reverse current tests; also provides for forward tests

WIDE-ANGLE 5½" 100 MICROAMP PACE METER

TRANSISTOR TEST SETTINGS listed on roller chart

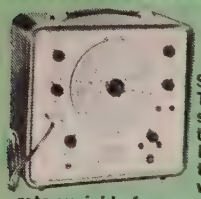
PATCHCORD ELEMENT SELECTOR SYSTEM AND UNIVERSAL SEMI-CONDUCTOR ADAPTER provide for accommodation of future semi-conductor releases

HIGH-SPEED GEARED ROLL CHART

TRANSISTOR AND CRYSTAL DIODE TEST DATA SUBSCRIPTION SERVICE FREE to registered owners for first year; thereafter at a nominal cost

DIMENSIONS 18" x 10½" x 6¼"

NET PRICE **$99.95**



MODEL E-200C

MULTI-BAND SIGNAL-MARKING GENERATOR

The famous general purpose RF signal generator whose exceptional stability and accuracy have made it the #1 choice of technicians and schools everywhere. Also serves as an accurate variable-frequency Marker Generator. MODEL E-200C, complete with output cable.

FREQUENCY COVERAGE 88 Kc to 440 Mc (to 110 Mc on fundamental)

6½" BRUSHED ALUMINUM DIAL direct reading in 10 bands up to 440 Mc; 1% accuracy on all

0-1000 POINT VERNIER SCALE

THE CIRCUIT 6AU6 in stable E.C.O. circuit; 6U8 audio oscillator-modulator; 5Y3 full wave rectifier

400-CYCLE SINE WAVE AUDIO OSCILLATOR with over 50 volts output, fully adjustable at front panel

DUAL-SHIELDED RF ATTENUATORS

COMPARTMENT SHIELDING of vital components; AC line is RF filtered

SHIELDED COAXIAL OUTPUT CABLE AND (LO-HI) CABLE CONNECTORS

FOUR TYPES OF SIGNALS. Unmodulated RF, 400 cps Modulated RF, Externally-modulated RF, 400 cps Audio Output

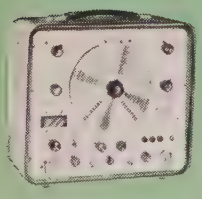
DIRECT-READING VARIABLE MODULATION CONTROL 0-100%; triples signal utility as against obsolete fixed or stepped modulation of only 30% or 40%

BUILT-IN AVC-AGC BIAS SUBSTITUTION

EACH INSTRUMENT INDIVIDUALLY HAND CALIBRATED

DIMENSIONS 11½" x 13" x 6⅝"

NET PRICE **$99.95**



MODEL E-300B

SWEEP SIGNAL GENERATOR

Application-engineered for FM and TV visual alignment procedures. Unparalleled standard of performance and value for the efficient TV and FM service lab and test bench. Complete with 2 megacycle and 4.5 megacycle crystals, cables, leads.

DIRECT FREQUENCY READING 3 to 900 Mc in 8 bands; harmonically calibrated from 390 to 990 Mc

ALL VHF CHANNELS DIRECTLY CALIBRATED on tuning dial (channels 2 thru 13)

6½" SATIN BRUSHED-ALUMINUM TUNING DIAL

INTERNAL RETRACE BLANKING CIRCUIT eliminates dual traces

NARROW AND WIDE-BAND ZERO-CENTER SWEEP CIRCUIT 0-1 Mc and 0-15 Mc

DUAL CONTINUOUS RF ATTENUATORS triple shielded

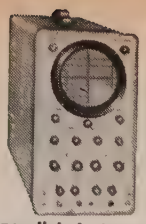
WIDE-RANGE PHASING CONTROL

MULTIPLE CRYSTAL MARKER-CALIBRATOR built-in; 0.02% accuracy; 4.5 Mc and 2 Mc crystals supplied

TERMINATED RG/U TYPE COAXIAL OUTPUT CABLE

DIMENSIONS 11½" x 13" x 6⅝"

NET PRICE **$175.00**



MODEL ES-550B

5-MEGACYCLE HIGH-SENSITIVITY 5" OSCILLOSCOPE

The complete answer to laboratory, industrial and electronic technicians' requirements for a rugged, dependable instrument for broadest coverage of oscilloscope applications including color TV. Provides an unparalleled standard of extra-high sensitivity with full 5-megacycle wide-frequency response.

RESPONSE, 10 CYCLES TO 5 MEGACYCLES

PUSH-PULL WIDE-BAND VERTICAL AMPLIFIER
10 MV (.01 volts) per inch sensitivity
Cathode-follower Input: 2 megohms and 22 mmf
Response 1 Db from 10 cps to 3.5 Mc; 3 Db at 5 Mc

3-POSITION VERTICAL STEP ATTENUATOR frequency-compensated; X100, X10, X1

DIRECT-READING PEAK-TO-PEAK VOLTAGE CALIBRATOR permits use of oscilloscope as dependable high-impedance Vacuum Tube Voltmeter

VERTICAL PATTERN REVERSING SWITCH

PUSH-PULL WIDE-RANGE HORIZONTAL AMPLIFIER
100 MV (0.1 volts) per inch sensitivity
Cathode-follower Input: 2 megohms and 22 mmf
Response 1 Db from 10 cps to 1.0 Mc; 3 Db at 2 Mc

3-POSITION HORIZONTAL STEP ATTENUATOR frequency compensated; X100, X10, X1

LINEAR MULTI-VIBRATOR SWEEP CIRCUIT
10 cycles to 100 Kc; automatically synchronized 30 cycles and 7875 cycles sweep for TV sync-pulse analysis; amplified sweep retrace blanking

AMPLIFIED AUTO-SYNC CIRCUIT

FOUR-WAY SYNC SELECTION
Internal negative, Internal Positive, External & Line

3000-VOLT INTENSIFIER ANODE POTENTIAL assures utmost visibility of oscilloscope traces for pulsed waveforms and high frequencies

"Z" AXIS INPUT TERMINAL for blanking, timing and marking

BUILT-IN 60 CPS PHASING AND BLANKING CONTROLS

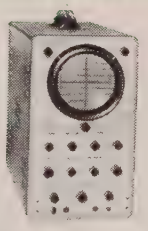
ALL 4 DEFLECTION PLATES READILY AVAILABLE

HIGH-CONTRAST FILTER-TYPE ILLUMINATED GRATICULE

CAMERA MOUNT BEZEL

DIMENSIONS 8¼" x 14½" x 18½"

NET PRICE **$249.95**



MODEL ES-525

GENERAL PURPOSE 5" OSCILLOSCOPE

This highly-stable general-purpose oscilloscope affords the maximum in performance and operation flexibility at moderate cost.

PUSH-PULL VERTICAL AMPLIFIER
Response: 3 Db from 10 cps to 500 Kc; 6 Db to 700 Kc
20 MV (.020 V) R.M.S. per inch sensitivity
Input: 3.3 Megohms and 40 mmf

3-POSITION VERTICAL STEP ATTENUATOR frequency compensated X100, X10, X1

DIRECT-READING BUILT-IN P-P VOLTAGE CALIBRATOR

EXCELLENT SQUARE WAVE RESPONSE 20 cps to 50 Kc

PUSH-PULL HORIZONTAL AMPLIFIER
Response: 3 Db from 10 cps to 150 Kc (at full gain)
60 MV (.060 V) R.M.S. per inch sensitivity
Input: 2.2 Megohms, 30 mmf

INTERNAL LINEAR SWEEP 10 cps to 100 Kc as low as 2 cps with external capacitor

SYNCHRONIZATION Neg, Pos, External and Line

BUILT-IN SINE SWEEP PHASING CONTROL

"Z" AXIS MODULATION INPUT TERMINAL

DEFLECTION PLATES AT REAR

AUDIBLE MONITORING FACILITIES via tip jacks

ILLUMINATED GRATICULE (VARIABLE INTENSITY)

CAMERA MOUNT BEZEL

DIMENSIONS 8¼" x 14½" x 18½"

NET PRICE **$179.95**

MODEL SP-5

OSCILLOSCOPE TEST PROBE SET

Important accessories for application of an oscilloscope to sensitive electronic circuits and to analysis of complex waveforms. For use with all previous and current *PRECISION* Oscilloscopes.

SET INCLUDES:

HIGH-IMPEDANCE/LOW-CAPACITY PROBE
—10 to 1 divider type

CRYSTAL DEMODULATING PROBE

RESISTIVE ISOLATING PROBE

DIRECT PROBE (shielded)—plus Master Cable

NET PRICE **$29.95**

ALL PRECISION TEST EQUIPMENT IS GUARANTEED FOR ONE FULL YEAR

PRECISION

ELECTRONIC TEST EQUIPMENT for INDUSTRIAL MAINTENANCE and COMMUNICATIONS

PRECISION APPARATUS COMPANY INC.
(A subsidiary of Pacotronics, Inc.)
70-31 84TH STREET
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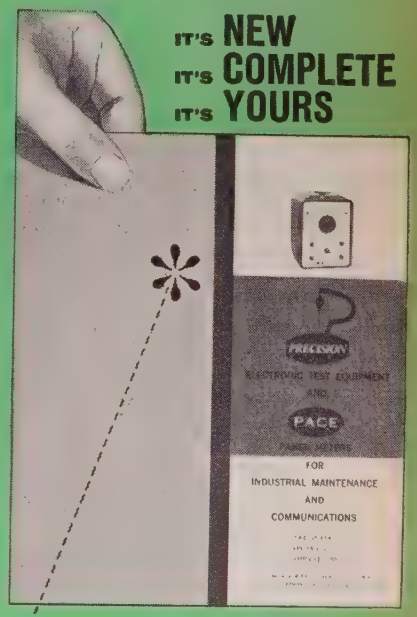
TELEPHONE: DAVENPORT 6-3982

Export: Morhan Exporting Corp., 458 B'way, N. Y. 13
Canada: Atlas Radio Corp., Ltd., 50 Wingold Ave., Toronto



IT'S **NEW**
IT'S **COMPLETE**
IT'S **YOURS**

IT'S THE **1960** *PRECISION* PACE **CATALOG**

of Electronic Test Equipment and Panel Meters for **INDUSTRY COMMUNICATIONS SERVICE**

Write for your copy on your company letterhead.

Dept. EBG.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BRYANT offers you a complete line

. . . of Standard "Quick Delivery" Magnetic Storage Drums

Bryant's three new series of 5", 7.5" and 10" diameter standard drums offer impressive savings plus prompt delivery. These series, covering the majority of computer requirements, are:

SERIES	TRACKS	BIT CAPACITY	R.P.M.
5000B	85 to 280	174,080 to 569,344	3,600 to 24,000
7500B	85 to 280	261,220 to 860,160	1,800 to 12,000
10000B	85 to 420	348,160 to 1,720,320	1,800 to 6,000

All Bryant standard magnetic drums are made to the same precision standards as are Bryant custom-designed drums. A few of their many features: 1. Drums are precision ground and dynamically balanced. Guaranteed less than .0001" dynamic runout. 2. Powered by exclusive Bryant-designed-and-manufactured integral drive induction motors. 3. Superprecision ball bearings. 4. Exclusive Bryant tapered drum head-setting method, guaranteeing exact head-to-drum spacing. 5. Standard heads providing .200" minimum register arc length. 6. Compatible with MIL-E-4158A and MIL-E-16400-B specifications. Bryant Computer Products Division, P.O. Box 620M, Springfield, Vermont, U.S.A.

Write now for complete information

TELEMETRY EQUIPMENT

to meet **IRIG** specifications

TRANSMITTERS
for use in Standard Telemetry Band.
Power Ratings from 2 to 100 W.

RF AMPLIFIERS
for use in Standard Telemetry Band.
Power Ratings from 10 to 100 W.

SUB-CARRIER OSCILLATORS

ELECTRONIC COMMUTATORS

RF NOISE SUPPRESSION FILTERS

Our new and greatly enlarged engineering and production facilities are always available to meet your custom requirements.

Write, wire or phone today, for technical bulletins.

ADVANCED ELECTRONICS CORP.
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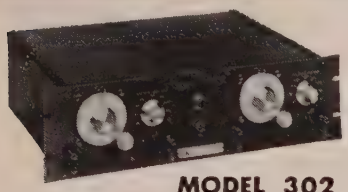
HICKSVILLE, L. I., N. Y.
OVERBROOK 1-6400

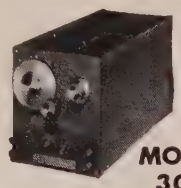
SKL PRECISION INSTRUMENTS
FOR YOUR MEASUREMENT PROBLEMS

• QUALITY • ACCURACY • RELIABILITY

VARIABLE ELECTRONIC FILTERS: SERIES 300



MODEL 302



MODEL 300

MODEL 308

FUNCTION		High or Low Pass Band Pass or Reject	High or Low Pass	High or Low Pass Band Pass or Reject
Cut-off Freq. Range		20 cps to 200 kc	20 cps to 200 kc	0.2 cps to 20 kc
Attenuation Rate	Per Section	18 db/octave	18 db/octave	24 db/octave
	Max.	36 db/octave	18 db/octave	48 db/octave
PASS BAND		2 cps to 4 mc	2 cps to 4 mc	2 cps to 1 mc
DIAL ACCURACY		± 3% to 20 kc ± 5% above 20 kc	± 3% to 20 kc ± 5% above 20 kc	± 5%
INSERTION LOSS		0 ± 1 db	0 ± 1 db	4.5 db ± 1 db
NOISE LEVEL		60 microvolts	60 microvolts	60 microvolts

. . . For elimination of unwanted signals in your data

. . . For studies in vibration, dynamics, telemetering, acoustics and speech

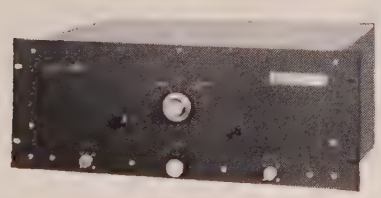
The Series 300 Variable Electronic Filters were developed to meet the problems of inflexibility and expense inherent in conventional multi-frequency filters. Where the fixed filter made for a specific application becomes useless for any other need, the SKL Variable Electronic Filter serves to fulfill broad and diversified laboratory requirements.

Continuous range of cut-off frequency and ability to produce band-pass and band-rejection characteristics with *independent* control of the upper and lower cut-off frequencies are invaluable.

WIDE-BAND CHAIN AMPLIFIERS: SERIES 200

for every application

MODEL 206



The 9 in 1 amplifier providing any combination of:

Gaussian, flat or sloping response curve

Linear, pulse or high level pulse output mode

MODEL	BANDWIDTH	GAIN	OUTPUT	IMPEDANCE	
				INPUT	OUTPUT
222	40 mc—216 mc	30 db	2 v, peak	75	75
211A	15 mc—110 mc	33 db	4 v, rms	50 or 75	50 or 75
202D	1 kc—210 mc	20 db	4 v, rms	200	200
212C-TV	54 mc—216 mc	20 db	3 v, peak	50 or 75	50 or 75
206	600 cps to 320 mc	18 db to 24 db	(1) 6 v, rms (2) 60 v, pulse (3) 125 v, pulse	180	200

FAST-RISE PULSE GENERATOR

***THE* Standard for Millimicrosecond Pulses**

Model 503 is ideal for testing the transient response of wide band amplifiers and semiconductors. Higher voltage pulses are available through use of an external power supply.

Rise time:	Less than 1 millimicrosecond
Amplitude:	0 to 150 volts
Repetition Rate:	50 to 120 cps
Pulse Width:	.06 x 10^{-10} Sec., Minimum Determined by Length of Width Cable. Max. Width not Restricted. .05 x 10^{-9} Sec., Factory Supplied
Polarity:	Either Positive or Negative
Load Impedance:	50 ohms

For further information write

SKL SPENCER-KENNEDY LABORATORIES, INC.
1320 SOLDIERS FIELD ROAD
BOSTON 35, MASS.

CLOSED CIRCUIT TELEVISION SYSTEMS:

SKL manufactures complete TV distribution systems for community, educational, apartment house and industrial use. Details upon request.

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

INERTIAL COMPONENTS

SUB-SYSTEMS AND FLIGHT TEST EQUIPMENT

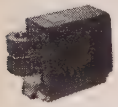
RATE GYROSCOPES

TYPE M-100 is the latest in Honeywell's family of miniaturized high performance rate gyros. It features constant damping (0.6 at −65°F) over a wide operating temperature range without the use of heaters.

TYPE GN or "Golden Gnat" is another of Honeywell's high performance gyros and has been in full production in a wide variety of miniature rate packages over the past three years.

TYPE JR, another rate gyro of proven reliability, features a unique quadrilever spring suspension for high sensitivity and a wide full range under severe environmental conditions; TYPE JRT is available with heaters for those critical applications requiring constant damping; TYPE K Rate Measuring Gyro features a linear output signal that is proportional to the input rate within 0.25% full scale.

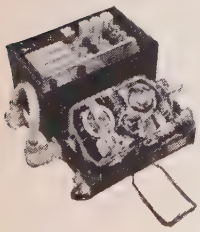
INERTIAL SUB-SYSTEMS



F-102 THREE-AXIS RATE GYRO SYSTEM Instantaneous detection of aircraft turning rates about the roll, pitch, and yaw axes is accomplished by three Model JR gyros. The resulting output signals teamed with other equipment, make possible uniform pilot control response for all flight conditions.

F-106 THREE-AXIS TURN RATE TRANSMITTER This sub-system features three Gnat miniaturized gyros that detect rate of turn about the roll, pitch, and yaw axes and responds with an output signal to provide polarity reversing D-C outputs proportional to the corresponding input rate.

CONTRACT ENGINEERING AND MANUFACTURING



Honeywell's Boston Division will design from customer specifications or prototypes, or manufacture to customer's drawings. Typical of the completed programs in this area are: CN-100 Compass-controlled Stable Reference Platform for a bombing system (shown at left), and Displacement Gyros for the A1A/BNC Bombing Navigational Computer.

ACCELEROMETERS

TYPES LA-100, LA-300 are low cost, rugged, linear, non-pendulous units with potentiometer outputs.

TYPE LA-200 is a miniaturized, pendulous, linear accelerometer which is fluid-damped and mechanically compensated. Output signal is provided by a variable reluctance signal generator.

TYPE LA-500 is a linear, non-pendulous, fluid-damped potentiometer output device that features constant damping, linear response, (−65° and +175°F).

TYPE LA-600 is a linear, non-pendulous A-C accelerometer in which pick-off friction is eliminated to permit resolution of extremely low level inputs. This accelerometer features magnetic damping for near constant damping ratio (−65°F to +250°F).

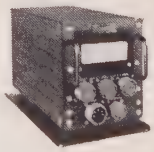
TYPE LA-700 linear, non-pendulous accelerometer is a complementary unit to the LA-600 for those applications requiring a high full-scale range combined with a low natural frequency

TEST EQUIPMENT

HONEYWELL RATE GYRO TEST SET designed for use by field personnel for the static analysis of rate gyros, rate gyro demodulator amplifier, and three-axis rate gyros packages. This equipment meets the design requirements of MIL-T-945 and environmental test requirements outlined in MIL-E-4970.

SPECIALIZED TEST EQUIPMENT such as Radar Range Servo Test Sets, Frequency Response Analyzers, and other electronic equipment can be designed and manufactured to meet your requirements.

FLIGHT TEST EQUIPMENT



TYPE DV-4 POWER SUPPLY-DEMODULATOR (115 volt, 400 cycle, single-phase primary power available) energizes 1 to 3 Honeywell Rate Measuring Gyros, Type K, and translates the gyro output signals to a form suitable for use with recording oscillograph galvanometers or tape recorders.

Write to Minneapolis-Honeywell, Boston Division, Dept. 7, 40 Life Street, Boston 35, Massachusetts.

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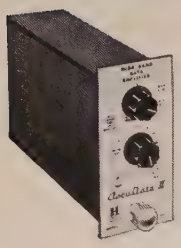
Honeywell

Military Products Group SINCE 1885

PRECISION INSTRUMENTS

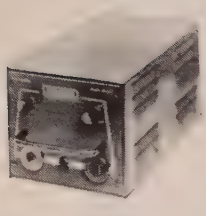
FOR MEASUREMENT AND CONTROL

AMPLIFIERS



AccuData II FOR DATA HANDLING is an all-transistorized, wide-band, d-c amplifier featuring differential and single ended input with very low noise and drift, excellent linearity and gain stability. It is especially useful for driving analog-to-digital converters, f-m magnetic tape systems, and high speed oscillographs where low level signals such as thermocouples and strain gages are to be measured. *Write for Bulletin BS-DISA.*

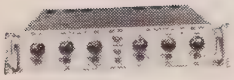
D-C AMPLIFIERS



GENERAL PURPOSE, NON-INDICATING AMPLIFIER MODEL 2HLA-4 is available in 14 standard plug-in ranges from 100 microvolts full-scale to 100 millivolts full-scale. Honeywell Second Harmonic Magnetic Converter provides *completely isolated* differential input circuits operable at common mode voltages up to 500 volts d-c. *Write for Catalog BC-2HLA-4.*

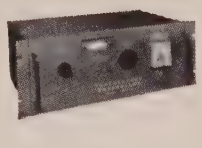
PRE-AMPLIFIER FOR POTENTIOMETER-TYPE INSTRUMENTS MODEL 2HLA-7 amplifies d-c inputs as low as 20 microvolts to give full-scale deflection on a ¼ second pen speed strip chart recorder. It is used with circular or strip chart potentiometers. Honeywell Second Harmonic Magnetic Converter at input provides both isolated input and minimum zero drift. *Write for Catalog BC-2HLA-7.*

INDICATING D-C AMPLIFIER FOR LABORATORY USE MODEL 2HLA-9 can be used in low level measurement as an ultra-sensitive null indicator, indicating d-c amplifier, or d-c pre-amplifier. It has an 8-position range (from $\pm 10\mu$v full-scale to 30mv full-scale) switch and an electrical zero adjustment. *Write for Specification BC-2HLA-9.*



SIX-CHANNEL GALVANOMETER AMPLIFIER MODEL T6GA is a compact, three-stage, six-channel, transistorized amplifier designed to drive high-frequency galvanometer oscillographs from sources of 1 volt or more. Inputs can be audio oscillators, detectors, demodulators, telemetering amplifiers, or other low-power output amplifiers. Each channel is isolated from ground by individual floating power supplies. *Write for Specification BS-T6.*

TEMPERATURE CONTROLLERS



PRECISION TEMPERATURE CONTROLLER The 2HCT deviation-indicating, precision Temperature Controller amplifies a thermocouple input to control a saturable core reactor. The instrument consists of a Zener diode reference circuit with manually adjusted set point feeding a highly stable differential input d-c amplifier. **MODEL 2HCT-2** provides direct reading of set point on a calibrated 15″ scale for thermocouples or other millivolt sources.

MODEL 2HCT-3, for noble metal thermocouples (Types R and S) covers temperatures from 0°-3000°F with a three-step digital reading set point control. *Write for Catalog BC-2HCT.*

MAGNETIK NULL INDICATORS

These rugged galvanometers are used as null balance detectors or as linear deflection instruments. Honeywell Second Harmonic Magnetic Converter in input stage makes them insensitive to 60 cps and 120 cps pickup. Isolated input permits use in measurements which must be referred to a voltage level other than ground. *Write for Specification BS-NI.*

MICROSYN ANGULAR POSITION INDICATOR

A small, precision, electromechanical signal generator which transforms angular displacement into an electrical signal. Used extensively in fire control computers and gyro instrumentation, the highly accurate and dependable Microsyn offers a new level of performance to designers of indicating and control equipment in the chemical, refinery, and process industries for signal pickoff, process controllers, data transmitters and computers. *Write for Specification BS-MPI.*

CUSTOM INSTRUMENTS

Honeywell invites your inquiry on custom development and manufacture of any precise electronic measurement and control instrument.

(For further information, consult your nearest branch office, or write Minneapolis-Honeywell, Boston Division, Dept. 7, 40 Life Street, Boston 35, Mass.)

75th YEAR PIONEERING THE FUTURE

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First in Control

SINCE 1885

This free 36-page manual explains the technical details of 18 separate uses of the Honeywell Visicorder. The thorough, complete articles discuss applications of the Visicorder in industrial, medical, military, research & test, nuclear, and general fields. The articles are complete with listings of related transducers, amplifiers, and associated equipment varying with the application, and include wiring diagrams and specimen records of tests taken in each use.

The Applications Manual is a valuable guide, rich in problem-solving suggestions.

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a manual of VISICORDER applications

THE MODEL 906 VISICORDER

Recent Models of the 906 Visicorder incorporate time lines and grid lines and record up to 14 simultaneous channels of data.

THE MODEL 1108 VISICORDER

The NEW Model 1108 Visicorder, with many automatic features and the convenience of push-button controls, is ideal for intermediate uses requiring up to 24 channels of data.

THE MODEL 1012 VISICORDER

The Model 1012 Visicorder is the most versatile and convenient oscillograph ever devised for recording as many as 36 channels of data.

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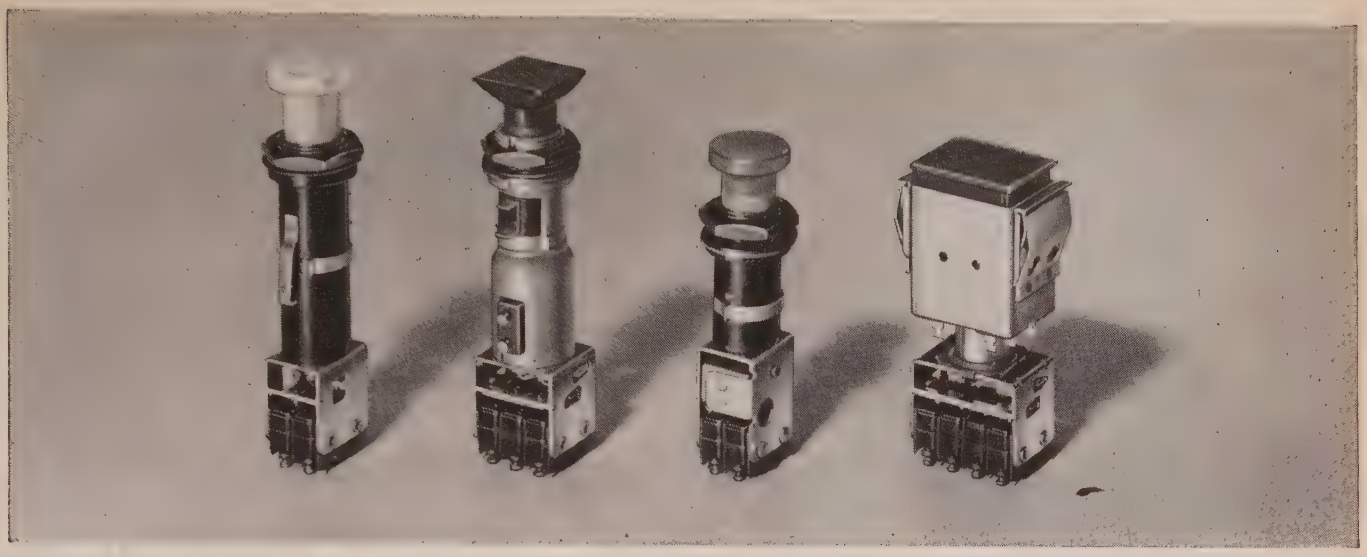
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



LIGHTED PUSHBUTTON SWITCHES—MICRO SWITCH manufactures a complete line of lighted pushbutton switches that saves wiring, cuts panel space. Available in momentary, maintained, alternate-action and magnetically held versions. Up to 4-pole double-throw circuitry and a choice of button sizes, shapes and colors. Write for Catalog 67.

ONE COMPLETE SWITCH SOURCE

when you must be sure of Precision and Reliability

SUBMINIATURE TOGGLE—Perfect combination of high capacity and small size. Part of a complete line of toggles, including hermetically sealed models, multiple unit toggle assemblies and virtually any type of circuit arrangement you may need. Write for Catalog 73.

"SM" SERIES—Small size, light weight and high electrical capacity. May be assembled into auxiliary actuator brackets, gang-mounted or used in pushbutton assemblies and rotary selectors. Precise operation and long life. Also available sealed in metal housings. Write for Catalog 63.

SUBMINIATURE MERCURY SWITCH—Ideal for locations where a minimum of operating energy is available. MICRO SWITCH manufactures over 1,000 different types of mercury switches, including enclosed models sealed in a resilient material with a protective case to guard against shock and vibration. Write for Catalog 90.

SEALED SUBMINIATURE—"SE" switches are available in 3 different circuit designs, with environment-free seal, corrosion-resistant aluminum housing. A smaller "XE" version now available is the smallest and lightest environment-free switch available. Write for catalog 78.

SUB-SUBMINIATURE SWITCHES—Smallest single-pole double-throw, snap-action switches available, yet have ample electrical capacity and will give long, precise service. Write for Catalog 63.

Consult the Yellow Pages for the address of the nearby MICRO SWITCH branch office. Engineering counsel is always easily available and nearby distributors simplify replacement.

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Honeywell
MICRO SWITCH Precision Switches

DESIGN TO-DAY FOR RELIABLE PERFORMANCE THROUGH THE YEARS TO COME

Today's circuits must operate reliably and precisely over long periods of time and under a great variety of exacting conditions. The resistors you choose must match the high performance you project for the entire system.

SAGE PRECISION WIREWOUND POWER RESISTORS give you:

Close Tolerance .... to .05% Insulation ..... 1,000 V-rms Minimum
T.C. ..... ± 20 ppm/°C. Stability ..... .5% Maximum Lifetime Drift

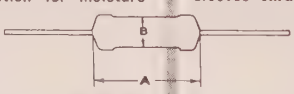
Beyond these characteristics, however, SAGE skills and in-process testing methods developed through more than a decade of specialization assure you of maximum protection against catastrophic failure and give Sage Resistors the *Priceless Plus of Reliability* . . . SAGE offers a variety of power ratings, from 1 Watt to 50, in three basic types, as detailed below, with resistances to 200,000 ohms. We shall be happy to send detailed specifications.

Check your requirements against these SAGE "Silicohm" Resistors

In 13 sizes from 1 to 10 Watt Ratings

TYPE "S," SILICONE COATED POWER RESISTORS

Compact, light weight, single layer "Silicohm" type "S" units are made to MIL-R-26C Characteristic G. Exclusive high temperature insulation for moisture environment . . . minimum dielectric strength of 1000 V-rms . . . precision .05% . . . T.C. of 20 ppm/°C.



MODEL	ratings, WATTS	dimensions, A*	B*	resistances Max. Ohms
SA1W	1	.500	.125	12,000
SB1W	1	.687	.125	20,000
SA2W	2	.500	.187	15,000
SB2W	2	.812	.187	25,000
S2W	2	.625	.250	20,000
S3W	3	.750	.250	30,000
SS5W	5	.875	.312	50,000
SR5W	5	1.000	.312	60,000
SL5W	5	1.125	.312	70,000
SS7W	7	1.250	.312	80,000
SR7W	8	1.375	.375	125,000
SS10W	10	1.812	.375	175,000
S10W	10	1.937	.375	200,000

*nominal inches

In 3, 5, 7, 8 and 10 WATT ratings

TYPE "CS" CLIPPER METAL SHEATHED RESISTORS

The new standard in **clip mounting, assembly protected** units, Type "CS" Resistors feature metal sleeves **shrunk** by a Sage developed process to conform exactly to fully insulated type "S" resistors. Smallest in size and coolest in operation of comparable units. **Wattage Ratings double when CS is clip mounted on full heat sink.** Tolerance from .05 to 5% available.

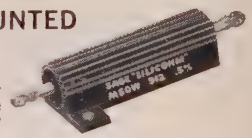
MODEL	ratings, WATTS	dimensions, A*	B*	resistances Max. Ohms
CS3W	3	.750	.250	30,000
CSR5W	5	1.000	.312	60,000
CSS7W	7	1.250	.312	80,000
CSR7W	8	1.375	.375	125,000
CS10W	10	1.937	.375	200,000

*nominal inches

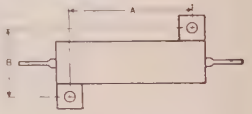
Write now for free samples and complete specifications.

In M10W, M25W, and M50W Sizes

TYPE "M" METAL CLAD CHASSIS MOUNTED RESISTORS



Aluminum housed resistors for direct plate mounting, Type "M" units feature considerably less heat rise than similar units. Lower **Hot Spot** means long service life, near perfect stability (Average resistance shift is only 0.4% after 1000 cycled hours at recommended loads), and exceptional reliability under extreme conditions. MIL-R18546 Characteristic G models in 15 and 30 Watt Ratings. Dielectric strengths to 2500 V-rms.



MODEL	ratings, WATTS	resistances MAX. OHMS
M10W	10	25,000
M25W	20	50,000
M50W	40	175,000

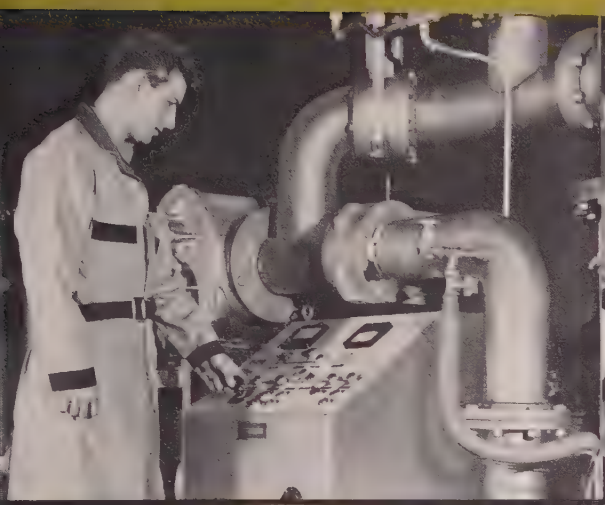
Nominal Mounting Dimensions, inches		
MODEL	A	B
M10W	.562	.625
M25W	.719	.781
M50W	1.562	.844

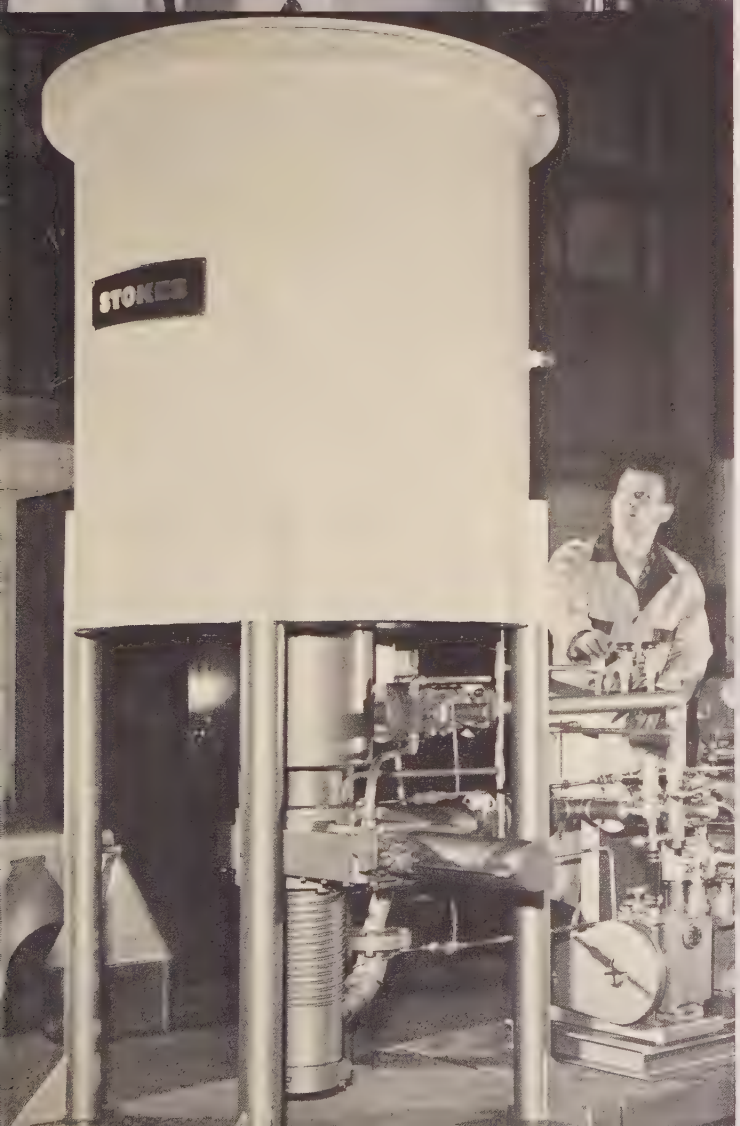
SAGE ELECTRONICS CORPORATION
COUNTRY CLUB ROAD • EAST ROCHESTER, N. Y.

SUPERIOR SERVICE TO THE ELECTRONICS INDUSTRY THROUGH

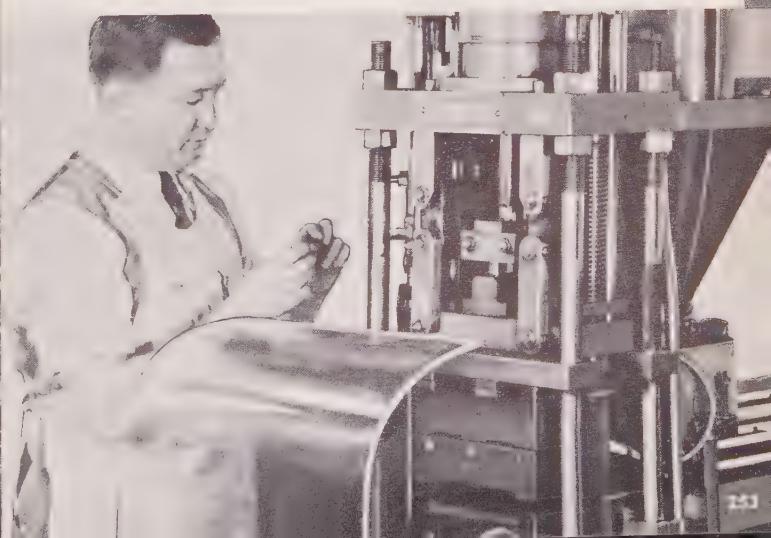
STOKES

INTEGRATED PRODUCT KNOW-HOW





Stokes offers the Electronics Industry a commodity that's unique: the largest single backlog of experience in pressing, compacting and molding, and in the application of vacuum technology . . . all channeled to the Electronic Industry's needs. This integrated product know-how is the key to Stokes superior service. Through close association, we are keenly aware of your manufacturing demands and problems . . . and all of our equipment is designed and built to give you the high product quality so essential in a quality-conscious industry. Listed on the following pages are just a few examples of the equipment Stokes manufactures to serve the Electronics Industry.



INTEGRATED PRODUCT KNOW-HOW: key to

ELECTRONIC PROCESSING EQUIPMENT

Vacuum Baking Ovens ↑

In the manufacture of semi-conductors—where thin slices of crystallized silicon, germanium and other materials must be processed in controlled conditions—Stokes vacuum ovens do a particularly exacting job. The model #236, for example, is an integral package unit which has its own vacuum pumping system . . . special electrical heating equipment and temperature regulating and indicating instrumentation. It is shown above with Dry-Box attachment.

Vacuum Impregnation Systems

Stokes Vacuum Drying and Impregnation systems are being used throughout the electronics industry: power cables, coils and condensers, armature and transformer coils etc. With this equipment, life of material has been lengthened; insulation perfected; wear reduced; strength added; and, in addition, protection from water, oxidation or other destructive agents has been furnished.

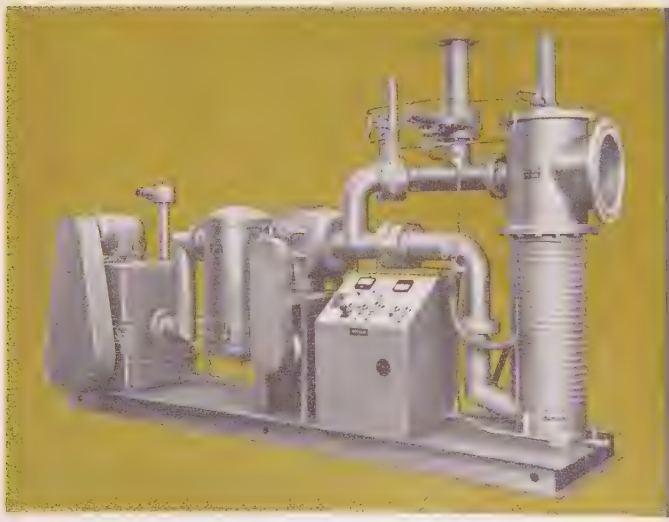
TV Tube Aluminizers

Stokes automatic "twin-tube" aluminizer is a high-production unit for evaporating an aluminum film on black and white or color tube screens. Design flexibility makes it possible to use Stokes aluminizing equipment for virtually any type tube or production. The unit is completely automatic.

Silicon Purifying Units ↑

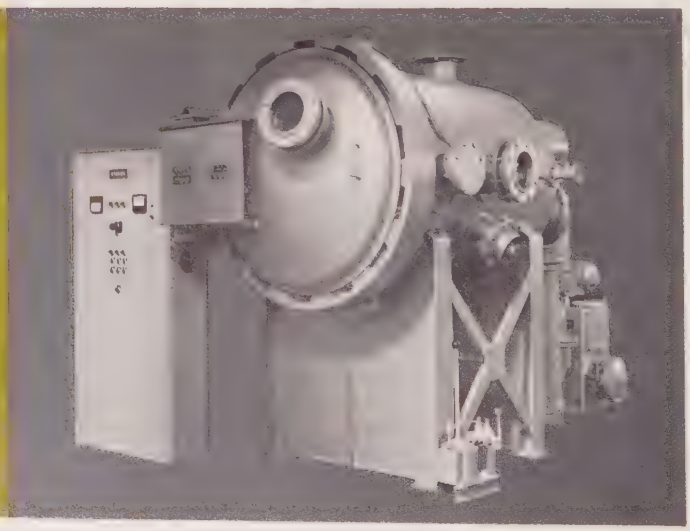
Stokes has provided an array of high vacuum units to a customer for refining silicon on a commercial scale to a degree of purity that approaches the theoretical limit. The impurity content of silicon refined by this method is being brought down to as low as one part in ten billion. Stokes high vacuum know-how is a significant contribution to the system.

VACUUM SYSTEMS FOR HIGH ALTITUDE SIMULATION



High Vacuum Pumping System

Designed by Stokes specifically to evacuate an aerodynamic wind tunnel facility, the high vacuum system pictured above features three stages: mechanical booster pump, roots type blower and 16″ diffusion pump. The system is base-plate-mounted and includes a graphic control panel.



Altitude Explosion Test Chamber

Explosion tests at various simulated altitudes to 700,000 feet are performed in this environmental facility. The chamber is 4 feet in diameter by 5 feet in length, and incorporates in its design safety features to protect operating personnel as well as the basic equipment.

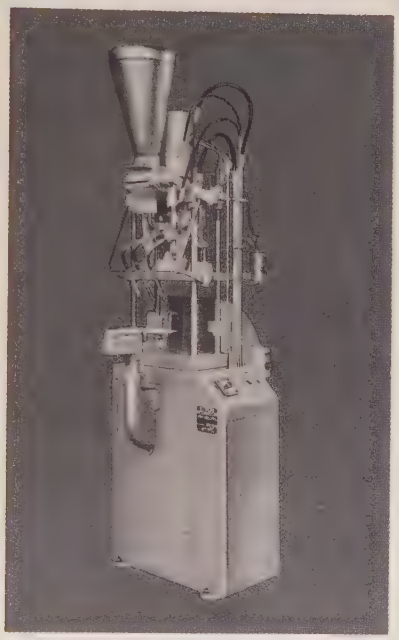
The vacuum unit is complete with integral pumping system and controls.

STOKES service to the ELECTRONICS INDUSTRY

COMPACTING AND MOLDING PRESSES

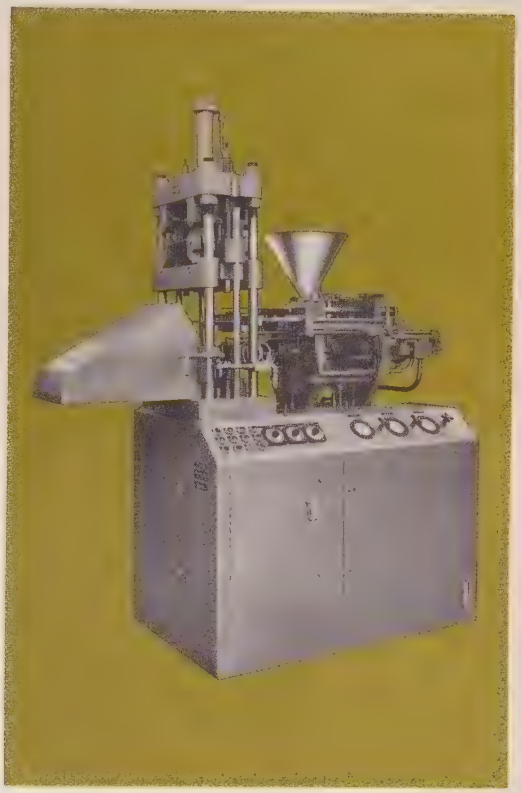
Compacting Presses

Representative of the Stokes complete line of industrial compacting presses, the F-4 is ideally suited for producing tantalum anodes, barium, titanate, ferrite cores and hermetic seals. It provides high speed, low cost compacting of small parts and components such as powder metal tuning slugs, transformer cores, small shields and a variety of parts. Dust tight construction makes it ideal for pressing abrasive materials. Stokes compacting presses contain the most advanced features available today.



Automatic Compression and Transfer Molding Presses

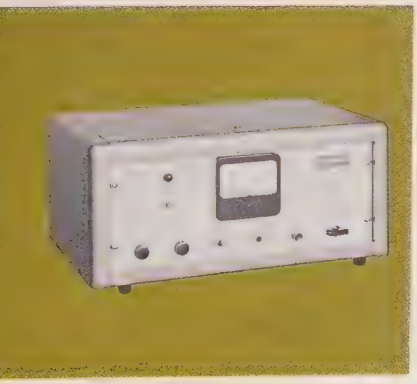
These presses reduce labor costs to a minimum. One man can run up to 10 units. The Stokes Model 725 press is a case in point. It is the best answer to the problem of economically producing small parts. It can be used as an automatic or semi-automatic compression or transfer molding machine. And vertical clamp design permits insert molding. The model 741 automatic compression or transfer molding machines are very fast and exceptionally versatile. The 741 makes *every operation completely independent of human error.*



Automatic Injection Molding Presses

Completely self-contained, the Stokes Model 701 —2 oz. injection molding press molds, de-gates, ejects and sorts automatically. A single machine requires only 1/10 of any operator's time. *Shorter cycles* and *higher operating* efficiencies result in greater output per cavity. In addition, precise, repetitive control of cycle time eliminates variations in temperature and pressure . . . reduces rejects and increases product quality. The press is also available in 6 oz. capacity.

INSTRUMENTATION

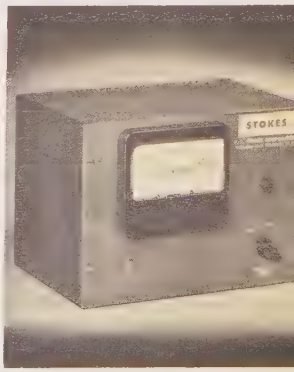


Ionization Gage

Representative of a wide range of high vacuum control equipment are Stokes Ionization Gages. They are highly stable, rugged and easy to maintain. Stokes Ionization gages provide a superior combination of all the features desired in this type equipment. They are simple to use and flexible in operation. Ionization gages are available in cabinets or on panels for rack mounting.

Cold Cathode Gage

Stokes Cold Cathode type discharge gages combine the accuracy and dependability of the ionization gage with unique design and construction features, providing a system that is exceptionally compact, rugged, economical and flexible in application. The control circuit is housed in an attractive, protective enclosure . . . of panel and chassis design.



VACUUM SINTERING FURNACES

High Temperature Heat Treat Furnaces

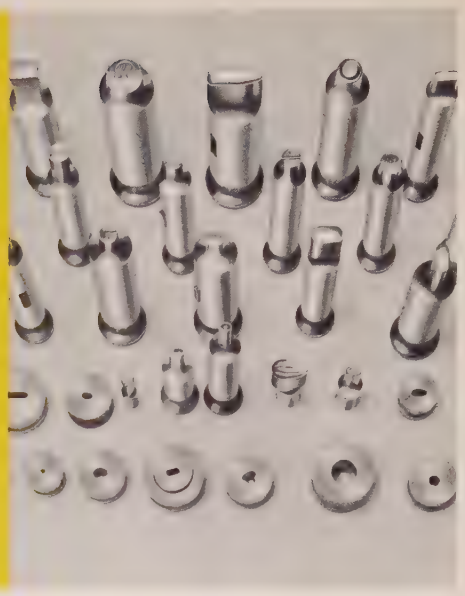
Specially applicable to the sintering of parts made from materials with very high melting temperatures is the Stokes Cold Wall vacuum heat-treating furnace. It is also ideal for degassing of components such as tungsten elements for electronic tubes. This furnace system has been designed to operate at temperatures up to 2500°C and is suitable for both experimental work and production.

HIGH VACUUM PUMPS

Microvac Pumps

Compactly designed . . . dynamically balanced . . . exceptionally quiet, Stokes Microvac pumps are delivered complete. There is never any optional equipment to buy. Pumps are stocked and available in models up to 500 cfm displacement. Stokes Diffusion pumps are designed for use with medium and large size vacuum systems where rapid cycling is desired. Available in 4-, 6-, 10- and 16-inch sizes.

PRECISION TOOLING



Punches and Dies

Stokes is the recognized leader in knowledge, design engineering, laboratory facilities and machine tools. Skilled tool and die makers staff one of the most modern punch and die facilities in this country. Stokes service plus these facilities enable delivery dates to be met—provide valuable follow-through service after the sale.

Stokes has been supplying quality products to industry for more than 65 years. During that time, we have maintained our flexibility while steadily enlarging our engineering and manufacturing facilities. The products shown on these pages are representative of the wide diversity of equipment which Stokes manufactures to meet the needs of the electronics industry. If you have a special application problem, Stokes unique-in-the-industry Engineering Advisory Service will study it with your engineers and will make recommendations based on findings.

Complete technical information on any of the units listed in this folder—or any Stokes equipment—may be obtained simply by requesting it. Just let us know your requirements. Or contact the Stokes office nearest you.

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BENDIX HAS THE ELECTRON TUBE YOU NEED

GROUP I—RECEIVING TUBES

HY-G-200®

EIA Type No.	JAN Type No.	PROTO-TYPE	BENDIX Type No.	DESCRIPTION
5838		6X5	TE-3	RECTIFIER. Full-wave
5839	5839	6X5	TE-2	RECTIFIER. Full-wave
5852	5852	6X5	TE-5	RECTIFIER. Full-wave
5992	5992	6V6	TE-8	AMPLIFIER. Beam power
5993	5993	6X4	TE-10	RECTIFIER
6106	6106	5Y3	TE-22	RECTIFIER
6385		2C51/ 5670	TE-21	MINIATURE TWIN TRIODE

HY-G-300®

(Reliable, hard glass, ceramic spacers, 300°C Bulb Temperature Rating)

6080WB		6AS7	TE-46	TWIN TRIODE
6082A		6082	TE-55	TWIN TRIODE
6094	6094	6AQ5/ 6005/ 6095	TE-18	MINIATURE AMPLIFIER
6384	6384	6AR6/ 6098	TE-27	AMPLIFIER. Beam power
6754		412A	TE-36	RECTIFIER. Full-wave
6851		5751	TE-42	MINIATURE TWIN TRIODE
6877		½ 6080	TE-48	MINIATURE TRIODE
6889		Top Cap 6384	TE-52	AMPLIFIER. Beam power
6900		5687	TE-54	MINIATURE TWIN TRIODE
7403		3D21B	TE-74	PULSE MODULATOR
	3D21 (U.S.A.F.)	3D21WA	TE-56	PULSE MODULATOR

COMPUTER TUBES

6888		7AK7	TE-40	GATE PENTODE

Many other models of Bendix gas noise source and spark gap tubes besides those shown here are available. There is also a HY-G-500® line of metal ceramic receiving tubes. For a completely up-to-date list, write THE BENDIX CORPORATION, EATONTOWN, NEW JERSEY.

West Coast Sales & Service: 117 E. Providencia Ave., Burbank, Calif.
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ELECTRON TUBE PRODUCTS

Red Bank Division

EATONTOWN, N. J.

THE Bendix CORPORATION

GROUP II—MICROWAVE TUBES

EIA Type No.	JAN Type No.	BAND	BENDIX Type No.	DESCRIPTION
2K50	2K50	K	TE-4	REFLEX KLYSTRON
6116	6116	X	TE-62	REFLEX KLYSTRON
6541		K	TE-30	REFLEX KLYSTRON
6584		C	TE-38	REFLEX KLYSTRON
		Ka	TE-37	REFLEX KLYSTRON
		Ka	TE-53	REFLEX KLYSTRON (SRV-38)
6845	6845 (US Navy)	X	TE-59	REFLEX KLYSTRON
6940		X	TE-58	REFLEX KLYSTRON
		K	TE-60	REFLEX KLYSTRON
		X	TE-61	REFLEX KLYSTRON
6584		C	TE-69	REFLEX KLYSTRON
		Ka	TE-78	REFLEX KLYSTRON
		C	TE-86	REFLEX KLYSTRON
		V	TE-67	BACKWARD-WAVE OSCILLATOR
		C	RXB-103401	TRAVELLING-WAVE TUBE AMPLIFIER
		V	TE-66	BACKWARD-WAVE OSCILLLTOR
		Q	TE-75	BACKWARD-WAVE OSCILLATOR
		E	TE-85	BACKWARD-WAVE OSCILLATOR

GROUP III—GAS AND SPECIAL TUBES

SPECIAL PURPOSE GAS TUBES

EIA Type No.	JAN Type No.	BENDIX Type No.	DESCRIPTION
5643	5643	TD-17	SUBMINIATURE XENON THYRATRON (MIL. SPEC.)
5643		TD-37	SUBMINIATURE XENON THYRATRON (COMMERCIAL SPEC)
5947		TT-2	TEMPERATURE-LIMITED DIODE
5960		TD-1	COLD CATHODE DISCHARGE
		TD-45	COLD CATHODE DISCHARGE
		TD-28	COLD CATHODE TETRODE THYRATRON
6142		TD-9A	GAS DIODE VOLTAGE REGULATOR
		TD-19	GAS DIODE VOLTAGE REGULATOR
		TD-70	TIME TOTALIZER
5787WA		TD-61	VOLTAGE REGULATOR
	5787WA	TD-63	VOLTAGE REGULATOR (MIL. SPEC.)
6542		TD-68	VOLTAGE REGULATOR
6144		TT-1	NOISE DIODE
6352		TT-29	SUBMINIATURE TEMP-LIMITED DUAL-DIODE
6361		TT-25	SINGLE CONVECTRON
5845		TT-30	MINIATURE TEMPERATURE-LIMITED DIODE

GROUP IV—GAS NOISE SOURCE TUBES

Frequency Range KMC	Band	Waveguide Number	Bendix Type Number	EIA Type Number	Mount Type	Recommended Mode of Operation	Anode Current MA	Tube Drop Volts	Tube Excess Noise Ratio DB
1.12-1.70	L	RG-69/U	TD-21	6881	90°H	D.C.	250	65	15.2
			TD-29	7101	90°H	A.C. & D.C.	250	130	18.0
2.6-3.95	S	RG-48/U	TD-12	6358	10°E	D.C.	250	80	15.2
			TD-22	6782	90°H	A.C. & D.C.	250	45	15.2
3.30-4.90	S	WR-229	TD-24	6852	10°E	A.D. & D.C.	250	65	15.2
3.95-5.85	C	RG-49/U	TD-10	6356	10°E	D.C.	250	70	15.2
5.85-8.20	X	RG-50/U	TD-10	6356	10°E	D.C.	250	70	15.2
8.20-12.40	X	RG-52/U	TD-11	6357	10°E	D.C.	200	75	15.2
			TD-23	6882	10°E	D.C.	200	115	18.0
12.4-18.00	KU	RG-91/U	TD-18	6684	10°E	D.C.	200	70	15.2
18.0-26.5	K	RG-53/U	TD-13	6359	10°E	D.C.	200	65	15.2

GROUP V—SPARK GAPS

Type No.	DC Breakdown KV	Initial Pulse Breakdown KV	Repetitive Pulse Breakdown KV	Watts Maximum Dissipation	Peak Discharge Watt-Second	Fault Surge Current Amps	Isotope Stabilization	Initial Equipment Usage	Configuration
TG-25	0.400			3	2		Yes	Safety	1
TG-26	0.75			5	2	1000	Yes	Safety	2
TG-27	1.0			5	5	1000	Yes	Safety	2
TG-30	2.0	3.0	2.7	5	14	2000	Yes	Safety	2
TG-34	5.0	8.5	5.5	5	19	3000	Yes	Safety	2
TG-37	10.0	20.0	15.0	5	22	4000	Yes	Safety	2
TG-56	20.0	23.0		7.5	30	5000	Yes	Safety	4
TG-60	50.0			7.5	50	6000	Yes	Safety	4

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When you specify Moloney . . . for transformers and other magnetic components for electronics . . . you're tapping one of the richest reservoirs of experience and technical know-how available today to the electrical industry. Since 1896 Moloney has designed and fabricated transformers and related products. Now Moloney's vast store of knowledge and engineering ability is available to the electronics industry.

Write for Magnetic Component Bulletin No. 3815 C.

PLATE TRANSFORMERS

25 cycles to 2000 cycles

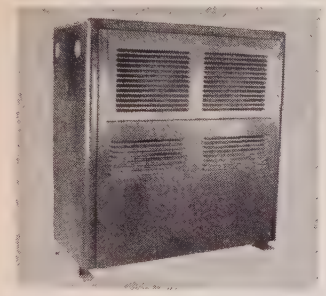
Single and polyphase for all rectifier circuits

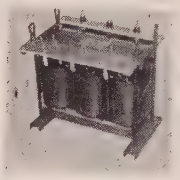
Indoor or outdoor—submerged—airborne operation

Liquid Immersed—OIL, ASKAREL
3 KVA through 10000 KVA
Voltages through 230 KV

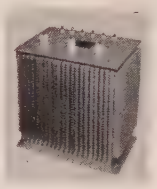
Air Cooled—Class A, B, H
1 KVA through 4000 KVA
Voltages through 15 KV

Compound Filled
1 KVA through 25 KVA
Voltages through 15 KV

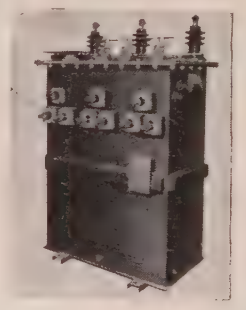




Air Cooled—
7 KVA—8 KV



Oil Immersed—
10 KVA—12 KV



Air Cooled 75 KVA—5 KV Regulated

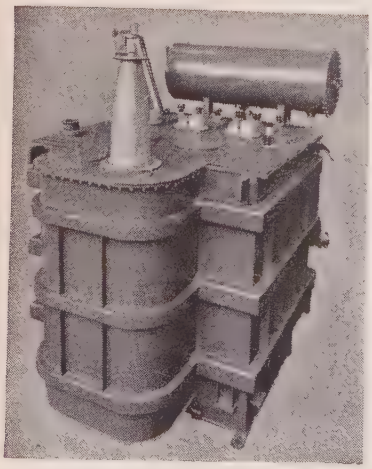
Askarel Immersed—35 KVA—15 KV

UNIT RECTIFIERS

A complete assembly consisting of:
Plate Transformer • Filament Transformer (if required)
Filter Reactor and/or Capacitor
Tube or Semiconductor Rectifiers

Liquid Immersed—Oil or Askarel
Output Power—2 KW through 10000 KW
Output Voltage—1 KV through 120 KV

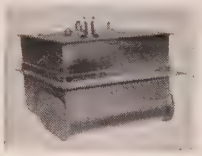
Air Cooled
Output Power—1 KW through 4000 KW
Output Voltage—600 volts through 15 KV



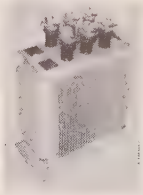
Oil Immersed—775 KW—110 KV

Askarel Immersed—
5 KW—10 KV

Oil Immersed—Silicon
Rectifiers—2 KW—15 KV

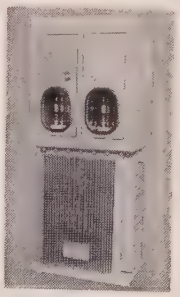


Oil Immersed—Selenium
Rectifiers—10 KW—12 KV



Oil Immersed—
17 KW—16 KV

Oil Immersed—
12 KW—13 KV

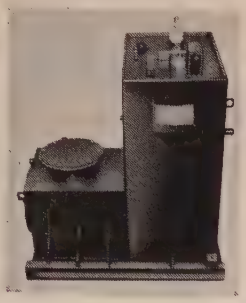


Askarel Immersed—
37 KW—17 KV

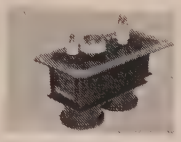
PULSE TRANSFORMERS

LIQUID IMMERSED

Average Power 0.5 KW through 2500 KW
Pulse Voltage Output 15KV and above

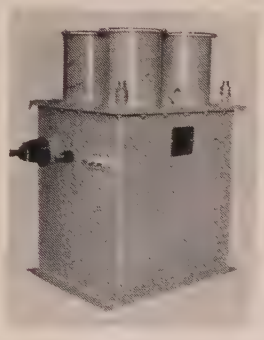


25 KW average
100 KV peak

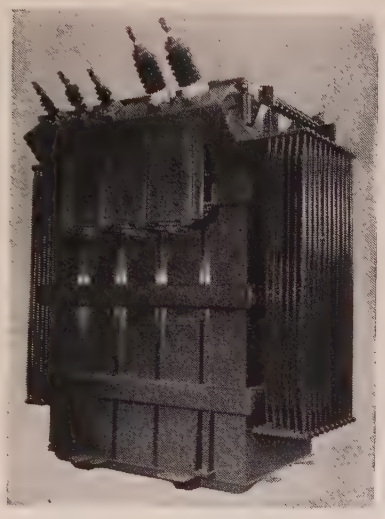


2 KW average
30 KV peak

20 KW average
60 KV peak



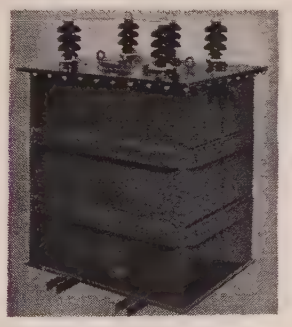
45 KW average 90 KV peak



2500 KW average 50 KV peak

MODULATION TRANSFORMERS and REACTORS

For Amplitude Modulated Transmitters with Radio Frequency Outputs of 1 Kilowatt and Above



Oil Immersed Transformer—25 KW

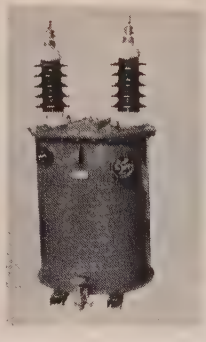
Compound Filled Reactor—1 KW

Askarel Immersed Reactor—10 KW

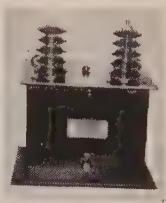
CHARGING REACTORS

LIQUID IMMERSED

Peak LI^2 from 1 to 100,000—4 KV to 140 KV



2.0 hy.—3.5 amp—50 KV Test



1.0 hy.—1.0 amp
—50 KV Test

1.5 hy.—4 amp—
34 KV Test

FILAMENT TRANSFORMERS

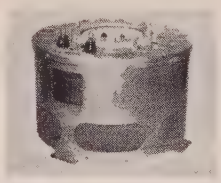
DRY TYPE AND COMPOUND FILLED

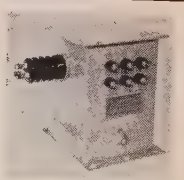
Output 0.5 KVA through 25 KVA High
Potential Test 4 KV through 31 KV

LIQUID IMMERSED—OIL OR ASKAREL

Output 0.15 KVA through 25 KVA High
Potential Test 10 KV through 140 KV

Air Cooled—7 volts—1000 amps





Askarel Immersed—300 VA—35 KV Test

FILTER REACTORS

Liquid Immersed—OIL or ASKAREL

LI^2 from 10 through 50000
Hi Potential Test 10 KV through 140 KV

Air Cooled or Compound Filled

LI^2 from 1 through 5000
Hi Potential Test 4 KV through 31 KV

Air Cooled—
LI^2 25—19 KV Test

Oil Immersed—
LI^2 40—34 KV Test

HYPERCORES

For smaller, lighter weight magnetic components, use Moloney HyperCores

Write for
HYPERCORE BULLETIN
No. 3850 C

1 Mil

2 Mil

4 Mil

12 Mil

MOLONEY ELECTRIC COMPANY

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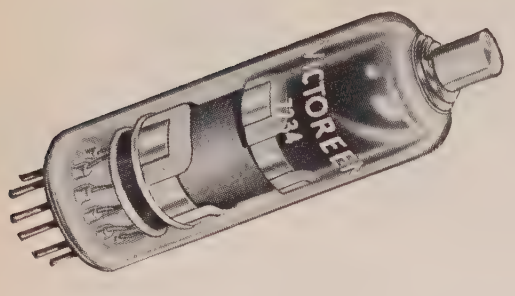
THE VICTOREEN INSTRUMENT COMPANY

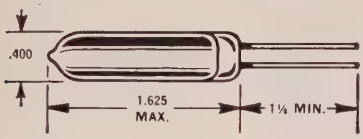
5806 HOUGH AVENUE • CLEVELAND 3, OHIO

HIGH VOLTAGE PENTODES



CHARACTERISTICS	7234 PENTODE	6842 PENTODE	7683 PENTODE
E_f	6.3 V	6.3 V	6.3 V
I_f	150 ma	150 ma	150 ma
E_b MAX	10,000 V	4,000 V	1,000 V
I_p MAX	5 ma	10 ma	20 ma
G_m	3800	2500	5000
R_p	1 Megohm	930 Kohm	30 Kohm
SIZE	T-6½	T-5½	T-6½

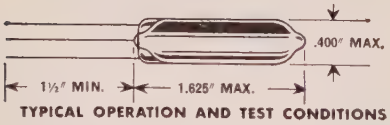
GLOW TYPE VOLTAGE REGULATORS



	VR-57	VXR-130
DC Starting V	75 V	180
DC Operating V	57 V	130
Max Regulator I	800 μa	2.5 ma
Min Regulator I	200 μa	1 ma
Regulation	3%	1.5%

ELECTROMETER TRIODE

VX-55



TYPICAL OPERATION AND TEST CONDITIONS

E_f	1.25	Volts	I_p	95	μa
I_f	10.0	ma	G_m	110	μmho
E_p	7.5	Volts	I_g	5×10^{-14}	amp
E_g	−2.2	Volts	M_u	2.1	

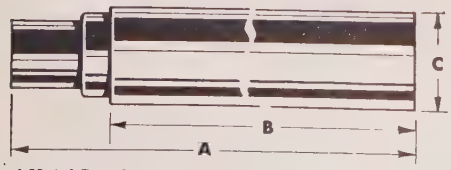
ELECTROMETER TETRODE

5800/VX-41A

AS A TETRODE ELECTROMETER

Plate Voltage	+4.5	Volts	Transconductance	15	μmhos
Accelerator Grid Voltage (g_1)	+3.4	Volts	Plate Current	12	μa
Control Grid Voltage (g_2)	−3	Volts	Accelerator Grid Current	300	μa
Amplification Factor	1		Control Grid Current	10^{-15}	Amp

CORONA TYPE VOLTAGE REGULATORS



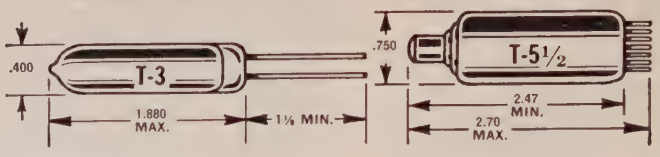
Commonly Used Metal Regulators*

TYPE	VOLTAGE RANGE	TOLERANCE	NOM. TEST POINT	CURRENT MAX.	CURRENT MIN.	REGULATION 100-1000μa	DIMENSIONS A	B	C
M105B	6 KV-10 KV	±500V	500μa	1000μa	50μa	7½%	6 5/32	5	1¼
M105	10 KV-20 KV	±500V	500μa	1000μa	100μa	10%	6 5/32	5	1¼
M108	10 KV-20 KV	±500V	500μa	1000μa	100μa	7%	9 5/32	8	1¼
M126	20 KV-25 KV	±500V	500μa	1000μa	100μa	10%	7 5/32	6	1½
M128	20 KV-27 KV	±500V	500μa	1000μa	100μa	7%	9 5/32	8	1½

CORONA TYPE VOLTAGE REGULATORS

R. E. T. M. A. Types

TYPE	NOM.	TOLERANCE	NOM. TEST PT	CURRENT IN μa MIN.	MAX.	PEAK	REGULATION VOLTS	CURRENT RANGE
5950	700V	± 15V	25μa	5	100	150	14V	5-100μa
5841	900V	± 18V	25μa	5	100	150	18V	5-100μa
6143	1200V	± 24V	25μa	10	100	150	24V	5-100μa
6119	2000V	±100V	25μa	15	100	150	40V	5-100μa

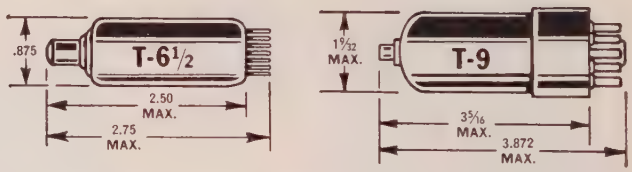


Commonly Used Models in T-3 Size*

TYPE	NOM. TEST PT.	TOLERANCE	NOM.	CURRENT IN μa MIN	MAX.	PEAK	REGULATION VOLTS	CURRENT RANGE
GV3B-400	50μa	±10V	400V	5	150	300	15V	5-150μa
GV3B-600	50μa	±10V	600V	5	150	300	20V	5-150μa
GV3A-900	50μa	±15V	900V	10	250	350	25V	10-250μa
GV3A-1200	50μa	±30V	1200V	10	250	400	40V	10-250μa
GV3A-1500	50μa	±30V	1500V	15	300	500	50V	15-300μa
GV3A-2000	50μa	±50V	2000V	15	300	500	75V	15-300μa

Commonly Used Models in T-5½ Size*

TYPE	NOM.	TOLERANCE	NOM. TEST PT.	CURRENT IN μa MIN.	MAX.	PEAK	REGULATION VOLTS	CURRENT RANGE
GV5B-700	700V	±20V	100μa	10	250	350	25V	10-250μa
GV5B-900	900V	±25V	100μa	10	300	500	30V	10-300μa
GV5B-1000	1000V	±30V	100μa	10	300	500	35V	10-300μa
GV5A-1200	1200V	±36V	100μa	10	400	600	40V	10-400μa
GV5A-2200	2200V	±65V	100μa	20	800	1000	50V	20-800μa
GV5A-3000	3000V	±90V	100μa	30	1000	1200	75V	30-1000μa



Commonly Used Models in T-6½ Size

TYPE	NOM. VOLTAGE	TOLERANCE	NOM. TEST PT	CURRENT IN μa MIN	MAX	PEAK	REGULATION**
GV6A-450	450	±11V	500μa	20	1000	1300	30V
GV6A-1000	1000	±25V	500μa	30	1000	1500	42V
GV6A-2500	2500	±65V	500μa	50	1500	3500	100V
GV6A-3000	3000	±75V	500μa	50	1000	3500	70V

**This regulation is the change in voltage over the useful range of current from MIN. to MAX.

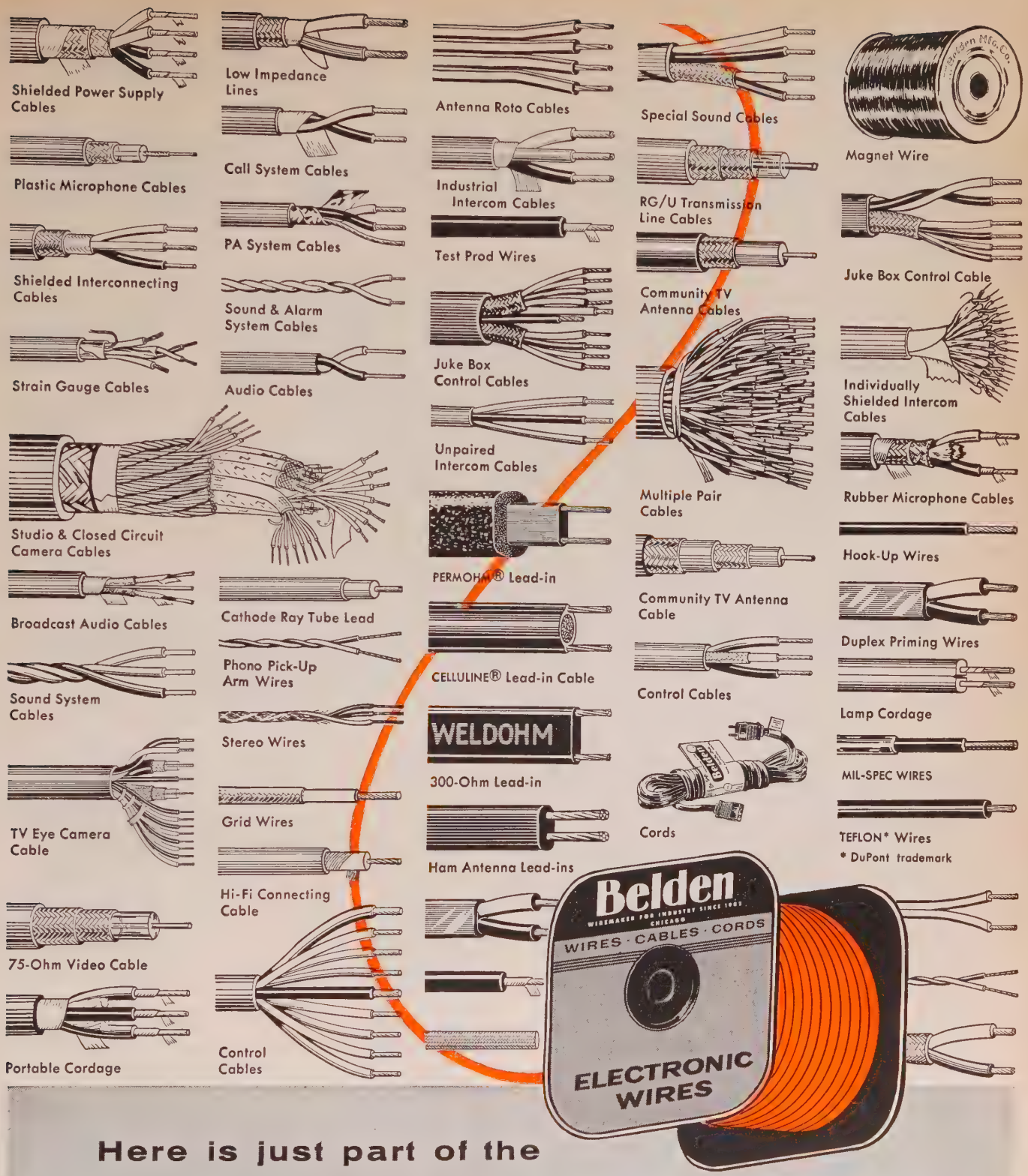
Commonly Used Models in T-9 Size

TYPE	NOM. VOLTAGE	TOLERANCE	NOM. TEST PT	CURRENT IN μa MIN	MAX	PEAK	REGULATION**
GV9A-600	600	±15V	1000μa	50	1500	2000	25V
GV9A-1000	1000	±25V	1000μa	50	1750	2200	45V
GV9A-2000	2000	±50V	1000μa	50	3500	4200	80V
GV9A-3000	3000	±75V	1000μa	50	2700	7000	110V

**This regulation is the change in voltage over the useful range of current from MIN. to MAX.

*T-3 size voltage regulators are available in any desired nominal voltage ±2% from 400 volts to 2000 volts at the customary test point of 50 ua. T-5½ size voltage regulators are available in any desired nominal voltage ±3% from 400 volts to 6000 volts at the nominal test point at 100 ua. Metal regulators are available in any desired voltage ±500 volts from 7½ KV. to 27½ KV. at the customary test point of 500 ua. All other characteristics such as maximum and minimum currents, regulation, etc., may be interpolated from the table.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



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8-3-9

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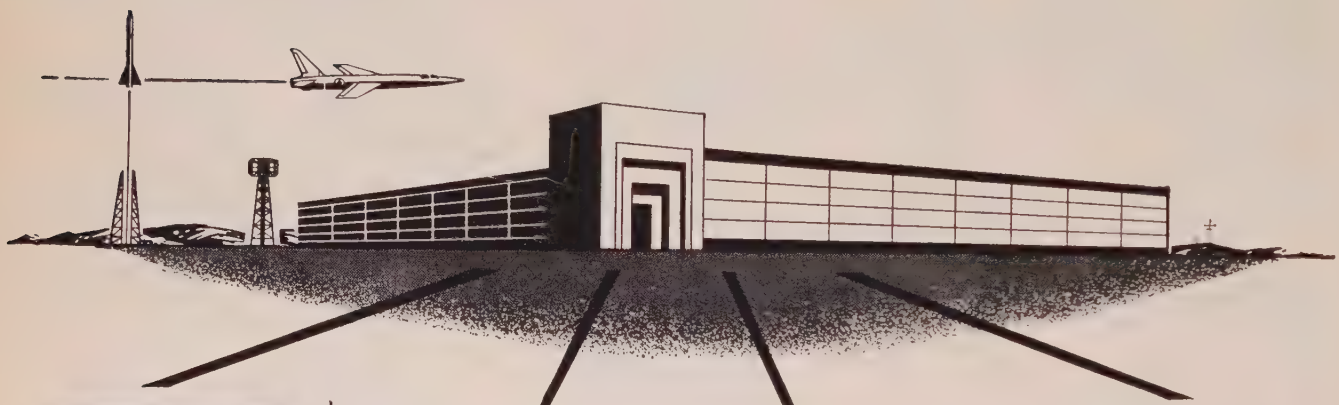

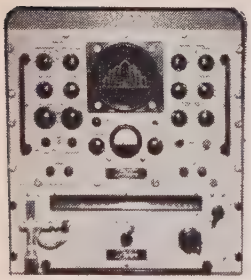

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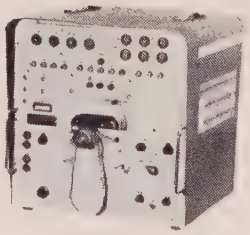

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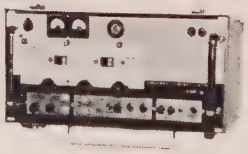

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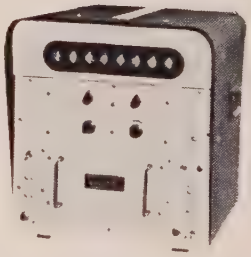

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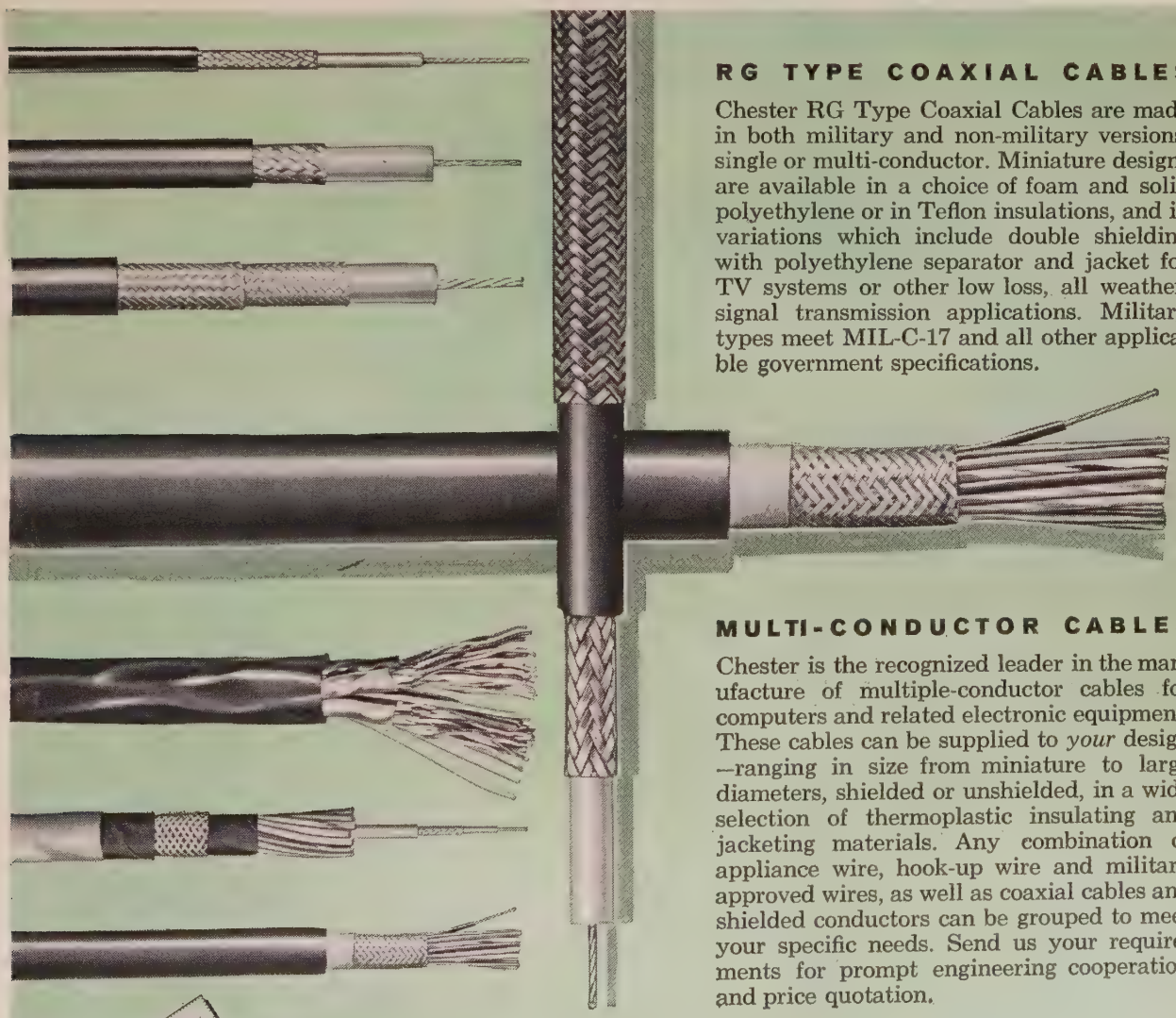

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MIL-W-3861 Tinned Copper
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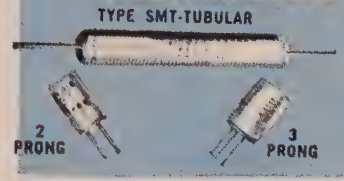

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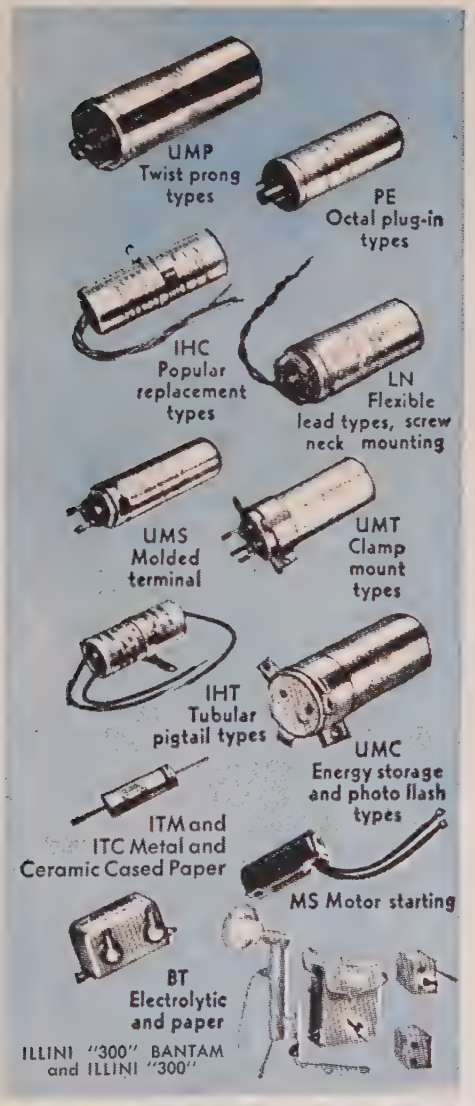

TYPE UMP — Standardized twist-prong type. Patented molded terminal construction for efficient, stable operation under extreme temperature ranges. Capacity ranges from 10 to 3,000 MFD and from 6 to 525 WVDC.

TYPE PE — Hermetically sealed plug-in octal base type. Especially useful in fixed or mobile communications equipment. Operating temperature range −40°C to +85°C. Available in wide ranges of capacities and voltages.

TYPE IHC — Popular multiple section types with flexible leads, insulating sleeves and mounting straps. Equally adaptable for original equipment or replacement purposes. Available in capacities from 10 to 250 MFD at 25 to 500 WVDC.

TYPE LN — Extruded aluminum can type with screw neck mounting and flexible leads. Capacity ranges from 8 to 80 MFD and from 450 to 600 WVDC.

TYPE UMS — Hermetically sealed inverted can type with screw neck mounting and molded-in terminals. Wide ranges of capacities and voltage ratings. Meets all government specs.

TYPE UMT — Inverted can type with clamp mounting. Hermetically sealed, shock resistant with new molded terminal construction. Ideal for use in highest quality equipment. Meets all government specs. Wide capacity and voltage ranges.

TYPE IHT — Popular tubular aluminum can, pigtail type electrolytic. Internal riveted construction. In capacity ranges of 1 to 2000 MFD and from 6 to 600 WVDC. Also available with solder lug terminals. Supplied with insulating sleeves.

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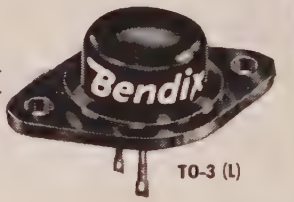
MAXIMUM RATINGS AND TYPICAL OPERATION OF BENDIX* GERMANIUM PNP TRANSISTORS

TYPE NUMBER	PRIMARY APPLICATIONS				MAXIMUM RATINGS					TYPICAL OPERATION		CASE TYPE
	Audio	Push-Pull	Switch	Power Supply	Collector Voltage Vce (a)	Collector Current Ic	Collector Dissipation Pc	Thermal Resistance	Junction Temp. Tj	Current Gain hFE —	Current Gain Ic Adc	
High Power Transistors												
2N176	X				40 Vcb	3 Adc	25 W	—	90°C	45 (c)	0.5	TO-3 (P)
2N234A	X				30	3	25	2° C/W	90°C	25 (c)	0.5	TO-3 (P)
2N235A, B	X				40	3	25	2	90	40, 60 (c)	0.5	TO-3 (P)
2N236A, B	X			X	40	3	25	2	95	40, 60 (c)	0.75	TO-3 (P)
2N242	X				45 Vcb	2	25	3	100	—	—	TO-3 (P)
2N255	X	X			15 Vcb	3	25	3	85	40	0.5	TO-3 (P)
2N256	X	X			30 Vcb	3	25	3	85	40	0.5	TO-3 (P)
2N285A	X			X	40	3	25	2	95	150 (c)	0.5	TO-3 (P)
2N307, A	X				35 Vcb	1, 2	10, 17	5, 3	75	80	0.2	TO-3 (P)
2N399	X	X			40	3	25	2	90	40 (c)	0.75	TO-3 (P)
2N401	X	X			40	3	25	2	90	40 (c)	0.5	TO-3 (P)
2N418			X	X	80	5	25	2	100	50	4.0	TO-3 (P)
2N420, A			X	X	40, 70	5	25	2	100	50	4.0	TO-3 (P)
2N637, A, B	X		X	X	40, 70, 80	5	25	2	100	45	3.0	TO-3 (P)
2N638, A, B	X		X	X	40, 70, 80	5	25	2	100	30	3.0	TO-3 (P)
2N639, A, B	X		X	X	40, 70, 80	5	25	2	100	23	3.0	TO-3 (P)
2N677, A, B, C	X		X	X	30, 40, 70, 80	25 (b)	50	1.5	100	40	10.0	TO-3 (P)
2N678, A, B, C	X		X	X	30, 40, 70, 80	25 (b)	50	1.5	100	75	10.0	TO-3 (P)
2N1031, A, B, C	X		X	X	30, 40, 70, 80	25 (b)	50	1.5	100	40	10.0	TO-3 (L)
2N1032, A, B, C	X		X	X	30, 40, 70, 80	25 (b)	50	1.5	100	75	10.0	TO-3 (L)
2N1073, A, B (d)	X		X		40, 80, 120	10	35	2.0	100	40	5.0	TO-3 (L)
2N1136, A, B	X		X	X	40, 70, 80	6	37	2.0	100	75	3.0	TO-3 (P)
2N1137, A, B	X		X	X	40, 70, 80	6	37	2.0	100	115	3.0	TO-3 (P)
2N1138, A, B	X		X	X	40, 70, 80	6	37	2.0	100	150	3.0	TO-3 (P)
B-177	X			X	30	3	25	2.2	90	150 (c)	0.5	TO-3 (P)
B-178	X				30	3	25	2.2	90	40 (c)	0.5	TO-3 (P)
B-179	X				40	3	25	2.2	90	25 (c)	0.5	TO-3 (P)
B-1017	X				20	3	25	2	85	25 (c)	0.5	TO-3 (P)
Medium Power Transistors												
2N1008, A, B	X	X	X		20, 40, 60	300mA	400mW	0.15°C/mW	85	95 (c)	10mA	TO-9
2N1176, A, B	X		X		15, 40, 60	300mA	300mW	0.20°C/mW	85	70 (c)	10mA	TO-9
Military Types												
2N297A	X		X	X	50	5	35W	2.0	95	70	0.5	TO-3 (P)
2N331	X		X		30 Vcb	200mA	200mW	0.15°C/mW	85	50 (c)	1.0mA	TO-9
2N1011	X		X	X	70	5	35W	2.0	95	55	3.0	TO-3 (P)
2N1120	X		X	X	70	15	45W	1.5	95	35	10.0	TO-3 (L)

(a) Vce except where noted. Equivalent Vcb's are 20-50% higher. (b) Peak collector current. (c) hfe, AC current gain.
(d) Diffused—Alloy—Power DAP transistor.

TO-3 (P)



TO-3 (L)

TO-9

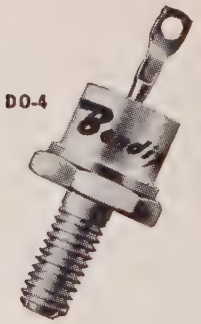
MAXIMUM RATINGS OF BENDIX* SILICON RECTIFIERS

Commercial Types

Type Number	Io Adc	PRV Vdc	LIb @150°C	Case Type
1N1612	5	50	1 mAdc	DO-4
1N1613	5	100	1 mAdc	DO-4
1N1614	5	200	1 mAdc	DO-4
1N1615	5	400	1 mAdc	DO-4
1N1616	5	600	1 mAdc	DO-4

Military Types

Type Number	MIL-E-	Io @150°C	PRV Vdc	LIb @25°C	Epp	LIb @150°C	Case Type
1N1614	1/1240	5 Adc	200	50 μAdc	140	750 μAdc	DO-4
1N1615	1/1241	5 Adc	400	50 μAdc	280	750 μAdc	DO-4
1N1616	1/1242	5 Adc	600	50 μAdc	420	750 μAdc	DO-4



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YOUR BORG DISTRIBUTOR IS READY TO GIVE YOU FAST DELIVERY OF ANY BORG PRECISION COMPONENT

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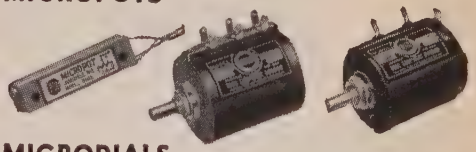

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GDI's New Super-SHX Micro-modular Four Pole PAM ELECTROCOM generates IRIG standard 30 channel PAM signals with a packing density of 5.22 channels per cubic inch overall. Complete with power conversion equipment it occupies a space of 3.25" x 2.44" x 2.66". GDI offers a complete line of standard and custom commutators and multicoders for PAM and PDM Telemetry. Detailed technical information available upon request.

General Devices, Inc., founded in 1953, has grown steadily to meet the demand for telemetry components and systems. The Company is developing its expanded holdings on U.S. Route 1 to include the Advanced Instrumentation Center illustrated. This Center, on the Main Street of "Research Community, U.S.A.," midway between New York and Philadelphia, provides the perfect environment for its highly creative work. In addition to its expanding production of PAM, PDM, FM and PCM telemetry systems, the Center will explore such areas as the application of thermoelectric devices to instrumentation problems. A subsidiary company, General Thermoelectric Corporation, jointly owned with Needco of America, will be housed in the new Center.

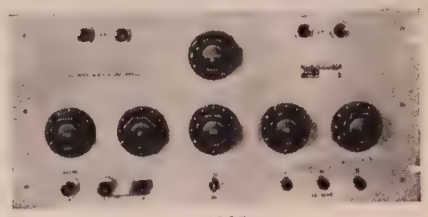
GDI MICROCOM switches and completely static ELECTROCOM switches are industry leaders for performance and reliability with a minimum weight and volume. GDI Pulse Code Systems offer new dimensions in the art of telemetry. Inquiries from engineers having need for advanced switching, data acquisition and telemetry systems are invited. Prompt attention to your inquiries will be given by GDI's qualified Applications Engineers. Write, call or TWX J. L. Malony, General Sales and Marketing Manager.

GENERAL DEVICES, INC.
PRINCETON, NEW JERSEY

DAVIS 9-2323 OR WALNUT 4-2500
TWX: MONMOUTH JUNCTION 271X

PRECISION INSTRUMENTS FOR MEASUREMENT & CALIBRATION

GUARDED WHEATSTONE BRIDGE

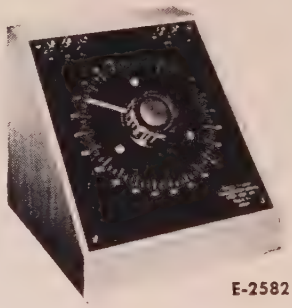


R-1105

RANGE 1 TO 1,111 MEG-OHMS
ACCURACY, 1 OHM TO 1 MEG-OHM ± (.025% + .001 OHM)
1 MEG, TO 100 MEGS ± .05%
100 MEGS TO 1000 MEGS ± .5%
RACK AND BOX MOUNTED MODELS

OTHER LABORATORY & PORTABLE BRIDGES
KELVIN BRIDGES MUELLER BRIDGE

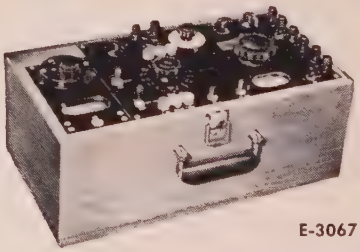
SYNCHRO & RESOLVER BRIDGES



E-2582

ACCURACY 11 SEC.
MODELS IN 2½°, 5°
10° & 15° INTERVALS
ONE ROTARY SWITCH
GIVES ALL POSITIONS
RACK MOUNTED
MODELS AVAILABLE

LABORATORY & PORTABLE POTENTIOMETERS



E-3067

PORTABLE POTENTIOMETER WITH
LABORATORY ACCURACY
RANGES IN MILLIVOLTS OR DEGREES

VOLTAGE DIVIDERS
SHUNTS & SHUNT BOXES
RESISTANCE STANDARDS
SPECIAL INSTRUMENTS

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GRAY INSTRUMENT COMPANY 448 MILL ROAD ANDALUSIA PA.

Communication Accessories Company

Reliability

in Components

precision delivery quality

a Sub-miniature Toroids

Uncased, plastic encapsulated, hermetically sealed. Inductances from .05 to 3000 mh. For sub-audio to 5 MC applications. Many values from stock. Also custom designs to your specific applications.

b Standard Toroids

A wide variety of inductance values, Q's and permeabilities to fulfill your requirements. Advanced winding techniques assure the finest performance obtainable. Many types and values available from stock.

c Power Transformers—Laminated Transformers—Reactors—Foil Wound Transformers

Many types designed to MIL-T-27A. High quality commercial specifications, hermetically sealed or encapsulated. Custom designed to circuit and mechanical requirements.

d Low Pass—Band Pass—Telegraph—Aircraft Navigation Filters and Delay Lines

L-C filters utilizing high Q toroidal inductors. C-A-C's years of experience in the design and manufacture of tight tolerance networks results in superior performance and reliability. C-A-C engineers welcome your inquiries.

e Magnetic Amplifiers

C-A-C specializes in development of magnetic amplifiers for specific applications—in conjunction with servo-motors, computers—both low and high level.

f Plastic Packaged Inductors

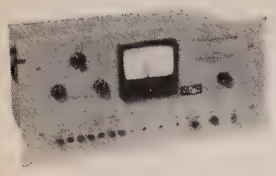
As a pioneer in the plastic packaging of inductors, C-A-C has developed practical techniques assuring high performance in the smallest physical size. For printed wiring and chassis-mounted applications.

COMMUNICATION ACCESSORIES COMPANY
Lee's Summit, Mo. Phone Kansas City BRoadway 1-1700

✓Service
✓Quality
✓Performance

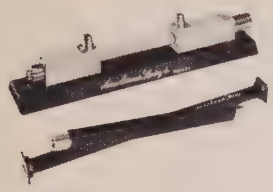
PRECISION ELECTRONIC EQUIPMENT

Receiver and Microwave Test Equipment



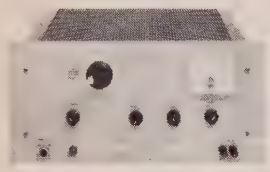
AUTOMATIC NOISE FIGURE INDICATOR—Type 74

- Noise figure ranges 0 to 25 ±0.5 db 23 to 36 ±1.0 db
- 30, 60 Mc or continuous tuning of IF over 40 to 180 Mc range
- RF range 12 Mc to 40 Kmc
- Recorder outputs for NF and AGC



BROAD BAND NOISE GENERATORS—Type 70

- For automatic and manual noise figure measurements
- 12 models from 0 to 40 Kmc
- Relative excess noise temperature 15.3 ±0.25 db
- Hot-Cold Body Standard Noise Generator provides relative excess noise output 6.85 ±0.08 db over 0 to 2 Kmc range

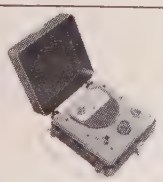


PRECISION TEST RECEIVER Type 132

- 30 and 60 Mc Standard Frequencies
- Noise figure 1.6 db at 30 Mc; 2.4 db at 60 Mc
- Includes Type 30 precision attenuator
- Measures noise figure and selectivity
- Calibrates R-F attenuators and couplers

PRECISION I-F ATTENUATOR—Type 30

- 30 or 60 Mc standard frequencies
- Continuously variable over 80 db range
- Accuracy .005 db per db, maximum error 0.2 db



CRYSTAL TEST SETS

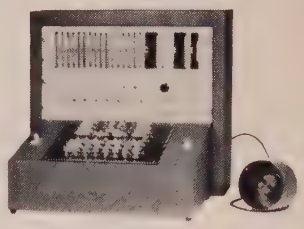
Type 390-A-3 (Microwave) illustrated
Type 391 (Microwave biased/unbiased)
Type 393 (video)

Tests crystals in the field or lab for

- Relative noise figure
- Pair-matching
- Conversion loss
- Relative sensitivity
- Tangential sensitivity

Special Purpose Test Equipment

- Tests audio, video and computer circuits by the "extreme values" technique
- Circuits may be tested for all anticipated low and high values for as many as 16 parameters
- Up to 6000 tests per minute
- Digital readout permits determination of circuit combinations which produce unacceptable performance

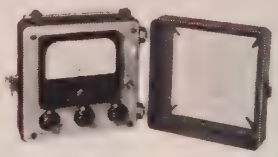


CIRCUIT DESIGN RELIABILITY TESTER—Type 90

- One unit produces sine waves, square waves and pulses
- Portable, lightweight
- Battery powered
- Continuously variable amplitude and pulse width
- Frequency range: continuously variable from 30 to 36.000 cps

FUNCTION GENERATOR—Type 120

- Full-scale ranges 1.0 and 10 mw; ±5%
- R-F coverage 10 to 40,000 Mc
- Portable—battery powered



TRANSISTORIZED R-F POWER BRIDGE—Type 50

Special Items

LOW NOISE RECEIVING SYSTEMS

- Reactance Amplifiers • Masers

SEMICONDUCTOR DICE SORTER

TRANSISTORIZED RADAR PERFORMANCE MONITOR

Measures one or more of the following:

- Noise figure • Checks mixer crystals
- Transmitted power • Reflected power

Antenna Test Equipment

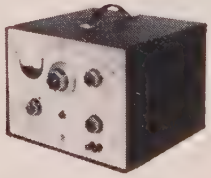
POLAR PATTERN RECORDING SYSTEM
Type 116R

- Sensitivities: 1, 10 and 100 microvolts
- 500 to 2000 cps response: 35 cps bandwidth
- Pen response 15 inches per second
- Turntable response to 7 RPM: ¼° accuracy

All specifications subject to change without notice.

WIDE RANGE POWER OSCILLATOR
Type 124C

- Covers 200 to 2500 Mc in 3 bands
- Nominally 30 watts output
- Internal and external modulation



FREQUENCY STABILITY TEST SET
Type 392B

- Checks L and S band Stalo's
- Indicates stability to 1 part in 10^9
- Indicates drift and jitter rate

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SWEEP SIGNAL SOURCE

- Frequency Range: 8200 to 12400 Mc.
- Power Output: Adjustable 0 to 10 MW min.
- Sweep Rate: Linear with time —300 Mc to 300 K Mc.
- Sweep Range: Continuously adjustable 0-4.2 K Mc.
- Direct reading dial settings for upper & lower frequencies.
- Modulation: Square wave 800 to 1200 cps.
- Provisions for A.G.C.

775

FXR DESIGN and MANUFACTURE

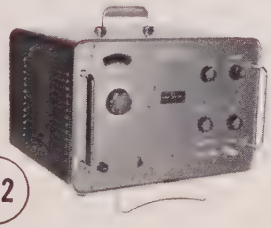
All FXR products, whether standard or custom, are designed and manufactured under one roof. This integration of the theoretical and tangible is a primary reason for FXR's preeminent position in the microwave field.

Microwave Electronic Instrumentation

FXR, Inc.

SIGNAL SOURCES

- Model L771B: 950 to 2000 MC.
- Model S771B: 1900 to 4000 MC.
- Model C772A: 3950 to 8200 MC.
- Model X772A: 7000 to 11,000 MC.
- Power Output: 10-100 MW CW, MAX into matched load. Variable through level-set attenuator.
- Modulation: pulse, square wave both internal and external.

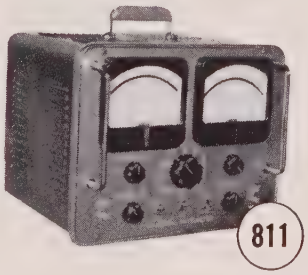


772

UNIVERSAL RATIOMETER

RATIO METER AND STANDING WAVE AMPLIFIER IN ONE COMPACT PACKAGE

- Two-cycle Precision Logmeter VSWR reflectometer readings of 1.02 to on only two scales.
- VSWR, DB and reflection coefficient scales eliminate conversion tables.
- Full 70 DB standing wave amplifier operation, expanded VSWR scales.
- Crystal and bolometer operation.



811

STANDING WAVE AMPLIFIER

- A 5-inch removable meter with 1% linearity provides high resolution and accuracy.
- A filter, tunable between 950 and 1050 CPS, aligns instrument with output frequency of signal source.
- Range: 70 DB in six decade steps. Normal and expanded scales for VSWR and DB.
- Gain automatically maintained when switching from normal to expanded scales.
- Detectors: crystal or bolometer.
- Full scale sensitivity, 0.1 μV: signal-to-noise ratio, 3:1.

812

TEMPERATURE COMPENSATED POWER METER

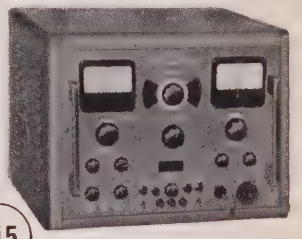
- Power Range, full Scale.
  —20 DBM or 0.010 MW.
  —15 DBM or 0.030 MW.
  —10 DBM or 0.10 MW.
  — 5 DBM or 0.30 MW.
  0 DBM or 1.00 MW.
  + 5 DBM or 3.00 MW.
- Maximum possible accumulative error ±3%.
- FXR Series 218 Temperature Compensated Thermistor Head a required accessory.

Note: Also available is the B832T, a battery powered transistorized power meter, with similar specifications.

831

UNIVERSAL KLYSTRON POWER SUPPLY

- Beam: 200 to 2000 V at 0 to 125 MA, 1800 to 3600 V, 100 MA, 250 W MAX.
- Control Grid: Pos. 0 to 150 V, Neg. 0 to 300 V.
- Reflector: 0 to 1000 V.
- Regulation: 0.01%.
- Ripple: 1 MV, RMS, MAX.
- Internal Modulation: pulse, sawtooth, square wave, sinewave.



815

UNIVERSAL MICROWAVE POWER SUPPLY

- Helix (beam): 0 to 1800 V, 0 to 100 MA; 1700 to 2500 V, 0 to 100 MA; 2500 to 3500 V, 250 W MAX.
- *Grid 1: 0-300 V DC, 0 to 5 MA.
- *Grid 2 (reflector): 0-1200 V DC, 0 to 1 MA.
- *Grid 3 (focusing electrode): 0 to 750 V DC, 0-1 MA.
- *Grid 4 (focusing electrode): 0 to 500 V DC, 0-1 MA.
- Collector: 0-300 V DC, 0-100 MA.
- *Anode: 0-600 V DC, 0-60 MA.
- Filament: 0-15 V DC, 0-3 AMP at 20 W MAX.
- Regulation: 0.005% Ripple: 3 MV.

**May be internally modulated: pulse, sawtooth, square wave, sinewave.*

817

KLYSTRON POWER SUPPLY

- Beam: 300-1000 V at 85 MA. Grid: —300 to —150 V at 0 to 5 MA. Built-in limiting resistor.
- Reflector: 0-900 V at 10-20 μA.
- Regulation: 1%.
- Internal Modulation: pulse, sawtooth, square wave.

819

FXR, Inc.

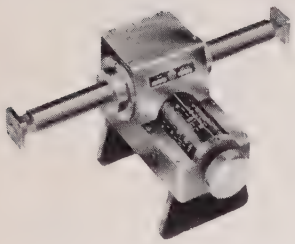
25-26 50th STREET
WOODSIDE 77, NEW YORK

WR-2100 Components

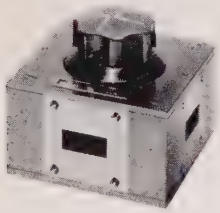
DESIGNED FOR OPERATION OVER THE FULL WAVEGUIDE BANDWIDTH FROM 350 TO 530 MC

WR 975 components also available. Frequency range 750 to 1120 MC.

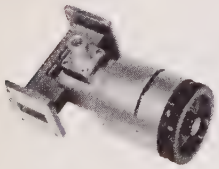
Wave Guide Test Equipment



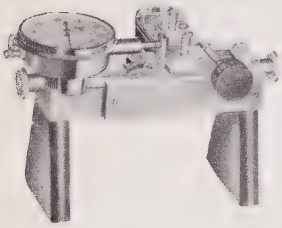
164 DIRECT READING PRECISION VARIABLE ATTENUATORS



641 WAVE GUIDE SWITCHES



410 DIRECT READING FREQUENCY METERS



03 PRECISION SLOTTED SECTIONS

FXR SERIES PREFIX	J		L		R		S		H	
WAVEGUIDE SIZE IN INCHES (I.D.)	21.00x10.50		6½x3¼		4.410x2.310		3x1½		2x1	
FREQUENCY RANGE IN KMC/SEC	0.35-0.53		1.12-1.70		1.70-2.60		2.60-3.95		3.95-5.85	
SLOTTED SECTIONS										
Fixed W.C.	J104A	$2350	L101A	$950	R101A	$1340	S101A	$445	H101A	$385
Interchangeable W.C.									H115A	$110
ATTENUATORS										
Flap			L150B	$170	R150B	$225	S151A	$100	H151A	$ 95
Semiprecision							S155A	$170	H155A	$170
Precision Calibrated			L160B	$575	R160B	$500				
Precision Direct Reading							S164A	$595	H164A	$500
Fixed			L168A-E	$215					(Models A-3DB, B-6DB,	
Fixed Precision							S175A	$365	H175A	$240
40DB Step										
FERRITE ISOLATORS									H157A	$270
CRYSTAL DETECTOR MOUNTS										
Tuneable										
Fixed										
MATCHED BOLOMETER MOUNTS							S207A	$145	H207A	$140
THERMISTOR MOUNTS			L216A	$225	R216A	$250	S216A	$120	H215A	$ 94
THERMISTOR HEADS TEMPERATURE COMPENSATED			L218A	$350	R218A	$350	S218A	$225	H218A	$180
TUNERS										
Slide screw			L310A	$250	R310A	$325	S311A	$150	H311A	$140
E/H							S312A	$270	H312A	$210
PRECISION PHASE SHIFTERS										
DIRECT READING FREQUENCY METERS										
Precision										
Reaction									H410B	$250
Reaction, micrometer										
Transmission										
TERMINATIONS										
Fixed	J501A	$750	L501A	$210	R501A	$180	S501B	$ 44	H501B	$ 34
Sliding			L502A	$350			S502A	$ 95	H502A	$ 70
High power										
STANDARD MISMATCHES										
VSWR 1.00							S510A	$500	H510A	$420
VSWR 1.05							S510B	$350	H510B	$310
VSWR 1.10							S510C	$290	H510C	$250
VSWR 1.20							S510D	$250	H510D	$210
VSWR 1.50							S510E	$350	H510E	$310
WAVEGUIDE-TO-COAX ADAPTERS	J600BN J600B	$200 $170	L600B	$170	R601B	$225	S601B	$ 50	H601B	$ 40
DIRECTIONAL COUPLERS										
Multihole							S610AD	$370	H610A-D	$240
Crossguide			L612E	$300	R612E	$250	S612D	$140	H612D	$120
WAVEGUIDE TEES										
Series			L620A	$175	R620A	$175	S620A	$ 90	H620A	$ 80
Shunt			L621A	$175	R621A	$175	S621A	$ 90	H621A	$ 80
Hybrid			L622A	$220	R622A	$220	S622A	$110	H622A	$ 95
WAVEGUIDE BENDS										
90° E-plane	J623B	$420	L623B	$125	R623B	$150	S623B	$ 90	H623B	$ 65
90° H-plane	J624B	$420	L624B	$125			S624B	$ 90	H624B	$ 65
WAVEGUIDE 90° TWISTS							S625A	$175	H625A	$125
PRECISION SLIDING SHORTS			L630A	$275			S630A	$175	H630A	$165
STRAIGHT WAVEGUIDE SECTIONS (Min. length)			L634A	$110	R634A	$110	S634A	$ 75	H634A	$ 50
STANDARD GAIN HORNS			L638A	$350	R638A	$500	S638A	$ 75	H638A	$150
WAVEGUIDE SWITCHES	Manual Electrical								H641A H641AE	$350 $400
SHIELDED TUBE MOUNTS										
HARMONIC GENERATORS									H760A	$150
WAVEGUIDE STANDS			L911A	$ 15			Z910A	$ 7	Z910A	$ 7

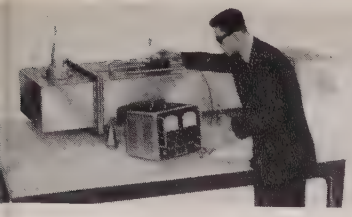
EXCLUSIVE — FXR MICROWAVE TRAINING KIT
provides the foundational knowledge and practical experience necessary to train a student or technician for work in the microwave field. 845

0.75 Kmc

METER COMPONENTS

90 Kmc — 220 Kmc

MILLIMETER COMPONENTS



Expanding both extremes of the microwave spectrum

MACRO-MICROWAVE AND MICRO-MICROWAVE COMPONENTS AND INSTRUMENTATION.

2mm and 3mm Components

C 1½x¾		W 1¼x⅝		X 1x½		Y .622x.311		K* .420x.170		U* .280x.140		Q .224x.112		M .148x.074		E .122x.061		F .080x.040		G .051x.0255	
5.85x8.20		7.05-10.00		8.20-12.40		12.40x18.00		18.00-26.50		26.50-40.00		33.00x50.00		50.00-75.00		60.00x90.00		90.00-140.00		140.00x220.00	
S101A	$335	W101A	$300	X101A	$245	Y102A	$545	K102A	$545	U102A	$545	Q103A	$1100	M103A	$995	E103A	$1650	F105A	$1400	G105A	$1400
C115A	$110	W115A	$110	X115A	$ 90	Y115A	†					TYPE Z116A CARRIAGE $160									
												Q151A	$110	M151A	$100	E151A	$190				
C155A	$ 95	W155A	$ 85	X155A	$ 75	Y155A	$ 90	K155A	$135	U155A	$170										
																		F163A	$975	G163A	$975
C164A	$350	W164A	$350	X164A	$270	Y164A	$275	K164A	$425	U164A	$450	Q164A	$825	M164A	$800	E164A	$1200				
-10DB, D-20DB, E-30DB)																					
C175A	$135	W175A	$115	X175A	$ 95	Y175A	$115	K175A	$240	U175A	$250	Q175A	$475	M175A	$425	E175A	$675	(Values to 30DB)			
		W176A	$185	X176A	$165																
C157A	$245	W157A	$245	X157A	$220	Y157A	$245	K157A	$270												
										U205B	$200			M208A	$325	E208A	$400				
						Y205B	$175	K205B	$175	U206B	$200	Q206B	$210	M206B	$210	E206B	$350	F208A	$400	G208A	$400
				X211A	$ 54	Y212A	$ 80	K212A	$ 80	U212A	$ 80										
C207A	$135	W207A	$120	X207A	$ 80																
C216A	$ 88	W216A	$ 79	X216A	$ 74	Y216A	$110	K216A	$150	U216S	$270										
C218A	$170	W218A	$150	X218A	$145	Y218A	$210	K218A	$250	U218S	$400										
C311A	$135	W311A	$130	X311A	$125	Y311A	$130							M311A	$195						
C312A	$180	W312A	$150	X312A	$130	Y312B	$135	K312B	$155	U312B	$170	Q312B	$235	M312B	$245	E312B	$390	F313A	$775	G313A	$775
																		F314A	$950	G314A	$950
C402A	$1275			X402A	$1275																
C410B	$180	W410B	$165	X410B	$150	Y410A	$210	K410A	$230	U410A	$250										
												Q410X	$325	M410X	$300	E410X	$500	F412A	$750	G412A G413A	$750 $800
				X411A	$175																
C501B	$ 30	W501B	$ 25	X501B	$ 24	Y501A	$ 24	K501A	$ 30	U501A	$ 35	Q501A	$ 95	M501A	$ 90	E501A	$150	F501A	$150	G501A	$150
C502A	$ 65	W502A	$ 55	X502A	$ 45	Y502A	$ 50	K502A	$ 70	U502A	$ 75										
C505A	†	W505A	$125	X505A	†																
C510A	$390	W510A	$370	X510A	$360	Y510A	$450	K510A	$480	U510A	$625										
C510B	$295	W510B	$285	X510B	$275	Y510B	$325	K510B	$340	U510B	$525										
C510C	$235	W510C	$225	X510C	$215	Y510C	$275	K510C	$280	U510C	$450										
C510D	$195	W510D	$185	X510D	$175	Y510D	$225	K510D	$240	U510D	$280										
C510E	$295	W510E	$285	X510E	$275	Y510E	$325	K510E	$340	U510E	$350										
C601B	$ 35	W601B	$ 30	X601B	$ 25																
C610A-D	$140	W610A-D	$115	X610A-D	$ 95	Y610A-D	$100	K610A-D	$165	U610A-D	$185			M610A-D	$500						
						Models A-3DB, B-6DB, C-10DB, D-20DB															
C612D	$ 85	W612D	$ 75	X612D	$ 50	Y612D	$ 55	K612D	$110									Models D-20DB, E-25DB			
C620A	$ 60	W620A	$ 45	X620A	$ 35	Y620A	$ 40	K620A	$ 45	U620A	$ 55	Q620A	$ 65	M620A	$ 60	E620A	$110	F620A	$275	G620A	$275
C621A	$ 60	W621A	$ 45	X621A	$ 35	Y621A	$ 40	K621A	$ 45	U621A	$ 55	Q621A	$ 65	M621A	$ 60	E621A	$110	F621A	$275	G621A	$275
C622A	$ 75	W622A	$ 60	X622A	$ 49	Y622A	$ 54	K622A	$ 65	U622A	$ 80	Q622A	$100	M622A	$100	E622A	$170	F622A	$325	G622A	$325
C623B	$ 45	W623B	$ 35	X623B	$ 24	Y623B	$ 32	K623B	$ 38	U623B	$ 42	Q623B	$ 55	M623B	$ 50	E623B	$ 90	F623A	$275	G623A	$275
C624B	$ 45	W624B	$ 35	X624B	$ 24	Y624B	$ 32	K624B	$ 38	U624B	$ 42	Q624B	$ 55	M624B	$ 50	E624B	$ 90	F624A	$275	G624A	$275
C625A	$ 75	W625A	$ 65	X625A	$ 40	Y625A	$ 60	K625A	$ 60	U625A	$ 70	Q625A	$100	M625A	$100	E625A	$100	F625A	$100	G625A	$100
C630A	$155	W630A	$145	X630A	$130	Y630B	$145	K630B	$155	U630B	$150	Q630B	$155	M630B	$160	E630B	$250	F631A	$275	G631A	$275
C634A	$ 38	W634A	$ 35	X634A	$ 30	Y634A	$ 35	K634A	$ 38	U634A	$ 38	Q634A	$ 50	M634A	$ 50	E634A	$ 50	F634A	$ 85	G634A	$ 85
C638A	$125	W638A	$120	X638A	$100	Y638A	$125	K638A	$150	U638A	$175	Q638A	$120	M638A	$125	E638A	$250	F638A	$200	G638A	$200
C641A	$300	W641A	$265	X641A	$225	Y641A	$250	K641A	$275	U641A	$300										
C641AE	$335	W641AE	$290	X641AE	$250	Y641AE	$275	K641AE	$300	U641AE	$325										
		W760A	$130	X760A	$130																
												Q780A	$165	M780A	$160	E780A	$250	F781A	$475	G781A	$475
Z910A	$ 7	Z910A	$ 7	Z910A	$ 7	Z910B	$ 7	Z910B	$ 7	Z910B	$ 7	Z910C	$ 7	Z910C	$ 7	Z910C	$ 7				

NOTE: †Price will be furnished on request.
*Specify required flanges when ordering.
BIDIRECTIONAL COUPLERS available on special order.
WAVEGUIDE FLANGES and FLANGE SCREWS available.

Due to continuing product improvement specifications and prices are subject to change without notice.
Prices indicated are domestic.

Coaxial Test Equipment

INSTRUMENT	MODEL NO.	FREQ. KMC/SEC	PRICE	COMMENT
SLOTTED SECTIONS	N101A N101B *V101A *V101B N110A	1.00- 4.00 4.00-10.00 1.00- 4.00 1.00- 4.00 0.20- 4.00	$470.00 $440.00 $470.00 $470.00 $550.00	Type N or C adapter connector supplied for N101A, B, N110A Probe & tuner supplied with N110A
FERRITE ISOLATOR	N157A	2.00- 4.00	$450.00	Min isolation 15DB
ATTENUATOR Cutoff Fixed	 N170A N180A-D	 1.00- 4.00 1.00-12.40	 $200.00 $ 42.00	 A-3DB, B-6DB, C10DB, D-20DB
TUNEABLE PROBES	B200A B202A	1.00-12.40 0.35- 1.40	$145.00 $225.00	IN23B supplied IN21B supplied
DETECTOR MOUNTS Tuneable Untuneable	 N200A N210A **N210B	 1.00-12.40 0.10-10.00 0.10-10.00	 $145.00 $ 50.00 $ 55.00	 IN23B supplied IN23B supplied IN23B supplied
THERMISTOR MOUNTS Broadband Temp. Compensated	 N215A N217A	 0.50-10.50 0.50-10.50	 $ 75.00 $140.00	 Z215L element supplied
THERMISTOR HEAD	N218A	0.01-10.00	$145.00	Used with mod. B831A
DOUBLE STUB TUNER	N300A	1.00-10.00	$ 90.00	
FREQUENCY METERS DIRECT READING	N410A N414A	1.00- 4.00 3.95-11.00	$495.00 $495.00	Accuracy 0.08% Accuracy 0.10%
BI-DIRECTIONAL COUPLERS (20DB)	N616D N617D	0.25- 1.00 1.00- 4.00	$160.00 $150.00	Minimum directivity 20DB
VARIABLE CAPACATIVE TEE	N626A	TO 12.00	$ 60.00	
KLYSTRON OSCILLATOR CAVITY	N750A	2.40- 3.70	$280.00	
KLYSTRON TUBE MOUNT	N761A		$ 95.00	Z761P cable not supplied
KLYSTRON TUBE MOUNT	Z762B		$145.00	Z762P cable supplied

*Mating coax dim. 7/8" all others 3/8".

**Model N210B has built-in DC return.

High Power Electronics

Development and Systems Applications

FXR's Design and Fabrication

FXR's unique integration of design, development and production techniques and facilities offers unsurpassed capabilities in the field of *Advanced High Power Electronics.*

The company's history of proven ability, reflected in product creativeness, enables the organization to offer expert response to exacting and demanding customer specifications.

For detailed information concerning your particular application, send for our detailed questionnaire.

Shipboard Electronic Applications

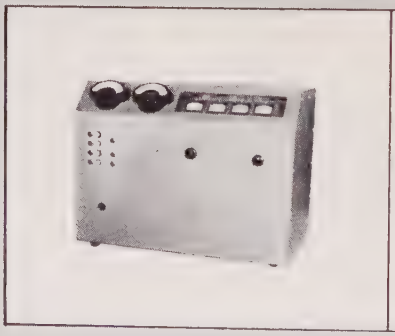
Experimental Radar Techniques

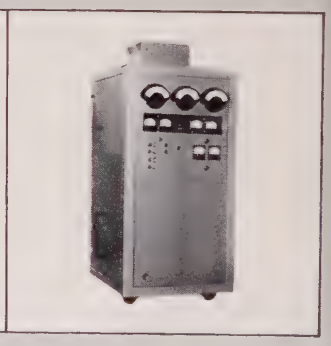
Military Systems Applications

Tube Development

- Switch Tubes
- Transmitter Tubes
- Qualification Testing

HARD TUBE
AND
LINE MODULATORS





REGULATED HIGH VOLTAGE POWER SUPPLIES

FXR Model Z850A
- **0 to 12 KV**
- **150 MA**
- **Ripple, 4 MV**

FXR Model Z851A
- **0 to 10 KV**
- **250 MA**
- **Ripple, 5 MV**

FXR Model Z852A
- **0 to 18 KV**
- **1 AMP**
- **Ripple, 5 MV**

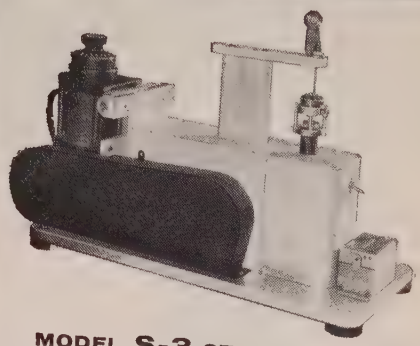
Special Microwave Components

Rotary Joint

Many organizations have turned to FXR for the solution to their specific problems. Typical custom made components developed by this company include:

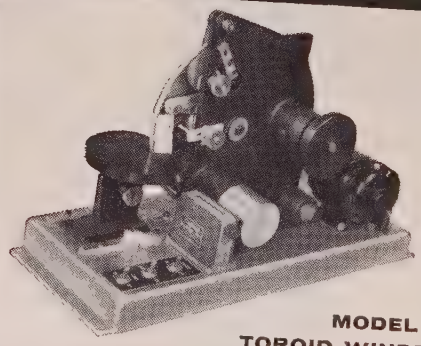
- **High Powered**
- **Wave Guide Switches**
- **Directional Couplers**
- **Direct Reading Frequency Meters**
- **Complete System Plumbing**

The most advanced coil winding equipment in the world today!



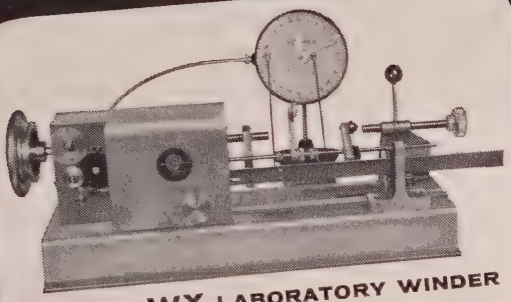
MODEL S-3 STATOR WINDER

Smallest of our family of machines for both internal and external winding in lamination stacks.



MODEL T TOROID WINDER

One of several types of toroid winders for inductances, auto transformers, rheostats, etc.

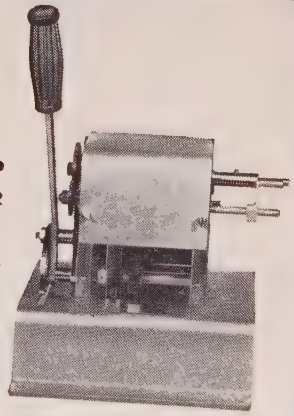


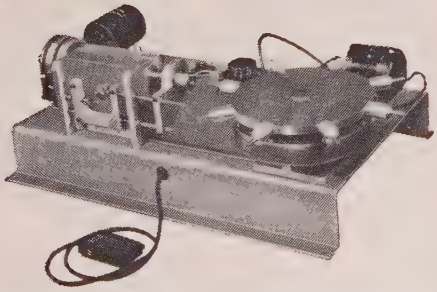
MODEL WX LABORATORY WINDER

The world's most versatile winding machine for all types of radio frequency coils as well as bobbins, transformers, resistors, etc. Features continuous gain or feed adjustment and our exclusive adjustable cam.

MODEL MP HAND WINDER

Coils with up to 60 turns produced in a single stroke of the lever.





MODEL CK AUTOMATIC TURRENT WINDER

One of our several models to wind many coil types on a completely automatic or semi-automatic basis.

Write today for complete literature

Representatives in all major electronic market areas throughout the country

COIL WINDING EQUIPMENT CO.

OYSTER BAY, NEW YORK – OYster Bay 6-1285

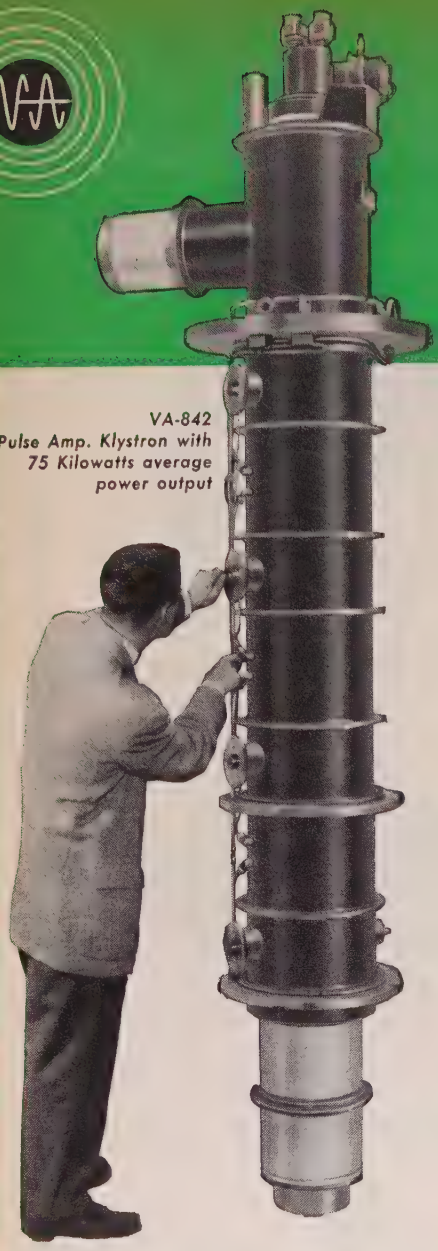
COWECO

For Economy and Reliability Specify...

VARIAN

unsurpassed performance in every application

Since the invention of the Klystron by the Varian brothers in 1938, many allied products have been added to the Varian line... which, in addition to Klystrons, now includes Traveling Wave Tubes, Gas Switching Tubes, Magnetrons,



VA-842 Pulse Amp. Klystron with 75 Kilowatts average power output

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- Munich 2; 111 Dachauer Strasse

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I. R. C. A.
- Voorburg; 92 Paradysstraat

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BLUE STAR ENGINEERING CO.
- Bombay 1; Kasturi Buildings, Jamshedji Tata Road

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- New York 36, N.Y., 48 W. 48th St.

LANDSEAS-EASTERN COMPANY, LTD.
- Tel Aviv; 22 Maze Street

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- Torino; Via Cesare Battisti, 2

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- 4200 Cathedral Ave., N.W., EMerson 3-7795

HOME OFFICE AND FACTORY

VARIAN ASSOCIATES
PALO ALTO, CALIFORNIA, U.S.A.
- 611 Hansen Way, Phone: DAvenport 6-4000

NUMBER	PRODUCT	BAND	*POWER OUTPUT
X-12	Reflex Osc. Kly.	Ku	100 mW
X-13	Reflex Osc. Kly.	X	200 mW
X-13B	Reflex Osc. Kly.	X	200 mW
V-23	Oscillator Kly.	X	5 watts CW
V-24B Series	Pulse Amp. Kly.	X	40 kW
X-26 Series	Reflex Osc. Kly.	C	1 watt
V-27	Amplifier Kly.	X	6 watts CW
V-27B	Amplifier Kly.	X	6 watts CW
VA-28	Oscillator Kly.	Ku	14 watts CW
V-39B	Reflex Osc. Kly.	Ku	50 mW
V-40B	Reflex Osc. Kly.	Ku	50 mW
V-45	Multiplier Kly.	L/X	Up to 1 watt
V-53B	Reflex Osc. Kly.	X	50 mW
V-54	Reflex Osc. Kly.	X	200 mW
V-55	Reflex Osc. Kly.	X	300 mW
V-55B	Reflex Osc. Kly.	X	300 mW
V-58	Reflex Osc. Kly.	X	600 mW
V-58C	Reflex Osc. Kly.	X	600 mW
V-63	Oscillator Kly.	X	5 watts CW
VA-64F	Oscillator Kly.	Ku	15 W
VA-64G	Oscillator Kly.	Ku	15 W
VA-67B	Oscillator Kly.	Ku	1 watt CW
V-82	Pulse Amp. Kly.	X	5 kW
VA-87B, C	Pulse Amp. Kly.	S	2 Mw

NUMBER	PRODUCT	BAND	*POWER OUTPUT
VA-92	Reflex Osc. Kly.	Ku	100 mW
VA-92B	Reflex Osc. Kly.	Ku	200 mW
VA-92C	Reflex Osc. Kly.	Ku	200 mW
VA-94	Reflex Osc. Kly.	Ku	30 mW
VA-94B	Reflex Osc. Kly.	Ku	30 mW
VA-96	Reflex Osc. Kly.	K	30 mW
VA-96B	Reflex Osc. Kly.	K	30 mW
VA-97	Reflex Osc. Kly.	K	15 mW
VA-97B	Reflex Osc. Kly.	K	15 mW
VA-98	Reflex Osc. Kly.	K	50 mW
VA-113-14-15	Reflex Osc. Kly.	C	50 to 300 mW
VA-125A	Pulse Amp. TWT	S	2 Mw
VA-125B	Pulse Amp. TWT	S	2 Mw
VA-128	Pulse Amp. TWT	S	5 kW
VA-131	Pulse Amp. TWT	L	50 kW
VA-132	CW Amp. TWT	UHF	200 W
V-153/6315	Reflex Osc. Kly.	X	70 mW
V-154	Reflex Osc. Kly.	X	200 mW
V-157	Reflex Osc. Kly.	X	70 mW
VA-161	BWO	X	80 mW
VA-161B	BWO	X	40 mW
VA-162	BWO	Ku	40 mW
VA-168	BWO	X	300 mW
VA-169	BWO	X	250 mW

[illegible] concerning guaranteed minimum and average output data, please contact Varian Application Engineering Department.

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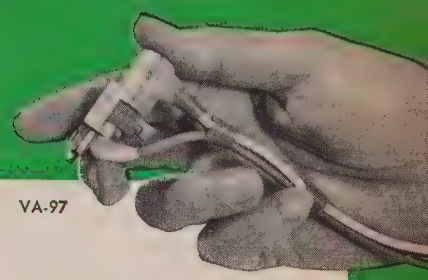

VA-97

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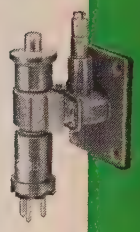

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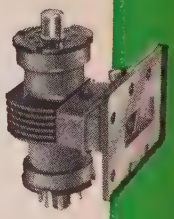
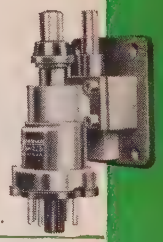


VA-221H

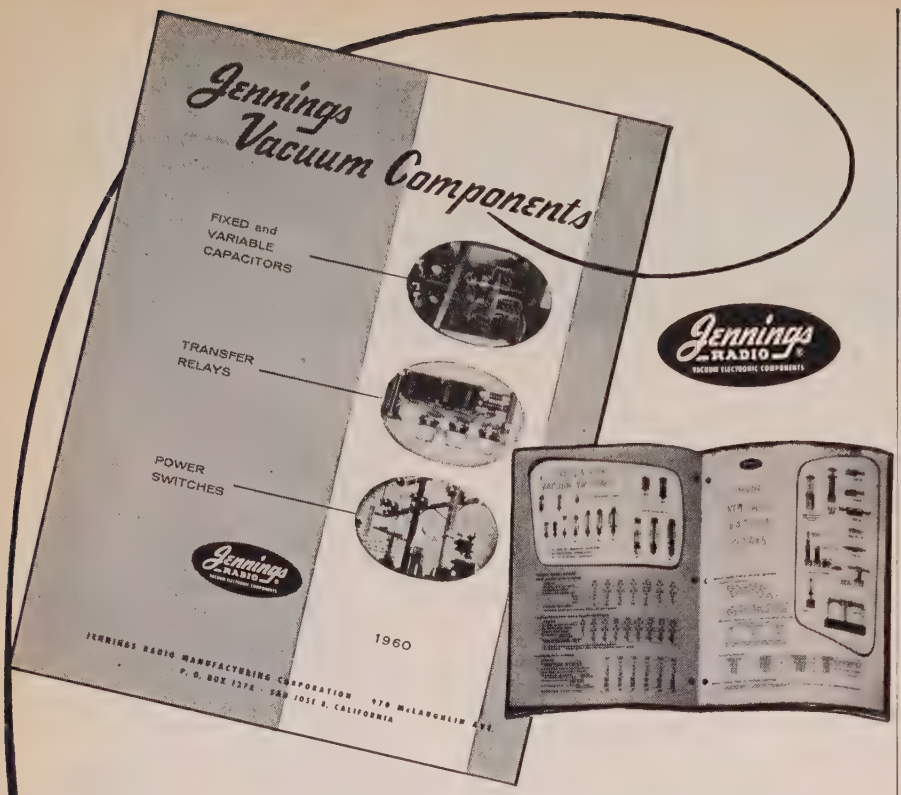


VA-225.

NUMBER	PRODUCT	BAND	*POWER OUTPUT
VA-179	BWO	C	50 mW
VA-201B	Reflex Osc. Kly.	X	60 mW
VA-203B/6975	Reflex Osc. Kly.	X	30 mW
VA-210B	Reflex Osc. Kly.	X	30 mW
VA-217C	Reflex Osc. Kly.	X	25 mW
VA-218	Reflex Osc. Kly.	X	70 mW
VA-218B	Reflex Osc. Kly.	X	70 mW
VA-220A-G	Reflex Osc. Kly.	C	1 watt
VA-220J	Reflex Osc. Kly.	C	1 watt
VA-220Z	Reflex Osc. Kly.	C	1 watt
VA-221B-G	Reflex Osc. Kly.	C	40 mW
VA-221H	Reflex Osc. Kly.	C	40 mW
VA-221K	Reflex Osc. Kly.	C	40 mW
VA-222A-G	Reflex Osc. Kly.	C	1 watt
VA-222Z	Reflex Osc. Kly.	C	1 watt
VA-225A, B	Reflex Osc. Kly.	H	1 watt
VA-225C	Reflex Osc. Kly.	H	1 watt
VA-232	Reflex Osc. Kly.	X	200 mW
V-260/6310	Reflex Osc. Kly.	X	50 mW
V-262	Reflex Osc. Kly.	X	50 mW
V-270/6312	Reflex Osc. Kly.	X	50 mW
V-290/6314	Reflex Osc. Kly.	X	120 mW
VA-503	Oscillator Kly.	Ku	1 W
VA-800	CW Amp. Kly.	S	10 kW

NUMBER	PRODUCT	BAND	*POWER OUTPUT
VA-800C	CW Amp. Kly.	S	10 kW
VA-802B	CW Amp. Kly.	S	1 kW
VA-804 Series	CW Amp. Kly.	C	2 kW
VA-805 Series	CW Amp. Kly.	C	2 kW
VA-806 Series	CW Amp. Kly.	X	1 kW
VA-808	Pulse Amp. Kly.	C	20 kW
VA-816J	Pulse Amp. Kly.	S	2.5 Mw
VA-820B	Pulse Amp. Kly.	S	5 Mw
VA-820C	Pulse Amp. Kly.	S	5 Mw
VA-822 Series	CW Amp. Kly.	X	1 kW
VA-823 Series	CW Amp. Kly.	X	5 kW
VA-824B	Amplifier Kly.	X	2 W
VA-832	Amplifier Kly.	X	6 W
VA-833B	CW Amp. Kly.	UHF	11.5 kW
VA-833C	CW Amp. Kly.	UHF	11 kW
VA-834B	CW Amp. Kly.	C	1 kW
VA-836	CW Amp. Kly.	X	1 kW
VA-839	Pulse Amp. Kly.	S	5 Mw
VA-842	Pulse Amp. Kly.	UHF	1.25 Mw
VA-845 Series	Pulse Amp. Kly.	X	5 kW
VA-846 Series	CW Amp. Kly.	C	5 kW
VA-848 Series	CW Amp. Kly.	X	2 kW
VA-856 Series	CW Amp. Kly.	X	2 kW
VA-6915	Reflex Osc. Kly.	X	50 mW

*For information concerning guaranteed minimum and average output data, please contact Varian Application Engineering Department.



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A few minutes inspection of the wide range of vacuum components in this new product bulletin will reveal many design possibilities that ordinary electronic components cannot achieve. The bulletin contains valuable data and specifications on the latest types of Jennings Fixed and Variable Capacitors, Power Switches, Coaxial Relays, Triggered Spark Gaps, Transfer Relays and High Voltage Measuring Equipment.

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Withstand voltage (60 cycle 1 min. dry) . . . . . 36 kv rms

RE6B Vacuum Transfer Relay

Overall length . . . . . 3¼ in.
Rated operating voltage (cyc) . . . . . 25 kv
DC interrupting rating . . . . . 20 kw (not to exceed 5 amp or 10 kv)
Continuous current . . . . . 25 amps rms

Type USLS Vacuum Variable Capacitor

Capacity range . . . . . 5-465 mmfd
Overall length . . . . . 5⅝"
Peak voltage (max. capacity) . . . . 5 kv
Peak voltage (min. capacity) . . . . 10 kv
Continuous current . . . . . 40 amps rms

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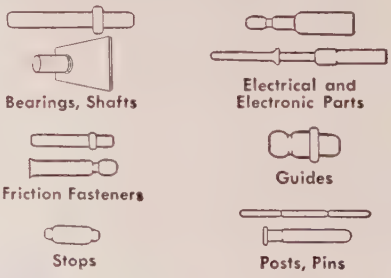

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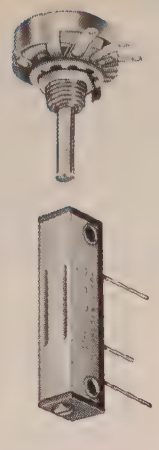
Built to your specifications, or available from stock, in industrial quantities, at factory prices, through your local CENTRALAB distributor.



VARIABLE RESISTORS

1/4W. Linear Motion, wirewound 100 to 20K ohms and composition 10K to 2.5 meg. .250" x .325" x 1.250".

1/10W. Microminiature, 0.286" diam: **Ultra-miniature,** 0.502" diam; **sub-miniature,** 5/8" diam; 500 ohms to 10 megs.

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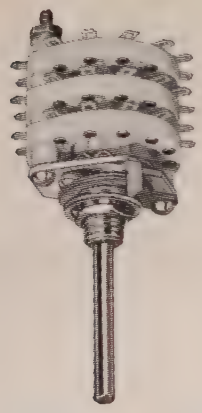
1/2W. Standard—For radio, TV. Single, Twin or dual-concentric. 15/16" diam. 250 ohms to 10 megs.

1-1/2W. Wirewound—for military and instruments. 11/16" diam., 5/16" deep. 4 ohms to 30K ohms.

2-5W. Wirewound—For instruments and TV. Single or dual-concentric. 1-5/32" diam. 1 ohm thru 100K ohms.

Write for Group B bulletins.

RELIABILITY



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Sub-miniature rotary—15/16" diam. for military and high reliability applications. Rating 0.5 amp. at 6VDC, 100 ma. at 110VAC. Laminated phenolic, steatite, single or multiple sections.

Standard rotary—1-5/16" diam. laminated phenolic or steatite insulation, single or multiple sections. Rating 2 amps. at 15VDC. 150 ma. at 110VAC. (Resistive load.)

Heavy-duty power—For transmitter, industrial control, laboratory testing, military, commercial. 2-13/16" diam. 7-1/2 amp. rating at 110VAC. 25,000 cycles minimum.

Spring return—1-5/16" diam., coil or C-type springs, phenolic, steatite, single or multiple sections.

Specialized—Lever, slide, tone, tuner sections, others.

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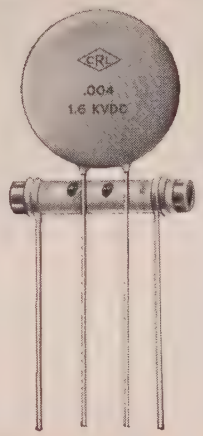

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Ultra-miniature—3 to 12 VDC, 0.22—2.2 mfd.—for low power factor transistor applications.

Temperature compensating—Discs, tubulars, 150 v to 6,000 VDCW, 1 mmf.—0.1 mf. Capacitance +100 to —5250 ppm.

Bypass—Coupling—Discs, tubulars, 150 v to 6,000 VDCW, 1 mmf.—0.1 mf.

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IN ELECTRONICS

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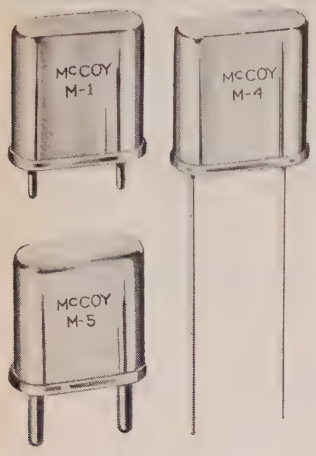

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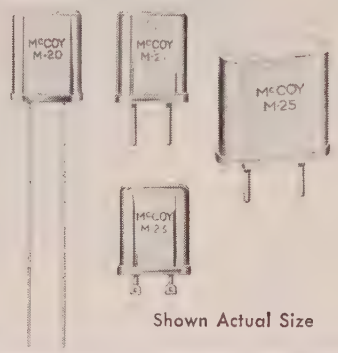
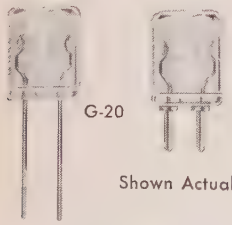


Shown Actual Size

ALL-GLASS CRYSTAL UNITS



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HC-18/U type. Meet new CR-73/U and CR-74/U specs. Available 5000 kc to 200.0 mc.

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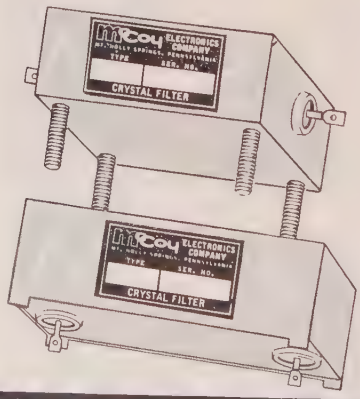
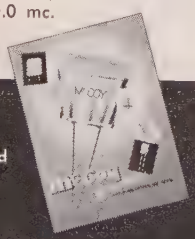
Band pass types from 1.0 mc to 30.0 mc center frequency with 6 db band widths of 0.01% to 4.0% of center frequency. Single side band types from 1.0 mc to 20.0 mc frequency with 3 db bandwidths from 1.0 kc to 10.0 kc.





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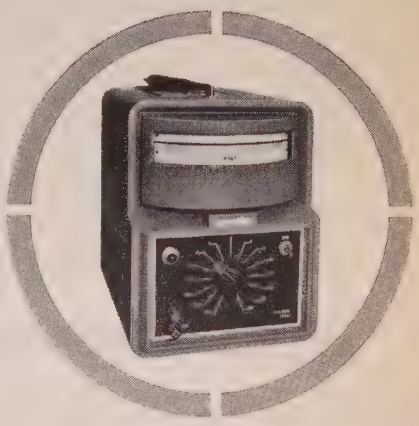

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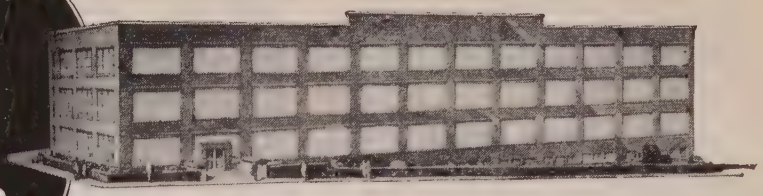

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Frequencies: 200 to 4000 cycles

Accuracies:—
Type 2003 (±.02% at —65° to 85°C)
Type R2003 (±.002% at 15° to 35°C)
Type W2003 (±.005% at —65° to 85°C)

Double triode and 5 pigtail parts required.

Input, Tube heater voltage and B voltage

Output, approx. 5V into 200,000 ohms

TYPE 2007-6

TRANSISTORIZED, Silicon Type

Size 1½" dia. x 3½" H. Wght. 7 ozs.

Frequencies: 360 to 1000 cycles

Accuracies:
2007-6 (± .02% at —50° to + 85°C
R2007-6 (±.002% at +15° to + 35°C
W2007-6 (±.005% at —65° to + 85°C

Input: 10 to 30 Volts, D. C., at 6 ma.

Output: Multitap, 75 to 100,000 ohms

TYPE 2001-2

Size 3¾" x 4½" x 6" H., Wght. 26 oz.

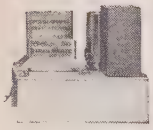
Frequencies: 200 to 3000 cycles

Accuracy: ±.001% at 20° to 30°C

Output: 5V. at 250,000 ohms

Input: Heater voltage, 6.3 - 12 - 28

B voltage, 100 to 300 V., at 5 to 10 ma.



ACCESSORY UNITS FOR 2001-2

L—For low frequencies multi-vibrator type, 40-200 cy.

D—For low frequencies counter type, 40-200 cy.

H—For high freqs, up to 30 KC.

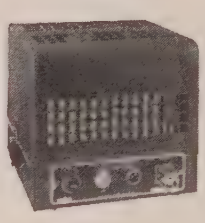
M—Power Amplifier, 2W output.

P—Power supply.

PRECISION FREQUENCY STANDARDS

TYPE 2005A

Size 8" x 8" x 7¼" High
Weight, 14 lbs.



Frequencies:
50 to 400 cycles (Specify)

Accuracy:
±.001% from 20° to 30°C

Output, 10 Watts at 115V

Input, 115V. (50 to 400 cy.)

TYPE 2121A

Size
8¾" x 19" panel
Weight, 25 lbs.

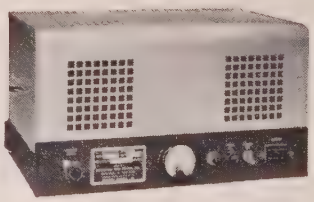
Output: 115V
60 cycles, 10 Watt

Accuracy:
±.001% 20° to 30°C

Input,
115V (50 to 400 cy.)

TYPE 2111C

Size, with cover
10" x 17" x 9" H.
Panel model
10" x 19" x 8¾" H.
Weight, 25 lbs.



Frequencies: 50 to 1000 cy.

Accuracy:
(±.002% at 15° to 35°C)

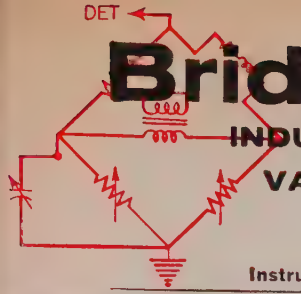
Output: 115V, 75W.

Input: 115V, 50 to 75 cy.

WHEN REQUESTING INFORMATION, PLEASE SPECIFY TYPE NUMBER

ATP

American Time Products Inc.
61-20 Woodside Avenue
Woodside 77, N. Y.



Bridges for measuring RESISTANCE • CAPACITANCE INDUCTANCE • IMPEDANCE • DISSIPATION FACTOR VACUUM-TUBE and TRANSISTOR COEFFICIENTS

Instrument	Measurement Frequency	Range of Measurements	Accuracy	Recommended Generator	Recommended Null Detector	Features and Typical Uses
1652-A Resistance Limit Bridge $520	dc	**R:** 1 to 1,111,111Ω Meter reads deviations up to ±20% from standard valve	±0.5% as limit bridge ±0.25% by null method	self contained		Production testing and inspection or laboratory work. Three high-sensitivity models having ±2%, ±5%, or ±10% full-scale ranges available on special order. Write for complete information.
544-B Megohm Bridge with a-c power supply, $395 battery operated, $270	dc	**R:** 0.1 to 1,000,000 MΩ	±3% to 1000 MΩ ±4% to 100,000 MΩ	self contained		Measures high resistance — insulation, volume resistivity, et
740-B Capacitance Test Bridge $300	60 c	**C:** 5 μμf to 1100 μf **D:** 0 to 50%	±1% ±1.5% of full scale	self contained		Production-test tool — measu ungrounded capacitors.
1611-B Capacitance Test Bridge $625	60 c 120 c	**C:** 0 to 11,000 μf **D:** 0 to 60% **C:** 1 μf to 11,000 μf **D:** 0 to 120%	±1% ±2% ±1% ±2%	60c generator built in. 1214-D for 120c	self contained	Testing insulators, bushings, cables, grounded capacitors, and electrolytic capacitors.
1650-A Impedance Bridge $450	dc 20 c to 5 kc 20 c to 20 kc (D & Q ranges are function of frequency)	**R:** 1 mΩ to 10 MΩ **R:** 1 mΩ to 10 MΩ **L:** 1 μh to 1000h **C:** 1 μμf to 1000 μf **Q:** 0.02 to 1000 at 1 kc **D:** 0.001 to 50 at 1 kc	±1% ±1% ±1% ±1% ±5% ±5%	1-kc generator built in. 1210-C for 20 c to 20 kc	self contained (earphones may be used)	A universal bridge for general-purpose laboratory or producti use. Provision for applying dc to inductors, capacitors, or diodes during measurements.
1603-A Z-Y Bridge $450	20 c to 20 kc	**R:** 0 to ±1000 Ω **G:** 0 to ±1000 μmho **X:** 0 to ±1000 Ω **B:** 0 to ±1000 μmho	±1% ±1% ±1% ±1%	1210-C	1212-A	Directly measures quadrature components of any impedance from 0 to ∞.
1632-A Inductance Bridge $950	100c, 1 kc usable to 10 kc with slight decrease in accuracy	**L:** 111 μh to 1111h **G:** 111 μmhos to 1111 mhos	±0.1% Inductors having nearly equal values can be compared to a precision of 1 part in 10^5	1304-B or 1210-C with 1206-B Amplifier	1231-B with 1231-P5 Filter	For the precise measurement and standardization of inductor
1605-A Impedance Comparator $800	100 c, 1 kc 10 kc, 100 kc	**Z:** 2 Ω to 20 MΩ **△Z:** ±0.01% to ±10% **△θ:** ±0.0001 to ±0.1 radian	±0.01%	self contained	self contained	Panel meters simultaneously in dicate % differences in magn tude and phase angle betwee unknown and external standar — precision and speed in on instrument.
1605-AS2 Impedance Comparator $925	100 c, 1 kc 10 kc, 100 kc	**Z:** 20Ω to 20 MΩ **△Z:** ±0.003% to ±3% **△θ:** ±0.00003 to ±0.03 radian	±0.003%	self contained	self contained	For precise measurements — has 3-to-1 increase in sensitivi over the 1605-A.
1613-A Capacitance Bridge $2175	400 c	**C:** 5 μμf to 11,000 μμf **D:** 0 to 0.11	±0.1% (±0.8% at 5 μμf) ±2%	self contained	self contained	Designed primarily as a cali-brator for capacitive type aircra fuel-gage testers.
716-C Capacitance Bridge $655 (rack model, $625)	1 kc 0.1, 1, 10, 100 kc 0.1, 1, 10, 100 kc 0.1, 1, 10, 100 kc	**C:** 100 μμf to 1.15 μf **C:** 100 μμf to 1150 μμf **C:** 0.1 μμf to 1050 μμf **D:** 0.00002 to 0.56	±0.1% ±(1 μμf x C multiplier setting) ±0.2% (substitution) ±2%	1302-A	either 1231-B or 1212-A with appropriate filters	For capacitance standardizatio precision measurements, diele tric tests and studies.
716-CS1 Capacitance Bridge $600 (rack model, $575)	0.5 to 3 Mc	**C:** 0.1 to 1150 μμf **D:** 0.00002 to 0.56	±0.2% ±0.2%	1214-M for 1 Mc 1211-B for other frequencies	1212-A	High-frequency model of 716-(
916-AL Radio-Frequency Bridge $670	50 kc to 5 Mc	**X:** ±11,000 Ω at 100 kc **R:** 0 to 1000 Ω (X-range varies inversely as frequency)	±2% ±1%	1211-B or 1330-A	communica-tions receiver	Measures impedances of an tennas, transmission lines; meas ures low impedances simply an directly at radio frequencies.
1606-A Radio-Frequency Bridge $660	400 kc to 60 Mc	**X:** ±5,000 Ω at 1 Mc **R:** 0 to 1000 Ω	±2% ±1%	1211-B, 1215-B, or 1330-A	communica-tions receiver	Improved model — same uses as 916-AL but for higher frequencies.
1601-A V-H-F Bridge $575	10 to 165 Mc	**X:** ±200 Ω at 100 Mc **R:** 0 to 200 Ω	±5% ±2%	1208-B, 1215-B, or 1330-A	receiver, DNT-1, DNT-2	For measurements of either lumped or coaxial circuits.
1661-A Vacuum-Tube Bridge $1100 (also measures transistor low-frequency parameters) $1100	270 c, 400 c, 1 kc	**μ:** 0.001 to 10,000 **rp:** 50 Ω to 20 MΩ **gm:** 0.02 to 50,000 μmho also measures h_i, h_r, h_f, and h_o of transistors	±2% ±2% ±2% at mid ranges	1214-E	1212-A with 1951-E Filter	Adaptors furnished with instrument for measuring characteristics of receiving tube and transistors.

Write For Complete Information

GENERAL RADIO COMPANY

WEST CONCORD, MASSACHUSETTS

our 45th year in Electronics

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District Office in Ridgefield, N. J. WHitney 3-3140

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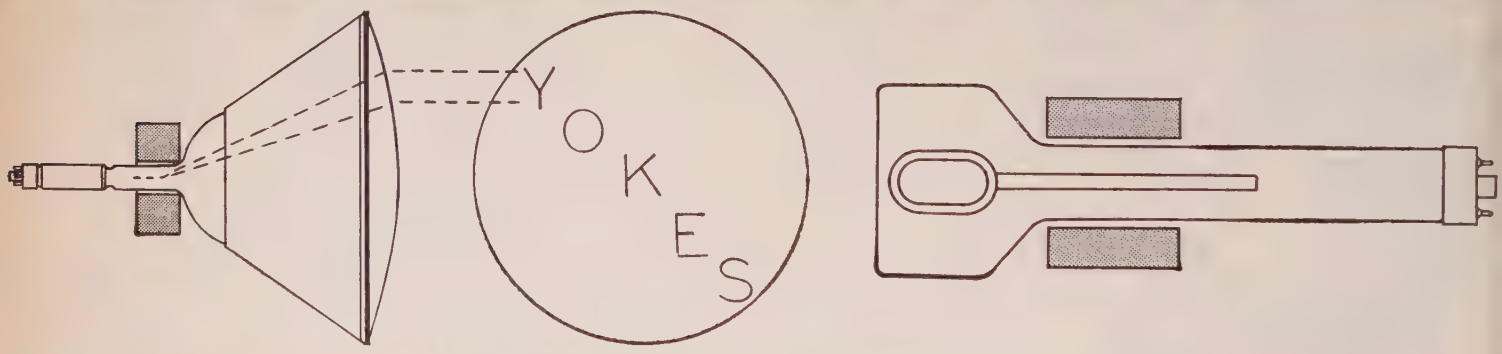
....LEADING SPECIALISTS

Celco

YEARS AHEAD IN

Celco YOKES FOR CHARACTER DISPLAYS & HIGH RESOLUTION APPLICATIONS



Deflection yokes for difficult character display and high resolution problems are another achievement in advanced design and engineering at Celco.

Celco Deflection Yokes permit rapid presentation of random character and alpha numeric displays. Low hysteresis, high accuracy and fast Recovery time with emphasis on spot approach to absolute zero, assures highest performance of magnetic deflection character displays.

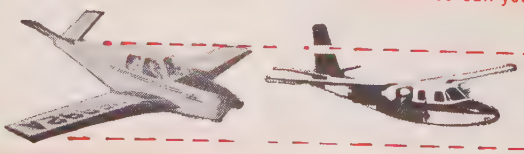
Celco High Sensitivity Yokes minimize the deflecting currents required from the deflection drivers, resulting in high efficiency for your system.

For best utilization of the New High Resolution CRT's CELCO YOKES assure minimum defocusing at large deflections.

The construction of our yokes makes it possible to achieve **sensitivities, linearities, responses and distortion-free deflecting fields** not possible with the usual types of yoke.

For critical applications, many of our customers have saved years of trial and error in YOKE selection by specifying CELCO YOKES.

Write for CELCO DEFLECTION YOKE Catalogue & Design Sheets or for assistance Call your nearest CELCO Plant listed below.



Your plant is only hours away by the **Celco** Air Fleet

Celco

Constantine Engineering Laboratories Company

Main Plant: MAHWAH, N. J. DAvis 7-1123

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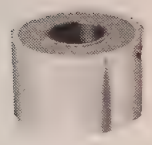
IN PRECISION DISPLAYS

YOKES

DESIGN PERFORMANCE!

Celco FOR STANDARD, COMMERCIAL & MILITARY APPLICATIONS

Single units or production quantities immediately available in wide range of inductance—resistance—Recovery time—pin cushion corrected or optimum focus as required. Also available 2-1/8" and 2-1/2" neck CRT yokes.

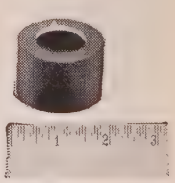


TYPE BY
Transistorized encapsulated yokes for 70° 7/8" neck CRT and 1" neck image storage tubes.

TYPE AY
Push-pull or single ended yokes for 52°, 70° and 90° deflections for 1-7/16" neck CRT.

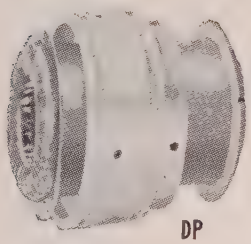
TYPE RY
Rotating deflection yokes for PPI displays. Gears, bearings, slip rings and contact assembly included.

TYPE CF
Electromagnetic focusing coil for 7/8", 1" and 1-7/16" neck CRT.



TYPE MY
Miniature light weight deflection yoke coils or assemblies for incorporation into customer housings.

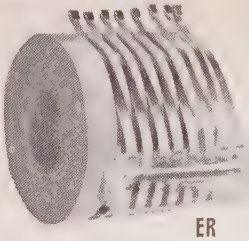
Celco ENGINEERED YOKES FOR PRECISION DISPLAYS



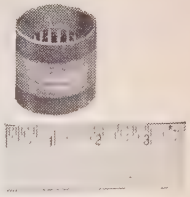
DP
Dual purpose yoke custom designed. Deflection system plus axial off-centering coils.

HS
Special high sensitivity deflection yoke with critical damping provisions.

PI
Plug in type encapsulated deflection yoke for rapid insertion.



ER
Encapsulated rotating, 4 axis slip ring precision deflection yoke.



MS
Miniature deflection yoke for rotating or fixed coil radar system.

For engineering information on your special display problems call your nearest Celco Plant.

Celco

Constantine Engineering Laboratories Company

Main Plant: MAHWAH, N. J. DAvis 7-1123

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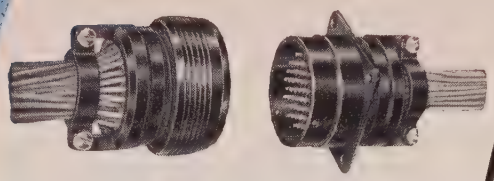
...since last year's issue

...these New Product Developments at Amphenol

MIL-C-26500 48 SERIES

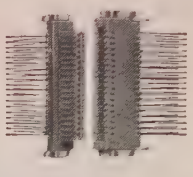
Complete family of miniature environmentally resistant connectors unaffected by 1000 hours of 200°C. Performance and design of the future!



Micro Min

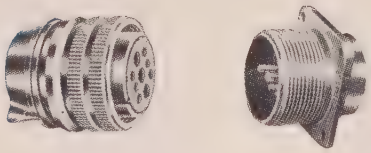
Contacts on .050" Centers. Smallest connectors ever developed for micro-miniature circuitry—50% size, 80% weight reduction from standard "miniatures."

19 contacts or 38 contacts



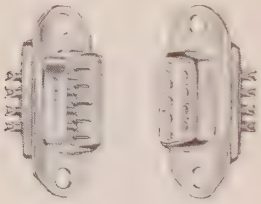
STUB R POKE "R" 69 SERIES

Stub R: MIL-C-5015D "R," with nine "plus" features. *Poke R:* "R"-types with Poke Home crimp contacts. 1 cycle altitude immersion resistant.



MinRac 17 SERIES

Miniature rack & panel connectors with AMPHENOL-developed crimp or solder Poke Home contacts. Five insert arrangements in three shell variations.



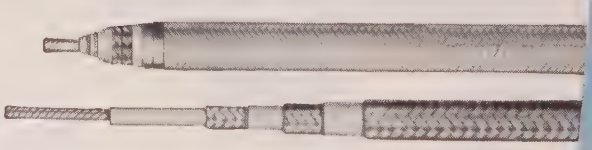
MINNIE 67 SERIES

MINNIE family continued to expand. Addition of 67-00 wall mounted receptacles and two new hermetically sealed configurations in industry's first true miniature "E" types.

Seven New Cable Additions

Teflon, Polyethylene, Polyfoam and revolutionary 1000°F cable systems. First miniature Cujak cable, other significant advances in cable art!

RG and RG-types



AMPHENOL

CONNECTOR DIVISION *chicago 50, illinois*
CABLE & WIRE DIVISION *chicago 38, illinois*

Amphenol-Borg Electronics Corporation

JULIE RESEARCH LABORATORIES INC.

The precision resistors, resistance sets, and networks described below owe their unusual characteristics to exclusive JRL developments. For example, special manufacturing techniques, applied to the unique NB-1 design (patent applied for), have made it possible to reproduce Primary-Standard resistors, sets, and networks based upon them, at remarkably economical production levels.

"Firsts in Accuracy"

PRIMARY AND SECONDARY STANDARDS OF RESISTANCE • RATIO • VOLTAGE • CURRENT • ULTRA-PRECISE NETWORKS AND INSTRUMENTS FOR MEASUREMENT • REFERENCE • CALIBRATION • CONVERSION

PRIMARY-STANDARD RESISTORS AND RATIOS

STYLE NB-1. Individual resistors and ratio sets, immersed in oil in a hermetically-sealed case, offering absolute accuracy and stability never before attained in commercial production. Absolute accuracy, and stability per year: resistors, 0.0015%; ratios, 0.0005%. Range: resistors from 0.1 ohm to 10 megohms; ratios up to 10^6:1 (up to 3 resistors in single case). Standard temperature coefficient: 5 ppm/°C on resistance, 2.5 ppm/°C on ratios: available as low as 2.5 and 0.7 ppm/°C, respectively. Self-heating: 10 ppm/watt; total thermal transient effect, less than 0.0005%.

•

PRIMARY STANDARD RESISTANCE SETS

These exceptionally economical, compact, and accurate resistance sets consist of appropriately-proportioned groups of our unique NB-1 primary-standard resistors oil-immersed in hermetically-sealed steel cans. A very wide range of resistance and ratio values may be synthesized by appropriate interconnection.

BMR-105, 17 resistors, 1 to 65,536Ω in binary progression; total resistance = 131,071Ω. BMR-104S, two identical sets of 13 resistors provide 14-bit accuracy, (3.663 to 15,000Ω); total resistance = 29,996.337Ω. BDR-105, 21 resistors, 1 to 40,000Ω in modified binary-decimal sequence, 100,000Ω total. BDR-105S, two identical sets of resistors, as in BDR-105, provide 17-bit accuracy (1Ω to 40,000Ω). DMR-104/105/106, 12 equal resistors (1000, 10,000, or 100,000Ω each) useful as Kelvin-Varley decades, facilitate self-checking.

•

PRIMARY STANDARD VOLTAGE DIVIDER

MODELS VDR-106 (DC) and VDR-106A (DC/AC). Voltage dividers of uncommon accuracy and resolution, embodying a completely-shielded, six-decade Kelvin-Varley circuit which contains no potentiometers or or verniers — all decades are switched, over the entire million-to-one range. Output voltage is adjustable to any fraction of input voltage from 0.000000 to1.000000, and rated accuracy holds throughout the ambient temperature range from 20°C to 30°C.

•

SYNCHRO OR RESOLVER BRIDGES

MODELS PSB-5, –10, PRB-5, –10. Permit checking synchro transmitters, receivers, differential transformers (PSB models), or four-wire induction resolvers (PRB models) for electrical error every 5 (or 10) degrees of angular rotation, to high precision. Fully switched (no potentiometers), with direct-reading dial. Used with an uncalibrated null detector, or a calibrated phase-sensitive detector.

•

RELAY-OPERATED VOLTAGE DIVIDER

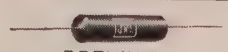
MODEL RVD-105. The most accurate form of digital-analog converter. Consists of a group of resistors whose values represent a particular coding (i.e. binary-decimal), and a control relay for each resistor. Relays may be programmed manually or automatically, so that a voltage connected across the divider is divided down to produce an output analog value which represents the input digital value. In the standard unit (RVD-105) the total divider is 100K ohms, and coding is 1, 2, 2, 4 by decades, with five decades as full scale (a modified binary-decimal code). Any code is available on order.

•

VOLTAGE/RATIO/RESISTANCE REFERENCE SET VRS–105/6

NB–1

0.0015% ABSOLUTE
0.0005% RATIO



PREMIUM ENCAPSULATED

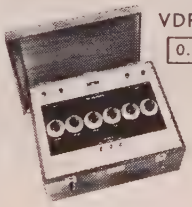
TO 0.005% ABSOLUTE
0.002% RELATIVE

BMR
BDR
DMR

0.0015%

NETWORKS

TO 0.005% —55° to 85°C.



VDR–106

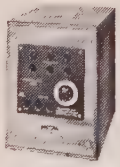
0.0001%

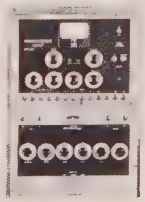
VDR–106A

0.0002% 0-4KC
0.0005% 4-10KC

SCO–106

0.0001%





PVC–504

0.0015% VOLTAGE

0.003% CURRENT

RVD–105 0.001%

PREMIUM-GRADE ENCAPSULATED RESISTORS

Individual or group-encapsulated resistors, combining high accuracy, high stability, and freedom from shock, vibration, and enviromental influences, at low cost. Unusual reliability over wide ambient temperature ranges especially recommends their use in critical military equipment.

SPECIFICATIONS:

Standard accuracy: 0.01% for resistors (0.02% from –30°C to +85°C), 0.005% for ratios near 1:1 (to 0.005% from –45°C to +85°C). Resistive stability, 0.003% per year. Intermediate accuracies of 0.05% and up (at correspondingly lower costs) are available on special order. Temperature coefficients same as for NB-1 type.

•

MILITARY-ENVIRONMENT RESISTOR NETWORKS

TYPE MTR. High-precision resistance networks for dependable DC, carrier frequency, and pulse operation over military temperature ranges (–55°C to + 85°C) without ovens, thermostats or heaters. From 2 to 36 resistors in a single, oil-filled case, with values and tolerances to specifications, as required. Special temperature coefficients, low and/or matched phase-shift, and low-reactance characteristics can readily be provided. Avoid the size, weight, warm-up delay, and loss of reliability inherent in temperature regulation, without a corresponding sacrifice in performance.

OPERATIONAL-AMPLIFIER SUMMING NETWORKS

Precise, high-stability input and/or feedback networks. utilizing the same accurate resistance elements as described above, packaged for use with ultra-stable operational amplifier.

DIGITAL-ANALOG CONVERTER NETWORKS

TYPE DAC. The same high-quality, ultra-stable resistance components as employed in the Military Enviroment and Operational Amplifier networks above, coded and packaged for computer use.

•

PRIMARY STANDARD ABSOLUTE VOLTAGE REFERENCE

MODEL SCO-106. A compact, portable source of primary standard voltage, for absolute calibration of instruments and equipment to one part per million or better. Consists of three saturated standard cells (checked to 0.1 ppm, and certified to 1.0 ppm, by the Bureau of Standards), mounted in an enclosure whose temperature is regulated to 0.01°C, thus deriving full advantage from their excellent long-term stability characteristic. The enclosure heater requires only 8 watts (average) at 24 to 28 volts DC, enabling operation by battery during transportation, and eliminating the weeks of delay needed for restabilization.

•

PRECISION VOLTAGE-CURRENT POTENTIOMETER

MODEL PVC-504. A unique system for measuring or generating voltage or current at accuracies an order of magnitude better than conventional equipment. Usable as a primary-standard potentiometer, and as a source of precision-stabilized and calibrated voltage or current. Includes a Voltage Reference SCO-106, and Voltage Divider VDR-106, which can also be used separately (see above).

•

SECONDARY-STANDARD REGULATED VOLTAGE SUPPLY PVS–105

Instruments manufactured by Instrument Networks, Inc., an affiliate of J.R.L.

Resistors and Networks manufactured by Resistor Networks, Inc., an affiliate of J.R.L.

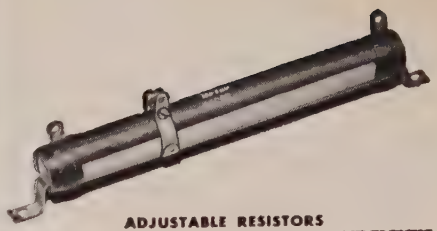
JULIE RESEARCH LABORATORIES, INC. 556 West 168th St., New York 32, N. Y. LOrraine 8-8700

TRU-OHM

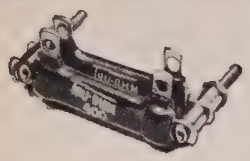
World's Largest Manufacturers of

RESISTORS

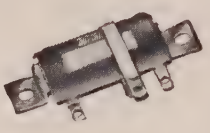
FIXED RESISTORS



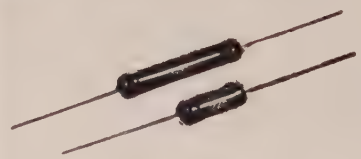
ADJUSTABLE RESISTORS



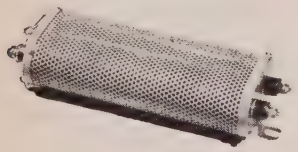
MIDGET OVAL RESISTORS



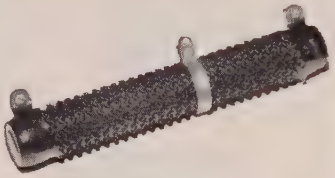
OVAL RESISTORS



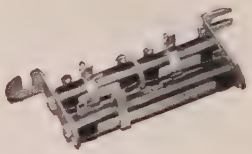
AXIAL LEAD RESISTORS



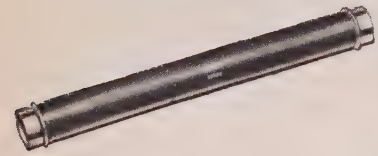
CAGED RESISTORS



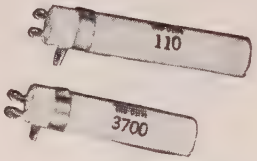
"TRU-RIB" RESISTORS



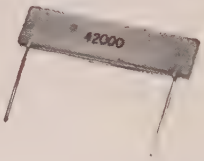
SPECIAL SIZE RESISTORS



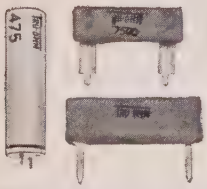
FERRULE TYPE RESISTORS



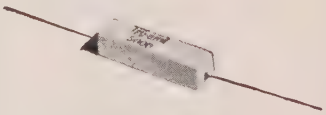
"VERTI-OHM" RESISTORS



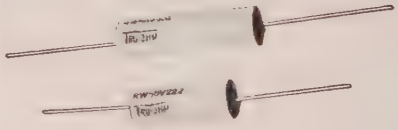
"ECONOHM" RESISTORS



PRINTED CIRCUIT RESISTORS



X-60 RESISTORS

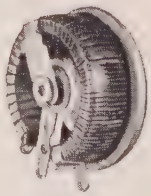


HEAVY DUTY AXIAL LEAD RESISTORS

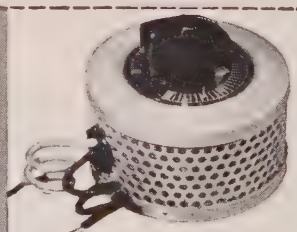
World's Finest Line of

POWER RHEOSTATS

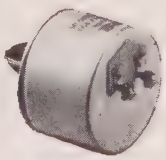
POWER RHEOSTATS



TAPER WOUND RHEOSTATS



CAGED RHEOSTATS



DUSTPROOF RHEOSTATS

360° RHEOSTATS

TANDEM ASSEMBLIES

TRU-OHM PRODUCTS

Division of Model Engineering & Mfg., Inc.

General Offices:
2800 N. MILWAUKEE AVE.
CHICAGO 18, ILL.

FACTORY:
HUNTINGTON,
INDIANA

Constantin GLASS-TO-METAL SEALS

YOUR "INSURANCE POLICY" FOR

RELIABLE OPERATION

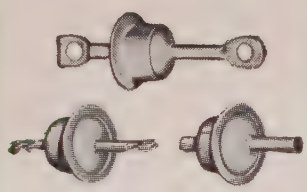
Wherever glass-to-metal sealing is needed to insure long life and continuously high performance, Constantin seals give your components a big bonus "premium" in endurance and protection.

Constantin's experienced research and production engineers have designed and manufactured thousands of different glass-to-metal seals for specific applications. Its complete research, design and manufacturing facilities . . . machine shops for die construction, stamping, wire cutting and forming . . . and separate glass shops . . . provide prompt action on any work order.

For any glass-to-metal electronics application where a positive, efficient, vacuum-tight seal is a critical need, Constantin can meet your technical specifications with a custom designed unit. Improve the quality of **your** components . . . "insure" their high performance by making Constantin seals a major part of your production "policy." Write today for complete details.

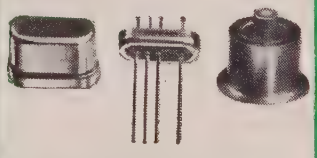
ALL-IN-ONE ASSEMBLIES

Constantin can design an original seal to meet the special needs of your equipment. All-In-One Assemblies come with different types of internal and external mountings, doing away with expensive subassemblies and costly production line operations such as hole stamping, brazing, soldering, mounting of seals, etc.



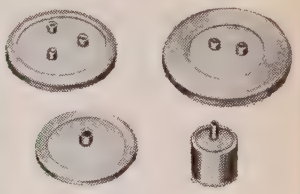
SINGLE TERMINALS

Extensive line of Single Terminals includes high compression and kovar types. Available Standard Pin types include pierced flats, hollow tubes, turret heads, tubulations with self-lugs, straight ends and cane or goose neck hooks.



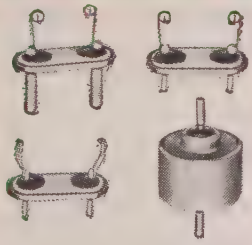
TRANSISTOR AND DIODE MOUNTS

For any soldering or welding application, Constantin has a complete line of Transistor and Diode Mounts which provide complete protection from moisture, dust, heat conditions and shock.



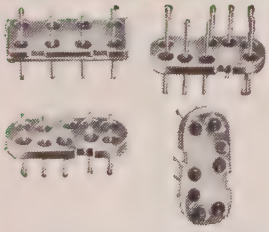
END SEALS

These quality units are designed and produced for electronic components which must stand up under extended operation . . . such as rectifiers, capacitors, resistors, delay lines, etc. Many different types and sizes are continually being developed to meet varying technical requirements.



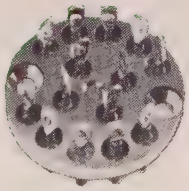
CRYSTAL BASES AND COVERS

Constantin's Crystal Bases and Covers are world-known and have been widely used for many years by components manufacturers. They meet all military specifications and can be manufactured in varying designs with standard and special crystal mounts.



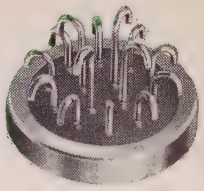
SUBMINIATURE RELAY HEADERS

Constantin's "custom packaged" miniature and sub-miniature relay headers save valuable production time — eliminate soldering, assembly and multiple procurement problems. Custom designed to your specifications, with important features — matching printed circuit and standard plug-in configurations — color coding — complete selection of mounting studs.



ALL-METAL HIGH COMPRESSION HEADERS

Special fusing techniques are used in the manufacture of Constantin's All-Metal Headers. Standard types find use in countless applications . . . in relays, transformers, thermostats and many others. If your technical specifications encompass a special unit, Constantin will design a seal for your equipment.



MULTIPLE HEADERS

Constantin's plug and standard type Multiple Headers are manufactured with precision by advanced engineering techniques. Their rugged construction enables them to withstand thermal shock and assure continuously reliable operation. Available in many standard configurations and special designs.

L. L. Constantin & Co. MANUFACTURING ENGINEERS

GENERAL OFFICES: ROUTE 46
LODI, NEW JERSEY

PLANTS: ROUTE 46, LODI, N. J. — 5TH AND CAPITOL STS. SADDLE BROOK, N. J.

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

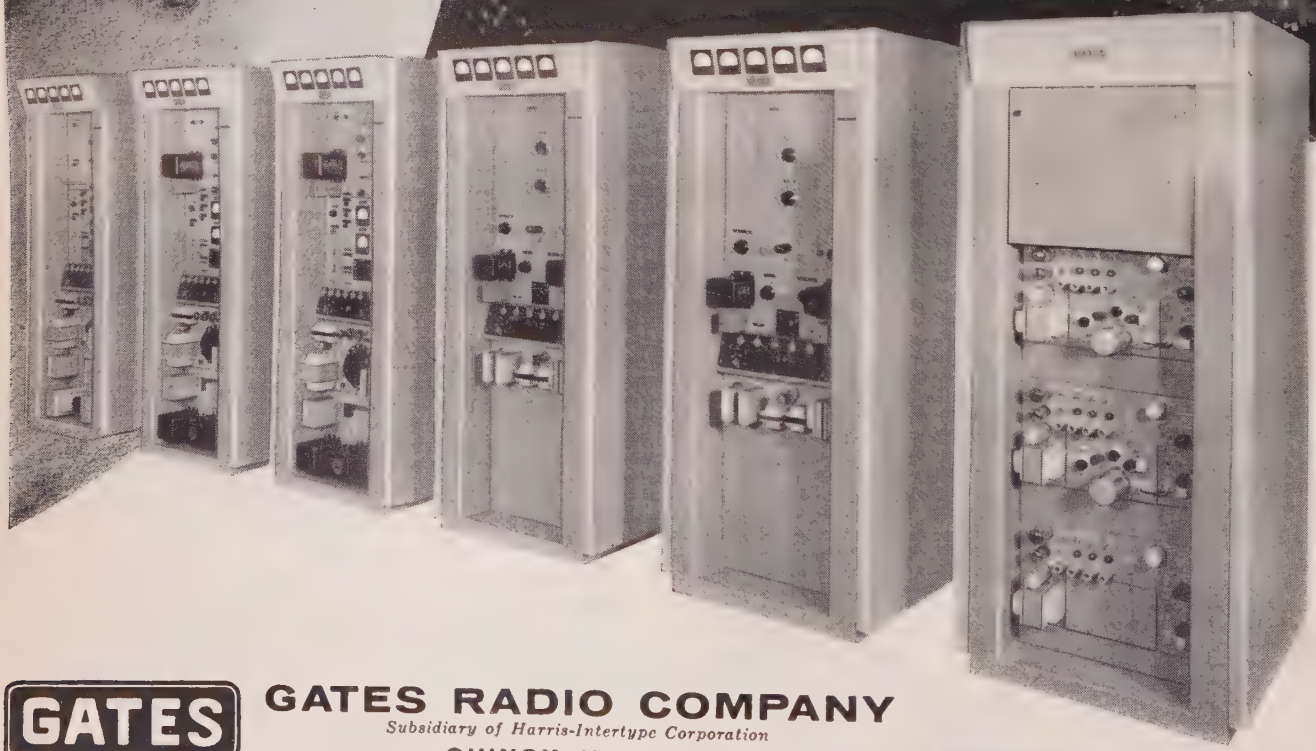
Precision Tracking Beyond The Ionosphere

With the advent of more powerful and longer range missiles traveling at much higher speeds came the need for a new tracking system . . . one with precise stability to measure the velocity and position of guided missiles in the regions of space beyond the ionosphere. The answer was the UHF UDOP system. UDOP transmitters manufactured by Gates are now in use tracking guided missiles far above the surface of the earth with exact precision.

In addition to UDOP, the Army Ballistics Missile Agency has also called on Gates to build VHF transmitters for the DOVAP system. Used in the same application as UDOP, but at altitudes below the ionosphere, Gates DOVAP transmitters are in operation at many of our country's missile testing sites.

Your inquiries regarding special projects for the military are invited. Let Gates demonstrate its ability to meet your most exacting requirements with speed and accuracy. Contact the Gates Government Contract Division today.

Shown below is the Gates M-5687 Radio Frequency Reference System (UDOP).



GATES

GATES RADIO COMPANY

Subsidiary of Harris-Intertype Corporation

QUINCY, ILLINOIS

Offices in:
HOUSTON, WASHINGTON, D.C.

International division:
13 EAST 40th STREET, NEW YORK CITY

In Canada:
CANADIAN MARCONI COMPANY

HARRIS INTERTYPE CORPORATION

SENSITIVE RELAY SELECTION IN EASY STAGES

The checkerboard below was designed to help you narrow down the field of *all* Sigma relays to the one or ones appropriate to *your* application, and to do so with a minimum of difficulty and mental gymnastics. From the left hand column, pick the main characteristics you are looking for in a relay, and read across to see which Sigma Series applies; then look these over to see what *further* characteristics the relays have. This will give you a clearer idea of which Relay Series you'd like to investigate further in the table of specifications and ratings on the following pages. Bear in mind, however, that the table can only list *ranges* available, in contrast to *all* values of *all* models in any given Series. A complete catalog covering standard adjustments in all these Series — as well as the other Sigma products shown on the last page — is available on request.

SIGMA RELAY SERIES

CHARACTERISTIC	4	5	6	7	11	22	23	26	32	33	41	42	51	61	72	73
AC operation		■			■						■	■				
DC operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
General Purpose	■	■		■	■	■		■			■	■				
"Commercial"	■	■			■			■			■	■	■	■		
Extra Sensitive (under 10 mw.)		■	■	■			■	■							■	■
High vibration immunity						■			■	■						■
High contact load rating													■	■		
High speed									■	■	■				■	
3-position, (polar) center stable (FORM X)			■	■			■								■	■
2-position, (polar) magnetically biased (FORM Y)			■	■			■			■				■	■	■
Polar, magnetic latching (FORM Z)			■	■					■					■	■	■
Extremely quiet (AC)		■			■						■	■				
Long life	■		■		■	■	■				■	■		■	■	
Miniature size						■		■								■
Subminiature, Missile									■	■						
Low cost					■						■	■				
Dry Circuit						■			■	■						

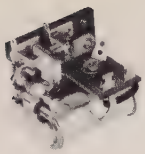
see back page for other electromagnetic devices

if you don't like tables . .

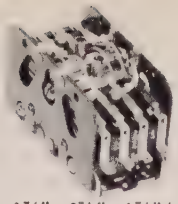
. . . and would rather just tell us what the relay has to do under what conditions, we will be glad to say exactly what we have for your requirement and what you can expect of it. In fact, this procedure would probably benefit all concerned even though you may have already narrowed the field by using the data in this folder. Competent "application engineering" saves everyone time, frequently prevents misunderstandings, and in general gets the job done to everyone's satisfaction. It will pay you not to overlook its advantages.

SIGMA INSTRUMENTS, INC. • 180 Pearl St., So. Braintree 85, Mass., U. S. A. • Tel. Victor 3-5000 — TWX BRA 1042

1⅝" x 1½" x 15/32" h.



1¾" x 15/16" x 1 11/16" h.



1⅞" x 3 7/16" x 1⅞" h.

1⅝" sq. x 2 9/16" h. above chassis

13/32" x 1 7/32" x 1 1/16" h.

1" sq. x 1¾" h. above chassis

1⅝" sq. x 2 9/16" h. above chassis

1⅞" x 1" x 1 1/16" h.

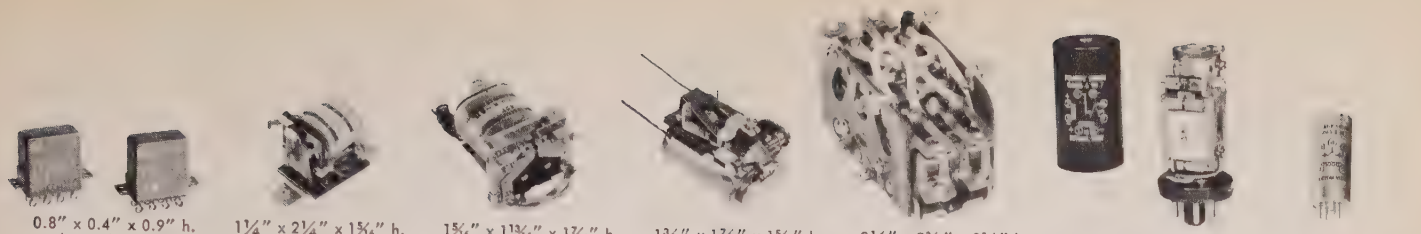
	4	5	6	7	11	22	23	26
Contact arrangement	SPDT	SPDT	up to 4PDT	SPDT	SPDT	SPDT, DPDT	SPDT, DPDT	SPDT
Contact rating (amps) at 28VDC/120VAC, resistive ad, for 100,000 operations	2.0	0.25–3.0	2.0 or 5.0	0.5-2.0	1 or 5	1 or 2	2.0	0.5–2.0
Coil arrangement	single	single or dual	single or dual	single or dual	single	single	single or dual	single
Switching form*	.....	.....	X, Y, Z	X, Y, Z	.....	.....	X, Y	.....
Operate sensitivity (mw. unless otherwise specified)	20 or 50	1–150	8–450	2.5–13	50 or 200 0.3 v-a. (60 cps)	12–40 SPDT 20–80 DPDT	6 or 12 SPDT 12 or 24 DPDT	4–20
Release sensitivity (mw. unless otherwise specified)	4 or 10	0.16–40	0.5–1.0	0.25–0.55	on-off	2.5–5.0 SPDT 5.0–10 DPDT	1 SPDT, 2 DPDT	1.2–5
l dissipation (for 40°C. rise unless otherwise specified)	1 watt	2 watts	1.6 watts	1 watt	1 watt	1 watt	1.4 watts	1 watt
Operate temperature (°C., in. & max. in Relay Series)	−55; +85	−55; +100	−55; +100	−55; +85	−20; +50	−65; +125	−65; +100	−55; +125
Mechanical life (no. operations; no load)	10^7	10^6	25×10^6	3×10^6	10^8	10^6	10^7	.....
Shock (non-operating)	75 g	500 g unenclosed 100 g others	75 g	100 g	75 g	100 g	75 g	100 g
Vibration, max. (10-55 cps)	10 g	15 g	10 g	10 g	10 g	15g to 500 cps 5g to 2000 cps	10 g	15 g
oil resistance range (ohms)	0.012-12000	0.10—26,000	10–25,000 single 5–12,000 dual	1–12,000 single 10–5,500 dual	4–9000	50–12,000	10–15,000 single 40–5,700 dual	50–12,000
Contact material available	silver, palladium, tungsten	silver, palladium	silver, palladium	silver, palladium	silver, palladium	silver, palladium, gold alloy	silver	silver, palladium gold alloy
Enclosure	unenclosed, dust cover, hermetic seal	unenclosed, dust cover, hermetic seal	unenclosed hermetic seal	dust cover hermetic seal	unenclosed	hermetic seal	hermetic seal	unenclosed hermetic seal
Mounting	screw, stud, plug-in	screw, stud plug-in	screw, stud	stud plug-in	screw	flange, stud plug-in	stud, plug-in	stud, screw
Connection	solder terminals plug-in	solder terminals plug-in	solder terminals	plug-in	solder terminals	solder terminals plug-in	solder terminals plug-in	solder terminals
Weight range (oz.)	2¼-4¼	4¼–7¼	10–14½	6–7½	1–1.3	3–3¼	8⅝	2–3
List price range	$6.05–12.65	$8.25–25.60	$25.30–43.70	$19.80–32.75	$1.75–3.05	$13.00–23.00	$52.20-63.00	$7.50-15.85

***See first page for explanation of Forms X, Y & Z**

NOTE: where ..... appears, data does not apply or is available by consulting factory.

SIGMA

SIGMA INSTRUMENTS, INC. • 180 Pearl St., So. Braintree 85, Mass., U. S. A.



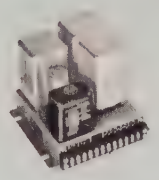
0.8" x 0.4" x 0.9" h. above chassis	1¼" x 2¼" x 1 5/16" h.	1 5/16" x 1 13/16" x 1 7/16" h. above chassis	1⅜" x 1⅞" x 1 5/16" h.	3½" x 2 3/16" x 2⅛" h.	1 7/16" dia. x 2⅝" h. above chassis	0.760" dia. x 1 11/16" h. above chassis	
32	**33**	**41**	**42**	**51**	**61**	**72**	**73**	
DPDT	DPDT	SPDT	DPDT	SPST-DB	DPDT	SPDT	SPDT	**Contact arrangement**
2.0	2.0	1–5	0.5–5	25 (25,000 operations)	20	0.5	1.0	**Contact rating (amps) at 28VDC/120VAC, resistive load, for 100,000 operati**
single or dual	single	single	single	single	single or dual	dual	single or dual	**Coil arrangement**
Z	Y	.....	.....	.....	Y, Z	X, Y, Z	X, Y, Z	**Switching form***
50 single coil 100 dual coil	200	32–200, 0.06–0.40 v-a (60 cps)	100 or 200 0.30 or 0.50 v-a (60 cps)	100	225–500	0.3–40	6–70	**Operate sensitivity (mw. unless otherwise specified**
.....	2	on-off	on-off	on-off	2.5	8	0.5 or 1	**Release sensitivity (mw. unless otherwise specified)**
0.5 watt: 50° rise-single coil, 55° rise—dual coil	0.5 watt, 50° rise	1 watt	1 watt	2 watts	1.6 watts	1.2 watts	1 watt	**Coil dissipation (for 40°C. unless otherwise specified)**
−65; +125	−65; +125	−55; +85	−55; +85	−20; +70	−55; +100	−55; +85	−55; +100	**Operate temperature (°C., min. & max. in Relay Serie**
5×10^6	5×10^6	10^9	.....	.....	.....	5×10^9	10^6	**Mechanical life (no. operations; no load)**
100 g	100 g	100 g	100 g	.....	75 g	.....	100 g	**Shock (non-operating)**
30 g to 5000 cps	30 g to 5000 cps	10 g (DC only)	10 g	.....	10 g	.....	10 g (to 500 cps)	**Vibration, max. (10-55 cps**
1.3—30,000 single coil 10—6,800 dual coil	1.3–30,000	0.012–12,000	0.012–14,000	4–16,000	50–25,000 single 50–10,000 dual	0.1–17,000	1,000–7,000 single 500–5,000 dual	**Coil resistance range (ohm**
silver gold alloy	silver gold alloy	silver, tungsten, palladium, gold alloy	silver, palladium	silver	silver alloy	silver, tungsten copper-palladium, gold alloy	silver	**Contact material available**
hermetic seal	hermetic seal	unenclosed, dust cover, hermetic seal	unenclosed, dust cover, hermetic seal	unenclosed	unenclosed hermetic seal	dust cover hermetic seal	hermetic seal	**Enclosure**
flange, stud, plug-in	flange, stud, plug-in	screw, stud, plug-in	stud, plug-in	screw	screw, stud	stud, plug-in	flange, plug-in	**Mounting**
solder terminals plug-in	solder terminals plug-in	solder terminals plug-in	solder terminals plug-in	solder terminals	screw terminals solder terminals	solder terminals plug-in	solder terminals plug-in	**Connection**
18 grams	18 grams	2½–5¼	2½–5¼	3¼	10 or 15	3½ or 4	1.6	**Weight range (oz.)**
$23.00–30.00	$23.00–30.00	$3.50–11.20	$4.60–14.70	$10.80–11.40	$22.50–33.15	$33.00–50.05	$20.35–38.25	**List price range**

SEE PRECEDING PAGE FOR GENERAL SELECTION GUIDE. OTHER SIGMA PRODUCTS DESCRIBED ON FOLLOWING PAGE.

SIGMA INSTRUMENTS, INC. • 180 Pearl St., So. Braintree 85, Mass., U. S. A.

other electromagnetic devices . . .

for current, voltage or resistance comparisons . . . microwatt sensitive



Series 8200 Magnetic Amplifier Relay responds to the polarity of DC inputs as low as 0.1 microwatt, yet performs dependably in continuous duty switching. Especially useful in controlling or monitoring temperature, light intensity, radiation level, pressure, vacuum, line voltage, etc. Standard units contain reactor, auto-transformer, rectifier and one or two relays; special models available with bias and desensitizing controls, multiple wound coils, isolation transformer, etc., and with sensitivity as high as 0.02 microwatt. Energizing voltage—120 volts, 60 cps. See "in development", below.

reliable, simple, low-cost photoelectric control

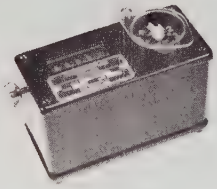
Series 8 Photorelays combine a Sigma relay with a hermetically sealed photocell in a single, convenient plug-in package. Model 8RC01A is for "light—no light" applications (operate 5 f-c, release 0.1 f-c); Model 8RS01B for sensing slowly changing light sources (operate 35 f-c, release 0.4 f-c). Both have a Type 41 SPDT AC relay and broad area CdS photocell. Will switch 3 amp. resistive loads, at least two times per second. Other relay-photocell combinations are possible.

for converting DC pulses or AC into shaft rotations . . . up to 400 steps per second

Single Rotation — Reversible Rotation

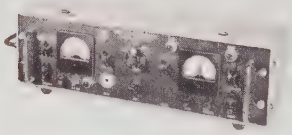
*Series 9A Cyclonome** is a stepping or impulse motor; pulse or impulse counter; digital positioner. It resembles a synchronous motor, but due to small inertia and high torque, it stops each half-cycle up to 400 steps per second (200 cps). Operates on magnetic reversals. Magnetic detent—no ratchets or pawls. The only moving part is a rotor with no windings. Typical applications are as positional servomotor, high speed counter or stepping switch, self-checking digital readout. See "in development", below.

8000 counts per minute



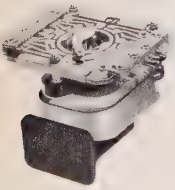
*The Series 9B Cyclonome *Pulse Counter* employs the novel magnetic stepping motor described above which drives a 6-figure Veeder-Root register through a Nylon worm. Input must be alternating current (literally or effectively) to produce a reversing magnetic field. Size 2¼" x 3" x 4¾"; bench or panel mounting.

for checking, adjusting high speed polar relays



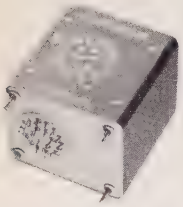
The Series 4500 Relay Test Set is a useful device for inspection and adjustment of such relays as Sigma Series 7 and 72, Western Electric 215 and 255A, Carpenter, and Siemens & Halske telegraph relays. Measures trip (operate) currents manually or automatically, bias and break time under operating conditions, insulation level. Self-contained, easily serviced, mounts in relay rack or portable case.

in development . . .

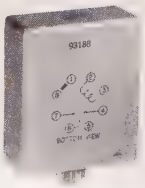


"Cycloswitch"

Digital Readout



Series 8300



While these devices are not yet in production, brief descriptions may prompt further interest and hasten their availability. *Series 9C "Cycloswitch"* is a 10 and 20-position rotary stepping switch consisting of a Cyclonome* Stepping Motor (above) and flush printed circuit switches. True digital behavior up to 240 steps per second, max. (12 rps). Various combinations of decks and wiper arms possible. With arc suppression, life is 25 million revolutions or more with light loads. Current carrying capacity — 250 VDC, 1.5 amp. *The Series 9D Digital Readout* consists of a number display drum driven by a Cyclonome* Stepping Motor (above). For use in computers and other equipment requiring accurate digital display. Readout selector code, similar to 68-B Teleregister Code, uses 5 code wires for 10 positions and a sixth wire for 11th or blank position. Other codes possible. Display drum advances one position for each full AC cycle or each DC pulse. Requires approx. 4 watts max., no stand-by power consumed; life 20 million indications, min. *Series 8300 Magnetic Amplifier Relay* is similar to Series 8200 (above) but for 400 cycle operation. Sensitivity 0.2 microwatt, single coil; 0.5 microwatt, dual coil. Energizing voltage 120 volts, 400 cycles. All components potted for maximum immunity to vibration, shock and thermal expansion. *Series 8000 Thermistor Temperature Control* (not shown) is essentially a Series 8200 Magnetic Amplifier Relay (above) with a built-in power supply. User adds suitable thermistor and rheostat to monitor temperature changes. Differential sensitivity ranges from 0.1°C to 1°C. Requires 30 ma. at 120 volts, 60 cps. Available with or without slave relay. *Series 30* is a 3-position, SPDT, subminiature polarized relay. Freely rotating shorting element (armature) is held or moved entirely by magnetic forces. Sensitivity 50 mw.; vibration 35 g to 5000 cps.; .47" x 63" x .80" max. *Series 111* is an SPDT high-release, voltage adjustment relay for monitoring and controlling voltages in automatic battery chargers, power supplies, etc. Release can be adjusted up to 95% of operate voltage; 6, 12 or 24-volt operation. Information on these units on request.

*Registered TM

SIGMA

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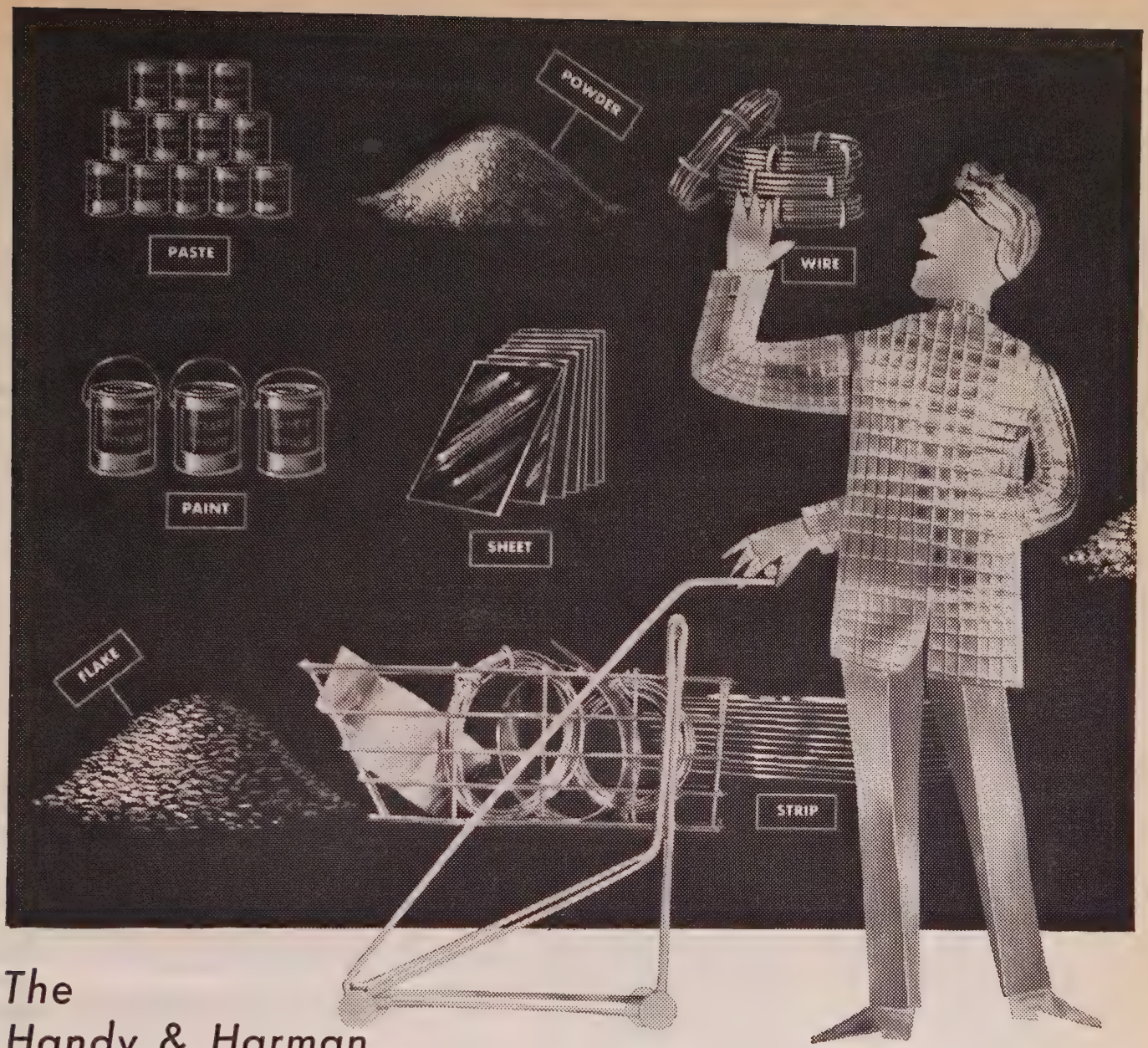
180 Pearl St., So. Braintree 85, Mass., U. S. A.
AN AFFILIATE OF THE FISHER-PIERCE CO. (Since 1939)



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Silver, in many forms and alloys, is a necessity in the electronics and electrical industries. To meet this need on a high quality level, Handy & Harman manufactures powder, flake, paint, paste, sheet, strip, wire, etc., for printed circuits, wiring, resistors, condensers, thermistors, contacts, printed terminal strips on glass, ceramics, plastic laminates, etc.

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FREQUENCY STANDARDS — 50 DIFFERENT MODELS

ANY FREQUENCY • ANY POWER OUTPUT • ANY SIZE

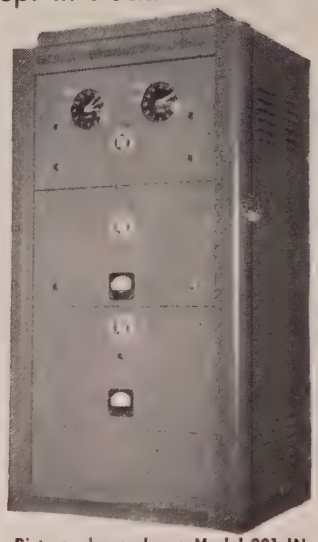
Frequency stability up to 5 parts in 10^{10}. Most models are kept in stock.

The picture shows the front panel of Model 67.

Specifications: Stability 1 part in 10^7. Input voltage 95 to 135 volts. 60 cps (Sola Power Transf.). Output voltage 50 volts across 10,000 ohms.

Model 71 is similar but has a 10-watt, 115 volts power output.

Specifications: Stability 1 part in 10^7. Input voltage 95 to 135 volts, 60 cps (Sola Power Transf.). Output 115 volts, 10 watts.



Model 304 Transistorized Frequency-Time Standard is provided with a time-of-day clock with hour hand, minute hand, and seconds hand. The required input is 24 volts d-c. 2 amps. Output 115 volts, 25 watts.

50 other models of FREQUENCY STANDARDS

1. SUBASSEMBLIES: Models 52, 54, 56, 124, 126 and many others not listed here.
2. GENERAL PURPOSE UNITS: Models 61, 63, 65, 67, 128
3. MOTOR AMPLIFIERS: Models 71, 101-6L6, 103, 104, 119, 140, 141, 200-IN, 201-IN.
4. FREQUENCY MEASUREMENT UNITS: Models 105, 110, 111, 129, 138
5. TIME KEEPING UNITS: Models 25L6B, 35L6B, 103, 104, 110, 111
6. FREQUENCY DIVIDERS: 107, 115, 117, 130
7. TRANSISTORS STANDARDS: Models 73, 301, 302, 303, 304, 305, 306
8. CRYSTAL CLOCKS FOR SIDERAL TIME
9. Miniature standards for missile applications.

Picture above shows Model 201-IN 250 watt frequency controlled inverter.

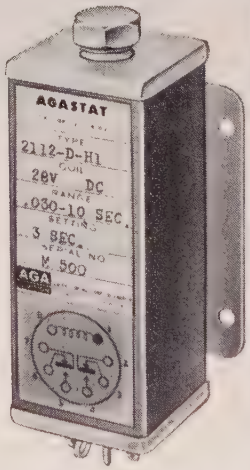
See also our ads in the Polaris 1959 and Electronic Engineers Master, 1960 Edition

ERNST NORRMAN *LABORATORIES*

WILLIAMS BAY, WISCONSIN TEL. CIrcle 5-5516

DESIGN TIMING RELIABILITY INTO YOUR CIRCUITS

specify...



NEW MINIATURE AGASTAT®

time/delay/relays

- *Recycling* virtually instantaneous—less than .020 seconds
- Unaffected by Voltage fluctuations (from 18 to 32 volts DC)
- Repeat Accuracy ±5%

This new AGASTAT meets the environmental requirements of MIL-E-5272A. Built to withstand the rugged conditions of missile and aircraft applications. Lightweight—less than 15 ounces. Space saving—4⅝" tall . . . 1 13/16" wide . . . 1½" deep. Adjustable, with time delays from .030 to 120 seconds. Choice of operation for energizing or de-energizing. For complete specifications, write Dept. A37-423.

AGASTAT TIMING INSTRUMENTS

ELASTIC STOP NUT CORPORATION OF AMERICA
1027 NEWARK AVENUE, ELIZABETH 3, NEW JERSEY

NEW FROM NELCO . . .

two new glass-fabric epoxy laminates for electrical and electronic dielectric applications.

NELCO 105 **NEMA G-10**
A self-extinguishing MIL-Grade GEE with excellent mechanical and electrical properties;

NELCO 110 **NEMA G-11**
MIL-Grade GEB, combining high-temperature flexural strength with excellent electricals.

Send for complete technical data on these two new epoxy-glass laminates. They're available now in standard thicknesses and sheet sizes — unclad — or clad in standard weights of copper one or both sides.

Need plus features — like half-ounce copper? or special-color epoxy? Nelco can do! See our listings in Sweet's 1960 Product-Design File; or write for catalog today, to

NEW ENGLAND LAMINATES CO., Inc.
Box 43-EB Stamford, Conn.
(203) DAvis 4-4181
TWX STM 495

Chromel-R—A modified 80-20 nickel-chromium alloy for use in potentiometers and precision wire wound resistors. Possesses resistivity of 800 ohms/cmf at 20° C., temperature coefficient controlled within 0 ± 10 ppm/°C., exceptional linearity and stability from —65° to +150° C.

Chromel-P/Alumel—The world's standard base metal thermocouple combination for measuring operating temperatures in laboratory and heat treat furnaces—jet engines, nuclear reactors. Accuracy is guaranteed to close specified limits over the entire range from —300° to +2300° F.

Chromel-A—The original 80-20 nickel-chromium resistance alloy that first made electric heating practical. Widely used in major appliances, industrial furnaces and many other devices requiring heating elements capable of operating up to 2150° F. under adverse conditions.

Alloy 815-R—A lower density, higher resistivity iron-chromium-aluminum resistor material that gives you 14% more ohms per pound. Noted for strength, ductility, resistance to wear and corrosion. Resistivity: 815 ohms/cmf at 20° C. Temp. Coeff.: 0 ± 10 ppm/° C. from — 65° to +150° C.

Chromel-P/Copel-XM—A basic thermo-electric alloy combination used primarily as thermopiles to actuate and control operating temperatures of domestic furnaces, hot water heaters, stoves, ranges and other types of heating equipment. Noted for accuracy and reliability in service.

Chromel-AA—A new modified 80-20 type nickel-chromium resistance alloy developed especially for use in controlled atmosphere furnaces. It is highly resistant to corrosion, carburization, oxidation and "green rot" over the entire range of operating temperatures up to 2150° F.

Copel—A 55-45 copper-nickel alloy for use in edge-wound resistors, rheostats, motor starters and many other types of devices where operating Temperatures do not exceed 1000° F. Has resistivity of 294 ohms/cmf at 68° F., low temperature coefficient and exceptional mechanical stability.

Hoskins Cunife—A new improved copper-nickel-iron ductile permanent magnet alloy. Possesses high coercive force and energy product values, greater uniformity. Readily stamped, machined or otherwise formed by conventional methods for economical production of close tolerance parts.

Chromel-C—A 60-16 nickel-chromium-iron alloy used primarily as heating elements in small domestic appliances and other devices that require high resistance in limited space for operating temperatures up to 1700° F. Also used as cold resistor alloy in current-temperature controls.

Unsurpassed for uniformity, performance, reliability

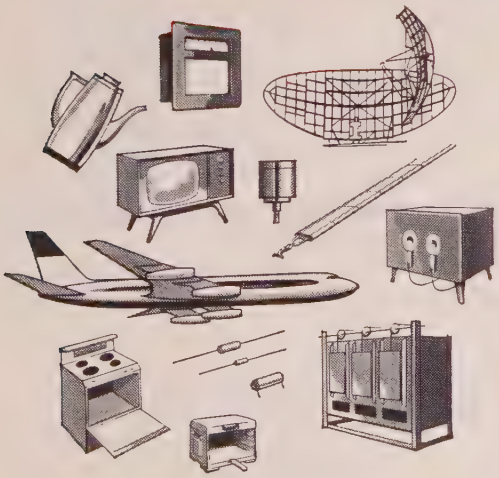
HOSKINS Custom Quality ALLOYS

Chromel-D—A time proven low nickel heating element alloy developed for use in controlled atmosphere furnaces required to operate in the critical temperature range between 1500° and 1800° F. It is highly resistant to corrosion, possesses exceptional mechanical stability.

Alloys 815, 835 and 875—Three superior iron-chromium-aluminum resistance alloys for use at operating temperatures up to 2150°, 2250° and 2350° F. respectively. Suitable for certain types of appliances, industrial furnaces and kilns where proper supports can be provided.

DETAILED TECHNICAL DATA on these and other Hoskins Custom Quality Alloys are yours for the asking. Hoskins metallurgical research, development and customer engineering services are also available to help you solve special design and application problems. Write or call today!

For Electrical Resistance, Resistor, Thermo-Electric and Magnetic Applications



Developing and producing custom quality alloys is a specialty at Hoskins—and has been for over 50 years. Some, like Chromel-A, have been responsible for the birth and growth of entire industries. Others have made possible many technological advancements in the design and performance of countless different end-products.

Regardless of their application, however, of this you can be sure: Each in its particular field is unsurpassed for uniformity, durability and reliability in service—developed and produced especially to help make your products better!

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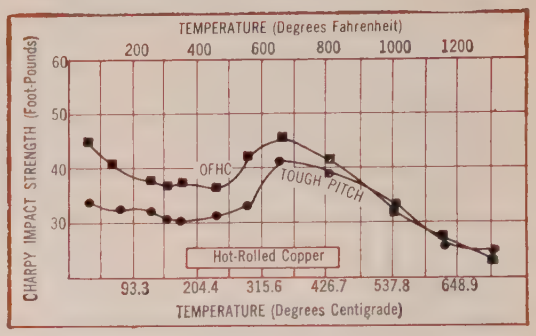
Producers of Custom Quality Alloys for Industry since 1908

THREE UNCONVENTIONAL COPPERS...

1 HIGH CONDUCTIVITY AND FORMABILITY

OFHC Brand Copper: Conductivity of over 100% IACS...Excellent hot and cold formability...Immunity to hydrogen embrittlement...Soundness and high density...Low volatility under high vacuum...Adherent oxide scale.

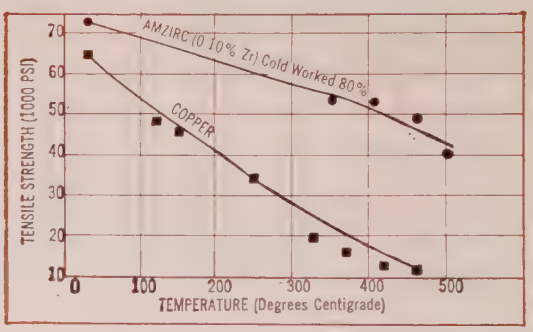
IMPACT RESISTANCE OF OFHC AND TOUGH PITCH COPPER



2 HIGH CONDUCTIVITY AND HIGH STRENGTH AT HIGH TEMPERATURES

AMZIRC Brand Zirconium-Copper Alloy: Room temperature conductivity of over 90% IACS ...Retains strength at elevated temperatures: 52,000 psi at 400°C...Good notch toughness...Transverse properties equal to longitudinal...Hardness...Exceptional hot and cold workability.

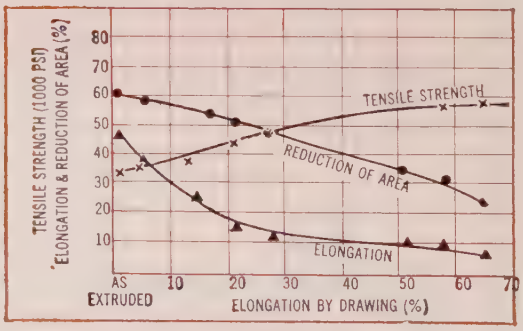
TENSILE STRENGTH AT VARIOUS TEST TEMPERATURES



3 HIGH CONDUCTIVITY AND MACHINABILITY

AMSULF Brand Sulfur-Copper Alloy: Conductivity of 96% IACS...Machinability rating of 90...Freedom from hydrogen embrittlement...Good hot and cold workability.

RELATIONSHIP OF ELONGATION, REDUCTION OF AREA, AND TENSILE STRENGTH



AMCO's Unconventional Coppers are available in rod, wire, strip, sheet, extruded, and forged forms from leading fabricating mills. For applications-engineering assistance, contact AMCO's Technical Service Section.

AMCO DIVISION

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G-V thermal relays

...from the leader in the field

R SERIES TIME DELAY RELAYS

- Metal sheathed heaters
- Hermetically sealed, still adjustable
- Meet military requirements
- Miniature Flanged, Miniature Plug-in or Octal Size

For time delays of 5 to 300 seconds.

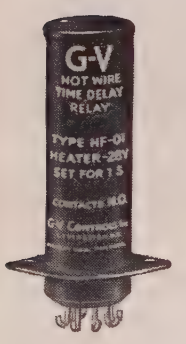
Heater voltages up to 230 volts AC or DC.

T SERIES TIME DELAY RELAYS

- Ribbon heaters
- Medium delays—faster recovery
- Hermetically sealed, still adjustable
- Meet military requirements
- Miniature Flanged, Miniature Plug-in or Octal Size

For time delays of 2 to 12 seconds.

Heater voltages up to 160 volts AC or DC.



H SERIES TIME DELAY RELAYS

- Hot wire heaters
- Short delays—rapid recovery
- Hermetically sealed, still adjustable
- Meet military requirements
- Miniature Size, Flanged or Plug-in

For time delays of 1/10 to 5 seconds.

Heater voltages up to 32 volts AC or DC.

LT SERIES SUBMINIATURE THERMAL TIMING RELAY

- Subminiature size
- 40% seated height of miniature
- Flanged—solder terminals
- Hermetically sealed
- Meets military requirements

For time delays of 2 to 75 seconds.

Heater voltages 6.3, 28 and 115 Volts.

RED LINE THERMAL TIMING RELAY

- The low cost timing relay
- Rugged, steel sheathed heater
- Shatter-proof—no glass
- Dust tight metal enclosure
- Tamper proof
- Factory preset
- Octal size
- Available from stock

Stock Time Delays: 2, 5, 10, 20, 30, 45, 60, 90, 120 and 180 seconds.

Stock Heater Voltages: 6.3, 26.5, 115 and 230 volts.

VOLTAGE & CURRENT SENSING RELAYS

- For overload protection, voltage regulation, over-voltage cut off, under voltage alarm, low frequency cut off, battery charge control
- Available in R, T and H Series, Miniature Size—Flanged or Plug-in
- Heater voltages from 2 to 230 volts
- Heater currents from .015 to 5 amps
- Heater resistances from 1 to 12,000 ohms

ELECTRICAL THERMOSTATS

- Hermetically sealed, still adjustable
- Fast response to temperature change
- Bracket, flanged or pipe plug mounting
- Vibration up to 2,000 cycles per second
- Accurate repeatability

Operating temperatures from —65° to +300°F.

Contact ratings to 1,000 watts.

Write for complete technical information.

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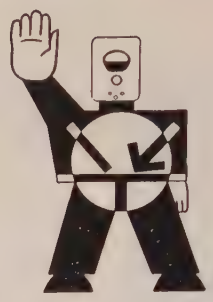
SEMICONDUCTORIZED POWER SUPPLIES

Power Designs' *Semiconductorized* Power Supplies utilize the unique properties of semiconductor devices to create new circuit concepts achieving performance, efficiency and reliability hitherto unattainable.



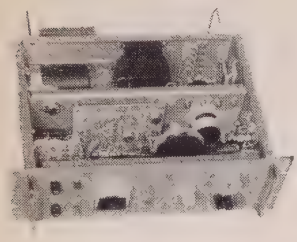
Protected by HEATRAN •
VOLTRAN •
ROBOTEC •

ROBOTEC*® is an inherent electronic circuit producing simultaneous voltage and current cutoff upon external short circuit. The "ROBOTEC" circuit operates in 30 microseconds holding the power supply cut off until manually reset and reducing line input power to a negligible value. If an external short circuit exists the power supply cannot be turned on.

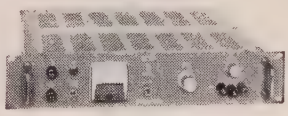
HEATRAN† is a transistorized circuit continuously monitoring dissipation in the series power transistors of the regulator system. Dissipation above a preset maximum value is automatically transferred into external vitreous enamel resistors extending from the rear of the equipment in a perforated metal cage. "HEATRAN" thus permits fewer transistors for a given power supply capacity, more compact equipment with increased reliability and practical convection cooling.

VOLTRAN† is a transistorized circuit continuously monitoring the voltage drop in the series power transistors of the regulator system. Voltages above a preset maximum are instantaneously absorbed thus protecting these transistors against line and load transients and permitting more conservative voltage derating.

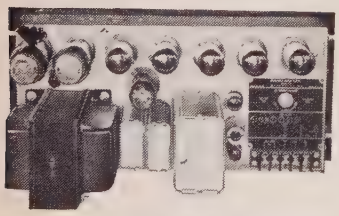
*U.S. PATENT PENDING
†U.S. PAT. APPLIED FOR

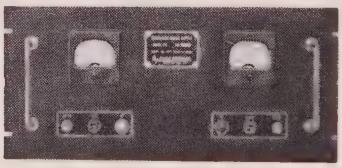


RACK MODELS



Transistorized Power Supplies are available in rack models with extended ranges up to 500 vdc and 50 amperes.





VACUUM TUBE POWER SUPPLIES

Featuring

- .05% regulation for load or line variations
- 500 microvolts ripple
- 50 microseconds response time
- 10-turn voltage controls for minimum noise
- Karma (20-PPM) wire wound, low t.c. error sensing resistors
- 50 hour pre-aging
- Meters included in feed back loop for low low output impedance
- Separately fused line and load circuits
- Separate AC and DC switches
- JAN quality components
- Input: 105-125 v. 55-65 cy. single phase
- 28 Models available from stock

MODEL 4005
1-40VDC•0-0.5A
25 to 500 Milliamperes
$143.50

MODEL 1515
1-15VDC•0-1.5A
$159.50

MODEL 1515A
1-15VDC•0-1.5A
$174.50

MODEL 3206
1-32VDC•
0-600MA
$174.50

MODEL 2050
1-20VDC•5A
$289.50

MODEL 1210
1-12VDC•0-10A
$349.50

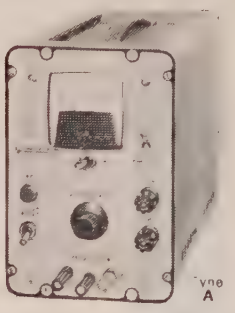
MODEL 1010T
1-100VDC•0-1A
$374.50

MODEL 3240
1-32VDC•0-4A
$349.50

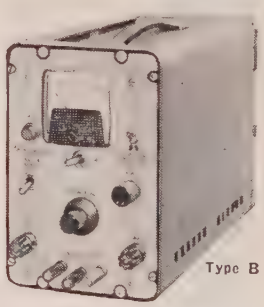
MODEL 105TA
1-100VDC•
0-500MA
$239.50

MODEL 5015
1-50VDC•0-1.5A
$249.50

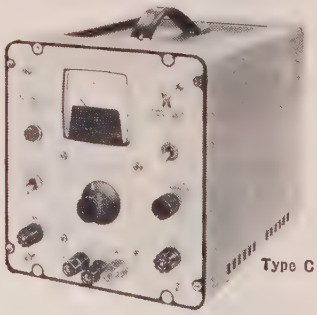
Dual Voltammeter on all models. Voltmeter only on model 1515



Type A



Type B



Type C

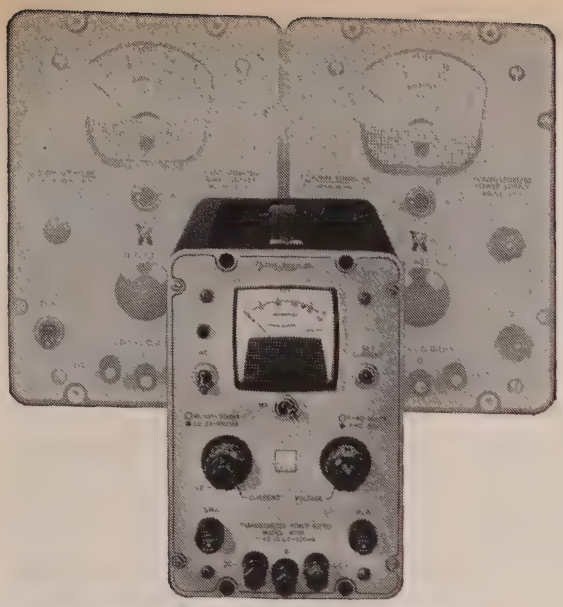
INPUT: 105-125VAC 55-440 Cy
REGULATION: .05%
RIPPLE: Model 1515, 1515A: 250 Microvolts
ALL Others—1.0 Millivolt
Internal Imp: Model 2050, 1210, 1010T, 3240; .005 ohms
All Others—.01 ohms

Rack Panel Adapters for Types A and B: Single Model RRA-15 $15.50, Dual Model RRB-15 $15.50. Rack Panel Adapters for Type C: Single Model RRA-20 $17.50, Dual Model RRB-20 $17.50. **F.O.B. Westbury, N. Y. Terms, ½% 10. Net 30 days. Price subject to change without notice. Input: 105-125 v. 55-440 cy. 1φ

Recognized Reliability

Power Designs inc.

1701 SHAMES DRIVE, WESTBURY, N. Y.
Phone: EDgewood 3-6200



CONSTANT VOLTAGE
CONSTANT CURRENT

FROM THE SAME TERMINALS!

The Power Designs Inc. Model 4005 Power Supply adds a new dimension to the application of d-c sources for laboratory instrumentation. Truly universal, the Model 4005 may be operated as a *constant voltage* source, a *constant current* source, a *constant voltage* source with *automatic current limiting* or a *constant current* source with *automatic voltage limiting.*

The Model 4005 employs semiconductor devices exclusively in a new proprietary circuit called.....

AMBITROL* is a dual regulator system permitting continuous control of voltage or current with automatic electronic cross-over to either mode of operation.

The supply also features remote voltage programming, dual concentric controls for both coarse and fine adjustment of voltage or current and the HEATRAN® circuit for electronic control of power transistor dissipation.

*TM applied for.

† $143.50 F.O.B. FACTORY

AMBITROL V-I

MODEL 4005 SPECIFICATIONS

INPUT: 105-125 volts, 55-440 cycles single phase.
TEMPERATURE: Continuous duty at full load 0-50° C. ambient.
POLARITY: Positive or negative output terminal may be grounded.
DIMENSIONS: 5¾" W x 8⅝" H x 11¾" D.

CONSTANT VOLTAGE

Range: 1-40 vdc, 0-0.5 amperes.
Regulation: .05% or 10 millivolts max. for line or load variations.
Ripple: .001% or 500 microvolts max.
Response Time: Less than 50 microseconds.
Source Z: 0.1 ohms to 20 kc, 0.5 ohms to 1 mc.

CONSTANT CURRENT

Range: 25 to 500 milliamperes.
Voltage compliance: Output current constant to full rated output voltage of 40 volts.
Regulation: 0.05% or 250 microamperes max., for line or load variations.
Ripple Content: .01% or 25 microamperes max.
Source Impedance: 100,000 ohms approx.

†Prices subject to change without notice.

Power Designs inc.

EDgewood 3-6200 (Long Distance Area Code 516)

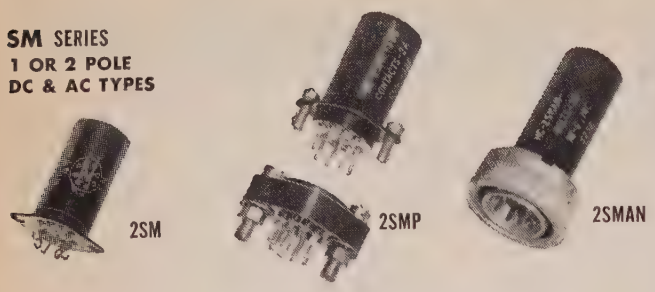
1700 SHAMES DRIVE
WESTBURY, L. I., N. Y.

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

HI-G SHOCK-RESISTANT RELAYS

SM SERIES
1 OR 2 POLE
DC & AC TYPES



DC TYPES	AC TYPES	NOTES
SM	SMR	Std. Hi-G sub-miniature in can .635 dia. x 1¼ high. 8 hook terminals.
SMP	SMRP	Same as above except straight pins for plug-in, Relay socket available from HI-G.
SMAN	SMANR	Employs AN type connector (8 terminal) total length of unit 1⅞''.
SMA	SMAR	Adaptation of SM to obtain 8 equally spaced hook terminals. 1½'' can.
SMAP	SMARP	Same as SMA except header for 7 pin miniature tube socket, or header for 9 pin noval tube socket.

SPECIFICATIONS:

CONTACTS: SPDT or DPDT, Standard rating 2 amps resistive at 115 V AC or 28 V DC. Dry circuit and other special contacts also available.

COIL: Up to 5K. AC units have ½ or full-wave diode bridge rectifier mounted internally for use over wide frequency range.

COIL VOLTAGE: Up to 115 volts.

SENSITIVITY AT PULL-IN: 700 mw standard, for standard vibration, shock and contact ratings. Sensitivity changes as ratings change.

VIBRATION: 5-2000 cps at 20 G, standard.

SHOCK: 50 G, 11 ms operating, standard.

TEMPERATURE RANGE: —65°C to +125°C, standard.

SL SERIES
1 TO 4 POLE
DC & AC TYPES

DC TYPES	AC TYPES	NOTES
SL	SLR	Std. Hi-G minature unit in can 1.076'' dia. by 1½'' high. Hook terminal.
SLP	SLRP	Same as SL units, except straight pins for plug-in, Relay socket available from HI-G.
SLAN	SLANR	AN connector (size 20 shell). Total length of unit 3-3/16''.

SPECIFICATIONS:

CONTACTS: 1 to 4 pole form C. Standard rating 3 amps resistive at 115 V AC or 28 V DC. Dry circuit and other special contacts also available.

COIL: Up to 25K, standard. AC units have ½ or full-wave diode bridge rectifier mounted internally for use over wide frequency range.

COIL VOLTAGE: Up to 350 volts.

SENSITIVITY AT PULL-IN: 700 mw standard, for standard vibration, shock and contact ratings. Sensitivity changes as ratings change.

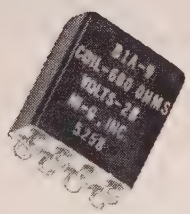
VIBRATION: 5-2000 cps at 20 G, standard.

SHOCK: 50 G, 11 ms operating, standard.

TEMPERATURE RANGE: —65°C to +125°C, standard.

B SERIES

CRYSTAL CAN



DC TYPE	AC TYPE	NOTES
B	BR	Terminals on .200 centers for grid-board application.

SPECIFICATIONS:

CONTACTS: SPDT or DPDT, Standard rating 2 amps resistive at 115 V AC or 28 V DC. Dry circuit and other special contacts also available.

COIL: Up to 5K. AC units have ½ wave diode rectifier mounted internally for use over wide frequency range.

COIL VOLTAGE: Up to 115 volts.

SENSITIVITY AT PULL-IN: 300 mw standard, for standard vibration, shock and contact ratings. Sensitivity changes as ratings change.

VIBRATION: 5-2000 cps at 20 G, standard.

SHOCK: 50 G, 11 ms operating, standard.

TEMPERATURE RANGE: —65°C to +125°C, standard.

HEADER STYLES — hook, plug-in, 1.5'' leads and 3'' leads.

ENCLOSURE STYLES — 5 standard mounting configurations including bracket, strap, and stud styles.

E SERIES

DC TYPE	AC TYPE	NOTES
E	ER	In can approx. 1'' cube.
EP	ERP	Plug-in version of E, ER.
ES	ESR	More sensitive version of E, in can 1¼'' high.
ESP	ESRP	Plug-in version of ES, ESR.
ESS	ESSR	Most sensitive of "E" series, in can 1½'' high.
ESSP	ESSRP	Plug-in version of ESS, ESSR.

SPECIFICATIONS:

CONTACTS: SPDT or DPDT, Standard rating 2 amps resistive at 115 V AC or 28 V DC. Dry circuit and other special contacts also available.

COIL: E, ER to 5K. ES, ESR to 10K, ESS, ESSR to 15K. AC units have ½ or full-wave diode bridge rectifier mounted internally for use over wide frequency range.

COIL VOLTAGE: Up to 115 volts.

SENSITIVITY AT PULL-IN: E, ER — 700 mw. ES, ESR — 360 mw. ESS, ESSR — 120 mw. Standard sensitivities for standard vibration, shock and contact ratings. Sensitivity changes as ratings change.

VIBRATION: 5-2000 cps at 20 G, standard.

SHOCK: 50-G, 11 ms operating, standard.

TEMPERATURE RANGE: —66°C to +125°C, standard.

S & R SERIES

DC TYPE	AC TYPE	NOTES
S	R	Std. Hi-G miniature unit in can 1.076 dia. x 1-15/16'' high, hook terminals.
SP	RP	Plug-in version of S, R. Sockets available from Hi-G.

SPECIFICATIONS:

CONTACTS: 1 to 4 pole, form C. Standard rating 4 amps resistive at 115 V AC or 28 V DC. Dry circuit and other special contacts also available.

COIL: Up to 25K standard. AC units have ½ or full-wave diode bridge rectifier mounted internally for use over wire frequency range.

COIL VOLTAGE: Up to 350 volts.

SENSITIVITY AT PULL-IN: 700 mw standard, for standard vibration, shock and contact ratings. Sensitivity changes as ratings change.

VIBRATION: 5-2000 cps at 20 G, standard.

SHOCK: 50 G, 11 ms operating, standard.

TEMPERATURE RANGE: —65°C to +125°C, standard.

ANNOUNCING New Hi-G catalog #259, includes complete specifications on all Hi-G relays, plus reference data on life versus contact current, shock and vibration. Write Hi-G, INC. for your free copy now, or see your local representative.

NEW — Now Hi-G manufactures a new Electronic Time Delay Relay. Send for complete information.

BALANCED Hi-G ROTARY

HI-G, INC.

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Marvelous new "eyes" for our defense . . . through

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Some dark night, America's defense may well rest upon our ability to "see" what our enemies are up to. This is the urgent mission of Electronic Reconnaissance—uncanny "eyes" with which we can detect enemy electronic signals, *and determine exactly the location, type and capability of the signal source.*

Since 1952 Hallicrafters, through its Quick Reaction Capability Program, has been instrumental in the rapid development and continuous improvement of Electronic Reconnaissance systems.

Today Hallicrafters QRC is being applied effectively to an increasingly broad area of military electronics, including airborne ECM, communications, SAGE and missile systems.

Put this dynamic design and production force to work now. From single circuit to complete system . . . for land, sea, air or space application . . . you'll get reliable answers quickly and efficiently.

ENGINEERS: Join our rapidly expanding QRC team now. For complete information address inquiries to: William F. Frankart, Director of Engineering.

hallicrafters company

MILITARY ELECTRONICS DIVISION — CHICAGO 24, ILLINOIS

URGENT PROBLEMS RELIABLY SOLVED

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

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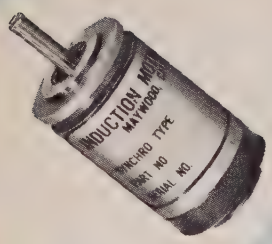
MIL-TESTED SYNCHRO COMPONENTS

PRECISION AND PROVEN—A complete line of electro-magnetic rotary components manufactured in accord with MIL-S-20708, ARP-461, MIL-E-5400, to military and commercial specifications. More than 100 designs to choose from in standard frame sizes, with electrical and mechanical configurations engineered to any specific system requirement.



SIZE 8 SYNCHRO
(ACTUAL SIZE)

SIZE 8 SYNCHROS

IMC TYPE AND MODEL NO.	INPUT VOLTAGE 400	INPUT CURRENT AMPS	OUTPUT VOLTAGE VOLTS	PHASE SHIFT Deg Lead (Max.)	IMPEDANCE Ohms Zro	Zso	MAX. ERROR
TORQUE RECEIVER	ROTOR AS PRIMARY						Receiver Tracking Error
9708-001	26	.15	11.8	12	45+j170	15+j40	1°
TORQUE TRANSMITTER							
9708-002	26	.14	11.8	12	45+j170	10+j30	7'
9708-032	26	.12	11.8	11.0	48+j215	11+j35	7'
008-235	26	.10	11.8	12	54+j260	12+j45	7'
008-238	115	.03	90	12	800+j3800	810+j2700	7'
008-239	115	.04	90	17	933+j2985	651+j1545	7'
008-244	26	.094	11.8	12	60+j270	12+j45	5'
CONTROL TRANSFORMER	STATOR AS PRIMARY						
9708-007	11.8	.007	22.5	17	1800+j7500	610+j1565	7'
9708-033	11.8	.120	23.5	12	160+j500	27+j81	7'
008-334	11.8	.029	22.5	12	560+j1680	90+j340	7'
008-335	11.8	.025	23.5	12	410+j2200	150+j380	5'
008-337	90	.028	57.3	12	470+j1770	810+j2700	10'
008-340	11.8	.025	23.5	12	410+j2200	150+j380	7'
008-343	11.8	.120	23.5	12	160+j500	27+j81	7'
RESOLVER TRANSMITTER							
9708-004	11.8	.100	21.2	22	260+j450	50+j105	7'
VECTOR RESOLVER							
9708-008	11.8	.120	25	12	260+j450	27+j81	7'
LINEAR TRANSFORMER	ROTOR AS PRIMARY						
9708-005	26	.110	—	10	50+j230	60+j280	—
9708-026	26	.120	—	16	50+j230	80+j380	—
CONTROL DIFFERENTIAL	STATOR AS PRIMARY						
008-606	11.8	.120	12.3	12	40+j100	27+j81	7'

SIZE 11 SYNCHROS

IMC TYPE AND MODEL NO.	BUORD EQUIVALENT	INPUT VOLTAGE 400	INPUT CURRENT AMPS	OUTPUT VOLTAGE VOLTS	PHASE SHIFT Deg Lead	IMPEDANCE Ohms Zro	Zso	Zrs	MAX. ERROR
CONTROL DIFFERENTIAL	STATOR AS PRIMARY								
011-603	—	90.0	.049	90.0	5.0	380+j1800	280+j610	410+j165	7'
9711-015	26V 11CDX 4b	11.8	.155	11.8	8.5	20+j87	17+j84	21+j9	10'
CONTROL TRANSMITTER	ROTOR AS PRIMARY								
9711-039	26V 11CX 4b	26	.165	11.8	6.0	21+j168	10+j29	41+j17	7'
9711-005	115V 11CX 4b	115	.035	90.0	6.0	630+j4212	380+j2195	822+j335	7
TORQUE TRANSMITTER									
9711-001	—	115	.065	90.0	7.5	273+j1270	246+j1314	532+j220	15'
9711-021	—	115	.047	11.8	4.0	405+j2700	6+j27	500+j270	12'
011-001	115V-11TX 4b	115	.060	90.0	8.5	400+j2500	240+j1350	493+j255	7
9711-020	26V 11TX 4b	26	.280	11.8	8.5	24+j107	5+j19	20+j9	7
TORQUE RECEIVER									Receiver Tracking Error
011-103	115V-11TR 4b	115	.060	90.0	5.3	400+j2500	240+j1350	493+j255	1
9711-025	26V-11TR 4b	26	.280	11.8	4.5	15+j107	5+j19	20+j9	1
CONTROL TRANSFORMER	STATOR AS PRIMARY								
9711-090	26V-11CT 4b	11.8	.086	22.5	5.0	140+j213	24+j146	157+j75	7
9711-010	115V 11CT 4b	90.0	.020	57.3	5.0	597+j3378	837+j5132	623+j337	7
RESOLVER TRANSMITTER									
9711-052	—	26.0	.010	25.3	7.5	550+j1800	450+j1870	630+j200	7 5'
ELECTRICAL RESOLVER	ROTOR AS PRIMARY								
011-014	—	26	.050	12.6	9.0	180+j515	—	—	10 10'
SECANT RESOLVER		10V @ 1600 CPS	060 12 MFD TUNING CAP	10 SEC @ BETWEEN 0 – 90°	±1° @ ELECTRICAL ZERO	3k	—	—	1.5% @ 20 1.0% @ 90 3.0% @ 150

Nominal null values 25 to 125 millivolts depending upon unit.

Write for Size 8 Bulletin 204, and/or Size 11 Bulletin 206

INDUCTION MOTORS OF CALIFORNIA

DIV. OF IMC MAGNETICS CORP., N.Y.

6060 Walker Ave. • Maywood, California
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NEW design

DIAL ASSEMBLY FOR SYNCHROS AND POTS

$85 OFF-THE-SHELF DELIVERY

Just plug in your synchro, resolver, or rotary transducer and the Dial Assembly is ready for use. Designed for mounting on any panel without dis-assembly.

Specifications: Range 0° to 360°, continuous rotation. Accuracy — 0.1°. Readability—0.1°. O.D. — 5 in. Transducer can be zeroed from front of Dial Assembly.

A Complete Technical Bulletin will be mailed to you upon request.

Theta INSTRUMENT CORPORATION

520 Victor Street • Saddle Brook, New Jersey
Hubbard 7-3508 • TWX: HKK 952-U

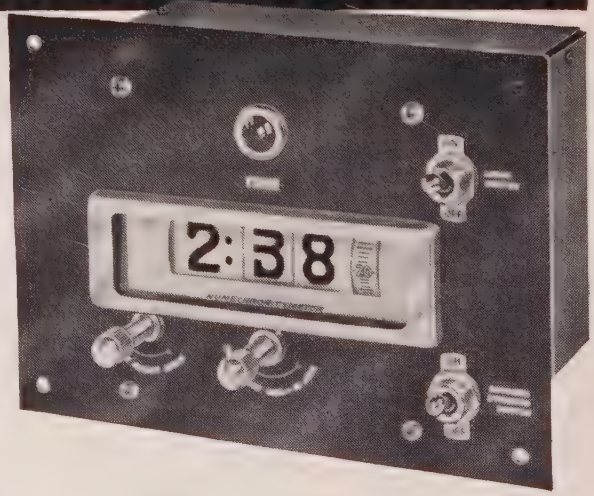
From *Theta* Test Equipment For Synchro and Resolver Systems

Write for 1960 Catalog and free 28 page Synchro And Resolver Manual.

NEW...TYMETER DIGITAL CLOCK

12 and 24 HOUR READ OUT

- Front Panel Mount
- Desk or Bench Use
- Digits Resettable Individually



160-12H

Large 5/8" easy to read digits ● Time is registered on 3 drums . . minutes, 10 minutes and hours ● Rotating visual 1 RPM calibrated seconds wheel ● Digits resettable individually ● Full vision in line read out digital display ● Independent front panel time reset controls ● Illumination provided by miniature lamp with independent control switch . . jewel light panel indicator ● Synchro-Synchronization seconds wheel control switch ● Movement shock resistant to withstand shock of 2000 pounds per inch ● Completely enclosed anodized metal dust-proof case . . Height 4½", Width 6", Depth 3¼" . . front panel mount . . desk or bench use ● Available in 50 or 60 cycle . . in all voltages AC ● Precision instrument accuracy ● UL approved motor and cord. Wt. 3½ lbs.

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GAMEWELL *Blue Line* PRECISION POTENTIOMETERS

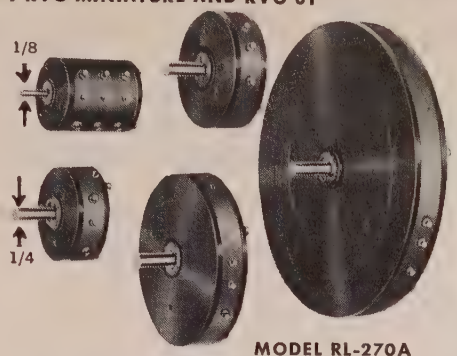
ALL ILLUSTRATIONS SHOWN APPROXIMATE ½ SIZE, EXCEPT RVG MINIATURE AND RVG 8T

The RL-270A and B Series

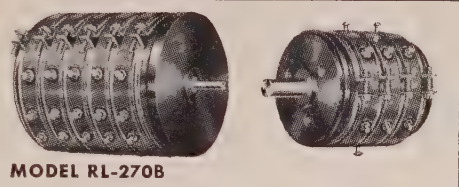
Rated for 150°C maximum • Only ⅜" per section • Taps limited only by physical spacing • High unit pressure spring connections • High "G" and vibration characteristics • RL-270B style recommended if more than two sections required.

Diameter (inches)	5	3	2	1⅝	1¼	1¼†
Rating (watts)	10.5	7	4	2.75	2.25	2.0
Torque, Max. (oz.-in.)	1	1	1	½	½	1
Weight (ounces)	15	6	3	2	1	1¼
Mounting: 3 holes (⅛" deep)	#8-32	#8-32	#8-32	#6-32	#4-40	#4-40
Mounting-circle Diam. "B" (inches)	3.250	1.750	1.250	1.000	1.000	1.000
Max. Resistance (ohms) ±5%	500K	250K	150K	100K	65K	63K
Min. Resistance (ohms) ±5%	115	60	35	25	20	20
Max. Number of Turns	13,500	7,300	4,200	3,100	2,200	2,100
Electrical Functional Angle (deg.)*	358.5	357	355	353	350	340±3
Linearity, Standard (%)	±0.1	±0.1	±0.15	±0.25	±0.25	±0.5
Maximum Number of Taps	74	40	26	20	14	Limited

*Tolerances not shown on angles †G-20 Model — one-piece molded housing

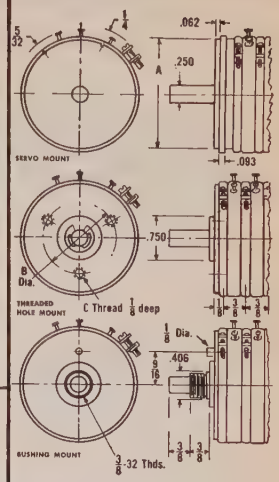


MODEL RL-270A



MODEL RL-270B

. . . Exclusive Gamewell Phasing Clamp Style

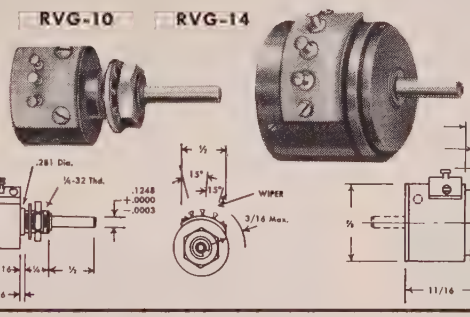


MODEL	MAX DIA.	A	B
RL-270B-1⅛	1⅛	1.500	1.000
RL-270B-2	2	1.875	1.250
RL-270B-3	3	2.875	1.750

The RVG Miniatures

	RVG-10	RVG-14
Diameter	⅝	⅞
Rating (Watts)	2	2.25
Torque, Max. (oz.-in.)	0.2	0.25
Weight (ounces)	⅜	¾
Max. Resistance (ohms) ±5%	30,000	50,000
Min. Resistance (ohms) ±5%	25	40
Max. Number of Turns	1230	1800
Electrical Function Angle (deg.)	345 ±3	354 ±2
Linearity, Standard (%)	±0.5	±0.5

RVG-10 RVG-14



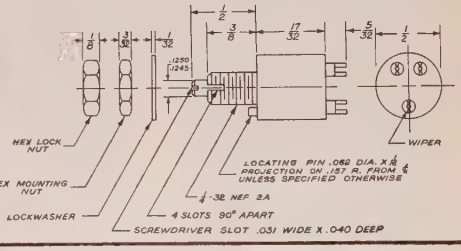
Both styles available with servo and bushing mounting

New RVG-8T ½" Trimmer

Rating (watts)	2	Resistance Range ±5% 20Ω to 50K*	
Torque (oz.-in.) Max. special high torque available	1.	Electrical Function Angle	320°
		Voltage, Max. (insulation)	1000 DC
Weight (ounces)	½	Linearity, Standard (%)	±3

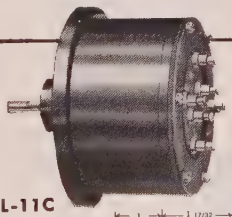
*100K available

Notes: Shaft lock nut is supplied.



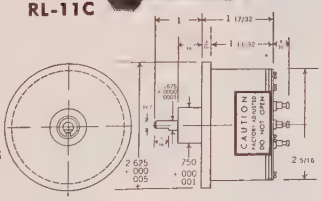
The SINUSOIDAL Type

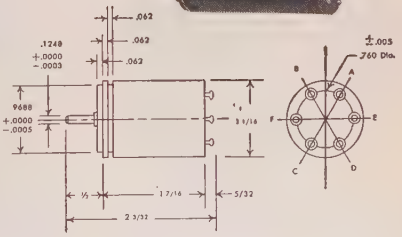
	RL-14MS	RL-11C	RVG-17XS
Total Resistance (ohms)	35,400 ± 1%	16,000 ± 10%	18,000 ± 5%
Approx. % Resistance within brush circle	98.5 ±½	85	95
Angle of Rotation	360°	360°	360°
Weight	1.8 lb.	4.75 oz.	1.5 oz.
Torque (Approximate)	2 oz.-in.	¾ oz.-in.	¼ oz.-in
Wire	80 Ni-20 Cr	80 Ni-20 Cr	80 Ni-20 Cr
Resolution	0.2°	0.4°	0.5°
Angular Accuracy	±0.5°	±0.6°	±1°
Amplitude Accuracy	±0.6%	±0.8%	±1.5%
Maximum Volts across winding	350	150	150
Maximum Speed	60 RPM	60 RPM	60 RPM
Nominal Life	200,000 cycles	350,000 cycles	350,000 cycles

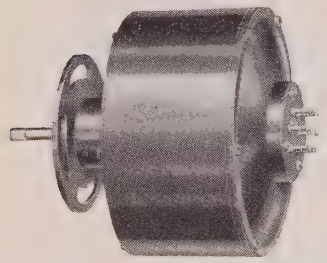


RL-11C

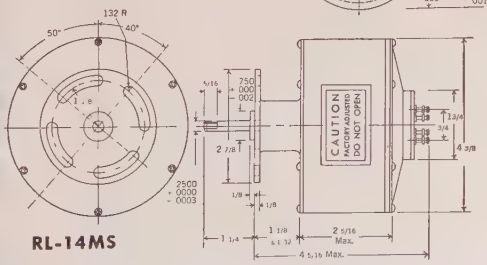
RVG-17XS







RL-14MS



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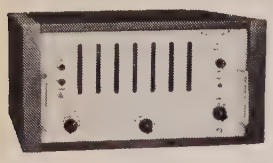
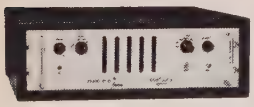
Digital Instrumentation for



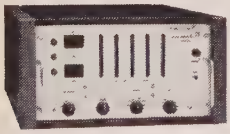
① Model 7170 (shown) and Models 7150 and 7160 (similar in appearance) use vacuum tube circuitry proven and perfected by four years use in the field.

② Model 8160 (shown) and Model 8150 (similar in appearance) have the same construction and performance abilities of Models 7160 and 7150 respectively plus a large, bright red, in-line display.

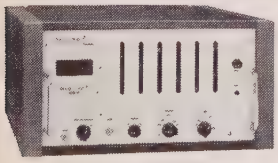
③ Model 5210 is a compact, lightweight, vacuum tube EPUT meter designed with a carrying handle so that it can be moved about easily.



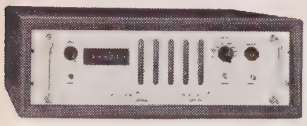
④ Model 5310 is fully-transistorized for minimum size and maximum reliability. Occupies only 5¼" of rack space. Available with self-contained, rechargable battery power.



⑥ Model 7153 (shown) features colored panel lights that indicate whether measured frequency is above, within or below selectable limits. Model 7152 (similar in appearance) produces only above or below indication.



⑦ Model 7161 (shown) and Model 7151 (similar in appearance) feature highly-variable time bases. Proper selection of time base introduces a scale factor, thus producing indications in desired units such as rpm, psi, gals/min when used with conventional transducers.



⑧ Model 5311 is a fully-transistorized instrument with a highly-variable time base like Model 7161. (See ⑦ above.)

EPUT® Meters. These instruments count every cycle of an applied signal during a precise internally-generated interval called the "time base." The process yields digital frequency readings with accuracies up to a few parts in 10 million.

Model	Freq. range	Sensitivity	Time bases	Time base stability	Count capacity	Other features	Price
① 7150	dc to 100 Kc	100 mv, rms into 10 MΩ	1, 0.1, .01, secs; 1, 0.1, .01 ms (10 secs with Mod B)	1 part in 10^5 per day	5 digits	Measures period. Code for printer.	$ 825
③ 8150							$1050
① 7160	dc to 1 Mc			3 parts in 10^7 per week	6 digits		$1045
② 8160							$1315
① 7170	10 cps to 10 Mc	100 mv into 1 MΩ	10, 1, 0.1, .01, secs; 1, 0.1, .01 .001 ms	3 parts in 10^7 per week	7 digits	Code for printer	$1675
③ 5210	dc to 100 Kc	0.25 v	1 & 0.1 secs	That of line frequency	4 digits	Portable	$ 450
④ 5310D	10 cps to 200 Kc	100 mv into 100 KΩ	1s, 0.1s, .01s, 1 ms, 0.1 ms, .01 ms	5 parts in 10^7 per day	5 digits	Transistorized	$1680
5850	10 cps to 100 Kc	100 mv into 100 KΩ	1.0, 0.1 secs	That of line frequency	4 digits	Magnetic circuits	
⑥ 7152	dc to 100 Kc	100 mv into 10 MΩ	1, 0.1, .01 secs; 1, 0.1, .01 ms	1 part in 10^5 per day	5 digits	Limit indication	$1095
⑥ 7153							$1225
⑦ 7151	dc to 100 Kc	100 mv into 10 MΩ	Variable in 0.1 ms and 1 ms steps	1 part in 10^5 per day	5 digits		$1195
⑦ 7161	dc to 1 Mc			3 parts in 10^7 per week	6 digits		$1345
⑧ 5311D	10 cps to 200 Kc	100 mv into 100 KΩ	Variable in 10 μsec steps	5 parts in 10^7 per day	5 digits	Transistorized	$1980

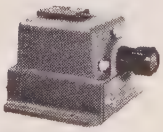
Time Interval Meters. These instruments measure the time between signals applied to the same or to separate input jacks. Measurements precise to a few tenths of a microsecond may be achieved.

Model	Timing units	Timing range	Sensitivity	Time Std. stability	Price
⑩ 7250	10 μsec	10 μsec to 1 sec	0.3 v p-p into 10 MΩ	1 part in 10^5 per day	$ 695
⑪ 8250					$ 920
⑩ 7260	1 μsec	1 μsec to 1 sec		3 parts in 10^7 per week	$ 925
⑪ 8260					$1195
⑩ 7270	0.1 μsec & 1 μsec	0.3 μsec to 10 sec	0.6 v p-p		$1675
⑨ 5220	0.1 ms	0.1 ms to 1 sec	0.7 v p-p	1 part in 10^4 per day	$ 525

⑨ Model 5220 is a compact, lightweight timer designed to be carried about with ease.

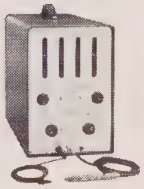
Tachometer Pick-ups.

Coupled to a rotating member these transducers put out an electrical frequency proportional to rotary speed. Will drive any Beckman counter.



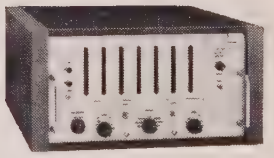
Photoelectric Pick-ups.

A change in light intensity will cause these transducers to generate an electrical signal that will actuate a Beckman counter or timer. Beamed light sources are also available.



Digital Volt-Ohm Meter.

Model 5350 is an all-electronic meter that measures dc voltage, ac voltage and resistance. DC ranges are 1v, 10v, 100v and 1000v with accuracy of 0.2%. AC ranges are 1v, 10v, 100v and 500v rms; resistance ranges, 10K, 100K, 1M and 10M ohms. Price $845.



⑩ Model 7270 (shown) and Models 7260 and 7250 (similar in appearance) feature selectable sensitivity and variable trigger levels to accommodate all signals commonly encountered.

⑪ Model 8260 (shown) and Model 8250 (similar in appearance) have the same advantages of 7000 Series timers plus a large, bright red, in-line display.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

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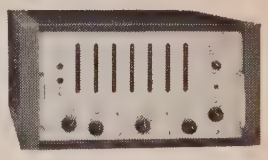
Universal EPUT® and Timers. Universal instruments perform all the following functions: frequency counting, measuring period, measuring phase difference, measuring frequency ratio and timing the interval between signals applied to separate input jacks.

Model	Freq. meas. range	Time bases	Timing units	Time display range	Count capacity	Sensitivity	Time base stability	Other features	Price
⑫ 7350	dc to 100 Kc	10 s, 1 s, 100 ms, 10 ms, 1 ms, 100 μs, 10 μs	Same as time bases	10 μs to 10^7 sec	6 digits	100 mv into 10 MΩ for freq. & timing	1 part in 10^6 per day	Code for printer. Self-testing	$ 945
⑬ 8350									$1195
⑫ 7360	dc to 1 Mc	10 s, 1 s, 100 ms, 10 ms, 1 ms, 100 μs, 10 μs, 1 μs		1 μs to 10^8 sec	7 digits		3 parts in 10^7 per week		$1245
⑬ 8360									$1525
⑫ 7370	10 cps to 10 Mc	10 s, 1 s, 100 ms, 10 ms, 1 ms, 100 μs, 10 μs, 1 μs, 0.1 μs		0.1 μs to 10^8 sec	7 digits	100 mv into 1 MΩ			$1975
⑭ 5230	dc to 100 Kc	1 s, 100 ms, 10 ms, 1 ms, 100 μs		100 μs to 10^4 sec	4 digits	250 mv into 1 MΩ	1 part in 10^4 per day		$ 625
⑫ 7351	dc to 100 Kc	Variable in 0.1 ms & 1 ms steps to 9.999 secs	10 μs, 100 μs, & 1 ms	10 μs to 10 sec	5 digits	100 mv into 10 MΩ for freq. & timing	1 part in 10^6 per day	Times up to 9,999 cycles. Counts batches.	$1295
⑫ 7361	dc to 1 Mc		1 μs, 10 μs, 100 μs, 1 ms	1 μs to 100 sec	6 digits		1 part in 10^7 per week		$1495

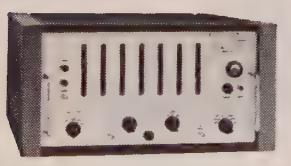


⑫ Model 7370 is shown. Models 7350, 7360, 7351 and 7361 are similar in appearance.

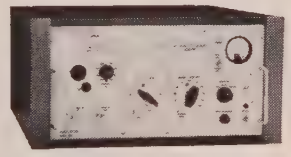
⑬ Model 8360 (shown) and Model 8350 (similar in appearance) display readings in large, bright red, in-line numerals.

⑭ Model 5230 is an inexpensive portable instrument of moderate accuracy.

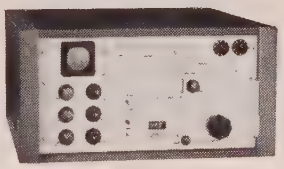
Digital Frequency Meters ranging to 23,000Mc



TO 110Mc. Model 7175 combines a 10Mc frequency counter and a heterodyne converter in a single cabinet. Produces digital indications of frequencies from 10cps to 110Mc. Sensitivity is 100mv into 1M ohms up to 10Mc; 100mv into 100 ohms above 10Mc. Price $1895.

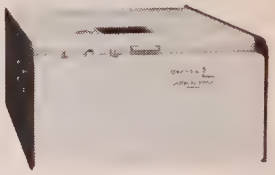


TO 1000Mc. Model 7570 Series consists of three heterodyne converters that may be mounted simultaneously in one cabinet. The converters progressively extend the measuring range of Model 7170 or Model 7370. To 110Mc with one converter, to 220Mc with two, to 1000 Mc with three. Sensitivity and accuracy exceed that of counter alone. Price: $550, $800 or $1300 with 1, 2 or 3 converters respectively.



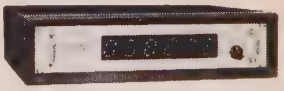
TO 23,000Mc. The Model 7580 computing transfer oscillator enables Model 7370 to create a digital display of frequencies well into the microwave region. Built-in computing device calculates harmonic number, then, gate time of counter is expanded by harmonic factor to create counter display of actual frequency under test. Price $1650.

Printer.



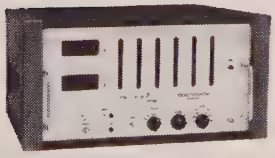
Model 1452 prints readings of almost any Beckman Counter on a paper tape. Operates upon being plugged into output code socket at rear of counter. Price $950.

Remote In-line.



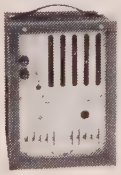
5920 Series readouts create a large, bright red display of counter readings. Numerals 1¼" high are formed on the surface plane, permitting wide (150°) viewing angle. May be located up to 200 feet from counter. Stores latest display while counter takes next sample. Prices: $610 for 4 digits to $850 for 7 digits.

Preset Counter-Controllers. These counters generate output signals as the accumulating count reaches one or two selected totals. Outputs are relay transfers, changes in dc voltage level and pulses.



⑮ 7420 Series controllers (7426 shown) are vacuum tube instruments that generate output signals at each of two selected count totals.

⑯ 7410 Series controllers (similar in appearance to 7426) are vacuum tube instruments generating an output at one selected total.

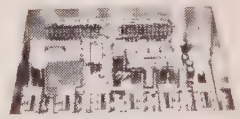


⑰ 5820 Series controllers (5825 shown) use magnetic counting circuits with miniature saturable reactors in the place of vacuum tubes to obtain unprecedented reliability. Generate output signals at each of two selected count totals.

Model	Count Capacity	Max. count rate	Sensitivity	Price
7423	999	10,000 counts per sec	Selectable: 100 mv 1 v & 10 v rms into 10 MΩ	$720
⑮ 7424	9,999			$785
7425	99,999			$845
7426	999,999			$895
7413	999			$595
⑯ 7414	9,999			$645
7415	99,999			$695
7416	999,999			$745
5823	999	5,000 counts per sec	0.5 v rms into 10 KΩ	$555
⑰ 5824	9,999			$625
5825	99,999			$695
5813	999			$495
⑱ 5814	9,999			$555
5815	99,999			$625

⑱ 5810 Series controllers are identical to 5820 Series equipment except that output occurs at only one selected count total.

Output Data Converters.



Data converters are available to link a counter to a strip chart recorder, an IBM card punch or a paper tape punch.

Input Scanners.

Equipment that will connect a counter to successively to 30 or more input signals is available on special order.

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X—Ku—K—Ka frequency bands 8.2 to 40 Kmc

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Lower frequency horns made to order. Made of cast aluminum with plastic dirt cover over radiating end.

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Solid State high speed switching for

COAX

50 Mc to 12 Kmc-broad band and narrow band units. Switching speed faster than 10 mμsecs. Extremely low switching power required.

WAVEGUIDE

X band and Ka band. Switches for other frequencies under development or designed to special order.

WAVEGUIDE AND COAXIAL FILTERS

High Pass—Low Pass—Band Pass

Waveguide band pass and high pass filters available from standard designs X, Ku, K and Ka bands—other waveguide and coaxial units available from existing or from special design.

BROAD BAND ANTENNAS

CONICAL HELIX (circular polarization)

LOG PERIODIC (linear polarization)

50 Mc to 12 Kmc

Frequency bands of 20:1 with one antenna.
Standard or custom band widths.
Rigid cone or collapsible.

TRANSISTORIZED VIDEO AMPLIFIERS

Custom designed for crystal video receiving systems. Designed for —50 dbm sensitivity or higher when used with AEL crystal mounts.
Rise time 0.2μsec or better as required. Completely militarized and packaged to customer requirements.

Other Microwave Components

- COAXIAL DC BLOCKS AND DC RETURNS
- HARMONIC GENERATORS
- SOLID STATE POWER LIMITERS

All built to meet military environmental requirements.

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PHILADELPHIA 6, PENNA.
WAlnut 5-8780

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*TEFLON**

INSULATED

WIRE AND CABLE

- Mil—W—16878 C Type E and EE
- 300 Volt *MINI-THIN*
- A W G #14 through A W G #36
- Multi-Conductor Cables
- Govt. Source Inspection

In addition to hook-up wire and standard cables, custom designs to individual specifications are available. Write or call for latest catalog. Sales-engineering representatives in principal cities.

THERMAX WIRE CORP.

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*DuPont

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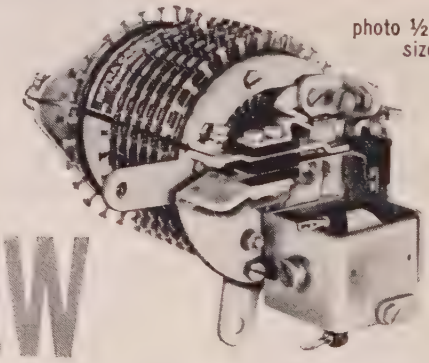
photo ½ actual size



NEW

HIGH-SPEED, MINIATURE STEPPING SWITCH

For: Automatic switching, circuit selection, and timing-control

Featuring: • 80 steps per second on impulse drive • 30 contacts per bank • maximum 12 banks • only 17 oz. in weight • unique sequence switching

Write today for complete technical data on the unique Miniature Uniselector — ALSO on the Two-Way and One-Way Stepping Switches.

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Another new Hydro-Aire product for the aircraft, missile support, missile and electronics industries

Ready Now! A Reliable Family of Transistorized Time Delay Devices —*available on time from* Hydro-Aire

These fully-transistorized time delay devices are but nine of a widely diversified family including relays, sequence timers, computer timing modules and time-programmed, system supervising units—all custom-designed, built and on-time delivered by Hydro-Aire. Perhaps one of these proven designs meets your specifications. If not, we will custom-design to your requirement. All of our time delay devices are compactly designed, available for AC or DC operation, and conform to applicable Mil Specs. These devices typify the many reliable electronic products being designed, developed, produced and on-time delivered by Hydro-Aire.

CHARACTERISTICS: TIME DELAY RELAY MODEL 50-085

Size—2⅜″ x 1½″ x 1½″
Weight—4 oz.
Time delay range—adjustable over one decade; 6 to 60 seconds with ±5% accuracy
Life: 100,000 operations at rated contact load
Maximum power required: 50 ma at 24-31 VDC
Temperature range: —55°C to +71°C as standard; to +125°C available on special request

WRITE FOR ELECTRONICS CATALOG. A note on your letterhead brings a free copy, containing detailed facts and specifications. If you have a time delay device requirement, include your specifications for a prompt quote.

HYDRO-AIRE
BURBANK, CALIFORNIA
Division of CRANE CO.

Solid-state devices include time delay devices, voltage regulators, power supplies, inverters.

PARSONS

Systems Engineering

The Electronics Division of The Ralph M. Parsons Company enjoys a wide reputation for reliability in electronic and electromechanical instrumentation. Extensive testing and production facilities enable Parsons' engineers to produce—from theory to finished equipments—outstanding instrumentation which meets the requirements of both Military and Commercial uses.

Development and manufacturing experience includes specific equipments such as telemetering systems, miss-distance indicators, tracking systems, computers, navigation systems, data handling systems, specialized air-borne and ground electronic and electromechanical assemblies for aircraft and missiles, and air sampling and meteorological equipment. Whether single unit or mass production is required, the highest of standards is maintained.

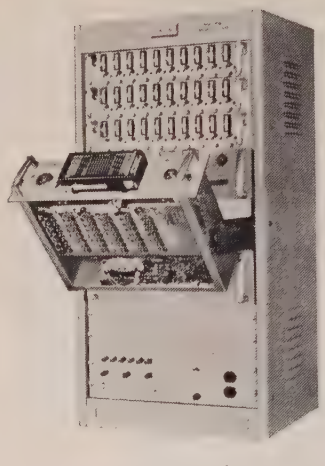
For complete customer service, technical field representatives are maintained at convenient locations. Write, wire or call Parsons.

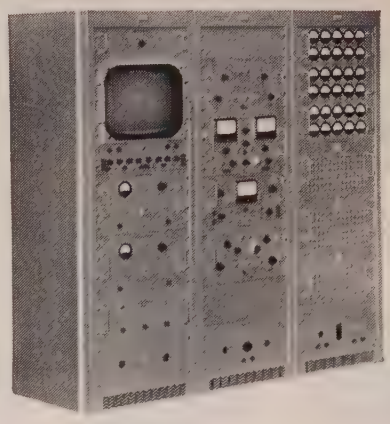
PARSONS

means creative electronics

From theory to finished equipments . . .

PARSONS SPECIALIZES IN TELEMETRY



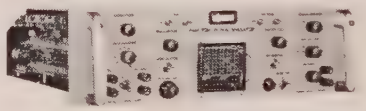


PAM/PDM Decommutation Stations

MODEL 5400 (above left) Requires 26¼" minimum vertical panel space in standard rack, 24" deep, accommodating panels 19" wide. 100 channels maximum capacity.

MODEL 5201 (above right) 90 channel version with 30 channel readout and visual display, PAM commutator simulator, PDM signal simulator, and sweep generator for PDM line-dot display.

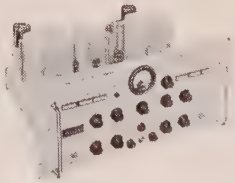
OTHER MODELS TO MEET YOUR REQUIREMENTS
Made to IRIG Telemetry Standards and USAF Mil specifications.



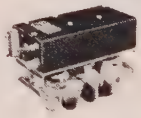
PAM/PDM Signal Simulators

MODEL 2544 (above) 5¼" high, 19" wide, 16½" deep; rack mounting.

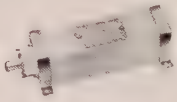
OTHER MODELS AVAILABLE
Made to IRIG Telemetry Standards and USAF Mil specifications.



DATA INSERTION CONVERTER
Up to 6 plug-in oscillator units are mounted on chassis. 15 frequencies, 960 to 70,000 cps, by changing oscillators.



FM TELEMETRY TRANSMITTER
Crystal stabilized. For applications where small size, light weight, and high reliability are of prime importance.



RF BANDPASS FILTER
Suppresses spurious and harmonic output from telemetry transmitters. Adjustable from 200 to 260 mcs.

Made to IRIG Telemetry Standards and USAF Mil Specifications.

PARSONS MICROPULSE DELAY LINES available in adjustable, lumped parameter, and distributed constant types. Custom engineered or standard models for laboratory research, industrial and military applications.

PARAMI MISS DISTANCE INDICATOR is an electronics system for measuring the separation between missile and target. Proven to be over 80% reliable as official scorer of USAF William Tell Weapons Meets in 1958 and 1959.

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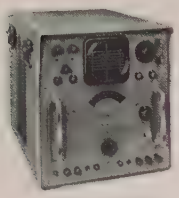
POLARAD

MICROWAVE · ELECTRONICS

FOR MICROWAVE SPECTRUM ANALYSIS
10 to 44,000 mc

DIRECT READING SPECTRUM ANALYZER

10 to 44,000 mc in 5 tuning units



Model TSA

To test missiles, radar, microwave components, telemetering and multi-pulse transmission. Features:

- Dispersion, 400 kc to 25 mc.
- Resolution, 25 kc
- R-F and I-F attenuation
- Sensitivity —95 to —50 dbm depending on frequency

ALL POLARAD ANALYZERS FEATURE:

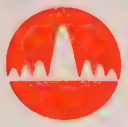
1 to 30 cps sweep rate
Direct reading UNI-DIAL tuning
Frequency accuracy ±1%
Stable accurate internal frequency marker
High accuracy and sensitivity
Flat-face 5" CRT

COMBINATION SYNCHROSCOPE-SPECTRUM ANALYZER

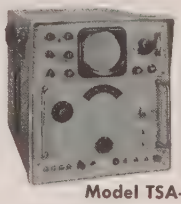
10 to 44,000 mc in 5 tuning units

PROVIDES TIME AND FREQUENCY DISPLAY

Time display: Shows signal waveform



Frequency display: Shows power-frequency spectrum



Model TSA-S

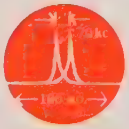
Bandwidth 5 kc, 50 kc, 500 kc, 5 mc. Synchroscope sweep rate: 2, 10, 100, 1,000, 10,000 and 100,000 μsec per screen diameter.

WIDE DISPERSION SPECTRUM ANALYZER

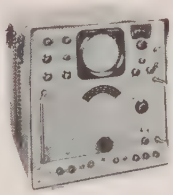
10 to 44,000 mc in 5 tuning units

FOR NARROW AND WIDE PULSE ANALYSIS

Wide Dispersion Band: 70 mc dispersion, 50 kc resolution, displays pulses as narrow as 0.1 μsec.



High Resolution Band: 100 kc dispersion, 7 kc resolution, ideal for wide pulse analysis and signal discrimination.

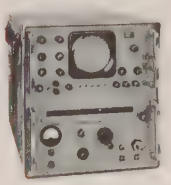


Model TSA-W

Linear or log screen display for measurements over a wide dynamic range.

UNIVERSAL SPECTRUM ANALYZERS

10 to 40,880 mc in single self-contained units. No additional tuning units needed.



Model SA-84W

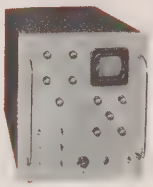
Features a choice of wide or narrow dispersion, and linear or log screen display. **Dispersion: wide band,** 1 mc to over 80 mc, fully adjustable, for narrow pulse analysis; **narrow band,** 100 kc to 7 mc, adjustable, for wide pulse analysis. **Resolution:** 7 kc to 50 kc automatically set by dispersion control. Crystal controlled markers throughout range. Accurate I-F attenuator.

ALSO Model SA-84

Adjustable dispersion:
in 10 to 55 mc range: 500 kc to 5 mc,
in 55 to 40,880 mc range: 500 kc to 25 mc.

Resolution: 20 kc. Expanded, direct reading slide rule dial showing only the frequency band in use.

MULTI-PULSE SPECTRUM SELECTOR

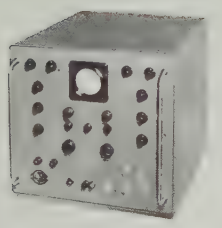


Model SD-1

For use with any Polarad spectrum analyzer. Permits spectrum analysis of individual microwave pulses in a pulse group. Any pulse in a complex coded signal may be isolated and intensified for examination.

FOR GENERAL LABORATORY USE

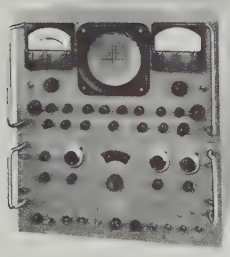
PULSE JITTER TESTER



Model PJ-1

Measures:
Relative jitter and **pulse width jitter:** 5, 10 and 100 millimicroseconds full scale.
Repetition rate jitter: 5, 10 and 100 millimicroseconds, and 1, 10 and 100 microseconds full scale. Displays jitter magnitude and waveform.

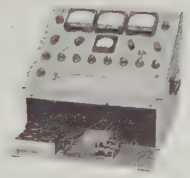
SERVO ANALYZER



Model SV-1

Tests amplitude, phase and transient response in magnetic and servo amplifiers and all AC and DC servo systems. Feeds test signal through servo or computer circuit, compares response on calibrated CRT. Wide variety of output test signals.

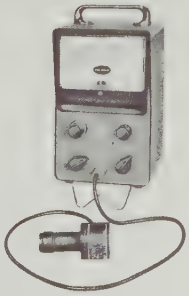
KLYSTRON TUBE TESTER



Model K-200

Tests all microwave tubes as easily as ordinary vacuum tubes.

TRANSISTORIZED MICROWAVE POWER METER



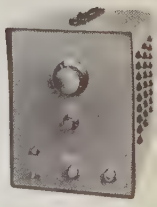
Model P-3

10 to 40,000 mc in 5 thermistor mounts

Measures absolute r-f power instantly without tuning. Line or internal battery operated. Rugged, only 6 pounds. Meter ranges: 0.1 mw to 10 mw full scale.

PRECISION NOISE GENERATOR

Provides a stable, accurate noise output simultaneously over a 1,000 cps to 500 mc frequency range. Output level adjustable 1 to 20 db, accurate to ±0.25 db. For direct noise figure measurements in vacuum-tube and transistor amplifiers and receivers.



Model N-1

ALL-CERAMIC KLYSTRON TUBES

Maximum shock, vibration and heat resistance. Guaranteed operation up to 250°C with no cooling required. Low noise figure. High frequency accuracy, stability and freedom from microphonics.

Tube Number	Frequency Range
ZV 1012	500 to 3,000 mc
ZV 1010	700 to 3,000 mc
ZV 1009	1,500 to 6,000 mc

POLARAD ELECTRONICS CORPORATION

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Send for comprehensive catalog, or detailed data on any instrument.
Representatives in principal cities. See your Yellow Pages.

FREE LIFETIME SERVICE

POLARAD
OVER RELIABILITY

MICROWAVE · ELECTRONICS

FOR MICROWAVE SIGNAL GENERATION 500 to 50,000 mc

500 to 21,000 mc. Polarad generators in this range feature • continuously variable attenuators calibrated directly in — dbm • internal pulse, FM and square wave modulation, external pulse and multi-pulse modulation • Delayed and undelayed sync outputs • UNI-DIAL tuning • direct-reading frequency dials accurate to 1% • high stability non-contacting klystron cavity chokes for noiseless tuning and accurate calibration.

UHF SIGNAL GENERATOR

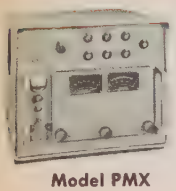
Model PMR

500 to 1,000 mc
Single unit covers entire frequency range.
Internal pulse and square wave modulation from 10-10,000 pps.
Internal FM with separate modulator.
Calibrated output 0 dbm (1 mw) to —127 dbm.

MICROWAVE SIGNAL GENERATOR

Model PMK

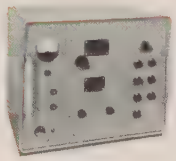
10,000 to 21,000 mc
Two interchangeable generator units.
Internal pulse and square wave.
10-10,000 pps. Output to 10 mw. DIGITAL frequency indicator.



Model PMX

MICROWAVE SIGNAL GENERATOR

4,450 to 11,000 mc
Two interchangeable generator units
Internal pulse and square wave,
10-10,000 pps. 0 to —127 dbm output.



Model MSG-34

ULTRA-BROADBAND MICROWAVE SIGNAL GENERATOR

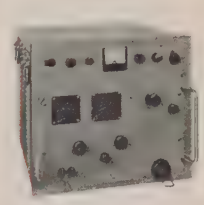
4,200 to 11,000 mc in one instrument.
Internal pulse and square wave,
10-10,000 pps.
0 to —127 dbm.
DIGITAL frequency indicator.

12,400 to 50,000 mc. Units in this range provide cw signals, 1,000 cps internal square wave, external modulation provisions, accurate frequency calibration.

EHF SIGNAL GENERATOR 18,000 to 39,700 mc, 7 plug-in units. Accurate power calibration. EHF SIGNAL SOURCE 18,000 to 50,000 mc, 9 plug-in units. High power output.

EHF Signal Generators Basic Unit Model HU-2A	Frequency Range	EHF SIGNAL SOURCES Basic Unit Model HU-1
Tuning Unit Model No.		Tuning Unit Model No.
G1822	18,000 to 22,000 mc	S1822
G2225	22,000 to 25 000 mc	S2225
G2427	24,700 to 27,500 mc	S2427
G2730	27,270 to 30,000 mc	S2730
G3033	29,700 to 33,520 mc	S3033
G3336	33,530 to 36,250 mc	S3336
G3540	35,100 to 39,700 mc	S3540
	39,600 to 46,000 mc	S3946
	45,900 to 50,000 mc	S4650

MODELS SG-1218 GENERATOR and SS-1218 SOURCE: 12,400 to 17,500 mc



EHF Signal Generator

Model B

MICROWAVE SIGNAL SOURCE

1,050 to 11,000 mc in 4 interchangeable tuning units.

A stable source of microwave energy at relatively high power output level. Internal square wave 10-10,000 pps. External pulse, square wave or FM. Adjustable attenuator.

Model KSS

CODE MODULATED MULTI-PULSE MICROWAVE SIGNAL GENERATOR

950 to 10,750 mc in 4 interchangeable tuning units. Provides 5 independently adjustable pulse channels, each with variable pulse width and delay. Built-in precision oscilloscope. **Pulse-code modulator section, Model MP-1A, is available separately,** housed in its own cabinet.

MICROWAVE SIGNAL GENERATOR

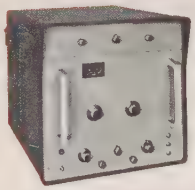
Models MSG-1, MSG-2A, MSG-2P

MSG-1 950-2,400 mc
MSG-2A 2,000-4,600 mc
1 mw max. power output

MSG-2P 2,150-4,600 mc
10 mw max. power output

MSG-1 & MSG-2A with 40-4,000 pps internal pulse and square wave modulation.
MSG-2P with 10-10,000 pps range.

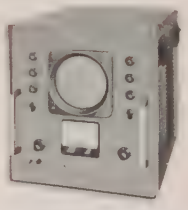
FOR INSTANTANEOUS MICROWAVE ANALYSIS At single frequency or over a wide range



Model CSG

Model CSG Electronic Sweep Generator. 1,000 to 16,000 mc in 5 tuning units. Provides high-power microwave signal adjustable from single frequency to 2:1 frequency range. .001 to 100 cps sweep rate. Int. AM: 1,000 cps & 456 kc square wave.

Model VS-2A



Model VS-2A Rapid Scan Ratio Scope. Displays ratio of two input signals, gives visual plot of VSWR as function of frequency, at a single frequency or over an entire swept range. Calibrated 7″ CRT. For use with Model CSG Sweeper.

FOR MICROWAVE RECEPTION

Model R

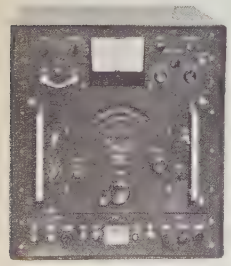
EXTENDED RANGE MICROWAVE RECEIVER

400 to 46,700 mc in 8 tuning units

Four instruments in one:

- AM-FM receiver
- Field intensity receiver
- Pulse, pulse-time or pulse-position demodulator
- Sensitive power meter

Receives AM, FM, cw, mcw and pulse signals. Direct-reading frequency dial accurate to 1%. AFC and AGC. Audio, video, recorder and trigger outputs. Sensitivity —90 to —55 dbm depending on frequency.
For all monitoring and quantitative analysis of microwave signals.



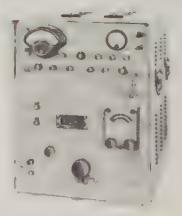
Model RW-T

MICROWAVE ANTENNA PATTERN RECEIVER

2,000 to 75,000 mc in a single unit

AM, FM, cw. and pulse reception. **External mixer** may be located up to 75 feet from receiver unit; eliminates need for cumbersome rigid waveguide. Operates into any standard antenna pattern recorder. Linear response over 40 db dynamic range. Sensitivity —85 to —70 dbm, depending on frequency.

Power Supply



Monitor and Tuning Unit

Calibrated Antenna (Supplied with Model FIM)

CALIBRATED MICROWAVE FIELD INTENSITY RECEIVER SYSTEM

1,000 to 10,000 mc in 4 tuning units — Model FIM

For accurate measurements of frequency and **absolute** power level of conducted or radiated microwave energy. Combines calibrated **receiver,** internal calibrated **signal generator** and calibrated **antenna system.** First single test system to measure both r-f interference and susceptibility to interference. Approved Class A MIL SPEC under MIL-I-26600 and Ramo-Woolridge Weapons System Specification WDD-M-PRO-2.

Features UNI-DIAL control: single knob tunes both receiver and internal signal generator. Direct-reading frequency dial. Calibrated meter indicates average, peak or quasi-peak value of r-f signals. Signal generator (1 mw calibrated power output) can be externally modulated. Audio, video, recorder outputs. Sensitive and extremely rugged. Supplied with 5 calibrated antennas.

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- *GR-H4 linear acceleration sensitivity over the entire temperature range <0.03°/sec/G.*

The characteristics of these units, with respect to natural frequency, sensitivity, damping, and pickoff or motor excitation, may be modified to match most individual requirements for hardware compatible with system functions.

Write NORTRONICS, Precision Products Department, Norwood, Massachusetts.

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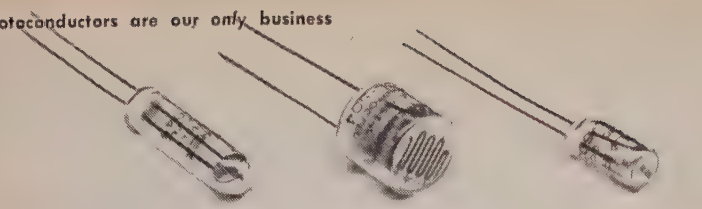

"400" "500" "600"

CLAIREX PHOTOCONDUCTIVE CELLS

3 SERIES IN GLASS . . . TO MEET MOST DESIGN NEEDS !

Now, 25 standard types in glass!

CL Cell #	Sensitive Material	Enclosure (inches)	Pk. Spectral Response, A	Light Resistance[1]	Voltage Rating (Max.)	Power[4] (MW)
CL402	CdS	.265x1	5150	1M	300	75
CL402S[5]	CdS	.265x1	5150	1M	300	75
CL403	CdSe	.265x1	7350	133K	300	75
CL403S[5]	CdSe	.265x1	7350	133K	300	75
CL403A	CdSe	.265x1	7350	75K	300	75
CL403AS[5]	CdSe	.265x1	7350	75K	300	75
CL403ASL[5]	CdSe	.265x1	7350	3.5K	60	75
CL404	CdSe	.265x1	6900	30K	300	75
CL404S[5]	CdSe	.265x1	6900	30K	300	75
CL404SL[5]	CdSe	.265x1	6900	1.5K	60	75
CL407	CdS	.265x1	6150	133K	300	75
CL407S[5]	CdS	.265x1	6150	133K	300	75
CL504	CdSe	.5x.5	6900	1.5K	250	500-250[2]
CL504L	CdSe	.5x.5	6900	0.25K	60	500-250[2]
CL505	CdS	.5x.5	5500	9K	250	500-250[2]
CL505L	CdS	.5x.5	5500	1.5K	60	500-250[2]
CL602[3]	CdS	.25x.5	5150	1M	300	75
CL603[3]	CdSe	.25x.5	7350	133K	300	75
CL603A[3]	CdSe	.25x.5	7350	75K	300	75
CL603AL	CdSe	.25x.5	7350	3.5K	60	75
CL604[3]	CdSe	.25x.5	6900	30K	300	75
CL604L	CdSe	.25x.5	6900	1.5K	60	75
CL605	CdS	.25x.5	5500	166K	300	75
CL605L	CdS	.25x.5	5500	7.5K	60	75
CL607[3]	CdS	.25x.5	6150	133K	300	75

Operating temperature, all types, −50 to +75° C.
[1]Average DC resistance measured at 2 foot-candles, 2870° K. and 25° C ambient.
[2]With and without heat sink.
[3]Designed to replace previous plastic types. [4]At 25° C ambient. [5]S denotes side view cell.

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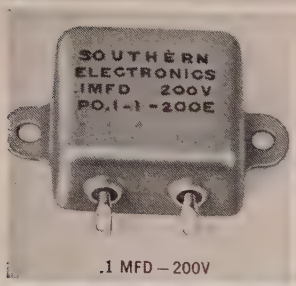
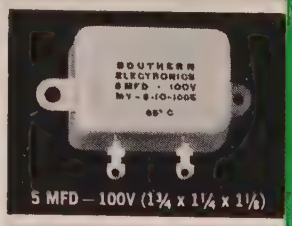
PLASTIC PRECISION CAPACITORS

Tubular .1 MFD—200V



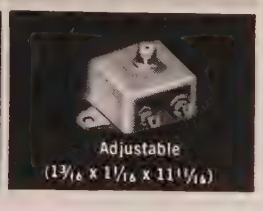
.1 MFD—200V

10 MFD ± 1% 200V
(4 7/16 x 3 1/16 x 2 1/8)



5 MFD—100V (1 3/4 x 1 1/4 x 1 1/8)

1 MFD—200V



Adjustable
(1 3/16 x 1 1/16 x 11 11/16)

Plug in (1 MFD—150V)

1. POLYSTYRENE

with these outstanding properties:

- Tolerances as close as 0.1%
- Insulation Resistance as HIGH as 1×10^{12}
- Dielectric Absorption as LOW as .0001
- Dissipation Factor as LOW as .0002
- Temperature Coefficient...100PPM per °C
- Stability as close as .05% drift in 1 yr.
- Voltage Derating...none to 170°F.
- **Hermetically sealed for enduring accuracy!**

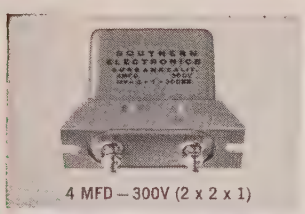
also available:

- Many other case styles or mounting brackets
- Any capacitance from .001 to 50 MFD (incl. special values)
- Voltages from 50 to 5000

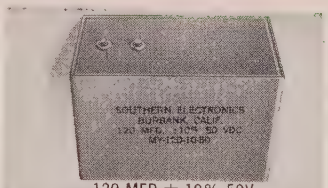
2. POLYESTER

with these outstanding properties:

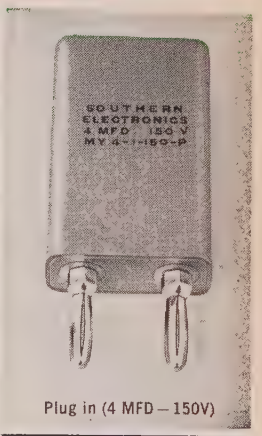
- Tolerances as close as 1%
- Insulation Resistance as HIGH as 1×10^{11}
- Dielectric Absorption as LOW as .001
- Dissipation Factor as LOW as .003
- Temperature Coefficient...800 PPM per°C
- Temperature range.....to 150°C.
- **Hermetically sealed for enduring accuracy!**



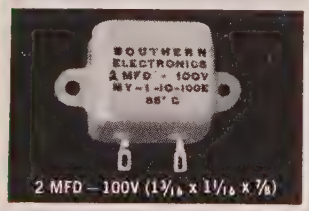
4 MFD—300V (2 x 2 x 1)



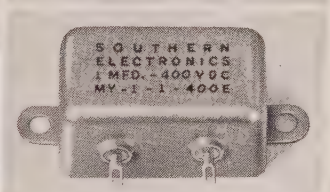
120 MFD ± 10% 50V



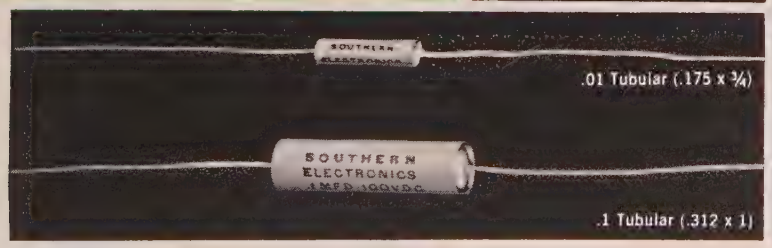
Plug in (4 MFD—150V)



2 MFD—100V (1 3/16 x 1 1/16 x 7/8)

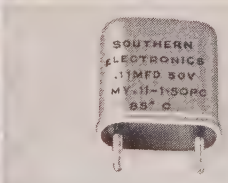


1 MFD—400V (1 3/4 x 1 1/4 x 1)

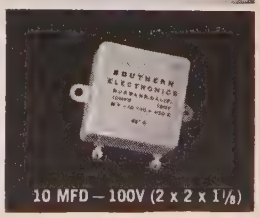


.01 Tubular (.175 x 3/4)

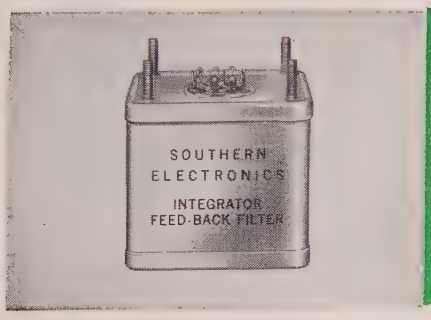
.1 Tubular (.312 x 1)



Printed Circuit Small .11 MFD—50V



10 MFD—100V (2 x 2 x 1 1/8)



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- Potted units
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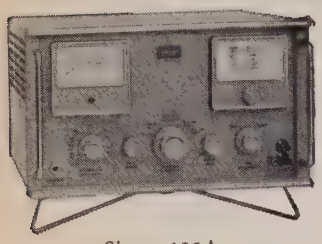


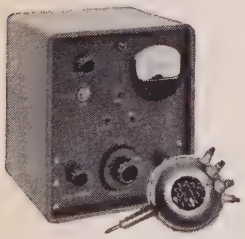
Sierra 125A
Frequency Selective Voltmeter

FREQUENCY SELECTIVE VOLTMETERS

NEW! NEW! Sierra Model 125A (pictured above). This new voltmeter covering the 3 to 600 KC frequency range is of modular construction, incorporates two selectivity settings and a flat voltmeter position. The narrow selectivity bandwidth is 250 cps wide at the 3 db points, and 1 KC wide at the 45 db points. The broad selectivity bandwidth is 2.5 KC wide at the 3 db points and 6 KC wide at the 45 db points. Accuracy on both bands is ± 2 db in level measurement. The accuracy of frequency measurement is ± 500 cps from 3 KC to 10 KC, ± 1 KC from 10 KC to 100 KC, and ± 2 KC from 100 KC to 600 KC. Line measurements can be made at either 135 ohms or 600 ohms balanced or unbalanced. As a Frequency Selective Instrument, the Model 125A has a measurement range from −90 to + 32 dbm. As a Flat Voltmeter its measurement range is −20 to + 32 dbm.

Sierra Model 114A operates in the 100 KC-800 KC frequency range. Its bandwidth is 1100 cps at the 3 db points and 5800 cps at the 45 db points. A frequency accuracy of ± 2 KC is noted at the low end of the dial and ± 3 KC at the upper end. Its measuring accuracy is ± 3 db. This model is designed for a 600 ohm unbalanced line measurement, but may be converted for 135 and 600 ohm balanced measurements by addition of plug-in bridging transformer Model 130D.

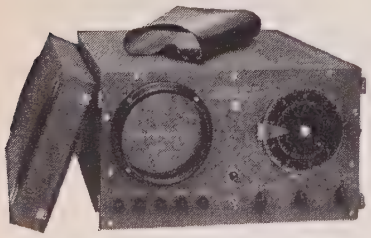
Sierra Model 158A is a 500 KC to 10 MC device with broad bandwidth capabilities. It is 4 KC wide at the 3 db points and 10 KC wide at the 45 db points. Its frequency accuracy is ± .08 MC and measurement accuracy is ± 2 db. It is designed for line measurements at 600 ohms unbalanced. Request Bulletins.



Sierra 193A Ionization Gauge and 192A Amplifier

IONIZATION GAUGE & AMPLIFIER

Model 193A Ionization Gauge and Model 192A Ionization Gauge Amplifier provide convenient, dependable and accurate monitoring of pressures during processing from 10^{-4} to 10^{-7} mm Hg. Monel encased Phillips type ion gauges operate for months without attention; amplifier includes high voltage rf power supply, VTVM, heater transformer and low voltage supply. Request Bulletin 118.



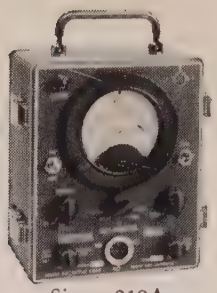
Sierra 124A Line Fault Analyzer

LINE FAULT ANALYZER

Designed for rapid location of faults on cables, transmission lines. Instantly pin-points shorts, opens, grounds; indicates nature of fault as well as exact location. Easy to use, high resolution.

Model 124A Line Fault Analyzer operates on most OPEN WIRE power, communications lines. Direct reading, range ½ to 200 miles. Sweep marker continuously adjustable from 5 to 100 miles, locates faults with accuracy of ¼ mile. Request Bulletin 102.

NEW IN-CIRCUIT TRANSISTOR TESTER

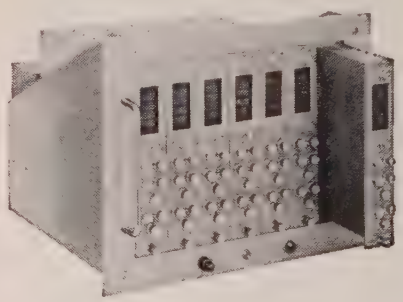


Sierra 219A
Transistor Tester

The new Sierra Model 219A Transistor Tester provides a technical breakthrough—a means for in-circuit transistor testing, saving hours of trouble shooting and service time. Designed with a unique combination of transistor circuits, using low impedance methods, the Tester will measure the Beta parameter of a transistor while it is connected in a circuit. Beta and Collector Current parameters may be measured with the transistor removed from the circuit. Test ranges are: Beta 10 to 100 and I_{co}, 0 to 50 microamperes. Accuracy in circuit is ± 20% for external loadings above 500 ohms, out of circuit ± 10%. Power is by internal battery (mercury or zinc carbon) with 1000 hours average life span; operating temperature 30° to 122°F, dimensions 9″ high x 7⅝″ wide x 6½″ deep. Test leads supplied. Request Bulletin.

WIDEBAND DIRECTIONAL COUPLERS

Sierra offers 9 Wideband Directional Couplers providing, collectively, coverage from 3 to 2000 MC. Directivity is 12 db ± 3 db greater than coupling factor at each frequency; impedance is variously 50 or 51.5 ohms. Six models are usable to 1000 watts; three to 150 KW peak. Primary connectors are Type N or Type LC female; secondary are Type N male. Request Bulletin.



Sierra 218 Monitor Oscilloscope

NEW MONITOR OSCILLOSCOPES

The New Sierra Oscilloscopes, Model 218 Series are especially designed for continuous function monitoring of as many as seven channels simultaneously in one rack unit. Rugged and compact, the Scopes provide a convenient means for viewing and evaluating complex voltages. Designed primarily for tape recording and data handling systems, the Scopes are particularly ideal for measuring and analyzing mechanical quantities through a transducer. Request Bulletin.

COAXIAL READOUT DEVICES

Increase Directional Coupler sensitivity, low VSWR, operates to 1,200 MC. 50 ohm impedance, filtered output. Request Bulletin.

THERMOPILE

Model 189A converts differential temperatures in flowing liquids to electrical energy. Output approximately 1 mv/°C. Request Bulletin 119.

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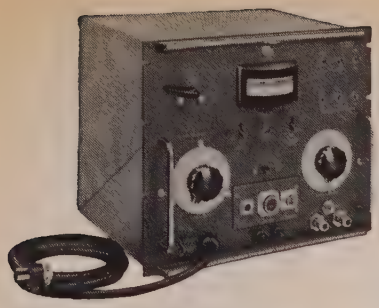


Sierra 290A Calorimeter

Sierra X187B Water Load

CALORIMETERS, WATER LOADS

Now Sierra offers two groups of Calorimeters and mating Water Loads for both waveguide and coaxial service.

Model 190 Calorimeter and Sierra Water Loads constitute a complete system for calorimetric power measurements in the SL, S, C, XB, and X bands measuring, respectively, 20 KW, 10 KW, 5 KW, 1 KW, and 2 KW, average. Request Bulletin M24 for additional data on Model 187 Water Loads, Model 190 Calorimeter has full scale ranges of 300, 600, 1500, and 3000 watts.

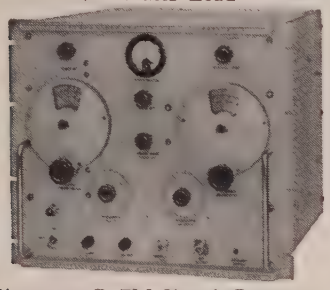
A Coaxial Liquid Cooled Load, Sierra 186A-Z (not shown) can be used with 190 Calorimeters to measure dc to 4 MC. Request Bulletins.

New Model 290A Calorimeter includes liquid flow controls, calibration sources and metering circuits. The calorimeter is self-calibrating and permits accuracies up to 1%. A closed loop circulating system with fluid pump and heat exchanger is available as an accessory. Request Bulletin.

New Model 287 Series Dual Water Loads provide balance measurements when used with Model 290A. 287 series loads are offered in SL, S, C, XB and X bands and, in conjunction with Model 290A; com prise a complete power measuring system. An unusual feature of the 287 series is that the thermopile is a part of the load, resulting in materially improved accuracy. Request Bulletin.

sierra

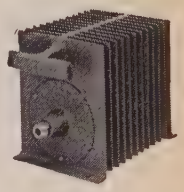
TRADE MARK



Sierra 201B FM Signal Generator

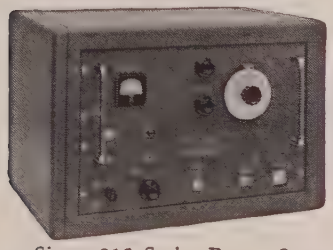
NEW! FM SIGNAL GENERATOR

New Sierra 201B FM Signal Generator covers 1300-2500 MC in one band with single direct reading control; dial accuracy 1%. Designed specifically for use with FM systems, this instrument offers superior FM characteristics. 1% deviation linearity for 2 MC peak to peak deviation. Accepts external modulation signals having bandwidths up to 500 KC. Can be AM modulated by internal square wave 800-1200 cps. Residual FM from spurious hum and noise less than 10 KC peak to peak. Request Bulletin.



50 OHM COAXIAL TERMINATIONS

New compact, lightweight Model 160 series coaxial terminations features stable operation over a wide frequency range and up to high ambient temperatures. High surface to volume ratio provide a very low VSWR from dc to 11 KMC (1 and 5 w. versions) or 6 KMC (20,100, 500 w. versions). Request Bulletin.



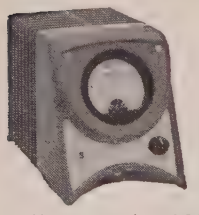
Sierra 215 Series Power Source

NEW POWER SOURCES—25 MC TO 1,000 MC

New Model 215 Series Power Sources permit fast, accurate calibration of Bi-Directional Power Monitors and Termination Wattmeters. Output power is adjustable from 20% to 100% of rated power, and tuning is continuous over frequency ranges. Units are self-contained including power supply, and are supplied in sturdy bench cabinets or can be rack mounted. Four models cover, respectively, 25 MC to 50 MC, 50 MC to 150 MC, 150 MC to 470 MC and 470 MC to 1,000 MC. All models have an output of 50 watts ± 1.5 db; use Type N connectors and operate from a 115 v, 60 cps input. Request Bulletin M19.

FIELD, LAB POWER MEASURING INSTRUMENTS

TERMINATION WATTMETERS



Sierra 185A-15FN Termination Wattmeter

Sierra 185A Series Average-Reading Termination Wattmeters are broadly useful, dependable instruments for terminating rf coaxial transmission systems or measuring rf power. They are ruggedly built, conservatively rated, and ideal as dummy loads for testing and adjusting transmitters and oscillators.

Three models offer, respectively, power ranges of 0 to 5/15, 0 to 30/100 and 0 to 150/500 watts. Other specifications (all models): frequency range 20 to 1,000 MC, accuracy ±5%, maximum VSWR 1.2, female N connectors. Request Bulletin 120.

BI-DIRECTIONAL POWER MONITORS

Sierra 164 Power Monitor

Sierra offers Power Monitors whose collective frequency ranges provide coverage from 2 MC to 1215 MC.

Model 164 Series (shown). Two plug-in elements cover 25 MC to 1,000 MC, measure incident and reflected power of 10, 50, 100 and 500 watts full scale. Another plug-in is similar but covers 2 MC to 30 MC. Also available are four lower power elements covering same range at 1, 5, 10 and 50 watts full scale. Power is read direct on linear scale accurate within ±5%. Insertion VSWR less than 1.08 (Type N connectors) except on 1 watt ranges where VSWR is 1.15. 50 ohm impedance. Model 164 with Type N or UHF connectors, male or female. Request Bulletin 111.

Model 194A-A Peak-Reading Power Monitor (not shown) measures incident and reflected peak power directly, 200 MC to 1,215 MC. 1, 3, 10 and 30 Kw peak, ±5% full scale. From 1 μsec, 400 pps up. Request Bulletin 122.

LOW PASS FILTERS

Model 184 Series Low Pass Filters have an insertion loss of not more than 0.4 db in pass band, sharp cut-off, 1.5 VSWR or less, and rejection greater than 60 db from 1.25 to 10 times cut-off frequency. Five models: for cut-off frequencies of 44, 76, 135, 230, 400 MC. Power range 250 watts in pass band, 25 watts in rejection band. Request Bulletin 115. *(Also higher frequency models. Request Bulletin M-23.)*

Data subject to change without notice.

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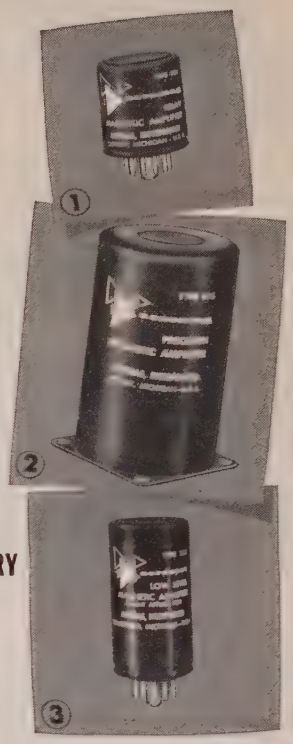
(2) PUSH-PULL INSTRUMENT AMPLIFIERS:—Outputs of ±7.5 volts DC from DC signals of 75 to 750 microamperes, depending upon model; use only 3 watts at 115 volts. Units have linear characteristics with balance and gains stabilized from −55° C to +100° C. Ideal for analog and process controls, with high reliability and stability. Available in twelve 60 and 400 cps models. Full engineering data in Technical Bulletins No. 46 and 60.

(3) "ACROSTAT" HIGH-GAIN, LOW-LEVEL PREAMPS:—A brand-new series of second harmonic magnetic null pre-amplifiers. Gains up to 1,000,000, Z_m; null balances to one micro-microwatt, DC. One micro-ampere of DC control gives one volt of DC output. Operates from 115 volts, ±10%. Ideal for thermocouples, strain gauges, null detectors, meter pre-amplifiers. Full data in Technical Bulletin No. 10.



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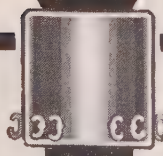

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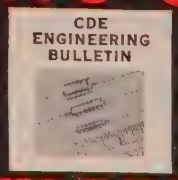

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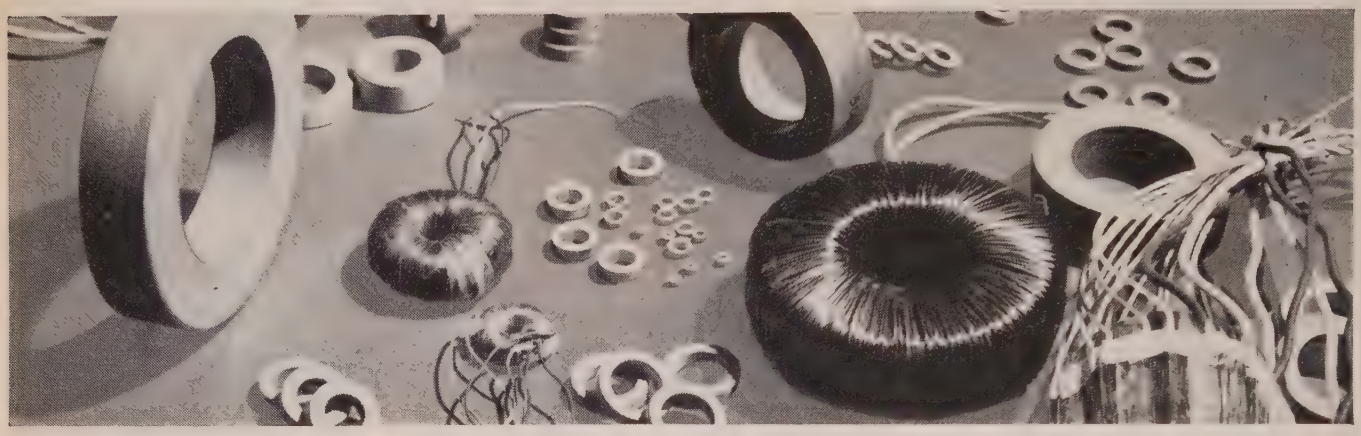

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Magnetics, Inc. offers high permeability tape wound cores with guaranteed maximum and minimum performance limits. Made from Orthonol®, Hy Mu-80* (square loop and high initial permeability), or 48 Alloy, cores are dry hydrogen annealed to meet a wide range of performance specifications. These cores are available immediately from stock.

For complete details: **Write for Catalog TWC-200**

TAPE WOUND SILICON (Magnesil) CORES are available in 2, 4 or 12 mil gauges for use in current transformers, magnetic amplifiers, saturable reactors and other applications. Available cased or uncased.

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TAPE WOUND BOBBIN CORES, capped with tough glass polyester (Poly Cap), offer permanent seal, do not distort with temperature, yet allow normal potting techniques. Available in stainless steel or ceramic bobbins, in all catalog sizes.

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**Hy Mu-80, reg. trademark of The Carpenter Steel Co.*

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Magnetics, Inc. guarantees practical inductance limits for both stabilized and non-stabilized powder cores. Available with standard baked enamel and wax-tight finishes; cores can be numerically coded within the guaranteed inductance limits at slight extra cost. Furnished in eight standard sizes, with outside diameters from .500-in. to 1.570-in.; and inside diameters from .300-in. to .950-in.

For complete details: **Write for Bulletin PC-203**

160 MU MOLY-PERMALLOY POWDER CORES, for audio filter low frequency applications, gives circuit designers advantages of higher inductance, higher Q, and miniaturization.

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For complete details: **Write Applications Engr. Dept.**

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POWER CONTROL UNIT

To provide a packaged device, CONTROL has designed into a unit, two solid state thyratrons, a CONTROL Amplifier, heat sinks and other necessary components. One milliwatt input controls three kilowatts; output is rectified full wave d-c, 103 volts (d-c average reading) when operated from 120-volt, 60-cycle supply.

CONTROL AMPLIFIER—A specially designed magnetic amplifier which controls the thyratron's firing angle so that output power is proportionate to one or more signals. The CONTROL Amplifier also permits insertion of multiple, isolated signals, either for "logic" or for random control functions. Full wave a-c or d-c output at 120 volts, 60 cycles.

REACTOR ASSEMBLIES for power switching and proportioning

SWITCHING REACTORS—These are reactors designed for self-saturating magnetic amplifier circuitry to control such loads as solenoid valves, magnetic clutches and motor contactors, and at the same time perform logic functions. Handles a-c or d-c loads; logic functions are performed through simple external connections to multiple control windings. Available in 15 VA, 75 VA, 150 VA and 300 VA, in models which operate from standard 120-volt a-c supply and deliver slightly below load voltage; in models which operate from slightly above standard line voltage and deliver standard load voltage; and in models which operate from standard line voltage and deliver standard load voltage.

PROPORTIONING REACTORS—These units are used for regulation in such varied applications as motor and generator control, switchgear, conveyors and trolleys. Available in eleven units each in 120 volts or 240 volts, with ratings from 90 VA to 3 KVA. Extremely sensitive: 2.25 ampere-turns swing the smallest unit from full on to off; only 4.25 ampere-turns control the largest proportioning reactor in the line. All are high gain, and provide 40:1 ratio between maximum and minimum outputs.

TRANSDUCTORS for metering, recording or control of heavy loads from d-c bus bars

CURRENT TRANSDUCTORS—Essentially a pair of Orthonol® cores wound in series opposition, the Current Transductor acts as a "d-c transformer" to the bus bar running through it. Capacities range from 200 to 25,000 amperes. Output, directly proportional to the bus bar, is accurate to ±1%. Current Transductors are ideal for metering, overload relaying, controlling feedback signals to magnetic amplifiers, or for use with other transductors in a summation system

COMPENSATED TRANSDUCTORS—To create a shield from stray currents, CONTROL has developed the Compensated Transductor. It can be used close to other bus bars with no danger of current interference; it eliminates the need to position the bus bar in the exact center of the transductor. Specifications are similar to those for Current Transductors.

VOLTAGE TRANSDUCTORS—A control device used primarily in d-c voltage measurement, the Voltage Transductor gives isolation between the high voltage measured and the metering circuit. It can also be used as a regulator (it provides a useable output signal proportional to measured voltage), and as an over-voltage protector. It operates from 120 volts, 60 cycle, single phase, to measure up to 1000 volts. Accuracy is within ±1%.

LOW LEVEL AMPLIFIERS for control and instrumentation with minute signals

INSTRUMENTATION AMPLIFIERS—To provide devices compatible with such low level transducers as photocells, strain gauges, thermistors, shunts and thermocouples, CONTROL manufactures the Instrumentation Amplifier. An extremely versatile, linear magnetic amplifier, the unit has an output of ±10 volts d-c in response to signals of ±50 microamperes, with ±1% linearity in this range. Nominal termination load is 2,000 ohms.

PREAMPLIFIERS — CONTROL'S Preamplifier takes small signals from photo tubes or thickness gauges (typically) and builds them into signals usable by proportioning or switching reactors. Output is 3 VA; amplification approx. 75 volts per ampere-turn. The Preamplifier needs only 32 volts rms for supply.

Please address all inquiries to:
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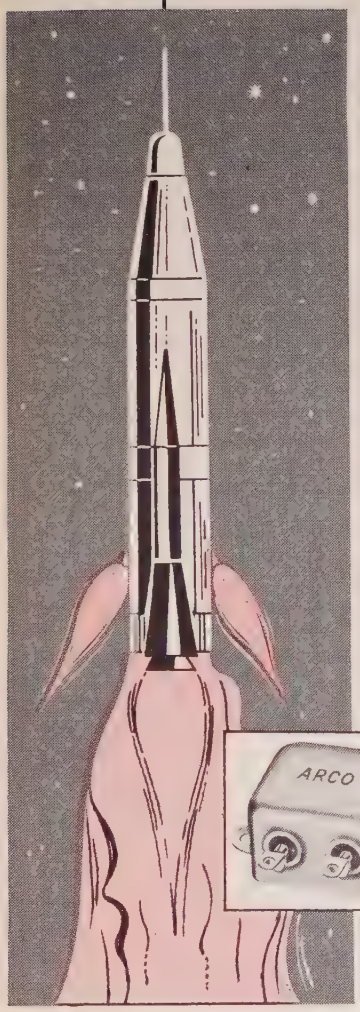

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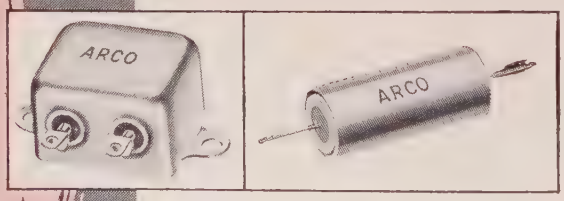

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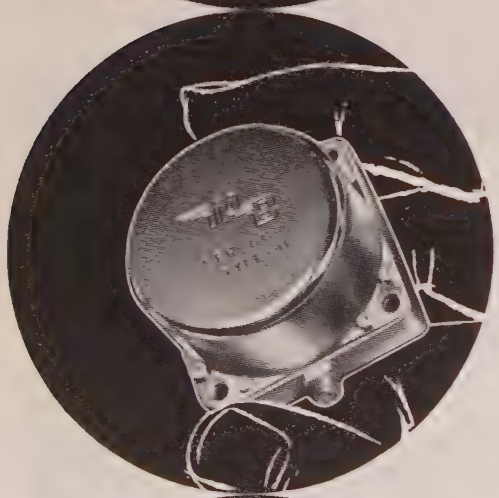
A broad range of amplifiers, vibration exciters, and specialized matched controls form integrated systems for simple sine wave through complex motion testing. Force lbs. vector to 25,000 . . . frequencies from 5 to 10,000 cycles. MB amplifiers feature automatic, push-button operation. Controls facilitate automatic cycling. In producing the widest scope of complete systems for vibration testing, MB has accumulated unmatched experience in the techniques of testing. It is applied with engineering imagination, administered through the largest field force of vibration specialists. It is ready to help you. Send for bulletins on vibration test system specifications.



VIBRATION MEASUREMENT INSTRUMENTS

Vibration pickups and meters for measurement and read-out complement MB test systems. Velocity-type pick-ups are available for low frequency, high frequency and shock testing, at temperatures ranging from $-50°F$ to $+500°F$. They are calibrated to $\pm 1\%$ accuracy. New, miniaturized VIBRAMITE pickup weighs only 2.75 ounces. Eddy current damping provides flat response to 2,000 cps.

A three position switch on MB meters permits readings directly in "g" vector, velocity in inches per second vector, or displacement in inches total amplitude. Models available for battery or 110 volt, 60 cycle operation, with provision for input from two or four pickups. Send for bulletins.

VIBRATION ISOLATORS

Isomode® industrial and military vibration isolators featuring large deflection ratings . . . high load capacity . . . small size . . . exceptional stability . . . equal spring rate in all directions. Units for special applications developed to specifications. Send for data.

Pioneer and leader in the field of vibration

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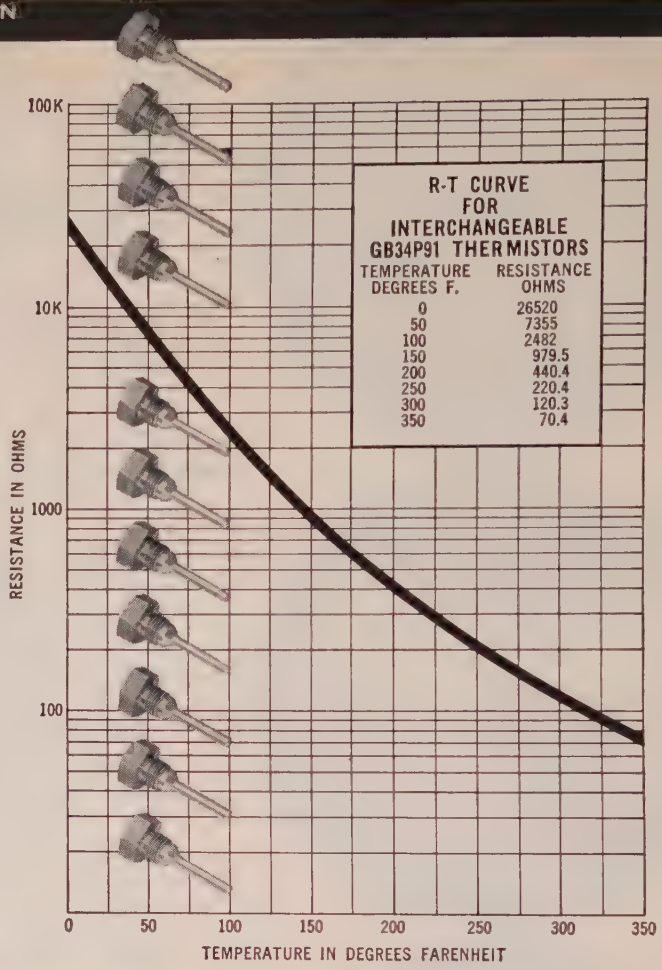
BREAKTHROUGH! IN THERMISTOR DESIGN

Fenwal Electronics' new "identical" thermistors permit complete interchangeability! What do you need from a thermistor in the way of performance? Reliability? Extreme stability? High shock resistance? Long life? Fenwal Electronics can supply it. But Fenwal Electronics' thermistors provide an additional important characteristic all their own: **they can be supplied with identical resistance temperature curves.**

That means that now, for the first time, you can have complete interchangeability. It means you can rely absolutely on consistently accurate resistance changes versus temperature of Fenwal Electronics' thermistors. It means also you can now achieve accurate, multi-point temperature indication or control through a single system without having to calibrate out each individual sensor.



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DISCS . . .

— 0.1" to 1" diameter. Resistance values: 5 ohms to 1,000 ohms

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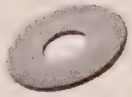

— .75" diameter. Resistance values: 5 ohms to 3000 ohms

RODS . . .

— 0.053" to 0.173" diameter varying lengths. Resistance values: 500 ohms to 500,000 ohms

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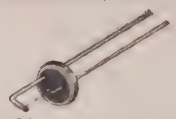
— Built to your specific requirements,* enclosed and mounted in individual housings or "packages" and ready to install

E-I Matched pairs



— Thermistor beads matched to voltage current characteristics and mounted on special hermetically sealed stems, designed for use in thermal conductivity gas analysis instruments.

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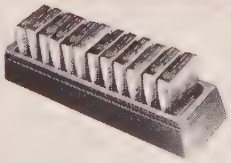

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*Probes can be supplied individually calibrated at all desired temperatures. When interchangeability is required, they can be supplied with identical resistance-temperature characteristics.

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Eimac First for Reliability in Power Electron Tubes

DIODES AND RECTIFIERS

	U.S.A. Price	Filament Voltage Volts	Filament Current Amps	Peak Inverse Voltage Volts	Peak Plate Current Amps	Average Plate Current ma	Plate Dissipation Watts
2-01C	$ 18.50	5.0	0.35	1,000	.....	1	0.1
2-25A	16.45	6.3	3.0	25,000	1.0	50	15
2-50A	17.70	5.0	4.0	30,000	1.0	75	30
2-150D	38.55	5.0	12.5	30,000	3.0	250	90
2-240A	42.85	7.5	11.7	25,000	4.0	500	150
2-450A	100.75	7.5	26.5	30,000	8.0	1000	450
2-2000A	228.00	10.0	23.5	75,000	12.0	750	1200
250R	32.15	5.0	10.5	60,000	2.5	250	150
8020(100R)	12.85	5.0	6.5	40,000	1.5	100	60
2X1000A	127.50	26.5	2.1	25,000	25.0[4]	1250[4]	1000
2X3000F	149.00	7.5	51.0	25,000	20.0	3000	3000
KY21A	26.75	2.5	10.0	11,000	3.0	750	.....
RX21A	25.75	2.5	10.0	11,000	3.0	750	.....

PREFORMED CONTACT FINGER STOCK

A prepared strip of silver-plated spring material, slotted and formed into a series of fingers designed to make sliding contact.

Single Edge	Width	U.S.A. Price per Pc.
CF-100	17/32"	$4.95
CF-300	31/32"	5.40
CF-500	1 3/8"	6.00
CF-900	31/64"	4.95

Double Edge	Width	U.S.A. Price per Ft.
CF-200	13/16"	$6.30
CF-400	1 17/32"	7.65
CF-600	2 1/4"	8.85

Klystron Types	Width	U.S.A. Price per Ft.
CF-700	17/32"	$5.70
CF-800	13/32" x 7/16"	5.55

Used as contact between klystrons and externally-tuned cavities. Available in 3-foot lengths only.

PULSE MODULATORS

	U.S.A. Price	Plate Dissipation Watts	Plate Voltage Volts	Plate Current ma	Grid Dissipation Watts	Screen Voltage Volts	Screen Dissipation Watts	Filament Voltage Volts	Filament Current Amps	Amplification Factor
4PR60A	$100.00	60	20,000	18,000[3]	....	1500	8	26.0	2.1	....
4PR400A	60.00	400	20,000	4,000[3]	10	2500	35	5.0	14.0	....
4PR1000A	145.00	1000	30,000	8,000[3]	25	2500	75	7.5	21.3	....
6C21	82.50	300	30,000	15,000[3]	50	.....	....	8.2	17.06	30

HEAT DISSIPATING CONNECTORS

Type	Hole Diameter	U.S.A. Price
HR-1	.052	$ .60
HR-2	.062	.77
HR-3	.072	.77
HR-4	.102	.80
HR-5	.127	.80
HR-6	.367	.80
HR-7	.127	1.60
HR-8	.575	1.60
HR-9	.569	3.00
HR-10	.510	1.60

TUBE EXTRACTOR

A spring-steel extractor for use with the 4X150 series, 4X250 series and 2C39 series tubes. SK-604 U.S.A. Price $ .57

VACUUM SWITCHES

Single-pole double-throw switch within a high vacuum adaptable for high-voltage switching. Contact spacing .015". Switch will handle R-F potentials as high as 20 Kv. In D-C switching will handle approximately 1.5 Amps. at 5 Kv.

Type	U.S.A. Price	Coils	U.S.A. Price
VS-2	$23.93	12V	$10.29
VS-4	29.00	24V	10.29
VS-5	38.55		
VS-6	34.25		

100 IG IONIZATION GAUGE

For measuring pressures from 10^{-3} to less than 10^{-8} mm of mercury. U.S.A. Price $71.45

HV-1 DIFFUSION PUMP

Triple-jet, air-cooled vacuum pump of the oil-diffusion type. Capable of reaching an ultimate vacuum of 4×10^{-7} mm of mercury when used with suitable forepump. U.S.A. Price $292.50

AIR SYSTEM SOCKETS

	U.S.A. Price	Tube	Screen By-Pass Capacitor uuf	Special Characteristics
SK-300	$107.15	4CX5000A; 4CW10,000A	none	
SK-400	17.65	4-400A; 4-250A; 4-125A	none	
SK-500	20.70	4-1000A	none	
SK-600	11.90	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	2700	No terminals grounded.
SK-602	11.90	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	2700	No terminals grounded. (Special SK-600)
SK-610	12.65	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	2700	Cathode terminals grounded.
SK-620	16.80	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	1100	No terminals grounded. Screen by-pass capacitor plastic sealed.
SK-630	18.85	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	1100	Cathode terminals grounded. Screen by-pass capacitor plastic sealed.
SK-640	5.35	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	none	No terminals grounded.
SK-650	8.60	4X150A; 4X150D; 4X250B; 7580; 4CX250F; 4CX250B; 4W300B	none	
SK-655	5.86	(Screen by-pass capacitor for use with SK-650)	1100	Plastic sealed.
SK-700	21.45	4CX300A; 4CN15A; 4CX125C	1100	1 heater grounded.
SK-710	21.45	4CX300A; 4CN15A; 4CX125C	1100	1 heater and cathode grounded.
SK-740	9.80	4CX300A; 4CN15A; 4CX125C	none	No terminals grounded.
SK-760	9.80	4CX300A; 4CN15A	none	Integral chimney. No terminals grounded.
SK-770	9.80	4CX300A; 4CN15A	none	Integral chimney, screen terminals grounded.
SK-800A	55.70	4CX1000A; 4CW2000A	1500	No terminals grounded.
SK-810	55.70	4CX1000A; 4CW2000A	1500	1 heater and cathode grounded
SK-900	68.55	4X500A	650	

CHIMNEYS

	U.S.A. Price
SK-306	$ 6.45
SK-406	8.60
SK-506	12.85
SK-606	.65
SK-626	.80
SK-636	6.45
SK-806	8.55
SK-906	10.70

[1] Waveguide Output Fitting
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[3] Pulse
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[5] Cathode Current
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[7] TV Peak-Synchronizing Level
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[10] 15 Mc Bandwidth, 3 db points.

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POWER AMPLIFIER KLYSTRONS

	U.S.A. Price	TYPICAL OPERATION Output Power, Watts CW	Pulse	Power Gain db	Frequency Range Mc	MAXIMUM RATINGS Beam Voltage Volts	Beam Current Amps
3K2500LX	$ 2,360.00	1,320	.....	25	980-1200	7,000	0.6
3K2500SG	2,950.00	1,300	.....	25	1700-2400	7,000	0.6
3K3000LQ	2,360.00	2,400	.....	25	610-985	10,000	0.75
3K50,000LA	4,200.00	10,000	12,000 [7]	25	400-600	20,000	2.5
3K50,000LF	4,200.00	10,000	12,000 [7]	25	570-720	20,000	2.5
3K50,000LQ	4,200.00	10,000	12,000 [7]	25	720-985	20,000	2.5
3KM3000LA	2,470.00	2,300	.....	30	385-585	10,000	0.75
3KM4000LT	1,880.00	.....	38,200	30	960-1215	28,000 [3]	6.0 [3]
3KM50,000PA	11,000.00	20,000	50,000	35	225-400	30,000 [3]	2.5
4K50,000LQ	4,560.00	11,200	.....	55	600-985	20,000	2.5
4KM3000LQ	3,750.00	2,000	.....	30	710-985	10,000	0.75
4KM3000LR	2,420.00	2,000	.....	45	610-985	10,000	0.75
4KM50,000LA	4,230.00	10,000	.....	55	400-610	20,000	2.5
4KM50,000LQ	3,760.00	10,000	.....	55	610-985	20,000	2.5
4KM50,000SG	10,000.00	11,400	.....	40	1700-2400	18,000	2.0
4KM170,000LA	23,500.00	75,000	.....	45	300-500	35,000	5.0
4KMP10,000LF	10,800.00	.....	400,000	55	570-630	70,000 [3]	16.5 [3]
6K50,000LQ	8,250.00	9,000	.....	30	720-980	20,000	2.5
X-626		.....	1,250,000	26	400-450	110,000 [3]	36.5 [3]

REFLEX KLYSTRON OSCILLATORS

	U.S.A. Price	MAXIMUM RATINGS Resonator Voltage Volts	Resonator Dissipation Watts	Cathode Current ma	Reflector Voltage Volts (Typical)	ELECTRICAL CHARACTERISTICS Heater Voltage Volts	Heater Current Amps	Frequency Range Mc	Power Output Watts
1K015CA [2]	$618.00	350	20	55	—250	6.3	0.8	5,350 to 5,950	0.070
1K015CG [1]	618.00	350	20	55	—250	6.3	0.8	5,350 to 5,950	0.070
1K20XD [1]	475.00	350	20	55	—175	6.3	0.8	10,000 to 10,700	0.075
1K20XK [1]	475.00	350	20	55	—160	6.3	0.8	9,200 to 10,000	0.075
1K20XS [1]	475.00	350	20	55	—140	6.3	0.8	8,500 to 9,200	0.075
1K75CH [2]	810.00	850	75	100	—350	6.3	1.1	4,300 ± 50	1.0
1K75CK [1]	810.00	850	75	100	—350	6.3	1.1	4,300 ± 50	1.0
1K125CA [1]	298.00	1,000	125	110	—285	6.3	1.2	3,700 to 4,400	1.25
1K125CB [1]	298.00	1,000	125	110	—335	6.3	1.2	4,400 to 5,000	1.8
1K125CC [1]	730.00	1,000	125	110	—335	6.3	1.2	4,400 to 5,000	2.0

TETRODES

	U.S.A. Price	MAXIMUM RATINGS Plate Dissipation Watts	Plate Voltage Volts	Plate Current ma	Grid Dissipation Watts	Screen Voltage Volts	Screen Dissipation Watts	ELECTRICAL CHARACTERISTICS Filament Voltage Volts	Filament Current Amps	Amplification Factor
4-65A	$ 26.75	65	3,000	150	5	600	10	6.0	3.5	.....
4-125A	36.00	125	3,000	225	5	600	20	5.0	6.5	.....
4-250A	46.50	250	4,000	350	10	600	35	5.0	14.0	.....
4-400A	48.00	400	4,000	350	10	800	35	5.0	14.0	.....
4-1000A	132.00	1,000	6,000	700	25	1,000	75	7.5	21.0	.....
4CN15A	55.00	15	2,500	250	2	400	12	6.0	2.7	.....
4CW2000A	210.00	2,000	3,000	1,000	....	400	12	6.0	10.5	.....
4CW10,000A	625.00	10,000	7,500	4,000	75	1,500	250	7.5	75.0	.....
4CX125C	55.00	125	2,500	250	2	400	12	6.0	3.0	.....
4CX250BA (7580)	45.00	250	2,000	250	2	500	12	6.0	2.6	.....
4CX250B	45.00	250	2,000	250	2	400	12	6.0	2.6	.....
4CX250F	45.00	250	2,000	250	2	400	12	26.5	.56	.....
4CX250K	64.25	250	2,000	250	2	400	12	6.0	2.6	.....
4CX250M	72.15	250	2,000	250	2	400	12	26.5	.60	.....
4CX300A	55.00	300	2,500	250	2	400	12	6.0	3.0	.....
4CX1000A	156.00	1,000	3,000	1,000	....	400	12	6.0	10.5	.....
4CX5000A	495.00	5,000	7,500	4,000	75	1,500	250	7.5	75.0	.....
4W300B	52.86	300	2,000	250	2	400	12	6.0	2.6	.....
4W20,000A	1,850.00	20,000	8,000	15,000	60	1,500	200	10.0	30.0 [9]	.....
4X150A	29.35	250	2,000	250	2	400	12	6.0	2.6	.....
4X150D	29.35	250	2,000	250	2	400	12	26.5	0.57	.....
4X150G	58.00	150	1,250	250	2	400	12	2.5	6.8	.....
4X250B	42.50	250	2,000	250	2	400	12	6.0	2.6	.....
4X500A	128.50	500	4,000	350	10	500	30	5.0	13.0	.....

PENTODE

4E27A/5-125B	$ 42.85	125	4,000	200	5	750	20	5.0	7.56	.....

TRIODES

2C39A	$ 22.50	100	1,000	125 [5]	2	.....	.....	6.3	1.0	100
2C39WA	30.00	100	1,000	125 [5]	2	.....	.....	6.3	1.0	100
3C24	16.05	25	2,000	75	7	.....	.....	6.3	3.0	24
3CPN10A5	32.15	10	3,500 [3]	3.0 [3]	2	.....	.....	6.0	1.0	100
3CX100A5	32.15	100	1,000	125 [5]	2	.....	.....	6.0	1.0	100
3W5000A1	210.00	5,000	6,000	2,500	50	.....	.....	7.5	51.0	5
3W5000A3	198.00	5,000	6,000	2,500	150	.....	.....	7.5	51.0	20
3W5000F1	210.00	5,000	6,000	2,500	50	.....	.....	7.5	51.0	5
3W5000F3	198.00	5,000	6,000	2,500	150	.....	.....	7.5	51.0	20
3X100A5	25.00	100	1,000	125 [5]	2	.....	.....	6.3	1.0	100
3X2500A3	198.00	2,500	6,000	2,500	150	.....	.....	7.5	51.0	22
3X2500F3	198.00	2,500	6,000	2,500	150	.....	.....	7.5	51.0	22
3X3000A1	198.00	3,000	6,000	2,500	50	.....	.....	7.5	51.0	5
3X3000F1	198.00	3,000	6,000	2,500	50	.....	.....	7.5	51.0	5
25T	16.10	25	2,000	75	7	.....	.....	6.3	3.0	24
35T	21.40	50	2,000	150	15	.....	.....	5.0	4.0	39
75TH	28.00	75	3,000	225	16	.....	.....	5.0	6.2	20
75TL	28.00	75	3,000	225	13	.....	.....	5.0	6.2	12
100TH	23.60	100	3,000	225	20	.....	.....	5.0	6.2	38
100TL	23.60	100	3,000	225	15	.....	.....	5.0	6.2	14
250TH	35.40	250	4,000	350	40	.....	.....	5.0	10.5	37
250TL	35.40	250	4,000	350	35	.....	.....	5.0	10.5	14
304TH	60.50	300	3,000	900	60	.....	.....	5 or 10	25 or 12.5	20
304TL	60.50	300	3,000	900	50	.....	.....	5 or 10	25 or 12.5	12
450TH	77.00	450	6,000	600	80	.....	.....	7.5	12.0	38
450TL	77.00	450	6,000	600	65	.....	.....	7.5	12.0	18
592/3-200A3	42.50	200	3,500	250	25	.....	.....	10.0	5.0	25
750TL	137.50	750	10,000	1,000	100	.....	.....	7.5	21.0	15
1000T	137.50	1,000	7,500	750	80	.....	.....	7.5	15.5	35
1500T	261.00	1,500	8,000	1,250	125	.....	.....	7.5	23.5	24
2000T	340.00	2,000	8,000	1,750	150	.....	.....	10.0	23.5	23

RF DUMMY LOAD

	Frequency Range Mc	Maximum Input Power Watts	Maximum VSWR	Coolant	RF Connector
WL-110	450 to 1200	15,000	1.3 to 1	Liquid	3⅛" Coaxial Line
WL-120	600 to 1200	20,000	1.1 to 1	Liquid	3⅛" Coaxial Line
WL-130	400 to 1200	20,000	1.1 to 1	Liquid	3⅛" Coaxial Line
WL-140	200 to 1200	20,000	1.2 to 1	Liquid	3⅛" Coaxial Line
WL-200	1700 to 2400	24,000	1.1 to 1	Liquid	RG-104/U Waveguide

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The accepted means for non-mechanical control of inductance, reactance, and resonant frequency.

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illustrated here include approximately 30 tried-and-proven designs of broad utility. All are encapsulated and hermetically sealed, often meet customer requirements as is, and are carried in stock. Their characteristics are tabulated below. In addition we have tailored some 200 "specials" to exact and varied specifications, including subminiature and printed-circuit types.

Send us your specifications for evaluation without obligation.

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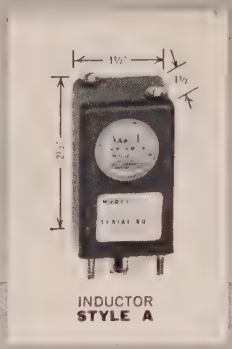
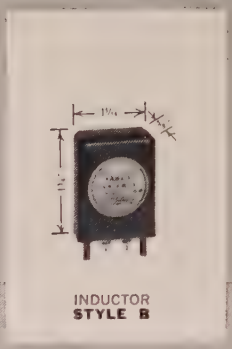
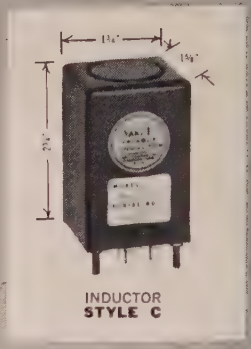


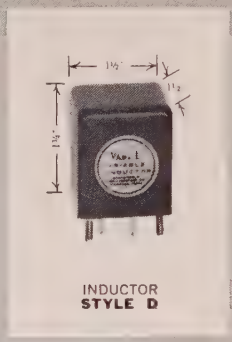
INDUCTOR
STYLE A



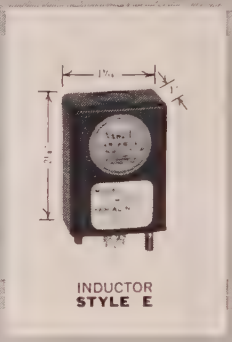
INDUCTOR
STYLE B



INDUCTOR
STYLE C

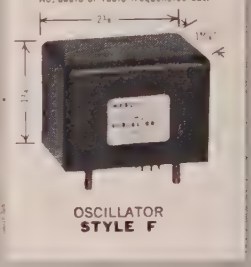


INDUCTOR
STYLE D



INDUCTOR
STYLE E

VARI-F
Transistor Oscillator coupled with Vari-L Inductor, in one compact unit. DC in — variable frequency AC, audio or radio frequencies out.



OSCILLATOR
STYLE F

VARI-L

REPRESENTATIVE VARI-L INDUCTORS GENERALLY IN STOCK FOR IMMEDIATE DELIVERY

MODEL	MAXIMUM INDUCTANCE (±10%)	INDUCTANCE AT SATURATION	TYPICAL FREQUENCY AT ZERO CONTROL CURRENT (f-START)†	VALUE TO WHICH FREQUENCY AT LEFT WILL INCREASE AT SATURATION	CONTROL CURRENT FOR SATURATION	CONTROL-WINDING INDUCTANCE	CONTROL-WINDING RESISTANCE	STYLE	PRICE - ONE UNIT - SEE PRICE LIST FOR QUAN DISC.	MODEL
EL-215	130 Henries	.58 Henries	200 Cycles	3000 Cycles	50 MA	2.5 Henries	20 Ohms	D	$52.50	EL-215
PA-28	4 Henries	63 MH	1000 Cycles	8000 Cycles	50 MA	7.2 Henries	450 Ohms	A	52.50	PA-28
TF-2X10	1 Henry	10 MH	5000 Cycles	50 KC	50 MA	5 Henries	450 Ohms	D	47.50	TF-2X10
PA-3Y6	500 MH	14 MH	7500 Cycles	45 KC	50 MA	4.3 Henries	450 Ohms	A	39.50	PA-3Y6
PA-4U6	100 MH	3 MH	15 KC	90 KC	50 MA	4.3 Henries	450 Ohms	A	39.50	PA-4U6
TF-49	50 MH	.6 MH	25 KC	225 KC	50 MA	5 Henries	450 Ohms	D	45.00	TF-49
PA-47	5 MH	.1 MH	50 KC	350 KC	40 MA	7 Henries	450 Ohms	A	47.50	PA-47
TF-59	5 MH	06 MH	100 KC	900 KC	50 MA	5 Henries	450 Ohms	D	45.00	TF-59
PA-56	.8 MH	.02 MH	400 KC	2.4 MC	40 MA	5 Henries	450 Ohms	A	47.50	PA-56
PA-6Y3	320 μh	3.5 μh	750 KC	2.25 MC	50 MA	3 Henries	450 Ohms	A	45.00	PA-6Y3
PA-63	45 μh	5 μh	2 MC	6 MC	50 MA	3 Henries	450 Ohms	A	45.00	PA-63
PA-6T3	16 μh	2 05 μh	4 MC	11 2 MC	50 MA	3 Henries	450 Ohms	A	45.00	PA-6T3
PA-7X2	4.5 μh	1.1 μh	8 MC	16 MC	40 MA	1.25 Henries	775 Ohms	A	45.00	PA-7X2
MF-58	320 μh	5 μh	750 KC	6 MC	25 MA	1.3 Henries	400 Ohms	B	32.50	MF-58
MF-68	50 μh	.75 μh	1.5 MC	12 MC	25 MA	1.3 Henries	400 Ohms	B	32.50	MF-68
MF-62	7 μh	1 μh	8 MC	20 MC	50 MA	1.6 Henries	400 Ohms	B	32.50	MF-62
MF-7R2	1.6 μh	.4 μh	20 MC	40 MC	50 MA	1.3 Henries	400 Ohms	B	32.50	MF-7R2
MF-7W2	.5 μh	.15 μh	60 MC	108 MC	50 MA	1.3 Henries	400 Ohms	B	32.50	MF-7W2
MF-82	.2 μh	.09	100 MC	150 MC	50 MA	1.3 Henries	400 Ohms	B	32.50	MF-82
MF-811C	.1 μh	.065 μh	165 MC	206 MC	50 MA	1.3 Henries	400 Ohms	B	32.50	MF-811C
SPECIAL-PURPOSE TYPES										
OM-101	1.6 μh	.4 μh	20 MC	Ovenized MF-7R2. Heater specs. to order				C	60.00	OM-101
OM-102	.5 μh	.15 μh	60 MC	Ovenized MF-7W2. Heater specs. to order				C	60.00	OM-102
OM-103	.2 μh	.09 μh	100 MC	Ovenized MF-82. Heater specs. to order				C	60.00	OM-103
MF-52	.25 MH	.05 MH	500 KC	Low temp. drift, low hysteresis. Ideal for FM				B	38.00	MF-52
E-4Y8	40 MH	.65	25 KC	Delayed response for max. usable range				A	47.50	E-4Y8
TF-4X1	7 MH	3.1 MH	50 KC	Very low drift, low hysteresis — for telemetering				A	47.50	TF-4X1
WF-4R7	25 MH	5 MH	50 KC	To sweep 100 KC region without dimensional resonances				E	45.00	WF-4R7
MF-7K2	.6 μh	.2 μh	60 MC	Temperature-stabilized. Similar to MF-7W2 but less range				B	32.50	MF-7K2

†Good performance can be expected with starting frequencies roughly 50% above or below those shown — Model MF-811C excepted.

*Prices subject to change without notice.

RIBET DESJARDINS

Atomic power, exceeding even man imagination, has opened up ways to infinity for the modern world. Our document introduces one of the great French realisations in that sphere : the EL 3 pile at the **SACLAY CENTRE for NUCLEAR RESEARCHES.**
In EL 3 works, the Ribet-Desjardins 204 A synchroscope, able to observe phenomena, lasting for 1/100,000,000 th of a second, ensures control of the electronic equipment on which all experiments in nuclear physics rely.

The Ribet-Desjardins 204 A synchroscope is an instrument designed for accurate measuring of ultra-rapid phenomena.

With it, photographic recordings are possible up to a speed of 4,000 Km/sec on the screen.

The vertical amplifier band-width, reaching 50 MHz with an attenuation of 3 dB only, enables a rise time of 7 millimicroseconds to be obtained.

Its sweep device facilitates examination of complex phenomena, in particular detailed inspection, without jitter of any part, very short, of the phenomena.

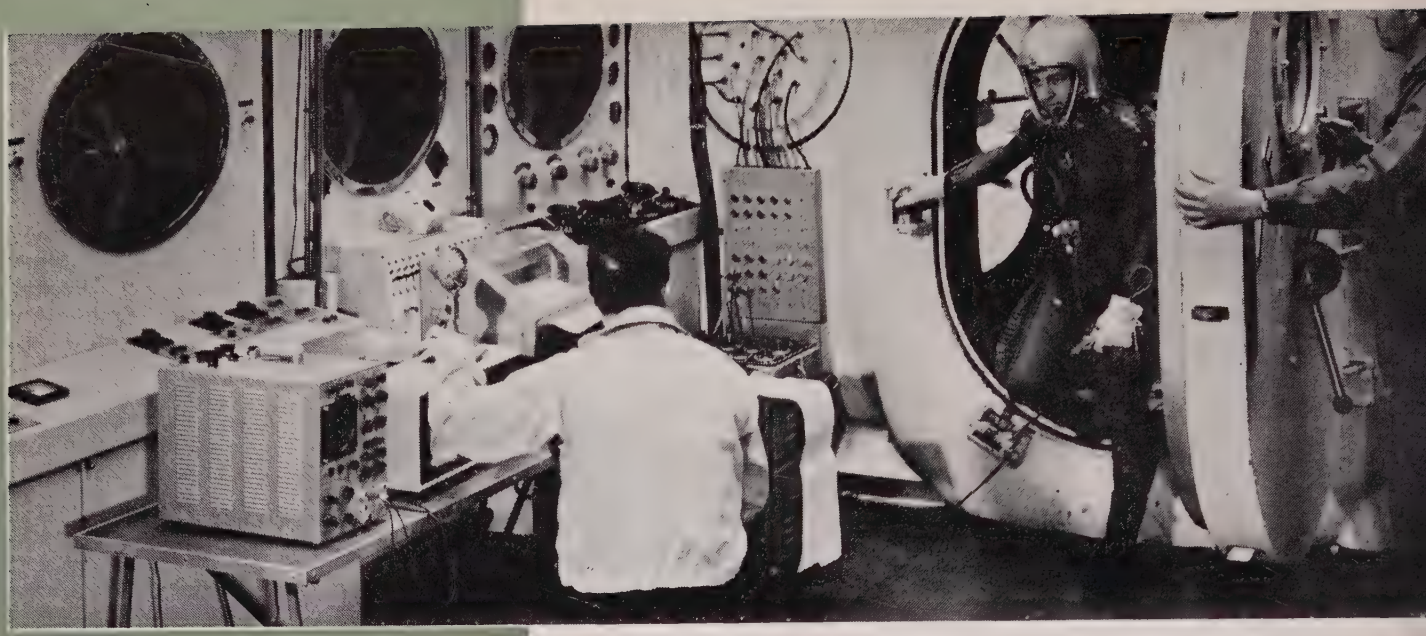
That instrument is used in the field of nuclear energy, in ballistics and in electronics, every time duration and complexity of the phenomenon enforces very high performances on the measuring or control instruments, that is :

a) a very luminous cathode-ray tube (20 kilovolts Post-acceleration).

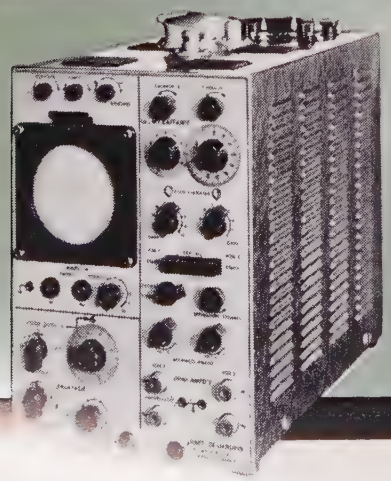
b) an all-purpose horizontal sweep system.

c) a vertical amplifier meeting both the requirements of very low frequencies and those of the rapid transients.

RIBET DESJARDINS
MEASURE-CONTROL DEPARTMENT
13-17, RUE PÉRIER, MONTROUGE (SEINE) - TÉL. : ALÉsia 24-40
CABLES : PILACELECT, MONTROUGE



For his experiments on space, man has conducted them inside an armoured prison, an altitude compartment in which he undergoes, artificially the conditions of life at an altitude of 30,000 meters. Being alone, he is not in contact with the world except by means of wires connecting him with delicate instruments recording the slightest reactions of his body and of his equipment.
In the Medico-Physiological laboratory of the **BRETIGNY CENTRE for TESTS in FLIGHT,** a subject, wearing the partial pressurised garment of French pilots, is getting ready to enter the compartment. Beforehand, each of the appliances about to check and to record his behaviour, has itself been subjected to the strict and decisive control of the special 256 A Ribet-Desjardins cathode-ray oscilloscope.



Main specifications of the Ribet-Desjardins electronic measuring and control instruments

I. - OSCILLOSCOPES

TYPES	NUMBER OF TRACES	SWEEP		Y AMPLIFIER			CATHODE-RAY TUBE Ø
		Sweep range	Calibration	Band width Hz - MHz - 3 dB	Sensitivity mV/p. to p./cm	Rise time in us	
204 A	1	0,005 µs/cm - 5 ms/cm 0,5 µs - 2 s/cm	direct + marker 0,01 µs	0 - 50	25 (10 KV) 50 (20 KV)	0,007	125
251 A	2 1	0,02 µs/cm - 10 s cm 1 µs/cm - 10 s/cm 0,02 µs/cm - 10 s/cm 1 µs/cm - 10 s/cm	direct	0 - 24 0 - 30 10 - 20	50 50 5	0,012 0,012 0,02	125
252 C	1	0,1 µs/cm - 4 ms/cm	marker 0,05 µs to 1.000 µs	0 - 10 10 - 10	80 50	0,04	125
254 A	2 1	0,02 µs/cm - 1 s/cm 0,02 µs/cm - 1 s/cm	direct	0 - 4 0 - 9	50 10	0,09 0,045	125
255 B	1	0,1 µs/cm - 0,20 s cm	direct	0 - 6 10 - 6	100 10	0,06	70
256 A	1 2	1 µs/cm - 1 s/cm	direct	0 - 1 (- 6 dB) 0 - 0,8 (- 6 dB)	15 50		90
258 A	1	2 µs/cm - 20 ms/cm		50 - 1	50		70
264 C	2	1 µs/cm - 0,05 s/cm		10 - 2	6		90
267 B	1	1 µs/cm - 0,15 s/cm		0 - 1 (6 dB) 20 - 0,8 (- dB)	250 8		90
268 A	1	10 Hz to 30 KHz		50 - 1 (- 6 dB)	45		70

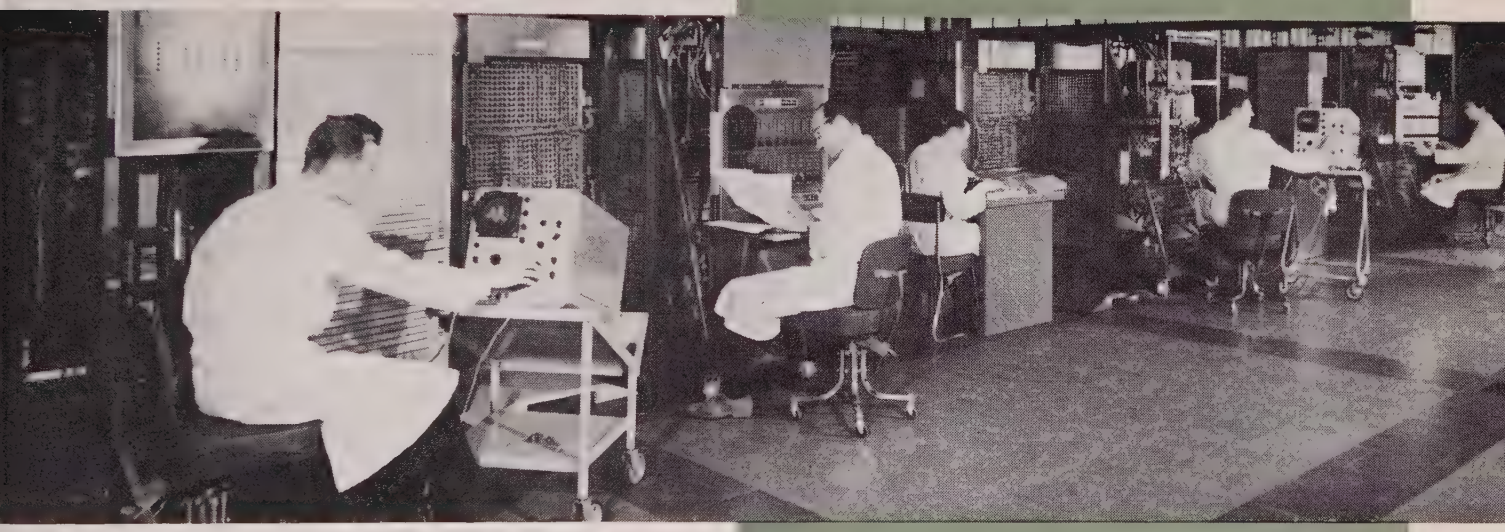
II. - GENERATORS and WOBULATORS

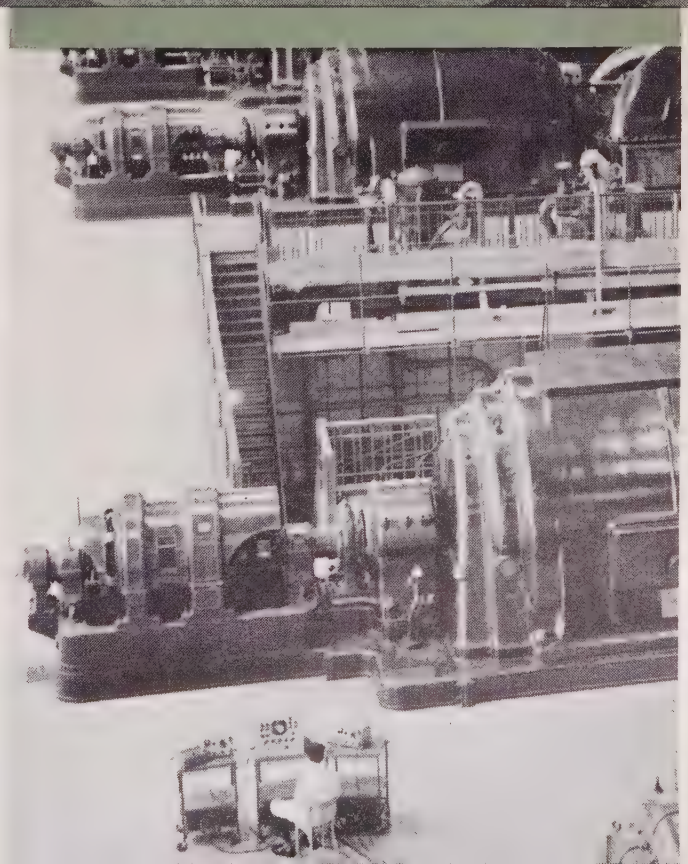
TYPES	FREQUENCY RANGE	ACCURACY	MODULATION RATIO	MAXIMUM OUTPUT VOLTAGE
410 A	0 - 250 MHz	> 0,1 % quartz marker	: 12,5 MHz	0,1 V
411 A	0 - 320 MHz	> 0,1 % quartz marker	: 20 MHz	0,2 V and 0,1 V
476 A	100 KHz - 26 MHz	1 % and 2 %	: 150 KHz	0,1 V
428 A	100 KHz - 30 MHz	1 %	from 0 to 100 %	0,1 V constant level
458 A	5 Hz - 50 KHz (repetition rate) 0,5 µs - 10.000 µs	5 %	Pulse generator	2 x 50 V
405 A	30 Hz - 300 KHz	1 %	Audio frequency generator	2 x 10 V

III. - REGULATED POWER SUPPLIES - MEGOHMMETERS - INDUSTRIAL CONTROL EQUIPMENT

TYPES	DESCRIPTION AND GENERAL FEATURES
111 C	H. V. : 100 V to 400 V (200 mA); - 108 V (15 mA); L. V. : 1,3 V to 25 V (up to 6 A)
114 A	H. V. : 100 V to 250 V (150 mA); - 150 V (8 mA); L. V. : 6,3 V (3 A)
674 B	5 MΩ to 100.000 MΩ in 4 ranges. Measure under regulated 300 V. DC
803 B	Pressure and vibration detector for fluids and solids
804 B	Static and dynamic device for extensometry
805 A	Magnetic control on heavy-duty elements, concerning defects of composition and treatment
806 A	Magnetic control on small elements, concerning defects of composition and treatment
713 A/B	Cathode-ray oscilloscope with 5 and 6 traces for all industrial controls

The computers, prodigious brains and swift mathematicians, are able to perform several tens of thousands of operations in a second. Their memory enables them to store up several hundreds of millions of figures. Being provided with tens of thousands of tubes and circuits, they are complex instruments requiring the use of an oscilloscope to adjust them. Our document shows a series of **IBM France** computers being perfectly adjusted in the Corbeil-Essonnes works and being subjected to the control of special Ribet-Desjardins oscilloscopes. The latter have been selected by the IBM France company for their sturdiness and their accuracy, on which the mathematical strictness of those ordinators is finally dependent.





Electricity, a primordial economic tool and an elementary basis for comfort in the house, calls for the respect of strict imperatives. Frequency of the current therefore, must positively retain perfect stability, whence the need to cause alternators to revolve at a fixed speed, perfectly regular. For that purpose the " Electricité de France " makes use of hydraulic circuits regulating the rhythm of the turbines driving the alternators. Our document shows

THE ARRIGHI I STATION, in VITRY

photographed just when a specialist, provided with a Ribet-Desjardins 803 B equipment for detecting pressures and vibrations, is checking the working of those essential circuits.

RIBET DESJARDINS

Head Office and commercial services :
13-17, RUE PÉRIER
MONTROUGE (Seine) FRANCE
Tél. : ALÉsia 24-40
Cables : PILACELECT, Montrouge

FOREIGN AGENTS

ARGENTINE	Eneka Argentina - Tucuman 299 - BUENOS AIRES
SOUTH AFRICA	KRUGER DRAFT INDUSTRIES (PTY) Ltd P. O. Box 2023. JOHANNESBURG
BELGIUM	Equipement Electronique - 184, ch. de Vleurgat - BRUXELLES
CANADA	Electroline Television Equipment - Room 114, 5757 Decelles Avenue - MONTREAL.
DENMARK	A. EDM. Hansen - Kobmagergade 22 - COPENHAGUE.
SPAIN	Suministros Electronicos Aznarez - Via Layetana 30 - BARCELONE.
GREAT-BRITAIN	Airmec Limited - HIGH WYCOMBE - Bucks.
HOLLAND	Compagnie Générale d'Electricité - Koninginnegracht 64 LA HAYE.
ITALY	A. E. S. S. E. - Piazza Erouiea 9 - MILAN
MOROCCO	C. G. E. MAROC - Boîte Postale 807 - CASABLANCA.
SWITZERLAND	P. E. MATTEY - 18, av. de l'Hôpital - LE LOCLE.

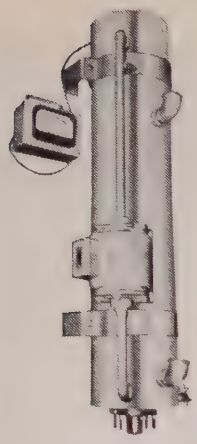
EXPORT GROUP

C. O. M. E. F.	Comité d'Expansion et de Propagande du Matériel Mesure Français à l'Etranger - 57, av. d'Iéna - PARIS 16e.

NEW! HI-POWER COAXIAL

CALORIMETRIC POWER METER

DIRECT READING—5 to 50 KW—DC—1000 MC • VSWR less than 1.3



These power meters are greatly simplified Calorimeters which use water to carry the heat away, for economy of space and cost.

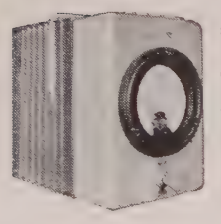
The instrument is fully self-contained, portable, water cooled and requires only connection to the power line and water supply. It does not use any flow meters, thermometers or any other controls. There is only the "ON" and "OFF" switch for the operator to use on the front panel, when a measurement is to be made. A sensitive thermopile and microammeter measure the power dissipated in the R.F. load. The microammeter is calibrated in watts, is direct reading and can be remotely located.

The radio frequency load has a low VSWR between DC to 1000 MC. This feature makes it possible to calibrate this instrument at 60 cps against an accurate laboratory type wattmeter, and then use it at any frequency up to 1000 MC. Thus an accuracy of 2% can be easily accomplished. This recalibration is necessary only when measurements are made at extreme temperatures or when wear is suspected.

This calorimeter is particularly recommended for field service where a rugged and yet accurate Power Meter is required for use by unskilled personnel.

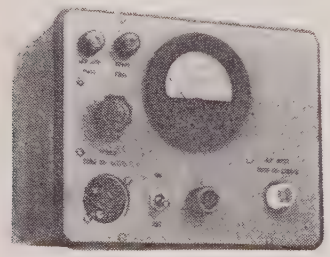
Model	Power Rating	Connector	Max. VSWR	Water Supply	Price
CX-5	5 KW	1–5/8"	1.3	1.5 G.P.M.	$1050.00
CX-10	10 KW	3–1/8"	1.3	3 G.P.M.	1250.00
CX-20	20 KW	3–1/8"	1.3	6 G.P.M.	2250.00
CX-50	50 KW	6–1/8"	1.3	15 G.P.M.	4500.00

Average Reading R.F. POWER METERS



These broad band R.F. Power Meters are of the absorption-type consisting of an oil filled, air cooled, coaxial load resistor and a voltmeter calibrated to read watts. The power meter is suitable for use as a field or laboratory test instrument, is completely shielded and non-radiating, permitting transmitter testing and adjustment without interference. The meter box is easily detached, permitting location of the load resistor at a remote point. In cases where power measurements are not required the load resistor may be used as a dummy load. No correction curve is necessary to cover the frequency range. The spurious response usually associated with directional couplers and capacitative voltage dividers is absent in this purely resistive voltage divider. Since this is a resistive voltage divider which has the same voltage division at DC, 60 cycle AC, and at high radio frequency, this instrument can be calibrated and its calibration can be checked frequently on 60 cycle supply voltages.

Model	Power Ranges in Watts	Max. Power Dissipation	Price
PM-3	60, 150	150 watts	$220.00
PM-6	1.5, 6	10 watts	95.00
PM-7	150, 600	600 watts	285.00
PM-8	1.5, 6, 15, 60	100 watts	225.00
PM-9	2.5, 10	10 watts	105.00
PM-10	15, 60	90 watts	145.00
PM-14	25, 100, 500	500 watts	325.00
PM-16	150, 600, 1500	1500 watts	375.00
PM-18	1.5, 6, 15, 60, 150, 600	600 watts	485.00
PM-19	1.5, 6, 15, 60, 150	100 watts	275.00



PEAK READING

R.F. POWER METERS

The peak reading power meters listed are designed to accurately measure the peak power of pulsed R.F. signals in the range of .2 to 700 MC with PRF of 800 to 10,000 pps and pulse duration of .5 microseconds or more, and less than specified maximum average power dissipation.

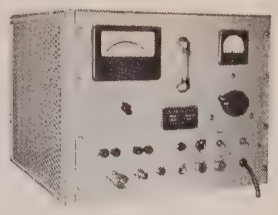
Model	Peak Range	VSWR	Max. Average Power Dissipation	Connector	Impedance	Supply Voltage	Accuracy	Freq. Range	Price
PM-12	0-50kw	1.15	60 watts	Type HN	51.5	115V, 60–1600cps	±10%	.2-700Mc	$350.00
TS-305	0-50kw	1.15	50 watts	Type HN	51.5	115V, 60–1600cps	±10%	220-330Mc	$350.00
PM-13	0-100kw	1.15	100 watts	Type HN	51.5	115V, 60–1600cps	±10%	.2-700Mc	$425.00

ELECTRO IMPULSE Laboratory

208 River Street • Red Bank, N. J. • Phone: SHadyside 1-0404

DIRECT READING

Calorimeter Bridge



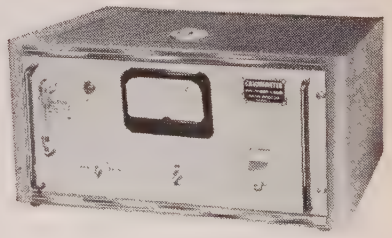
with Self-Contained Calorimeter Loads, Cooling System & Circulating System.

This Calorimeter is completely self-contained with its own circulating system, cooling system and the radio frequency dummy load and requires only connection to the regular power line. The R.F. power is read directly on a 4½" meter in watts. A single coaxial dummy load is available to cover the frequency range from DC to 10,000 Mc and for the power range from 1 to 1000 watts. The overall accuracy of this Calorimeter is 3%. However, this accuracy can be improved greatly by calibrating the Calorimeter by means of an external laboratory-type wattmeter.

Model	Range	Frequency	Price
CB-11	1 watt	DC-4 KMC	$900.00
CB-12	5 watts	"	900.00
CB-13	25 watts	"	1250.00
CB-14	150 watts	"	1250.00
CB-15	500 watts	"	1450.00
CB-16	1000 watts	"	1650.00
CBW-1	1 watt	7-12 KMC	1450.00
CBW-2	5 watts	"	1450.00
CBW-3	25 watts	"	1250.00
CBW-4	150 watts	2.4-12 KMC	1100.00
CBW-5	750 watts	1-12 KMC	1500.00
CBW-6	3000 watts	"	2400.00
CBW-7	6000 watts	"	3000.00

DIRECT READING

Calorimetric Power Meter



These power meters are greatly simplified Calorimeters, which use an accurate metering pump of the gear type driven by an over-powered synchronous motor to keep the fluid flow constant. The instrument is fully self-contained, portable, self-cooled and requires only connection to the power line. It does not use any flow meters, thermometers or any other controls. There is only the "ON" & "OFF" switch for the ment is to be made. A sensitive thermopile and microoperator to use on the front panel, when a measureammeter measures the power dissipated in the R.F. load. The microammeter is calibrated in watts and is direct reading. These Calorimeters are available with either a coaxial or a waveguide load.

COAXIAL CALORIMETERS

Type	Full Scale Power	Freq. Range KMC	Price
CPM-10	10	DC-10	$880.00
CPM-50	50	DC-10	880.00
CPM-100	100	DC-10	880.00
CPM-500	500	DC-10	880.00
CPM-5000	5000	DC-1	1400.00
CPM-10000	10000	DC-1	2000.00
CPM-20000	20000	DC-1	3250.00

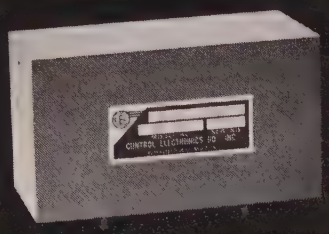
WAVEGUIDE CALORIMETERS

Type	Full Scale Power	Price
CPW-10	10	$850.00
CPW-50	50	800.00
CPW-100	100	800.00
CPW-500	500	800.00
CPW-5000	5000	1200.00
CPW-10000	10000	1750.00
CPW-20000	20000	2950.00

CONTROL ELECTRONICS' BUYERS' GUIDE

C.E.C. has for years been engaged in the design and production of quality components and systems for both military and industry. A member of our engineering group will be happy to meet with you on any problems you now face.

FILTERS & TOROIDS



BF-139

45 mc band pass filter—3 db bandwidth ≅ 2.5% center freq—40 db rejection at $2F_0$ and $0.5F_0$—input and output impedance 1500Ω—Hermetically sealed in accordance with applicable MIL specifications—Dimensions: 4½" x 2" x 2½"

LF-197

3000 cps low pass filter—3 db @ 3000 cps—40 db @ 4000 cps—Attenuation at other frequencies specified—Input and output impedance 10,000Ω—Dimensions: 1⅝" x 1⅝" x 2⅜"

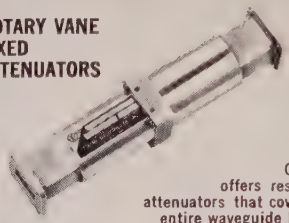
BF-128

45 kc resonant circuit—Max 3 db bandwidth: 4500 cps—Entire package requires only 0.4 cubic inches—Units available from 20 kc to 100 kc—Source impedance 3000Ω—Dimensions: ⅝" x 11/16" x 1"

Hundreds of versions of the units shown as well as many other types of filters are offered by C.E.C. Our engineering group will be happy to meet with you and discuss your particular needs.

MICROWAVE COMPONENTS AND INSTRUMENTS

ROTARY VANE FIXED ATTENUATORS



C.E.C. offers resistive attenuators that cover an entire waveguide band. These attenuators maintain a flat attenuation charactertistic over their entire waveguide band. ATTENUATION: 3 db, 10 db or 20 db are offered as Standard. Other attenuation values can be preset to your specifications.

VHF-UHF FREQUENCY CALIBRATOR MODEL 121

Range: 50 mc to 11,000 mc in crystal controlled steps of 50 or 100 mc.

Output Level: In excess of —70 dbm minimum for all markers.

Accuracy: ±0.005% at any frequency, unaffected by temperature or power input variations.

HARMONIC MULTIPLIER AMPLIFIER ADAPTER

Output Waveform: CW or Pulse.

Output Level: increases amplitude to —30 dbm in frequency range from 1,000 to 11,200 mc with marker spacing of 1,600 mc. Lower amplitude (—60 dbm) markers are generated with a spacing of 400 mc.

BROADBAND ANTENNA

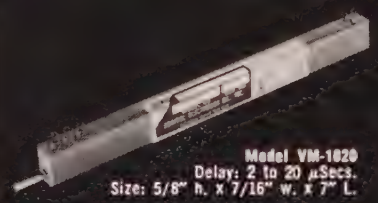
Designed for use with the Harmonic Adapter, this broadband antenna covers the entire range from 1,000 mc through 11,200 mc.

Used in combination, the three units provide a fast go-no go, remote calibration check on aircraft radar receivers, without the need for connecting cables to the aircraft.

MAGNETOSTRICTIVE DELAY LINES

Fixed & Variable
Range 2-10,000 μ Sec.

Model VM-1030
Delay:
2 to 500 μSecs.
Size: 4" x 4" x 4"



Model VM-1020
Delay: 2 to 20 μSecs.
Size: 5/8" h. x 7/16" w. x 7" L.

Model FM-1050
Delay: 6,000 μSecs.
Size: 12" x 12" x 0.5"

Numerous versions of the above models as well as a capability to meet all specifications enables C.E.C. to consistently supply the needs of industry. Our engineering staff is always at your service. Write today for complete literature on our product line.

CONTROL *Electronics* CO., INC.
Ten Stepar Place, Huntington Station, N. Y.

HA 7-7961

TELECHROME

The Only Complete Line of VIDEO TRANSMISSION TEST EQUIPMENT

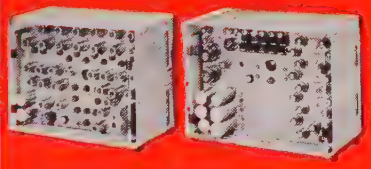
IT'S PORTABLE

1003-D1 VIDEO TRANSMISSION TEST SIGNAL GENERATOR

Produces multi-frequency burst, stairstep, modulated stairstep, white window, composite sync. Variable duty cycle. Regulated power supply. Operates from internal or studio sync. Checks video tape recorders.

1004-B VIDEO TRANSMISSION TEST SIGNAL RECEIVER

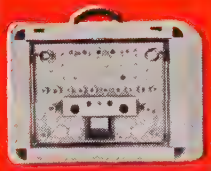
Very rapid and accurate measurement of differential phase and differential gain characteristics of video facilities. Responds to standard stairstep test signal modulated with 3.58 mc. or any differential phase or gain test signal.



1005-A VIDEO TRANSMISSION TEST SET

1005-A1 — Produces composite television waveforms suitable for measuring amplitude vs. frequency; differential gain vs. amplitude; dynamic linearity; differential phase vs. amplitude; high frequency transient response; low frequency transient response; low frequency phase of streaking, smears, mismatches; and other video characteristics.

1005-SA1 – Supplies composite E1A Sync, blanking, horizontal and vertical drive signals and regulated B + power for itself and 1005-A1. Features magnetic core binary counters.



1008-A VERTICAL INTERVAL KEYER

Permits test and control signals to be transmitted simultaneously with program material, between frames of TV picture. Any test signal (multiburst, stairstep, color bar, etc.) may be added to the composite program signal. Test signals are always present for checking transmission conditions without impairing picture quality. The home viewer is not aware of their presence.

1073-D1 SINE SQUARED (SIN^2) —SQUARE WAVE GENERATOR

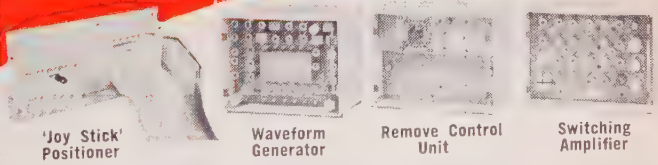
Produces new waveform for testing TV or other pulse unit or system for amplitude and phase characteristics. Sin^2 — Square Wave pulse is equivalent to TV camera signal and is more sensitive than a Square Wave in indicating ringing. Operates with internal or external drive. Now in use by major TV networks and telephone companies.

Full Specifications & Details Available on Request

TELECHROME MANUFACTURING CORP.

MODEL 490A SPECIAL EFFECTS GENERATOR

With Exclusive 'Joy Stick' Control



'Joy Stick' Positioner — Waveform Generator — Remove Control Unit — Switching Amplifier

Improved System Produces over 300 Wipes, Inserts, Keying and Other Special Effects.

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COLOR TV • INDUSTRIAL INSTRUMENTATION • TELEMETRY

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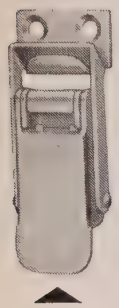
Western Engineering Division — 13635 Victory Blvd., Van Nuys, Calif., STate 2-7479
Southwestern Division — 4207 Gaston Ave., Dallas, Tex., TAylor 3-3291

NEW

COMPRESSION CATCHES
ADJUSTABLE CATCHES
HANDLES (all to Armed Forces qualifications)

FOR INSTRUMENT CASES • TRANSIT CASES • CONTAINERS

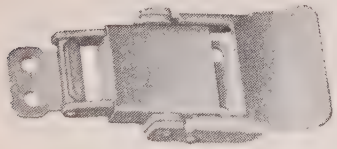
No. VHC 340-2
(actual size)



A WIDE RANGE of STYLES and SIZES from junior..... to GIANT

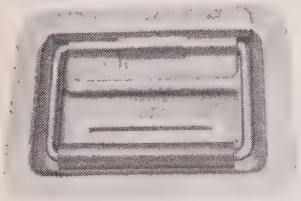
COMPRESSION SPRING CATCHES, No. 340 series, are miniature in size. Preloaded to 12 lbs. Standard 18 lb. holding tension. Cold rolled steel, plated or finished to specifications, or stainless steel. Styles with lever straight, as illustrated, or with up-sweep or down-sweep.

ADJUSTABLE CATCHES for varied applications (also recessed), No. 250 series, provide secure holding, easy engagement, rapid release. Steel or aluminum base. Designed to function up to 1,000 lbs. (manual operation). Stress strength to 3,000 lbs. (steel base). Styles for surface mounting or recessed in a plate. Hole for wire seal and slot for ⅜" "Navy" seal.

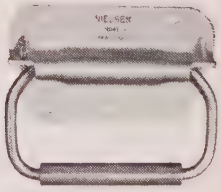


COMPRESSION SPRING DRAW PULL CATCH No. SC-B-83314-42 with springs concealed. Provides 70 lbs. holding tension on standard specification.

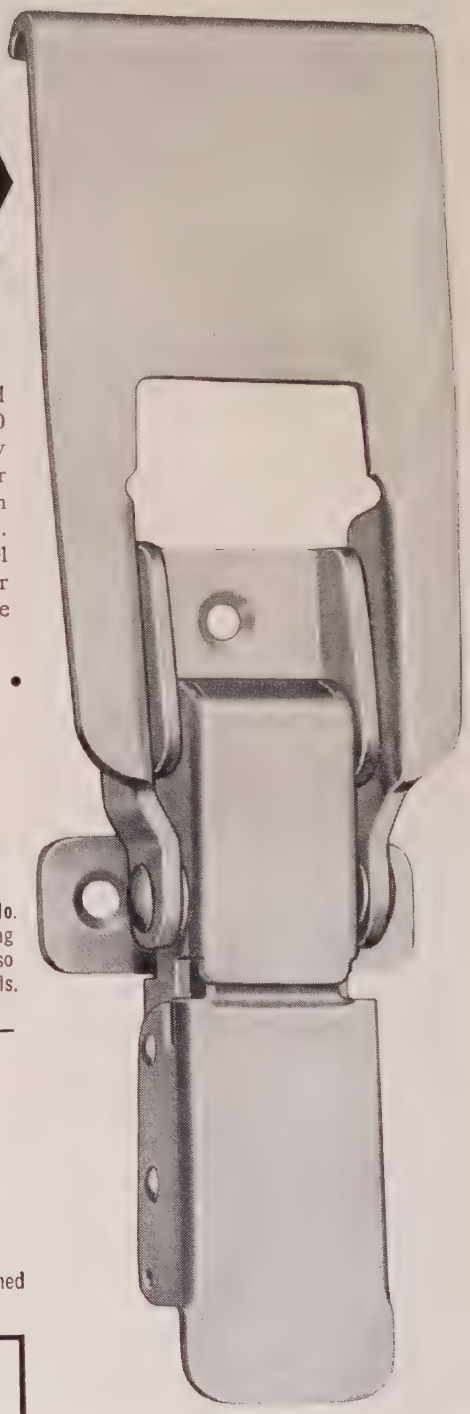
HEAVY-DUTY PULL-DOWN CATCH No. HC201 with holes for fastening or for welding applications. Available in plated finishes; also of brass, stainless steel, or aluminum materials.



RECESSED HANDLE No. H560 available in steel or aluminum.



SURFACE HANDLE No. H945 to meet Armed Forces Specification MIL-T-945.



No. VHC 250-65
(actual size)

A VARIED LINE OF CATCHES AND HANDLES to meet commercial requirements. Descriptive literature on request. Inquiries invited on design and application problems.

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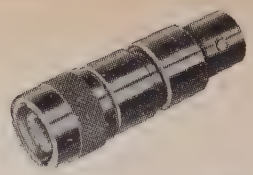
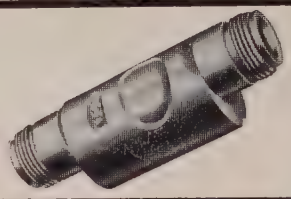
IMMEDIATE DELIVERY FROM STOCK!

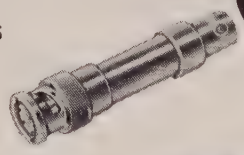
FIXED ATTENUATORS
DC to 12,000 mc
0 to 80 db
1.2 max. VSWR
2 and 15 watts



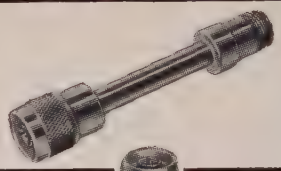
TURRET ATTENUATORS
DC to 2500 mc
0 to 30 db
1.25 max. VSWR
2¾" overall



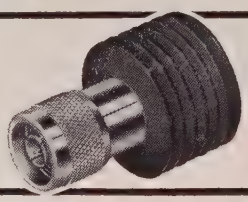
LOW PASS FILTERS
100 to 10,000 mc
1.2 max. VSWR
10 and 500 watts
Sharp cut-off



HIGH PASS FILTERS
200 to 6000 mc
1.6 max. VSWR
10 and 50 watts
Sharp cut-off

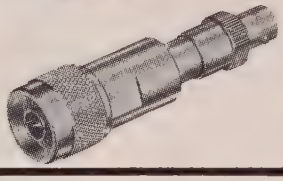


COAXIAL TERMINATIONS
DC to 13,000 mc
1.1 max. VSWR
2, 10, 150 watts
Fixed and sliding



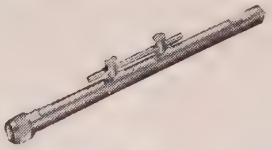
POWER DIVIDERS
DC to 13,000 mc
2 to 6 outputs
Resistive—wide band
Reactive—min. loss

CRYSTAL MOUNTS
DC to 13,000 mc
Untuned, Fixed tuned;
Padded; Tripolar
High Sensitivity



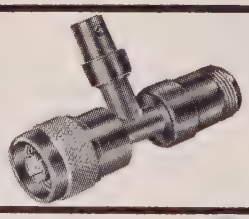
STUB TUNERS
250 to 10,000 mc
Single stub
Double stub
Triple stub

DOUBLE SLUG TUNERS
300 to 5000 mc
100 watts
Minimum size
Constant impedance



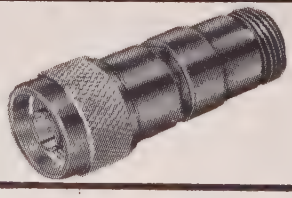
LINE STRETCHERS
DC to 5000 mc
1.2 max. VSWR
Constant impedance
Locking clamp

MONITOR TEES
Used to separate DC or video currents from an RF signal. Indispensable for monitoring helix intercept current in traveling wave tubes.



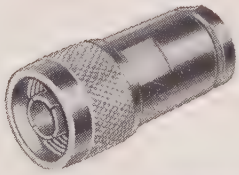
SIGNAL SAMPLERS
Used to monitor signals present in coaxial systems. Permits small signal to be taken from system without adding discontinuity. Coupling continuously adjustable.

DC SHORTS
Sections of constant impedance transmission line with built-in DC bypass, to ground low frequencies while allowing RF to pass unattenuated.



DC BLOCKS
Uniform lengths of constant impedance transmission line with DC blocking condenser in series with center conductor.

COAXIAL CONNECTORS
Now Available!
A Complete Line of UG and Special Coaxial Connectors.



NEW CATALOGS AVAILABLE
Coaxial Filters.
Catalog No. 9C.
Coaxial Terminations.
Catalog No. 9A.
Coaxial Attenuators.
Catalog No. 9B.

- **All MICROLAB products are available FROM STOCK with Type N, C, HN, BNC or TNC male or female connectors.**
- **Special values, connector combinations and other special design features at same low cost and quick delivery.**
- **Prototype or production quantities at lowest cost.**

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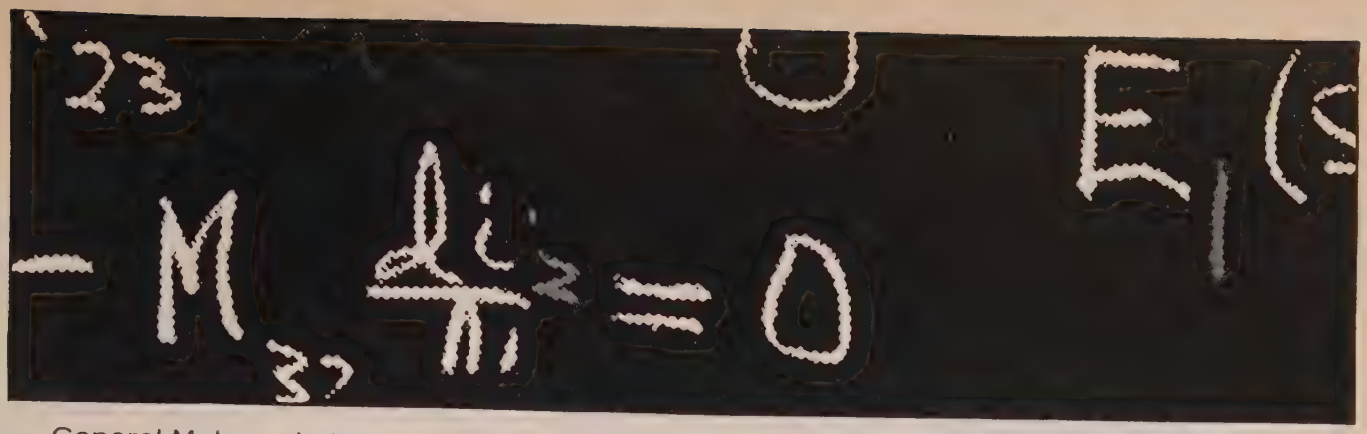
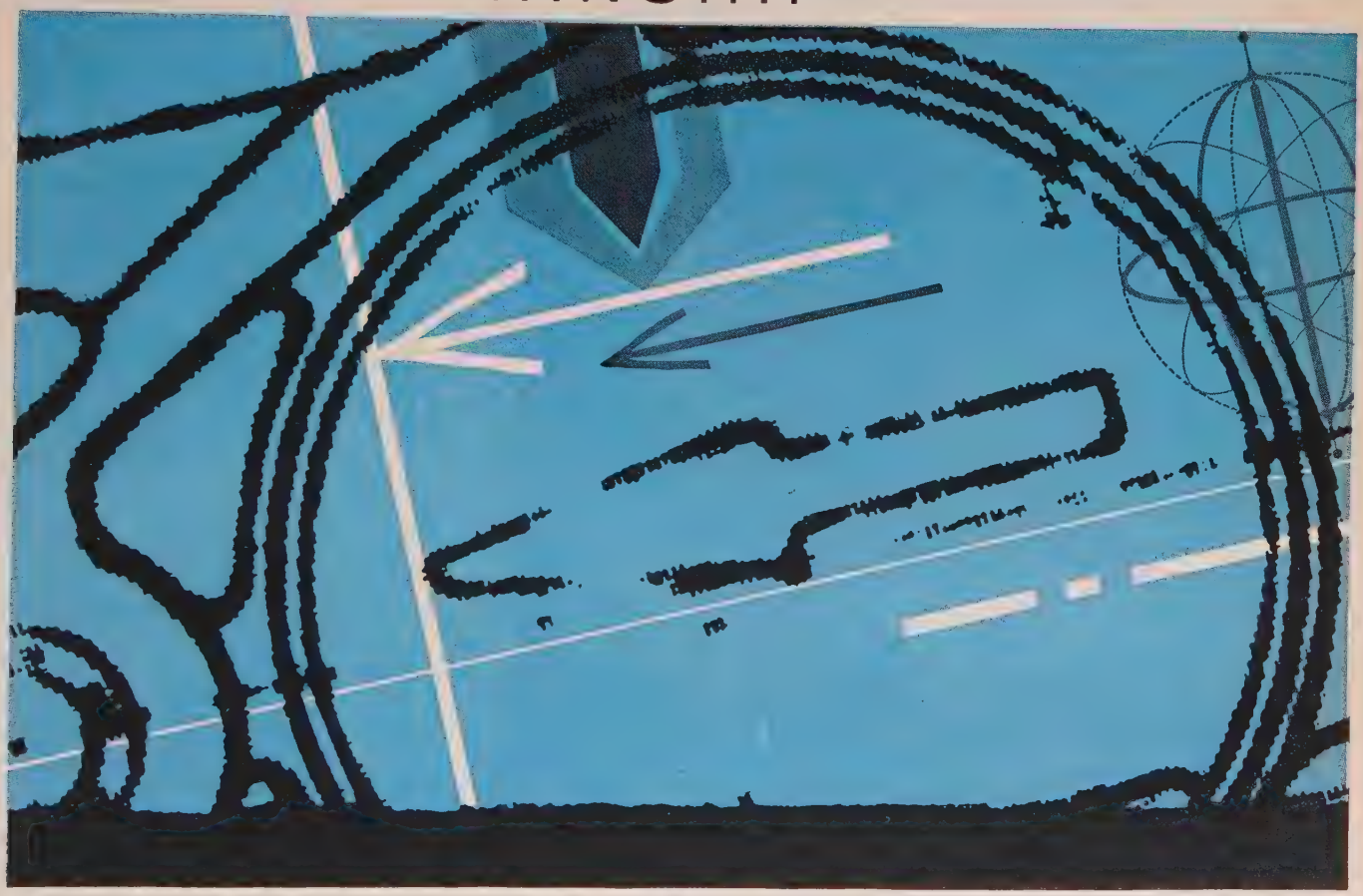


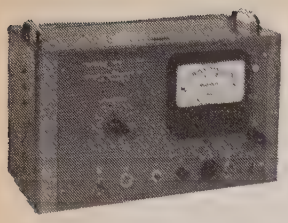
General Motors pledges

AC QUESTMANSHIP

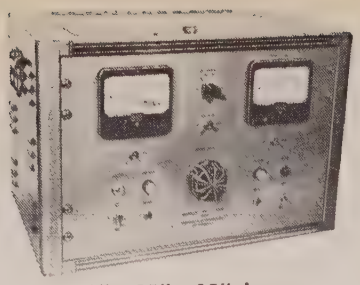


AC Seeks and Solves the Significant—AC Design and Development is moving far ahead in new technology—the result of GM's commitment to make ever larger contributions to the defense establishment. AC plans to resolve problems even more advanced than AChiever inertial guidance for Titan / This is AC QUESTMANSHIP. It's a scientific quest for the development of significant new components and systems . . . to advance AC's many projects in guidance, navigation, control and detection / Dr. James H. Bell, AC's Director of Navigation and Guidance, sees this as a "creative challenge". His group takes new concepts and designs them into producible hardware having performance, reliability and long life. He strongly supports the fact that an AC future offers scientists and engineers "a great opportunity to progress with a successful and aggressive organization" / If you have a B.S., M.S., or Ph.D. in the electronics, scientific, electrical or mechanical fields, plus related experience, you may qualify for our specially selected staff. If you are a "Seeker and Solver", write the Director of Scientific and Professional Employment, Mr. Robert Allen, Oak Creek Plant, 7929 So. Howell Ave., Milwaukee, Wisconsin.

GUIDANCE / NAVIGATION / CONTROL / DETECTION / AC SPARK PLUG *The Electronics Division of General Motors*



8" x 14" x 8" deep
CABINET STYLE A
H2 AC/DC • H5 AC/DC



22" x 15" x 15" deep
CABINET STYLE B
H10 AC/DC • H20 AC/DC
H5 AC/DC-B • H30 DC

SENSITIVE HIPOT TESTERS

Series H — (Deluxe Features)

- 5 Microamp circuit breaker, deenergizes HV, adjustable.
- Non-destructive testing.
- Continuously variable output voltage.
- Dual output AC and DC.

Model No.	Output Range KV	Cabinet Style	Size W x H x D	Price
H2 AC/DC	0-2 KV PK AC DC	A	14x8x8 in.	$350.
H5 AC/DC	0-5 KV PK AC DC	A	14x8x8 in.	350.
H5 AC/DC - B	0-5 KV PK AC/DC	B	22x15x15 in.	595.
H10 AC/DC	0-10 PK AC/DC	B	22x15x15 in.	600.
H20 AC/DC	0-20 PK AC/DC	B	22x15x15 in.	650.
H30 DC	0-30 DC ONLY	B	22x15x15 in.	840.

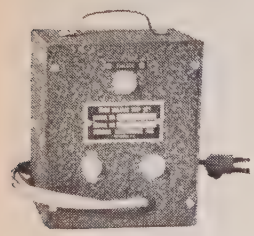
- Low cost.
- Automatically limited maximum short circuit current (self-protecting).
- Direct indication of leakage current on large meter.
- Direct reading KV meter, connected directly across high voltage output for maximum accuracy.
- Extremely simple controls for use by inexperienced personnel.
- Continuously variable output voltage.
- Selenium rectifiers are used for ruggedness (on DC units).

STANDARD HIPOT TESTERS

Portable Series S (DC), P (AC)

Model No.	Output Voltage, KV	Price	Model No.	Output Voltage, KV	Price
S 2 DC	0- 2 KV DC	$220.	P 2 AC	0- 2 KV RMS	$200.
S 5 DC	0- 5 KV DC	230.	P 5 AC	0- 5 KV RMS	250.
S10 DC	0-10 KV DC	295.	P10 AC	0-10 KV RMS	290.
S20 DC	0-20 KV DC	390.	P15 AC	0-15 KV RMS	330.
S30 DC	0-30 KV DC	450.	P20 AC	0-20 KV RMS	420.

SMALL, INEXPENSIVE HIPOT TESTER



Features buzzer and panel light indication of breakdown, grounds and shorts, when testing during manufacture of lighting fixtures, appliances and components. Other features include self-protection to tester, and automatically current limited output for protection of appliance being tested. Maximum short circuit current is low, and output voltage drops to zero when output is shorted.

Reliability is enhanced by extreme simplification of tester: output voltage is fixed at 1000 volts rms; controls are limited to line switch and pilot light; buzzer has no contacts to wear out; pilot lamps are long-life neon type.

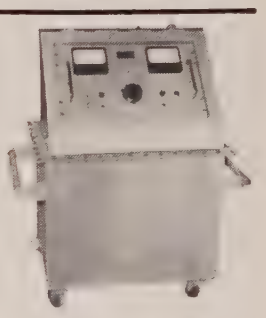
Price $75.00

DC OVERPOTENTIAL TESTERS

- Non-destructive testing
- Small, light weight units
- Rugged design for industrial use
- Use of selenium rectifiers
- Plug-in type HV output shielded cable
- Control cabinet stacks on top of HV tank (May be separated for remote control)

MODEL S50 DC 0-50 KV, 5 ma.
MODEL S100 DC 0-100 KV, 5 ma.
MODEL S120 DC 0-120 KV, 5 ma.
MODEL S150 DC 0-150 KV, 5 ma.
MODEL S200 DC 0-200 KV, 5 ma.
MODEL S300 DC 0-300 KV, 5 ma.

Prices start at $1195.00
Also available in heavier current models.

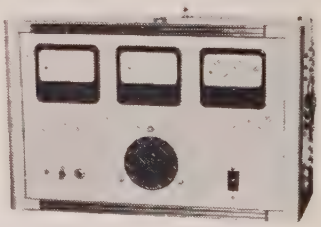


150 KV DC AIR INSULATED OVERPOTENTIAL TESTER

Featuring small size and light weight a new 150 KV DC Overpotential Tester is now available. Rated at 5 ma., 20 ma. is available for burning. A small gas-filled tank with extended header houses the plate transformer. The header houses the air insulated components. The entire high voltage section pictured above is on casters for ease in moving around. Reliability is enhanced by elimination of the usual filament transformers operating at high potential. Long life, rugged selenium rectifiers are used.

The open type design promotes ease of servicing as all selenium rectifiers, filter capacitors, meter multiplier resistors and current-limiting output resistors are in plain sight. Polarity reversing is simplified as entire rectifier bank may be quickly rotated. Corona shields help keep corona down to a low level.

HIGH VOLTAGE TEST SETS, SERIES KS



This Series covers the smaller High Voltage Test Sets of the high-capacity type with outputs of between 100 and 1000 watts, available with AC output, or DC output, or AC/DC output.

Series KS High Voltage Test Sets feature *simplified control circuitry for production testing by inexperienced personnel; high reliability; high power capacity; low waveform distortion; and metering directly at the high voltage output for greatest accuracy.*

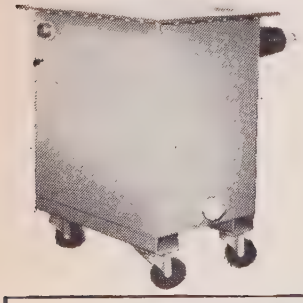
The simplified controls consist of line switch, pilot light, high-speed circuit breaker, and a continuously adjustable output control.

The circuit breaker, with trip-free reset, set for full capacity of the test set, protects the unit from overloads and short-circuits common in dielectric breakdown testing.

Three conductor line cord and plug for safety grounding, screw-driver adjustable control for kilovoltmeter and a coax cable for high voltage output.

AC Test Sets have a kilovoltmeter, DC Test Sets have a current meter in addition to the kilovoltmeter, AC DC Test Sets have two kilovoltmeters — one RMS, the other DC — plus a common AC DC current meter.

Prices start at $400.00



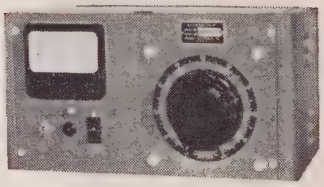
HIGH VOLTAGE AC TEST SETS, SERIES KM

Simplified control circuitry for production testing by inexperienced personnel; high reliability; high power capacity; low waveform distortion; and metering directly at the high voltage output for greatest accuracy.

Available in the following capacities: 2, 4, & 8 KVA and in following output voltage ranges: 0-2 KV; 0-5 KV; 0-10 KV; 0-15 KV; 0-25 KV and 0-50 KV RMS.

The larger sizes and the higher voltage units are in 2 parts: HV and Control section.

Prices start at $500.00



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for semiconductors

and electronic applications

FINE wire (.001-.250), clad wire, rod, sheets and special shapes now available in any of the following metals:

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- Gold Alloys
- Platinum and Alloys
- Palladium and Alloys
- Silver and Alloys
- Copper and Alloys
- Non-Ferrous Metal

Of critical importance are these outstanding features of Consolidated Reactive Metals' services:

1—Quality Control to assure Reliability

2—Production to Close Tolerances

3—Vacuum Annealing

Consolidated's engineering department is ready to assist in the development of suitable alloys to meet specific requirements. The processing division can provide sample and production runs most economically . . . with delivery as promised, usually within two weeks.

Write for data!

CRM

CONSOLIDATED REACTIVE METALS, Inc.

115 HOYT STREET
MAMARONECK, N. Y.

HIGH POWER IN SMALL PACKAGES

Yuba-Dalmotor Division is modern, diversified and flexible— from design through production

Yuba is constantly developing precision specialty components for integrated electronic systems in aircraft, missiles and industry. Yuba's proven capabilities for research, design, development and production assure you of the finest in precision equipment. In the field of airborne motors and generators, for example, Yuba-Dalmotor Division has moved ahead. They will design and produce to your strict specification—with minimum lead time. Shown above are several of the Yuba-Dalmotor's carefully produced precision products.

Yuba also produces signal converters, radio sondes, special purpose computors, telemetering and communications systems, and special instrumentation as well as *mass-produced precision motors of all sizes.*

YUBA

specialists in electronic and electromechanical equipment

YUBA-DALMOTOR DIVISION
1375 El Camino Real, Santa Clara, California

YUBA CONSOLIDATED INDUSTRIES, INC.

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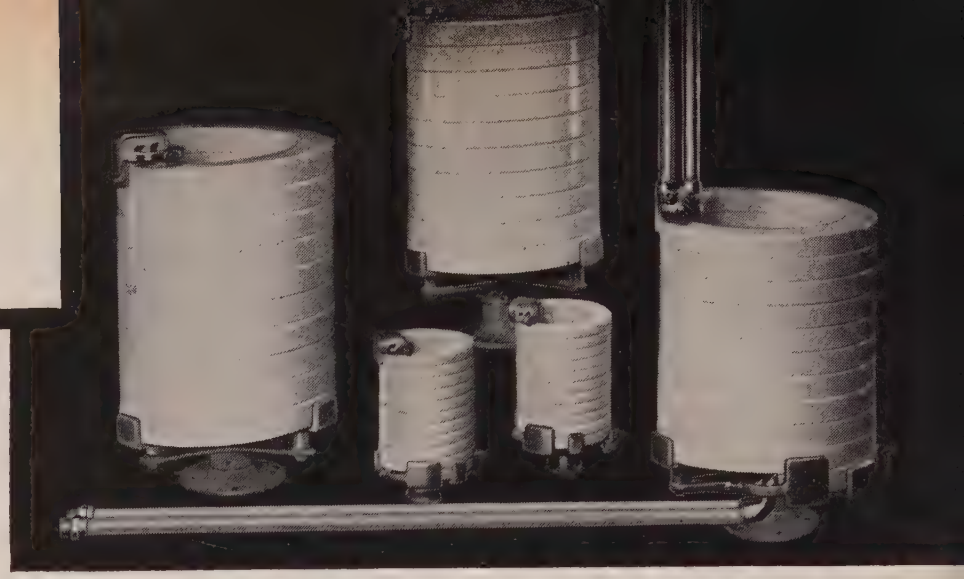
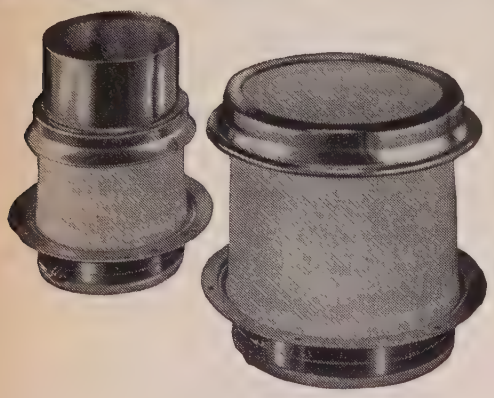
Lapp





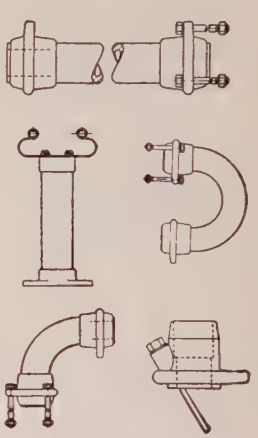
TUBE SUPPORTS
for air-cooled tubes

No longer is it necessary for equipment manufacturers to design supports for forced-air-cooled tubes. After producing many such special designs, Lapp has engineered and built a complete series of insulating supports for air-cooled tubes. Use of these supports facilitates design of transmitter and other high-power circuits. Simple, compact, efficient and attractive in appearance, in porcelain or steatite, they make for economical production, easy interchangeability, and availability of replacement units. Write for Bulletin 301, with complete description and specification data.

For details, circle #112 on Reader Service Card

INSULATION FOR WATER-COOLED SYSTEMS

For carrying cooling water which must undergo a change in potential, use of Lapp porcelain eliminates troubles arising from water contamination and conductivity, sludging and electrolytic attack of fittings. Permanent cleanness and high resistance of cooling water is assured—for positive cooling and long tube life.



LAPP PORCELAIN WATER COILS

Twin-hole and single-hole models in sizes to provide flow of cooling water from 2 to 90 gallons per minute. Cast aluminum mounting bases, lead pipe or flexible metal hose for attachment.

LAPP PORCELAIN PIPE

Inside diameters ¾″ to 3″, in straight, 90° and 180° elbows, fittings. Swivel-type connections. Standoff insulators attach directly to fitting bolts.

Write for Bulletin 301 with specifications for Lapp Porcelain Water Coils and Porcelain Pipe.

LAPP GAS-FILLED CONDENSERS

Capacitance for high-voltage, high-current duty

The record of more than 18 years' service, in thousands of installations, proves the reliability of the Lapp Gas-Filled Condenser. For duty at high voltages and high currents, this unit offers the advantages of extreme compactness . . . low loss . . . high safety factor . . . constant capacitance under temperature variation . . . grounded tuning shaft . . . and rugged sturdiness. Units available in four tank diameters, 7″ to 18″ . . . in fixed or variable capacitance . . . capacitances to 30,000 mmf; current ratings to 390 amps at 1 mc; voltages to 85 Kv peak. Write for Bulletin 302.

ENTRANCE INSULATORS

To eliminate losses which occur in ordinary types of bushings at radio frequency, Lapp units use air as major insulation, porcelain path being lengthened by its "bowl" shape. In wide variety of types for most electrical and mechanical requirements.

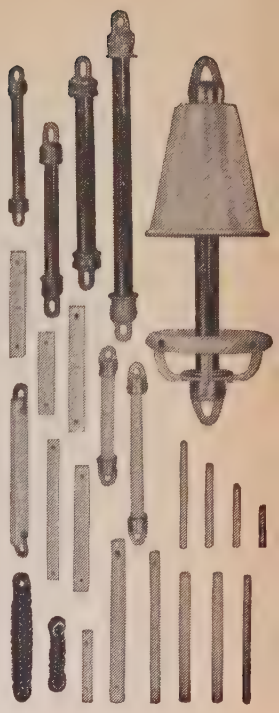
STAND-OFF INSULATORS

Dependable mechanical and electrical performance—and trim good looks. Hundreds of standard and special types available.

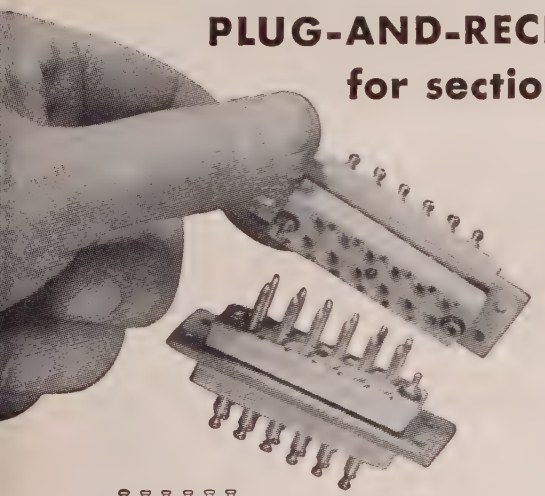
Write for Bulletin 301, listing entrance and stand-off insulators.

ANTENNA STRAIN INSULATORS

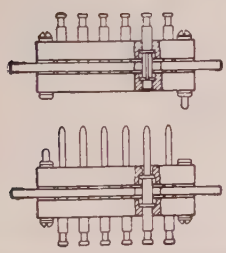
The largest of the porcelain rod insulators shown develops 12,000 lb. strength. Available, as specified, with rain shield and/or corona rings. Smaller units, in porcelain or steatite, for all strain or spreader use. Engineering and production facilities also available for special performance units See catalog 301.



PLUG-AND-RECEPTACLE UNITS for sectionalizing circuits

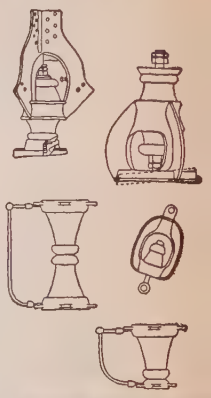


For panel-rack or other sectionalized circuits, Lapp offers a variety of plug-and-receptacle units. Any number of contacts can be provided (in multiples of twelve). Male and female contacts are full floating, for easy alignment and positive contact. Contacts silver plated, terminals tinned for soldering. Insulation is steatite, the low-loss ceramic . . . non-carbonizing even under leakage flashover resulting from contamination, moisture or humidity. Write for complete electrical and mechanical specifications and recommendations.

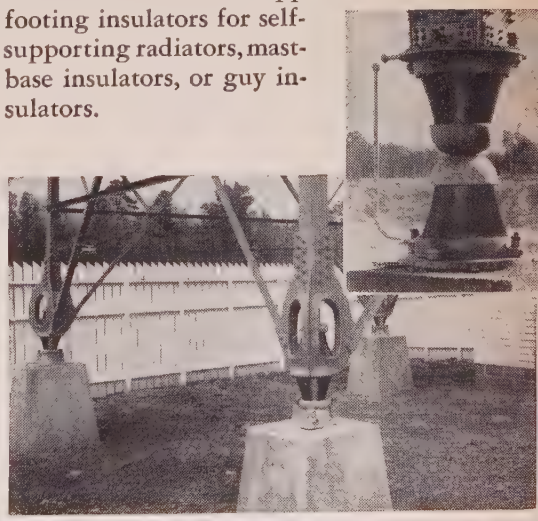


For details, circle #113 on Reader Service Card

ANTENNA TOWER INSULATORS



Most of the world's radio towers are supported by Lapp insulators, including the tallest guyed mast ever built. Through the Lapp "compression cone," immense loads can be carried by electrical porcelain. Write for data on Lapp footing insulators for self-supporting radiators, mast-base insulators, or guy insulators.



SPECIAL ASSEMBLIES

Lapp business is electrical porcelain, its application, design, manufacture, and assembly. Our skill is in our knowledge of the capabilities, and limitations, of ceramic insulation . . . in engineering ingenuity to meet specified requirements . . . and in efficient production. If you have need for insulating parts and associated sub-assemblies, we may be able to show you how they can be made most economically, to perform most efficiently.

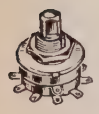
Lapp

LAPP INSULATOR CO., INC.
RADIO SPECIALTIES DIVISION
150 SUMNER ST., LEROY, N. Y.

MINIATURE ROTARY TAP SWITCHES

SERIES 24

For Precision Requirements



Fully enclosed tap switch designed for high reliability military and commercial applications. Accurate indexing and best detent action. One pole per deck, 1 to 10 decks, 2 to 9 positions with built-in stop, or 10 positions continuous rotation, shorting or non-shorting contacts, two poles per deck (non-shorting contacts only) also available on special order, 36° indexing. Rating: break 1 ampere, 115 VAC, resistive, or carry 5 amperes. 3/8-32 threaded and keyed bushing, 1 1/32" O.D. includes solder terminals, 5/16" long shaft flatted opposite contacting position. Illustration shows difference between single deck and multiple deck construction. Studs of multi-deck units of 5 decks and over extended 1/4" at rear to facilitate double-ended mounting. Housing of molded melamine and phenolic materials; studs, shaft, end plates of 303 stainless steel; single deck cover, bushings, nuts, of brass, cadmium plated .0003" to .0005" thick; special heavy silver plate on contacts. Have passed military tests such as 125G shock, 10 - 500 cps vibration, 100 hours salt spray, explosion, sand and dust, 28 day fungus exposure, humidity; will operate —55°C to +85°C, and up to 50,000 feet at rated load. Supplied with mounting nut. Non-turn washer and lockwasher, special shafts and bushings, etc., available on special order.

SERIES 36

Miniature Concentric Shaft Switch

Fully enclosed tap switch permitting new flexibility, and allowing 2 switches to be mounted in space normally occupied by one. Construction, materials and detent action same as Series 24. Each shaft controls from one or two decks, with two to ten shorting, or non-shorting, positions per deck. Can be furnished in over 6500 combinations of decks and positions. Only 1" in diameter including solder lugs.

Rating: Break 1 amp. 115 VAC resistive, carries 5 amps. 3/8-32 threaded and keyed bushing, supplied with mounting nut.

Spring Return Rotary Switch

Same as Series #24 except momentary contact, spring return to either side of center position. Available 1 to 3 decks (incl.), one pole per deck, shorting or non-shorting contacts. Also available with up to 4 detent positions plus spring return position to either right or left of detent position.

PUSH BUTTON SWITCHES

LIGHTED PUSH BUTTON SWITCH

Equipped with a NE2 neon bulb, with light circuit independent of switch circuit. Switch rated at 1 amp. 115 VAC with approximate life of 500,000 operations. Normally open. Momentary contact. 3/8-32 threaded bushing, 7/16" max dia., 1 1/4" behind panel length. Fine silver contacts. Solder type terminals.

SNAP ACTION SWITCH

Snap action, momentary contact, SPST, push button switch. Normally Open or Normally Closed available. Rating: 10 amperes, 115 VAC, resistive. Life approximately 50,000 operations. 15/32-32 threaded bushing, 7/8" O.D., 1 59/64" overall length including solder type terminals.

No. 2201—Normally Open (Red Button)
No. 2202—Normally Closed (Black Button)

SILENT ACTION SWITCH

Silent action, momentary contact, SPST, push button switch. Normally Open or Normally Closed available. Rating: 1/2 ampere, 115 VAC, resistive, for approximately 800,000 operations, or 1 ampere for approximately 100,000 operations. 15/32-32 threaded bushing, 51/64" O.D., 1 17/32" overall length including solder type terminals.

No. 4001—Normally Open (Red Button)
No. 4002—Normally Closed (Black Button)

DOUBLE POLE SWITCH

Silent action, Normally Open, momentary contact, DPST, push button switch. Rating: 1/2 ampere, 115 VAC, resistive. Life over 100,000 operations. Button and housing molded phenolic. 51/64" O.D., 1 17/64" overall length including solder terminals.

No. 35-1 (Red Button)

MINIATURE PUSH BUTTON SWITCH

Silent action, momentary contact, Normally Open, SPST, switch rated at 1/4 ampere, 115 VAC, resistive. Life approximately 1/2 million operations. Button and housing molded phenolic. 5/16-32 threaded bushing, 1/2" O.D., 1 3/64" overall length including solder terminals.

No. 23-1 (Red Button)

SUB-MINIATURE SWITCH

Silent action, momentary contact, SPST, push button switch. Normally Open or Normally Closed available. Conservatively rated at 1/10 ampere, 115 VAC, resistive. Life approximately 1/2 million operations. Button and housing molded phenolic. 1/4-32 threaded bushing, 3/8" O.D., 63/64" overall length including solder terminals.

No. 30-1—Normally Open (Red Button)
No. 30-2—Normally Closed (Black Button)

ULTRA-MINIATURE SWITCH

Silent action, momentary contact, Normally Open, SPST, push button switch. Conservatively rated at 1/10 ampere, 115 VAC, resistive. Life over 1 million operations. Button and base molded phenolic. 1/4" O.D., 19/32" overall length including solder terminals.

No. 39-1 (Red Button)

SOLDERLESS WIRING SWITCH

Silent action, Normally Open, momentary contact, SPST, push button switch. Built-in receptacles for A-MP #53 taper pins plus "in-and-out" wiring provision on one side. Rating: 1/2 ampere, 115 VAC, resistive. Life over 100,000 operations. Button and housing molded phenolic. 3/8-32 threaded mounting bushing and knurled nut black anodized aluminum. Lockwasher provided. 1/2" O.D., 31/32" overall length.

No. 34-1 (Red Button)

GRAYHILL BINDING POSTS

All metal parts are nickel plated brass. Insulating washers are non-turn "D" style phenolic to MIL-M-14. Integral solder stud plus two hex nuts for solder lug connections. All posts may be used on panels up to 3/16" thick and are shipped completely assembled.

29-3 SCREW TYPE

For ½" dia. mounting hole. ⅝" dia. insulating washers for use in existing equipment or where wider spacing is desirable. Available in red, black, white, yellow, blue, gray, green and brown.

29-1 SCREW TYPE

For ⅜" dia. mounting hole. ½" dia. insulating washers. Allows closer spacing of posts. Available in red and black.

29-33 SPRING LOADED

For ½" mounting hole. ⅝" dia. insulating washers. Spring loaded head gives 24 oz. of contact force. Designed for rapid connections. Available in red, black.

29B11 For use with 29-1 posts. Makes an assembled unit with two posts on ¾" centers. Molded phenolic to MIL-M-14. **29B11-1 (Black) 29B11-2 (Red)**

29-41

Binding Plug (screw type) conforms to same standard as the binding posts. Mounted on a standard banana plug.
29-41R (Red) 29-41B (Black)

29-43

Binding Plug (spring loaded). Head gives 24 oz. contact force. Designed for rapid connections. **29-43R (Red) 29-43B (Black)**

29-42

Twin Binding Plug. Two binding plugs mounted on a molded phenolic base. Banana plugs are on standard ¾" centers. Sold as a completely assembled unit with two screw type heads.

29-44 Same as 29-42 except with spring loaded heads.

TEST CLIPS

The basic clip is available in 4 types of mounting. Designed for panel mounting on test equipment to allow rapid connections without manual opening and closing of jaws. Hex nut allows for tension adjustment of each clip. Clips are nickel plated brass. Length of test clip (excluding mounting base) is 1⅛".

2-0 Threaded stud. 2-1 Banana plug. 2-4 Threaded stud with insulating washers. 2-6 Pin plug.

MINIATURE TEST CLIPS

A miniature version of the standard test clip, with the same construction and design, but extends only ¾" above the mounting surface.

2-20 Threaded Stud. 2-21 Banana Plug. 2-24 Threaded Stud with Molded Phenolic Insulating Washers

TEST CLIP ADAPTERS

2-2 For testing resistors, capacitors and other pigtail type components. Banana plugs are on standard ¾" centers. All metal parts are nickel plated brass. Mounting board is molded phenolic to MIL-M-14. Hex nut under clip allows for tension adjustment of individual clips. Test clip extends 1⅛" above board.

2-7 Similar to the 2-2 except that banana plugs are adjustable from ¾" to 1¼" centers.

INSULATED TEST CLIPS

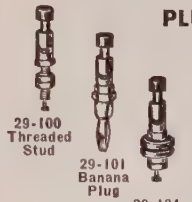
COMPLETELY INSULATED (including hinge pin) eliminating the danger of shorting. Molded parts are phenolic to MIL-M-14. .008" thick silver overlay at point of contact. Terminal is silver plated brass. Contact resistance .0015 ohms. All units tested at 500 volts to insure complete insulation.

16-B (Black) 16-R (Red)

TRANSISTOR SOCKET 22-11

Designed for JETEC 30 packaging. Leads fit on 100 MIL grid for printed circuit. Socket fits through ⅜" drilled or punched hole and may be fastened with rivets or #2 screws. Terminal numbers are molded into bottom of socket and top face has key rib for alignment with transistor tab. Contacts are wrap around type, silver plated beryllium copper with gold flash. Base is molded mica-filled phenolic per MIL-M-14. Type MFE.

PLUNGER BINDING POST



29-100 Threaded Stud. 29-101 Banana Plug. 29-104 Molded phenolic washers

Designed to provide fast positive connections, this post is operated by depressing the plunger, inserting lead, and releasing plunger. Spring pressure assures firm positive contact. Only ¾" overall height above mounting surface. Nickel plated brass parts. Red or black molded phenolic button cap.

SERIES 31 TEST JACKS

Designed for use on printed circuit boards as test points. Accommodates standard phone tip plugs from .081" to .0825" dia. Rivets to board like an eyelet. Rivet dia. is .114". Jack is silver plated brass with gold flash. Retaining ring is cadmium plated spring steel. Extends ¼" above circuit board.

31-1 (for 1/16" board)
31-2 (for 3/32" board)
31-3 (for ⅛" board)

PLASTIC SLEEVES FOR SERIES 31 TEST JACKS

Sleeves snap on and permanently lock in place over test jacks. Molded of thermo-setting plastic. Overall dimensions .24" dia. x .29" high. Available in black, red, green, gray, brown, blue, yellow and white. **31B—(Specify Color)**

COIL FORMS

(Pat. No. 2,653,992)

MOLDED OF MICA FILLED PHENOLIC per MIL-M-14, Type MFE with leads of tinned solid copper wire. Available in lengths from ½" to 1" and diameters from ⅛" to ¼". With or without anchoring posts.

STAND OFF INSULATORS

Body of insulator is molded of mica filled phenolic per MIL-M-14, Type MFE. Terminals are silver plated brass. Overall length excluding mounting stud is 15/16". Diameter is 5/16".

18-1 (Female)
18-2 (Male)

MATING INSULATING WASHERS

For jacks with a ⅜" dia. bushing. Washer for rear of panel has indexing hole that corresponds with the non-turn tab of the jack. Front washer fits under hex mounting nut. Sold in pairs.

21B78-1 (Mica-filled phenolic)
21B78-2 (Black elec. grade phenolic)

MOLDED INSULATING WASHERS

Molded from black electrical grade or mica filled phenolics. Available in eight different sizes for #2 to ⅜" screws. Overall diameters are ⅜", ½", or ⅝"

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* silicon transistors, germanium transistors, silicon diodes and rectifiers, carbon film resistors, sensistor® silicon resistors, tan-Ti-cap® tantalum capacitors.

tan-TI-cap® CAPACITOR STABILITY ASSURED BY 250-HOUR PERFORMANCE LOAD TEST

PREMIUM QUALITY AND STABILITY ASSURED BY 100% "BURN IN"

★ Each capacitor is stabilized for 250 hours at maximum rated temperature and voltage prior to shipment.

TYPE SCM
203 Standard Ratings
6 volts to 35 volts: 1μf to 330μf
±10% and ±20% tolerances

Capacity Microfarads		DC Working Voltage				
		6 Volts	10 Volts	15 Volts	20 Volts	35 Volts
±20%	±10%	Case Size	Case Size	Case Size	Case Size	Case Size
1.0	1.0	F	F	F	F	F
	1.2	F	F	F	F	B
1.5	1.5	F	F	F	F	B
	1.8	F	F	F	F	B
2.2	2.2	F	F	F	F	B
	2.7	F	F	F	B	B
3.3	3.3	F	F	F	B	B
	3.9	F	F	B	B	B
4.7	4.7	F	F	B	B	B
	5.6	F	B	B	B	B
6.8	6.8	F	B	B	B	B
	8.2	B	B	B	B	G
10	10	B	B	B	B	G
	12	B	B	B	B	G
15	15	B	B	B	B	G
	18	B	B	B	G	G
22	22	B	B	B	G	G
	27	B	B	G	G	H
33	33	B	B	G	G	H
	39	B	B	G	G	H
47	47	B	G	G	G	H
	56	B	G	G	H	
68	68	G	G	G	H	
	82	G	G	H	H	
100	100	G	G	H	H	
	120	G	G	H	H	
150	150	G	H	H		
	180	G	H			
220	220	H	H			
	270	H				
330	330	H				

★ Type SCM units are lot sampled. Type SCM-E units are individually "burned in".

Military and Industry Standard Ratings and Case Sizes

Operating Temperature Range: −80°C to +85°C at rated voltage, +125°C at 2/3 rated voltage.
DC Leakage Limits (Initial): 0.04μa/μfv @ 25°C
0.4μa/μfv @ 85°C
0.5μa/μfv @ 125°C
Dissipation Factor: 6% maximum @ 25°C
Surge Voltage Rating: 130% of rated
TI Stability Test Specification:

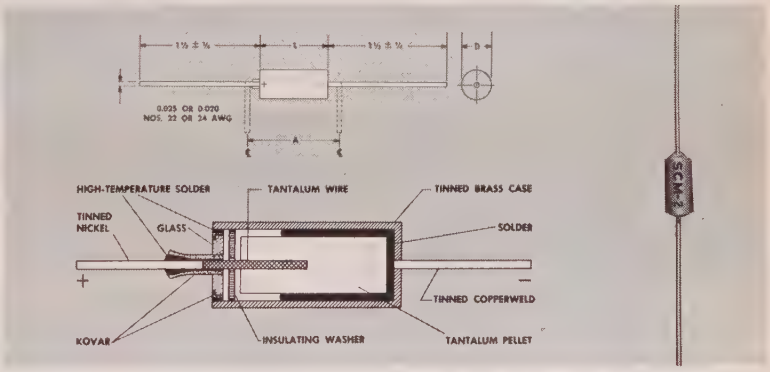
★ *Each capacitor shall be operated for 250 hours at rated temperature and voltage prior to final acceptance and shipment.*

Dynamic DC Leakage Test:
Capacitors are tested at rated voltage and temperature for intermittent leakage instability (noise, scintillation, arcing, etc.)

Life Test:
Lot tested for 2000 hours at rated temperature and voltage.

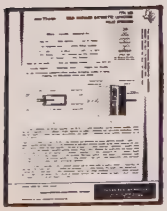
Units meet or exceed MIL-C-55057 (Sig C) and/or MIL-C-21720A (Navy).
Reverse Voltage Capability
Hermetically sealed, corrosion resistant case
Solid electrolyte eliminates leakage and dehydration
High stability with respect to time and temperature permits maximum circuit design use.
Performance proved in exacting commercial, industrial, and military applications.

Complete specifications available upon request.



case size	D +0.010 −0.005	L ±0.031	*A ±0.031	wire size AWG	avg. wt. gms.	with KEL-F insulating sleeve: D +0.020 −0.010	L ±0.062	avg. wt. gms.	with Mylar insulating sleeve**: D ±0.010	L ±0.031	avg. wt. gms.
F	0.125	0.250	0.482	24	0.4	0.162	0.337	0.5	0.135	0.322	0.4
B	0.175	0.438	0.688	24	1.1	0.210	0.525	1.3	0.185	0.510	1.2
G	0.279	0.650	0.888	22	2.7	0.315	0.735	3.1	0.289	0.722	2.8
H	0.341	0.750	0.988	22	3.3	0.377	0.835	3.9	0.351	0.822	3.4

* Dimension "A" determined by suspending a one-pound weight from one lead and rotating the case from the vertical position to the horizontal position, and then repeating the procedure for the other lead.
** Meets all requirements of MIL-C-55057 and MIL-C-21720A, including dimensions.



Write to your nearest TI sales office on your company letterhead for Bulletin DL-C 1173 which gives detailed specifications on the complete SCM series.

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Gabriel's ruggedized PUBLIC UTILITY LINE and industrial COMMERCIAL LINE parabolic antennas offer plus values in Microwave systems requiring top performance and maximum versatility.

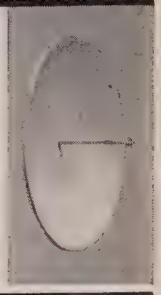
3 Point Suspension

Anti icing propane heater.

COMPLETE COVERAGE

VERSATILE MOUNTING

RADOMES



ANTENNA SYSTEMS

Gabriel has designed and produced hundreds of medium size radar antenna systems ranging between 10 and 45 feet in diameter — fan beam — cosecant squared — and true paraboloidal in shape for shipborne, and land based search and surveillance radar applications.

ASR-4 Radar

Dependable, MIL-SPEC CONSTRUCTION

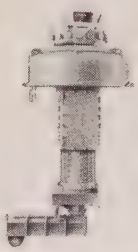
ALUMINUM/STEEL

High powered shipborne long range search radar antenna — servo controlled.

High power land based 45 ft. search radar antenna.

ROTARY JOINTS

Gabriel rotary couplers are designed for present and future sophisticated, ultra-long range search and detecting radar, and radio astronomy systems. Fifteen years of custom design and manufacture of all types and sizes give Gabriel leadership in this specialized field.



HIGH POWER
2 MegW @ S-BAND

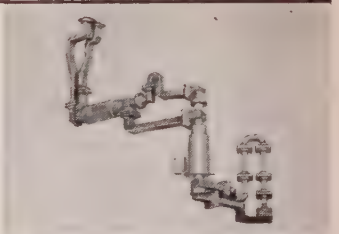
BROAD BAND

LOW WOW

X-BAND

MULTI CHANNEL

LOW VSWR



Complex dual channel rotary couplers and feed for airborne radar.

HORNS AND FEEDS

Gabriel's Horns and Feeds and other antenna components are in use extensively throughout the world — in tropo scatter — in dual polarized ultra long range radio-astronomy — in advanced slotted arrays and corporate structures — L to X-Band.

LINEAR, CIRCULAR POLARIZER

Feed ASR-4

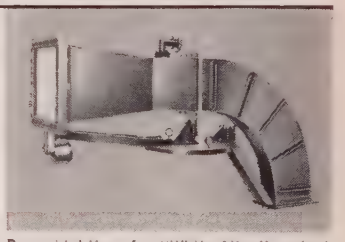
Hi Gain
Hi Efficiency

Heated . . . Adjustable — 360°
4000 & 7000 MC Hop Stretcher Feeds

DUAL POLARIZED
E AND H-PLANE

HI-POWER

ANTI ICING



Pyramidal Horn for "White Alice" project

AERO SPACE ANTENNAS

Gabriel's line of Ground Support and Aero-Space circularly polarized antennas includes a series of ruggedized UHF omni's, a complete line of L, C, S and X Band aircraft, drone, and missile antennas, and UHF slaved steerable tracking antennas.

COMMAND DESTRUCT
OMNI DIRECTIONAL
OVERHEAD COVERAGE
NULL FILL IN
406 to 500 MC
GAIN 10 db

Patrick Sr.
AT-782/U

AIRBORNE
L-BAND HELIX
LOW VSWR
3 db CIRCULARITY

Airborne flush-mounted cavity-backed helical antenna.

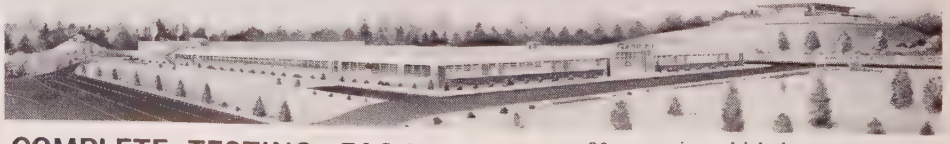
Patrick Jr.
AT-781A/U

DRONE CONTROL
406 to 549 MC
GAIN 5 db
PRESSURIZED
COVERAGE RATIO
RANGE TO
HEIGHT 5 to 1

Slaved Steerable Tracking Antenna Model 359

RESEARCH AND DEVELOPMENT

Gabriel's team of engineers and scientific staff places particular emphasis on research and development. In the past 5 years many "firsts" have been achieved in microwave art. Among these are re-entry, high velocity missile tracking, electronic scanning and an extension of the art in passive reflectors.



COMPLETE TESTING FACILITIES — on 80 acre site which houses a 73,000 sq. ft. ultra modern research, engineering, and manufacturing center. Microwave dark room — six centrally located pattern ranges 200, 400, 1000, 1200, 2200, and 3400 are in operation — three additional ranges are being established.

Gābriel electronics DIVISION OF THE GABRIEL CO., MILLIS, MASS.

FR 6-2953

Write for data sheets on our product line.

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

HLAB

regulated transistorized power supplies

800A-2 $580.00

TWIN SUPPLY — BENCH MODEL

DUAL 0-36 VOLTS @ 0-1.5 AMPS

LOAD REGULATION: Less than 5 millivolts

LINE REGULATION: Less than 5 millivolts

RIPPLE AND NOISE: Less than 200 microvolts

SIZE: 7″ W x 9″ H x 10½″ D

FEATURES: Two sides may be connected in series for 0-72 volts @ 0-1.5 amps. 10½″ high panels for rack mounting one or two units available.

2.5 AMP BENCH SUPPLY

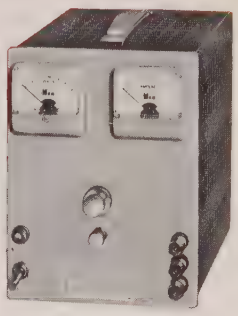
0-36 VOLTS @ 0-2.5 AMPS

LOAD REGULATION: Less than 10 millivolts

LINE REGULATION: Less than 5 millivolts

RIPPLE AND NOISE: Less than 250 microvolts

SIZE: 7″ W x 9″ H x 10½″ D



800B-2 $339.00

FEATURES: Inexpensive precision laboratory type supply of medium current capability. 10½″ panels for rack mounting one or two units available.

802B $580.00

TWIN SUPPLY — RACK MODEL

DUAL 0-36 VOLTS @ 0-1.5 AMPS

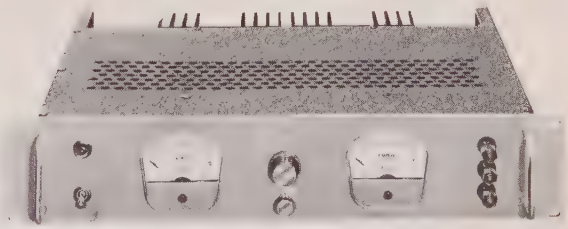
LOAD REGULATION: Less than 5 millivolts

LINE REGULATION: Less than 5 millivolts

RIPPLE AND NOISE: Less than 200 microvolts

SIZE: 3½″ H x 15″ D x 19″ W

FEATURES: Two sides may be connected in series for 0-72 volts @ 0-1.5 amps. Output terminals on both front and rear of supply.



806A (without meters) $320.00
806AM (with meters) $350.00

PROGRAMMABLE SUPPLY

0-20 VOLTS @ 0-2 AMPS

LOAD REGULATION: Less than 3 millivolts

LINE REGULATION: Less than 3 millivolts

RIPPLE AND NOISE: Less than 200 microvolts

SIZE: 3½″ H x 15″ D x 19″ W

FEATURES: Output terminals on both front and rear of supply. Remote programming. Remote sensing.

COMPACT BENCH SUPPLIES

855: 0-18 VOLTS @ 0-1.5 AMPS

865: 0-40 VOLTS @ 0-0.5 AMPS

LOAD REGULATION: Less than 5 millivolts

LINE REGULATION: Less than 5 millivolts

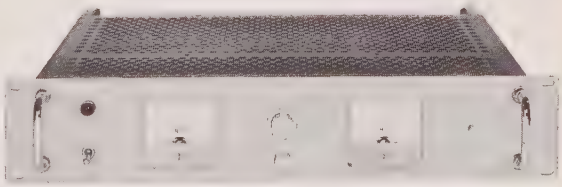
RIPPLE AND NOISE: Less than 500 microvolts

SIZE: 8″ W x 5 1/16″ H x 8″ (mounted in case)

855 (without case) $163.00
865 (without case) $173.00
C-855/865 (case) $ 12.00

FEATURES: Switch enables meter to monitor output voltage or current. Remote programming. 865 overload protection circuit features adjustable current limit. 5¼″ high rack mounting panels available.

CAN BE OPERATED IN SERIES OR PARALLEL



808A $425.00

NEW GENERAL PURPOSE SUPPLY

0-36 VOLTS @ 0-5.0 AMPS

LOAD REGULATION: Less than 10 millivolts

LINE REGULATION: Less than 5 millivolts

RIPPLE AND NOISE: Less than 1 millivolt

SIZE: 3½″ High x 15″ Deep x 19″ Wide (Rack Mounting)

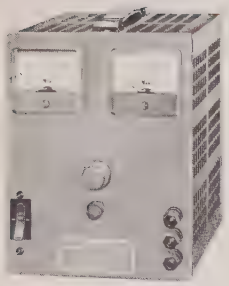
FEATURES: Continuously variable output voltage; adjustable current limit set by front panel knob. Output terminals on rear of supply. Remote programming. Remote sensing.

HARRISON LABORATORIES, INC.

45 INDUSTRIAL ROAD • BERKELEY HEIGHTS, NEW JERSEY • CR 3-9123 TWX—SUMMIT, N. J. 977

HLAB

regulated transistorized power supplies



0-100 VOLT BENCH SUPPLY

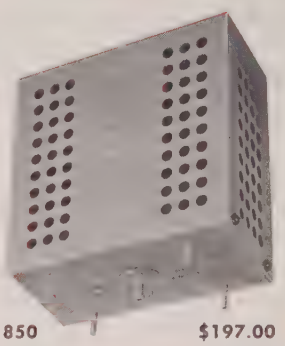
0-100 VOLTS @ 0-1 AMP
LOAD REGULATION: .01% or 5 millivolts
LINE REGULATION: .02% or 5 millivolts
RIPPLE AND NOISE: Less than 1 millivolt
SIZE: 7″ W x 9″ H x 10½″ D

880 $375.00

FEATURES: Continuously variable output voltage — no range switching. 10½″ high panels for rack mounting one or two units available.

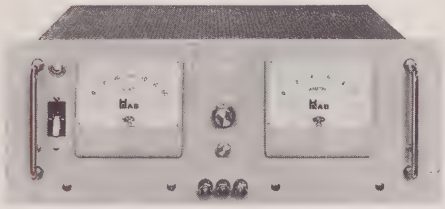
CHASSIS MOUNTING SUPPLIES

850: 0-15 VOLTS @ 0-1.0 AMPS
860: 0-36 VOLTS @ 0-0.5 AMPS
LOAD REGULATION: Less than 3 millivolts
LINE REGULATION: Less than 3 millivolts
RIPPLE AND NOISE: Less than 500 microvolts
SIZE: 6½″ L x 3″ W x 6″ H



850 $197.00
860 $197.00

FEATURES: All connections made to octal plug shown in photograph. Remote programming. Remote sensing. 3½″ high panels for rack mounting available.



810A $895.00

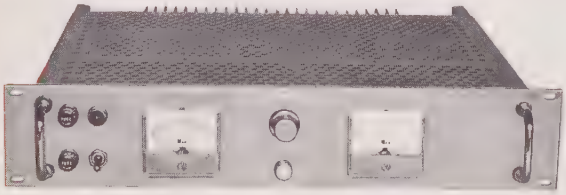
VARIABLE HIGH CURRENT SUPPLY

0-50 VOLTS @ 0-7.5 AMPS
LOAD REGULATION: Less than 10 millivolts
LINE REGULATION: Less than 5 millivolts
RIPPLE AND NOISE: Less than 1 millivolt
SIZE: 7″ H x 17″ D x 19″ W
FEATURES: Continuously variable output voltage. Output terminals on both front and rear of supply. Remote sensing.

812C $550.00

FIXED* VOLTAGE HIGH CURRENT SUPPLY

SELECTABLE 0-32 VOLTS @ 0-10 AMPS
LOAD REGULATION: Less than 0.02 volts
LINE REGULATION: Less than 0.01 volts
RIPPLE AND NOISE: Less than 1 millivolt
SIZE: 5¼″ H x 16″ D x 19″ W
FEATURES: *Output voltage is variable over narrow range about some nominal value; range is easily changed to meet new requirements. Front and rear terminals. Remote sensing. Marginal checking provision available.

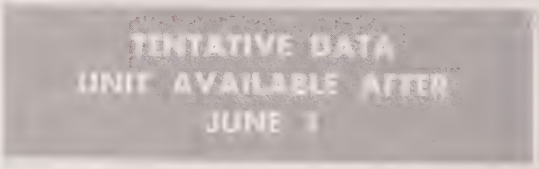


890A (Price unavailable at this printing)

300 VOLT TRANSISTORIZED POWER SUPPLY

0-300 VOLTS @ 0-600 MILLIAMPERES
LOAD REGULATION: 0.001% (from no load to full load)
LINE REGULATION: 0.001% (from 105 to 125 VAC)
RIPPLE AND NOISE: 0.005%
SIZE: 3½″ High x 15″ Deep x 19″ Wide (Rack Mounting)
FEATURES: Output voltage continuously variable. All semiconductorized — no tubes. Remote sensing. Remote programming.

(Above data is tentative; production quantities of 890A and other 300 volt transistorized supplies of higher current rating will be available during the fourth quarter of 1960.)



801B $115.00

STRAIN GAGE POWER SUPPLY

0-15 VOLTS @ 0-200 MILLIAMPERES
LOAD REGULATION: Less than 5 millivolts
LINE REGULATION: Less than 5 millivolts
RIPPLE AND NOISE: Less than 100 microvolts
SIZE: 4 15/16″ H x 11½″ D x 1 13/16″ W
FEATURES: Nine modules can be mounted on a 5¼″ high relay rack panel. Insulation resistance greater than 10,000 megohms. Low capacity to ground insured by triple-shielded transformer; one shield surrounding entire supply is brought out for external guard ring connection.

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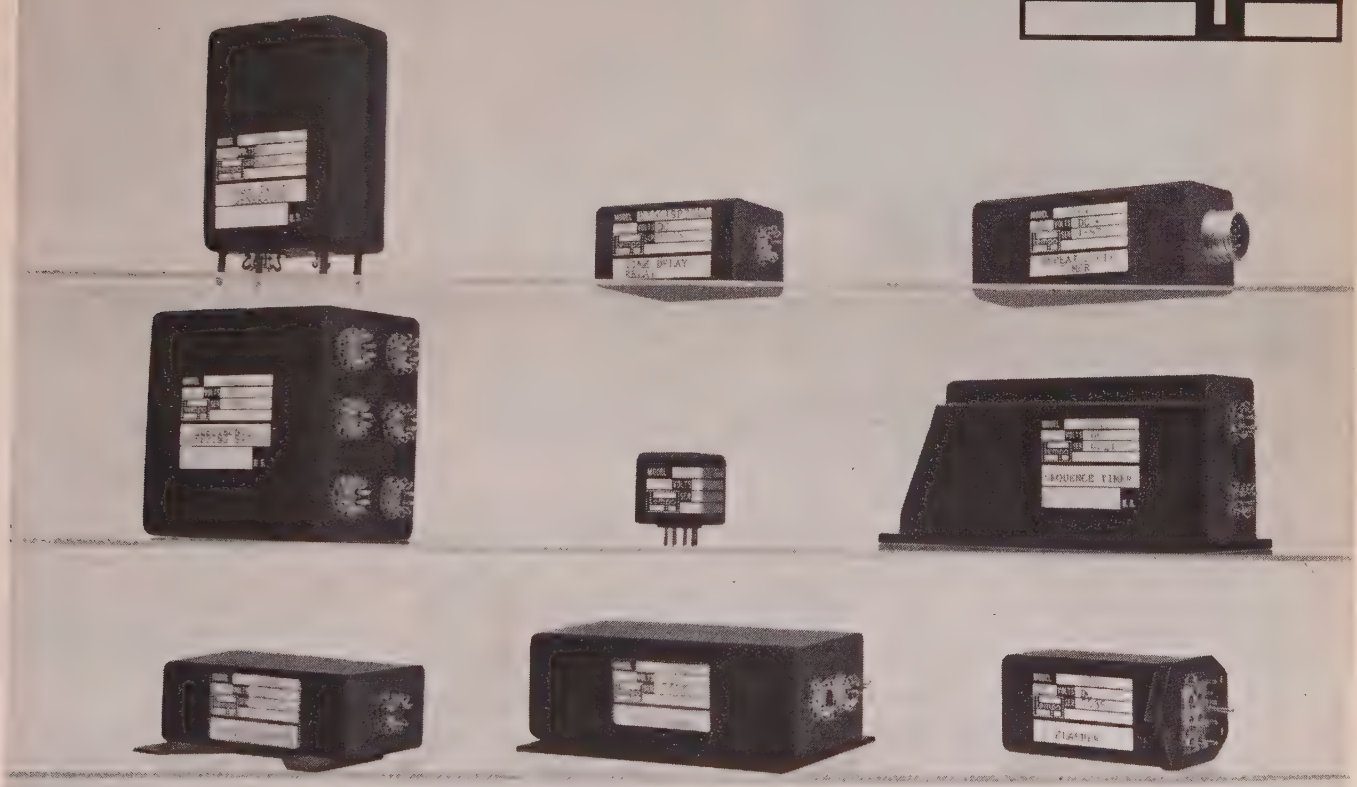
ELECTRONIC TIMING OF PRECISION AND RELIABILITY

Advanced missile systems, space-probing research vehicles, high performance avionic and ground support equipment, industrial controls . . . these are some of the areas where the vital need for accurate, ultra-reliable timing is being met by Tempo Instrument Incorporated. Tempo's highly developed research and engineering skills, together with modern manufacturing techniques, represent the State-of-the-Art in the field of electronic timing devices and controls. Lending strong support to these advanced technologies is Tempo's exacting Quality Assurance Program, a company-wide function culminating with temperature and voltage testing of each production line unit. If the performance and reliability requirements of your timing needs are of a high order . . . and if you regard considerate customer service, with the emphasis on cooperation, as equally important . . . you are invited to write, phone or TWX for complete engineering and catalog data. Tempo Instrument Incorporated, Box 338, Hicksville, N.Y. • OVerbrook 1-2280 • TWX Hicksville 429

tempo



PULSE TRAIN GENERATORS. For control of various loads in a single system. Provide output signals and pulses of specified characteristics.

ELECTRONIC STEPPING SWITCHES. Operate from pulsed 28 vdc input. Deliver as many as 50 or more output voltages in sequence. Guaranteed life of one million cycles minimum.

INTERVALOMETERS. Typical operation: 300 seconds after application of 28 vdc, output relay energizes; 3 seconds later, relay de-energizes. Cycle repeats itself until supply voltage is removed.

ELECTRONIC TIME DELAY RELAYS. No moving parts except relay contacts, 2PDT-2 amp or 3PDT-10 amp ratings; fixed or adjustable time delays from .02 to 300 seconds.

SOLID STATE TIMING MODULES. Subminiature "building block" components, with timing sequence control; may be used to develop a wide range of timing and programming devices. Fixed or adjustable time periods from .00005 to 300 seconds.

PROGRAMMERS. Designed to meet particular system requirements. Typical unit may control a complete timing and sequence program covering more than 5000 seconds.

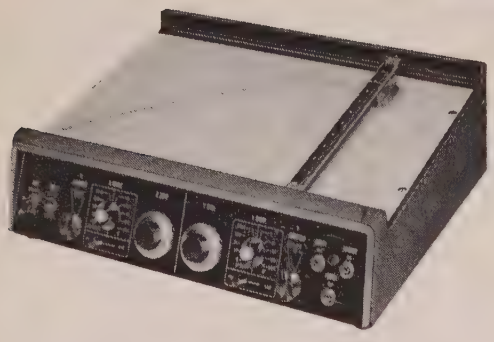
REPEAT CYCLE TIMERS. Provide multi-channel control signals, each with a timing pulse of pre-determined magnitude. Sequencing of output pulses is synchronized.

SEQUENCE TIMERS. Typical operation: Delivers sixty-four sequential pulses each of 100 milliseconds duration, starting immediately upon application of 28 vdc. Automatically stops after last pulse.

FLASHERS. Typical operation: Flashing rate of 40 cycles per minute, with a one-to-one ratio of on time to off time.

MOSELEY AUTOGRAF

NEW MODEL 2D X-Y RECORDER



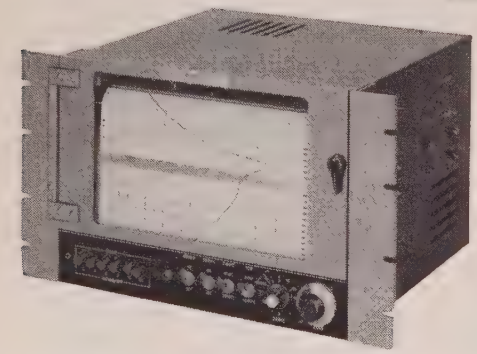
Integral AC/DC input
No extra AC converter needed
Built-in sweep circuit
Popular 11" x 17" size

with accessories including

Digital Character Printer, Curve Follower, Continuous-Roll Transport, "Tear-off" Chart Transport.

New Model 2D X-Y Recorder has an input range of 7.5 mv to 150 v on X-axis; 5 mv to 100 v on Y-axis; each in 10 steps. Input resistance 200,000 ohms/v; zero offset; accuracy and resolution of ± .2%. X-axis time base, 5 steps, 7.5 to 750 secs. Pen speed 20 in/sec; vacuum paper hold down. Variable range extender both axes.

NEW MODEL 80 STRIP-CHART RECORDER



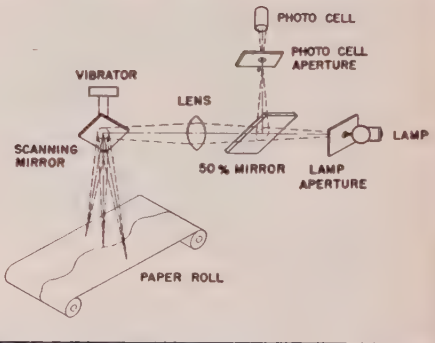
6 push-button variable chart speeds
Transistor speed switching; no gears
Local or remote chart and pen control
Roll-out carriage simplifies chart change

New precision laboratory strip-chart recorder providing instantaneous control of all functions; employing standard 120′ chart rolls. Input ranges 5 mv to 100 v, with 10 calibrated steps plus continuous vernier span control. Full range zero set; input resistance 200,000 ohms/v through 10 v; 2 megohms on higher ranges. Sensitivity 0.05% full scale, resolution and accuracy 0.2%. Pen speed (max.) ¼ second full scale, chart speeds 2, 4, 6, 8, 15 and 60 in/min; other speed groups available.

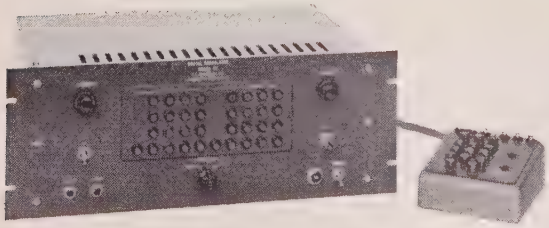
NEW TYPE F-2 LONG STRIP CURVE FOLLOWER

Tracks, converts trace to electrical energy
No metallic inks or re-drawing required
Unique photoelectric-oscillating mirror principle
Permits digital output for tapes, cards, etc.

This new-approach instrument eliminates tedious re-tracing of flat charts with metallic inks, and makes possible swift reconversion to electrical output of any trace on continuous roll charts. Oscillating mirror-photocell design uses advanced optics to sweep, sense and convert any trace to electric energy. Model F-2 is also a complete Strip-Chart Recorder, offering features of Model 80 above.



NEW MODEL 42 DIGITAL TRANSLATOR



Permits cartesian plotting of digital data
Accepts keyboard, card, perforated or magnetic tape inputs
High-speed transistorized control circuits
Accepts 4 digits and sign per axis; front panel matrix contents display

Model 42 accepts digital data, presents analog output plus control signals for automatic operation of Moseley X-Y Recorders. Accuracy of analog-digital conversion 0.1%. Compatible with IBM Summary Punches and Card Readers including Models 514, 519, 523, 524, 526, etc. May be driven, without modification, by mechanical punched tape readers or motorized readers; also has 10-key serial keyboard for manual operation.

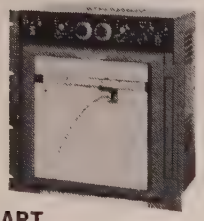
Accessories include Flexowriter converter, remote decimal contents readout panel, converter for optical or magnetic tape operation.

FIELD REPRESENTATIVES IN ALL PRINCIPAL AREAS

LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION.

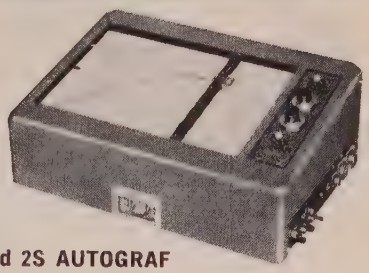
When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

X-Y RECORDERS, STRIP CHART RECORDER, ACCESSORIES



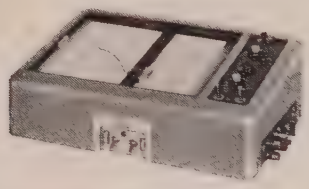
Model 6S, AUTOMATIC CHART ADVANCE AUTOGRAF

A rack mounting X-Y Recorder with a capacity of 120 complete 10" x 10" charts in a standard roll. Internal transport mechanism automatically and precisely positions new chart when desired. Used charts may be stored or torn off individually. Vacuum paper hold-down; sweep circuit operates on Y-axis.



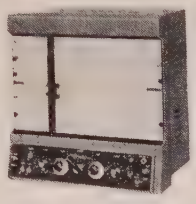
Model 2A and 2S AUTOGRAF

A flat-bed 11" x 17" X-Y Recorder for bench top use. Input facilities for point plotter, curve follower, tape or card translator. Internal vacuum system for paper hold-down. "T" square type recording mechanism with easily changeable ink pen. Model 2S includes sweep circuit on X-axis.



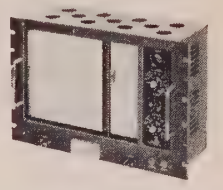
Model 3S AUTOGRAF

A flat-bed 8½" x 11" X-Y Recorder for table-top use. Compact and lightweight, this instrument is ideal for general laboratory work. Independent servos drive "drafting machine" type pen mechanism without interaction. Model 3S includes sweep circuit on X-axis.



Model 4S and 4B AUTOGRAF

The model 4S is a rack mounting 11" x 17" X-Y Recorder with built-in facilities for data reduction and Curve Follower accessories. Model 4B is a two-pen X-Y Recorder for simultaneous plotting of two dependent variables. Each pen traverses full vertical scale. Both models include X-axis time base.

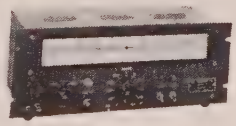


Model 5S and MR5 AUTOGRAF

A rack mounting version of the Model 3 AUTOGRAF, this 8½" x 11" X-Y Recorder occupies only 12¼ inches of vertical rack space making it desirable for use where a number of recorders are employed simultaneously. Model 5S includes a sweep circuit on the X-axis. Model MR5 is a militarized 400 cycle version of the Model 5, available on special order.

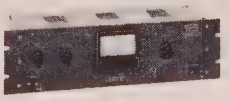
Model 1 AUTOGRAF

This completely portable 8½" x 11" X-Y Recorder is a preferred model for many uses. Drum type recording platen is compact and rugged. May be fitted with external Curve Follower. Removable cover protects operating mechanisms when transported.



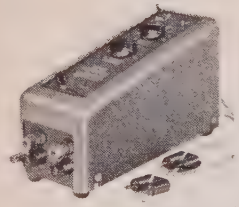
Model 20 DC VOLTMETER

A high accuracy servo-actuated, multirange DC Voltmeter with large, easy to read, linear scale. Eleven voltage ranges: 3, 10, 30, 100, 300 millivolts and 1, 3, 10, 30, 100, 300 volts, full scale. Internal standard calibration cell. Input resistance 200,000 ohms/volt on all scales up to 30 volts; 60,000 ohms/volt on 100 volt scale; 20,000 ohms/volt on 300 volt scale. Zero left and zero center adjustment feature. 0.25% of full scale accuracy, all ranges.



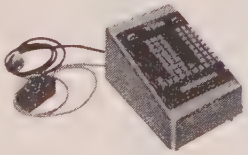
Model 60B LOGARITHMIC CONVERTER

Converts DC or AC input voltages to DC voltages proportional to the logarithm of the positive peak amplitude of the input voltage. For use as a computer element or in gain-frequency plotting systems for recording characteristic curves of amplifiers or resonant devices. Better than 60 db dynamic range; 20 to 20,000 cps frequency range; normal operating speed 20 db per second; output ranges of 5, 10, and 20 db per inch; ± ½ db accuracy.



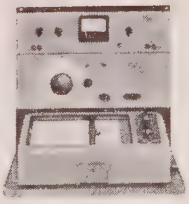
TYPE A-1 AC TO DC CONVERTER

An external unit to convert AC input voltages to DC voltages suitable for application to the axes of an Autograf X-Y Recorder. 20 cps to 100 KC frequency range; steps of 0.1, 0.2, 0.5, 1.0, 2.0, 5.0, 10, 20 volts per inch, each axis; calibrated in RMS for sinusoidal input; 2 megohms input resistance (shunted by less than 25 mmfd); linearity 0.1% to 20 KC, 0.3% to 100 KC; accuracy 0.5% to 20 KC, 2% to 100 KC.



Model 40A KEYBOARD

Full keyboard type for direct use with Model 2 or 4 series AUTOGRAF. Built-in regulated power supply furnishes voltage to resistor matrices associated with keys for each axis. Plots from zero to ± 1999 on each axis; ± 0.10% digital to analog conversion accuracy; special circuits for calibration, error detection, and selection of "hold" or automatic "clear" on each axis independently. Available in ten-key type, Model 41A.



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Consists of Model 3 AUTOGRAF X-Y Recorder, Model 60B Logarithmic Converter, and Model 207 AR Hewlett-Packard motor driven Audio Sweep Oscillator, all conveniently mounted for bench top use. Characteristic curves are produced automatically as rapidly and as often as desired by merely pushing an actuating button. Better than 60 db dynamic range with ± ½ db accuracy. 20 to 20,000 cps frequency range. Flexible inter-connecting method makes individual units available for separate use.

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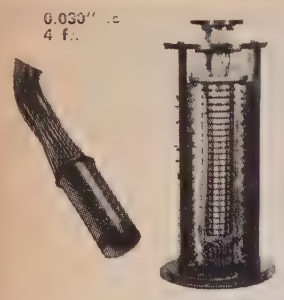

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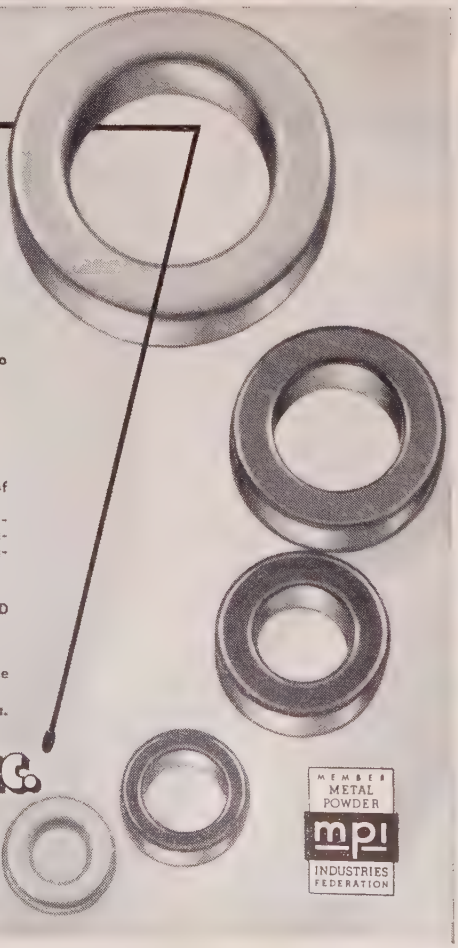

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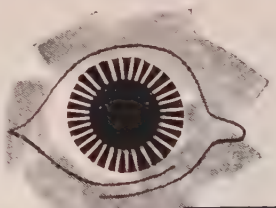

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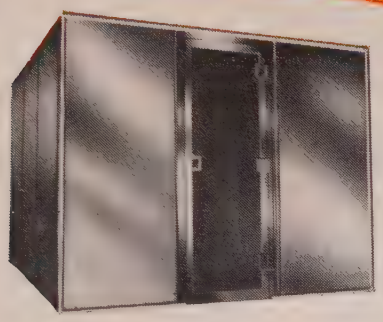

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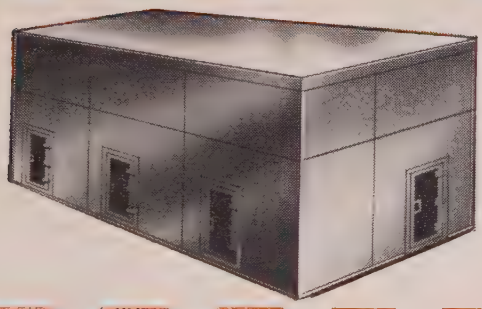
SHIELDING'S RF Enclosures are available in an unlimited variety of sizes, these enclosures are designed and engineered to provide maximum attenuation and durability. Incorporated into these enclosures are such special features as: complete erection from the inside, solid floor construction (tile finish), interchangeable panel construction, versatile door design with four way swinging action or our special flush threshold door design, waveguide-type ventilation, filter panel or solid construction, etc.



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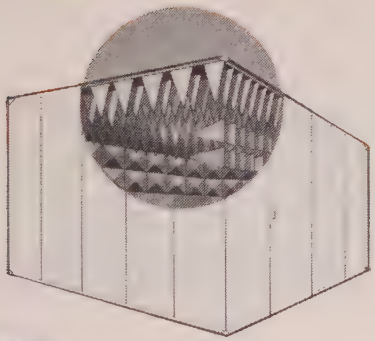
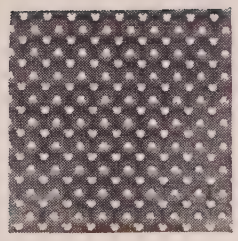
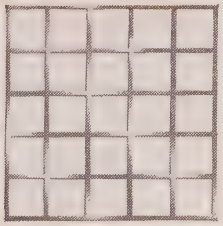
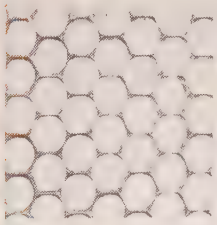


SHIELDING'S Anechoic Chambers are offered with 24 gauge zinc clad steel Electro-Armorply panels. Two types are available — shielded or partially shielded. Recognized and tested absorber materials can be supplied to meet mechanical and power dissipation requirements. Unique magnetic backing allows ease in installation and provides exceptional versatility of arrangement. Present applications are found in the simulation of free space conditions and for indoor radiation pattern measurements for frequency ranges of a few hundred megacycles and up.



AEEL Gasket material effectively suppresses seam leakage despite contact with anodized, oxidized or coated surfaces.





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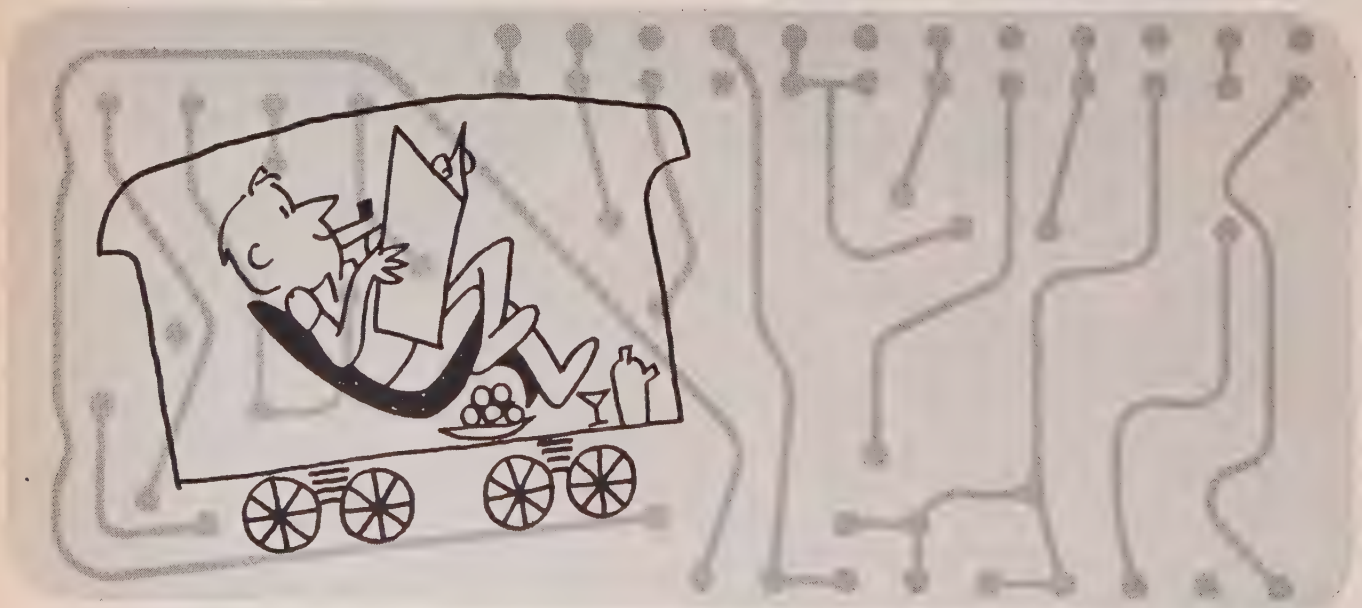

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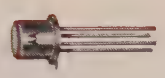

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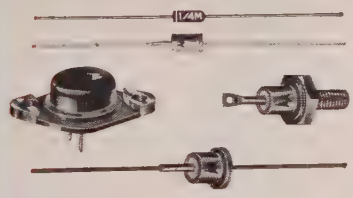

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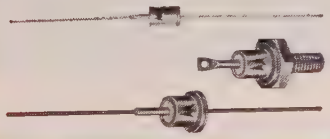

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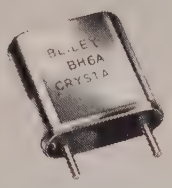


BH6 SERIES

BX SERIES

BG7 SERIES

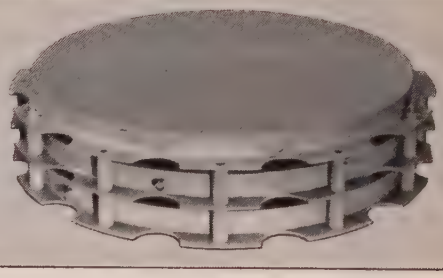
BG9 SERIES

BH9 SERIES

ULTRASONIC DELAY LINES

DOUBLE ENDED RINGING LINE

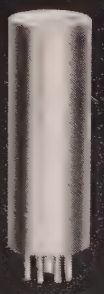
SET OF THREE MATCHED DELAY LINES



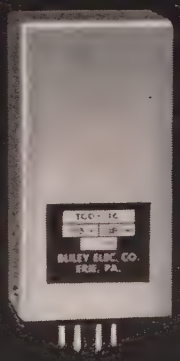
OVENS

BCO-10 SERIES

TCO-141 SERIES



BTC-2 SERIES



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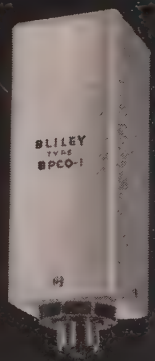

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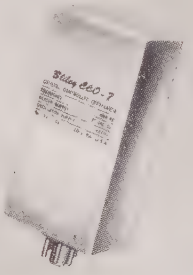
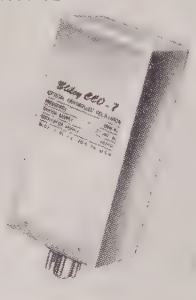
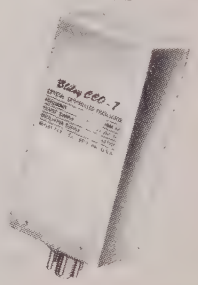






BLILEY ELECTRIC CO. UNION STATION BUILDING ERIE, PA.

CRYSTALS

SERIES	FREQUENCY RANGE	DESCRIPTION	BULLETIN
BH6	200 kc to 150 mc	Holder is equivalent to MIL Type HC-6/U. Can be supplied with all MIL Type crystal units, and for commercial requirements. Special models for high shock, temperature and vibration applications. Also available with wire leads.	No. 493
BX	5 mc to 125 mc	Holder is equivalent to MIL Type HC-18/U. Can be supplied with all MIL Type crystal units and for commercial requirements. Also available with plug-in pins.	No. 502
BH9	2 kc to 200 kc	Holder is equivalent to MIL Type HC-13/U. Can be supplied with all MIL Type crystal units. Also available with wire leads. Special models for high shock, vibration and temperature applications.	No. 501
BG6	3 mc to 100 mc	Glass mounted crystal unit has minimum ageing and high reliability. Also supplied with wire leads when part of BTC-2 crystal oven assembly. Special model BG61A-5 at 5 mc has maximum stability for time standards.	No. 496A. No. 505A No. 519
BG7	4 kc to 3 mc	Advanced design in all glass mounting for plug-in or with wire leads in Bliley TCO-11C oven assembly. Exceptional stability with low ageing and low resistance.	No. 503A
BG9	100 kc or 1000 kc	Glass mounted crystal unit developed for secondary standards. Has minimum ageing and high Q for stability.	100kc-No.492 1000kc-No.491
BG12	100 kc	Glass mounting for GT-cut crystals at 100 KC. Supplied with wire leads in TC97 oven assembly for primary standards.	No. 498

ULTRASONIC DELAY LINES

Bliley ultrasonic delay lines for the range 2 to 4500 microseconds are custom engineered for each application. Exceptional performance characteristics such as low loss and attenuation of spurious responses result from a complete appreciation of the critical factors involved.

A new series of low loss short delay lines (2 to 50 microseconds) for carrier frequencies up to 30 mc utilizes barium titanate transducers. Loss levels of these lines, into terminations of 100 ohms, range from 6 db to 10 db compared to 35 db for quartz transducers. Bliley is completely equipped to design, produce and test ultrasonic delay lines for your application. Request Bulletins No. 48 and No. 513.

OVENS

SERIES	HEATER VOLTAGE	DESCRIPTION	BULLETIN
TCO-14	6.3, 12.0, 26.5 or 115	High stability (±1°C.) oven for use with Bliley crystal series BH6 or BH9 (MIL-Holders HC-6/U or HC-13/U)	No. 514
TCO-141	6.3, 12.0 or 26.5	Crystal and component oven with stability ±1.5°C. features snap-action thermostat for reliable performance and low circuit interference. For use with Bliley crystal series BH6 or BH9 (MIL-Holders HC-6/U or HC-13/U)	No. 515
TC90	6.3, 18 or 115	Precision crystal ovens for frequency standards. Single stage models hold ±1°C.; Dual stage models hold ±.25°C.	No. 500
BTC-1	6.3	An hermetically sealed crystal and oven subminiature plug-in package which maintains frequency ±3 ppm with ambient temperature variation from —55°C. to +70°C. Freq. range: 5 mc to 125 mc.	No. 494
BTC-2	6.3 or 26.5	An hermetically sealed plug-in package consisting of oven and glass mounted crystal for high reliability, high stability and low ageing. Freq. range: 4 kc to 125 mc.	No. 497
BCO-10	12.6, 26.5 or 115	A compact component oven providing temperature control for up to 10 diodes. Stability ±1°C. with ambient temperature —10° to +50°C.	No. 517
BPCO-1	26.5	High stability transistorized proportional controlled plug-in oven for crystals and components. Stability ±.01°C. from +10°C. to +50°C. For use with Bliley crystal series BG6, BG7 and BG9.	No. 518
TCO-11C	115	Precision oven designed for use with Bliley BG6 and BG7 series glass mounted crystals. Temperature stability ±.1°C.	No. 508

CRYSTAL FILTERS

Bliley filter networks are available in three standard designs with characteristics selected for general application as shown in the following tabulation:

MODEL	FREQ.	BW-6db	BW-60db	FORM FACTOR	IMPEDANCE
BFN-5	5.0 mc	3.5 kc	12 kc	3.5	1600 ohms
BFN-11	10.7 mc	30.0 kc	55 kc	1.8	2700 ohms
BFN-13	13.0 mc	30.0 kc	55 kc	1.8	1500 ohms

CUSTOM ENGINEERED FILTERS

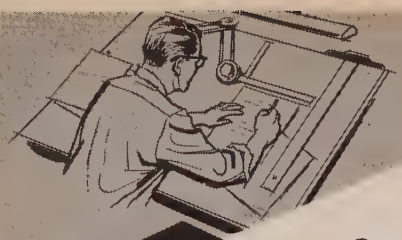
Bliley facilities are available for analysis, design and production of crystal filter networks for specialized applications over the range from 100 kc to 40 mc. Depending upon functional requirements, bandwidths from 50 cycles to 100 kc are attainable. With an unsurpassed background in the development and manufacture of quartz crystal resonators, Bliley is in a unique position to utilize modern crystal filter synthesis techniques in combination with special quartz resonators having low spurious response characteristics. Request Bulletin No. 509.

PACKAGED OSCILLATORS

The Bliley Model CCO-7 is an ultra-stable, packaged oscillator combining transistorized circuitry, temperature control and a precision quartz crystal at 1 mc, mounted in glass, for stability of 4 parts in 10 million.

For other frequencies, Bliley is prepared to quote on custom engineered designs necessary to meet application requirements. Bliley has extensive experience in packaged oscillators providing high stability performance in range 2 kc to 100 mc.

Request Bulletin 516 for detailed specifications on the 1 mc packaged oscillator.



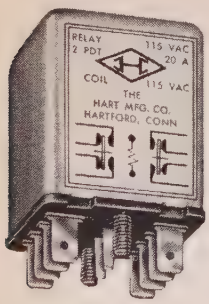
"Diamond H" Relays for applications demanding utmost reliability

SERIES R RELAYS

Miniature, hermetically sealed, 4PDT aircraft-missile relays. Completely reliable in ambient temperature ranges from —65° C to —200° C. Contacts from micro-amperes to 10 A; vibration resistances to over 2,000 cps at 20 "G"; operating shock resistance to 50 "G" and up. Weight: 4 ounces or less.

SERIES S RELAYS

Greatest dry circuit reliability assured by coil separately sealed within outer hermetically sealed case. Switch mechanism contains no organic matter to virtually eliminate contact contamination. Dry and "hot" circuits can be safely intermixed. Electrically and physically interchangeable with Series R Relays.



SERIES W RELAYS

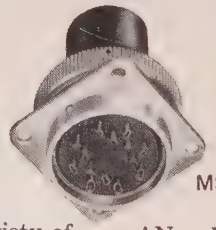
DPDT double break, general purpose, AC/DC relays; measure only 1½" x 1½" x 1⅞" but rated to 25 A resistive at 115-230 VAC, 1 HP 115 VAC, 2 HP 230 VAC. With 12 possible contact arrangements, including sequencing, applications include automation equipment, appliance, heater circuits, motor starting and clock controlled systems.

SERIES P RELAYS

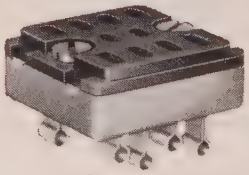
Sensitive, polarized, SPDT, with two independent coils; will handle over 1,000 pulses per second. Coil resistances from 10 to 4,000 ohms each coil. Contact ratings vary with switching speeds but range to 2 A with voltages up to 120 AC or DC, depending on amperages employed. Standard octal socket mount.

MOUNTING ARRANGEMENTS TO MEET ALL NEEDS

Ceramic Socket



MS-AN Type Connector



Series W Socket

Illustrated here are only three of the wide variety of standard mounting arrangements available for "Diamond H" relays. Special mounting arrangements can usually be devised to meet unique requirements.

Series R and Series S Relays are available in two-hole, loose bracket, fuse clip, two stud, three stud AN, subchassis, ceramic socket and MS-AN connector type mounting arrangements.

Basic Series W Relay mounting arrangements include side, panel and socket mounts. Spade terminals make for easy wiring.

"Diamond H" engineers are prepared to work with you to develop variations on these relays to meet your specific requirements. Tell us your needs . . . by phone or letter.

THE HART MANUFACTURING COMPANY

240 Bartholomew Ave., Hartford 1, Conn.

Phone JAckson 5-3491

SPECIALISTS IN THE 3 C's OF ELECTRONICS

CABLES

Complete versatility of design plus extra reliability characterize Bendix® Cable Assemblies. Types include encapsulated or braided missile control cable, thermocouple harness, fuel cell, ground cabling, high temperature, and flat conductor cable.

CAPACITORS

Count on Bendix High Temperature Capacitors for premium performance on missile and high-speed aircraft applications. Proved operation from −55°C. to +400°C. with no voltage derating and low capacitance variation.

CONNECTORS

Can you use the finest electrical connectors in the business? Then try ours. Wide range of sizes and types available, including Pygmy® Miniature, Rack and Panel, QWL, and MS-R, and connectors for special applications.

For fast service on Cables, Capacitors, and Connectors, contact:

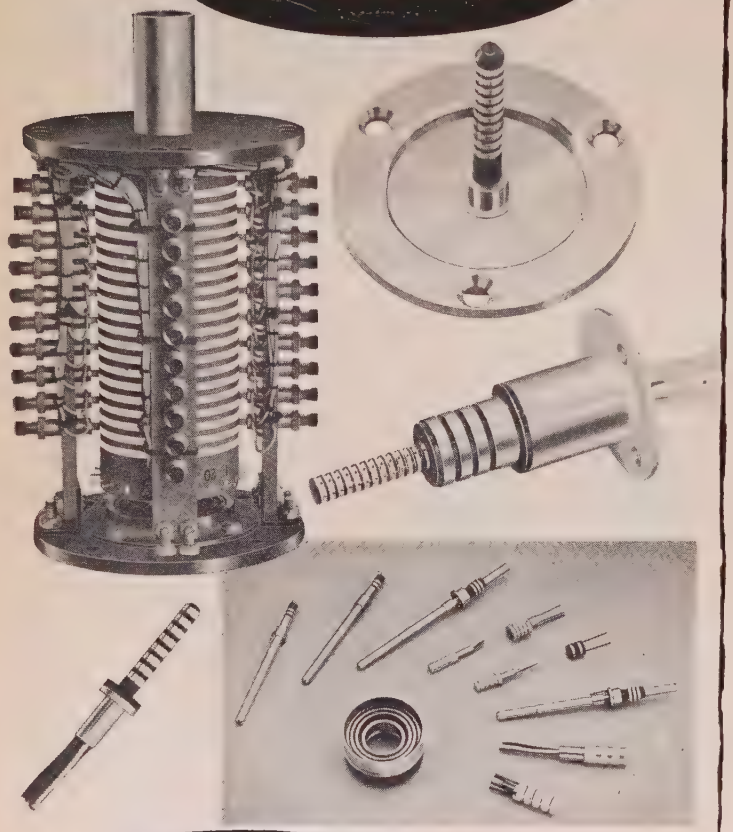
Scintilla Division
SIDNEY, NEW YORK

THE Bendix CORPORATION

Airflyte ELECTRONICS CO.

Shown here are just a few examples of our products. We invite your inquiry on the development and production to your specifications. Avail yourself of our engineering facilities to carry-through from design . . . to prototype . . . to mass production. Hundreds of stock molds eliminate tooling in most cases.

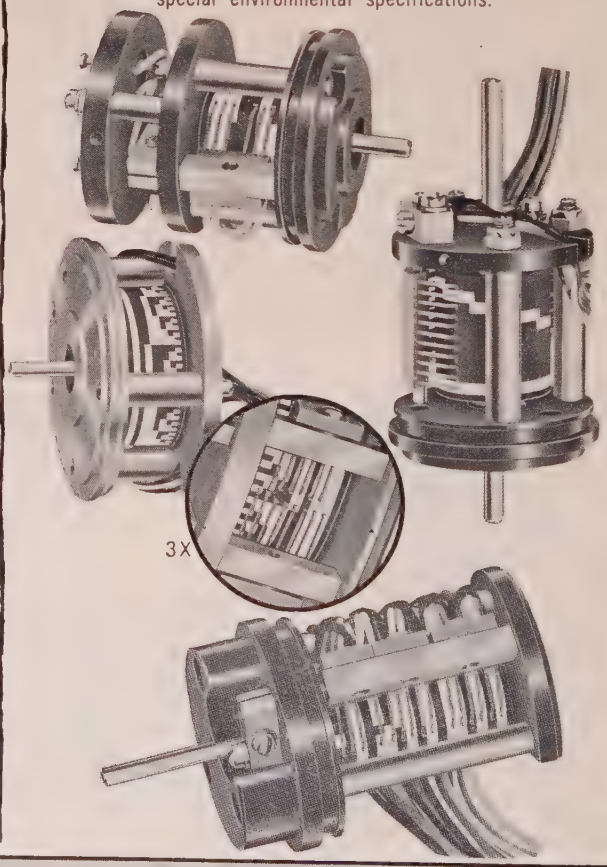
SLIP RING ASSEMBLIES



COMMUTATING SWITCHES

HIGH SPEED ROTARY SWITCHES FOR TELEMETERING, SAMPLING, PROGRAMING AND ANALOG-DIGITAL CONVERSION.

Airflyte's production facilities are geared to produce standard and non-standard commutators at "off-the-shelf" prices. Featuring noise-free performance through the use of solid gold alloy commutating surfaces . . . and exclusive drum construction for maximum life, uniform wear and close angular tolerance. We will supply packaged units (as illustrated) or component commutators and/or brush blocks. All products designed to meet MIL-E 5272 and MIL-E 5400 and other special environmental specifications.



BRUSH BLOCK ASSEMBLIES

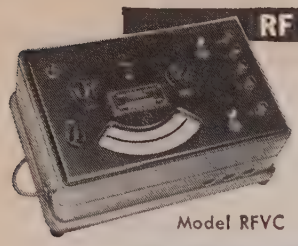
Airflyte ELECTRONICS CO.

537 AVENUE A
BAYONNE
NEW JERSEY

Write for literature and prices.

NEW INSTRUMENTS *by Sensitive Research*

RF VOLTMETER CALIBRATOR

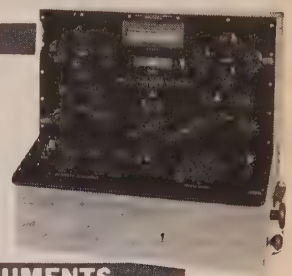


Model RFVC

Model RFVC — Radio Frequency Self Checking RMS voltmeter for the certification of VTVM's from DC to 10 Mc. Accuracy .3% of full scale ± .2% frequency influence. Ranges .01/.1/1/3 V. Checks its own accuracy against a .05% stable internal standard source.

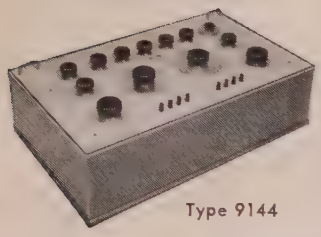
CALIBRATION CONSOLES

Model LTC — AC-DC/DC. Accuracy .05% of actual reading. Ranges .5 V. to 1111 V.; 1 Ma (2 Ma on AC) to 11.11 amps. Resolution .01%. Frequency range DC to 25 KC. Direct % Error Readout. Model LT-PS — AC power supply to full capabilities of console. Harmonic distortion less than .1%. Other consoles available.



Model LTC

DC POTENTIOMETERS

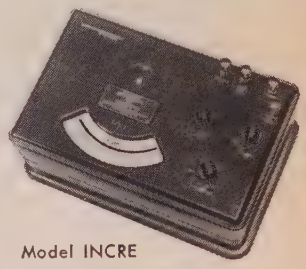


Type 9144

A new line of 6 figure instruments guaranteed 10X more accurate than any potentiometer commercially available today, having a subdivision of 1 part in 10^6 of the 1 volt setting and calibrated to be usable to an accuracy of ± .0002% or better. Absolute accuracy guaranteed to ± .001% nominal or better. Resolution excellent for comparison of saturated standard cells. Temperature controlled. High sensitivity Galvanometer, 4 terminal NBS Type resistors, ratio boxes and other primary standards available.

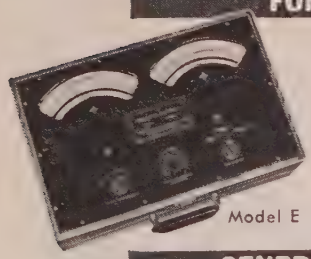
EXPANDED SCALE INSTRUMENTS

Model INCRE — Differential incremeter. A NEW .05% f.s. accurate expanded scale DC standard for rack panel mounting or portable use. Combines the high comparison accuracy of the differential instrument with a .005% stable source. Scale has an effective length of 63″ or 70″, and a resolution of 1000 divisions. Each 10% of any range is expanded over the instrument's actual 6.3″ or 7″ scale length. Direct reading. No balancing or nulling. Single or multi-range combinations from 200 ua. to 30 amps. and 200 mv. to 1 kv.



Model INCRE

FORM FACTOR INSTRUMENT

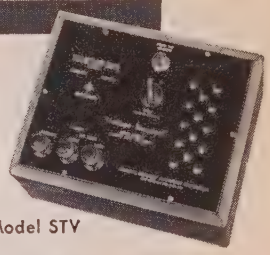


Model E

Model E — supplies a direct reading correction factor for instruments affected by non-sinusoidal wave form deviation. Indicates ratio of true RMS values to average, positive peak, and negative peak values. Determines the true RMS values of average and peak reading instruments that are used on a distorted wave. Accuracy: .2% between 25-500 cps.

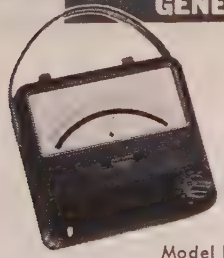
DC VOLTAGE STANDARDS

Model STV — Nominal output 1.0000 V. and 1.0185 V. Accuracy ± .01%. Actual output certified within ± .001% and guaranteed stable within ± .005%. 115 V. 60 cps input. Unaffected by extremes of temperature, short circuiting, and vibration. Replaces the standard cell. OEM types available.



Model STV

GENERAL PURPOSE PORTABLES



Model N

Model N—economically priced, stable and rugged .5% accurate DC current and voltage instrument. Long 6.1″ scale. Employs a shielded "U" shaped magnet and not the common center core type characteristic of instruments in its price range. Model NP is for panel mounting. Model NSI is an AC version. All have molded bakelite cases and are available switch controlled.

AUTOMATIC OVERLOAD PROTECTION

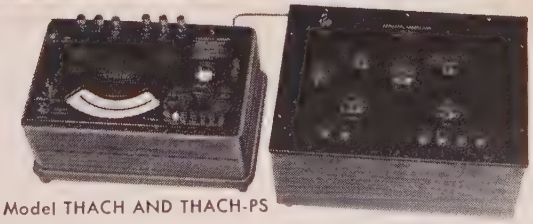
Model 2 AP — AC-DC Polyranger. Thermocouple type. Automatically protected for overloads of at least 5000%. Accuracy: .75%. Ranges from 2 ma. to 1 amp. and 2 V. to 500 V. Sensitivity: 500 ohms/V. Diamond Pivoted. Other Polyrangers with as many as 88 ranges available.

Model 2AP

Primary and secondary standards for the accurate measurement or certification of AC-DC current, voltage, power, power factor, frequency and magnetic quantities. All electrical indicating instruments have hand-drawn mirrored scales and most are Diamond Pivoted, of course!

Not illustrated above, but available, are a complete line of portable and panel types including: • **Wattmeters** • **Electrostatic Voltmeters** • **Peak Voltmeters** • **Thermocouple Instruments** • **Differentials** • **Ratiometers** • **Corrosion Instruments** • **Panel Instruments** • **Test Sets** • **Fluxmeters and accessories such as Shunts and Multipliers.** All SRIC instruments have their certification directly traceable to the National Bureau of Standards and are unconditionally guaranteed.

AC-DC LABORATORY STANDARD AND POWER SUPPLY



Model THACH AND THACH-PS

Model THACH — AC/DC Self Checking Volt-Amp Milliammeter. Accuracy ± .2% f.s. to 4 kc. Ranges — 10/20/50/100/200/500 ma.; 1/2/5 Amps; 1/2/5/10/20/50/100/200/500/1000 V. f.s. Checks its own accuracy against an internal standard cell. Model THACH-PS — special regulated THACH Power Supply (optional) automatically shuts off power to the THACH when switching ranges, reducing possibility of accidental overloads. Output is DC or 60 cps. (50-2500 cps. can be plugged in). Combination serves as a calibrator, measuring instrument, and general purpose power supply.

NEW ROCHELLE, N.Y.

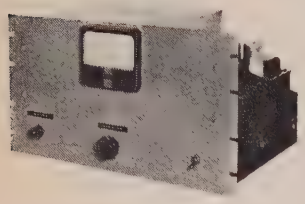
ELECTRICAL INSTRUMENTS OF PRECISION SINCE 1927

Symbol of Quality

SENSITIVE RESEARCH INSTRUMENT CORPORATION

HIGH VOLTAGE

RF TYPE DC POWER SUPPLIES



MODEL 2040

40 KV
DC POWER SUPPLY

A ruggedly built RF type power supply which is in constant use in laboratories and industrial plants throughout the world for condenser changing, electrostatic paint spraying and insulation testing, electrostatic flocking, etc. In wide use for spot knocking by TV tube manufacturers. Designed for constant use and will stand severe abuse. Available with either positive or negative 40 KV output. Voltage range is approx. 12 to 40 KV. The 12 to 40 KV variance in voltage is controlled through a knob on the front panel. If desired, automatic overload cutout relay and reset button may be installed at slight additional charge. **Current output:** 1 ma. at 30KV Input: 117V—60 cycles. Voltage supplied through a 6 ft. HV Safety Cable. Specify desired polarity when ordering. 19" wide x 10½" high x 13" deep.

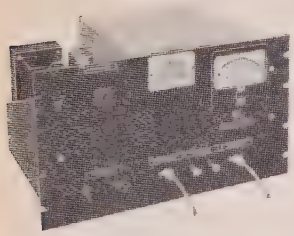
$165.00 Net

With HV meter installed in front panel..... **$50 additional**

MODEL MF DC POWER SUPPLY FOR ELECTROSTATIC FLOCKING

An exclusive Spellman development of modulating high voltage to electrodes for high speed flocking.

WRITE STATING YOUR REQUIREMENTS



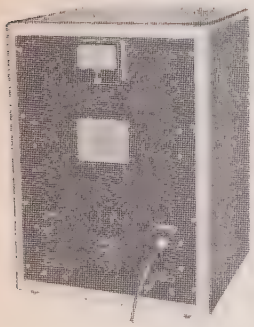
MODEL PN-30

REVERSIBLE POLARITY CONTINUOUSLY VARIABLE 1-30 KV UNREGULATED DC POWER SUPPLY

A light, compact unit in wide use for insulation testing, precipitators and laboratory research. Polarity reversible from front panel. Current output—2 milliamperes at 20 KV; 5 ma. at 30 KV. Input—117V AC 60 cycles. Dimensions 19" x 12¼" x 13".

$205 Net

With HV meter installed on front panel $50 additional



MODEL LAB-90

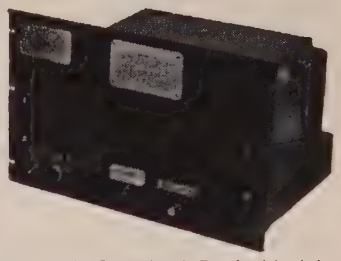
0-90 KV REGULATED DC POWER SUPPLY

Continuously variable 0 to 90 KV DC Power Supply. Output current .7 ma. at 90 KV; 1 ma. at 80 KV. 2 ma. from 40 KV down. Voltage regulation better than 1% throughout entire range. Dimensions in cabinet: 28" high x 21¾" wide x 18" deep.

LAB-90 Complete with HV meter $900 Net

Specify polarity output—positive or negative

MODEL LAB-30PN



• REVERSIBLE POLARITY—Continuously Variable 1 to 30 KV

Regulated DC Power Supply with regulations of 0.5% at 1 milliampere. Although rated at 1 ma. this unit is capable of 2 ma. operation with regulation specifications. Polarity reversible from front panel. Standard Rack Model—19" wide x 12" high x 13" deep. Standard Bench Model—21" wide x 14" high x 15" deep.

With HV Meter $645 Net—Less Meter $595 Net

MODEL LAB-30 is a positive polarity output regulated High Voltage DC Power Supply with same electrical characteristics and dimensions as the LAB-30PN. Available in either positive or negative polarity

With Meter $545 Net—Less Meter $495 Net

MODEL RG-30

Continuously Variable 15-30 KV Regulated DC Power Supply With Regulated Focus Voltage Tap

A continuous duty DC supply with highly filtered outputs and regulations better than .5% at 1 ma.—no load to full load. A variable focus tap 4-6 KV for use with 5WP11, 5TP4 and flying spot tubes. Dimensions: 19" wide x 10½" high x 13" deep.

$325 Net

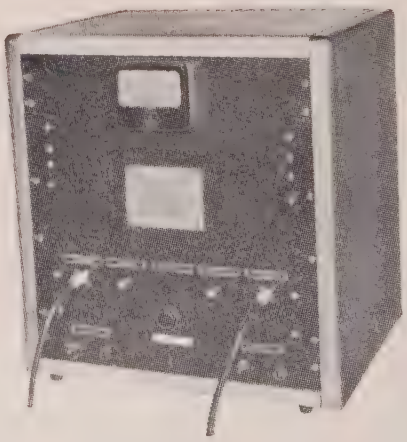
With HV meter installed on front panel .....$50 additional

MODEL RG-40 is a 20-40 KV unit with focus tap designed for use with 5AZP4 projection tube. In wide use in projection television systems. Same specifications as RG-30 except .7 ma. at 40 KV..... **$325 Net**

With meter installed on front panel.....$50 additional

Model LAB-60PN

Reversible Polarity Continuously Variable 0-60KV DC Regulated Power Supply



Current output 1 ma. at 60 KV 2 ma. may be drawn from 50 KV down. Regulations — no load to full load 1% at 1 ma. Dimensions in cabinet: 22¾" h. x 21" w. x 18" d.

LAB-60PN—reversible polarity—positive or negative output controlled through switch on front panel..... **$820 Net**

LAB-60—Same as above not reversible. Specify polarity when ordering ..... **$765 Net**

SPELLMAN HIGH VOLTAGE CO.
FORMERLY SPELLMAN TELEVISION CO., INC.

3029 WEBSTER AVE.
BRONX, 67, N. Y.
Kingsbridge 7-0306

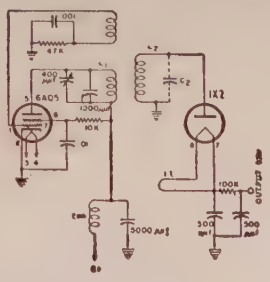
HIGH VOLTAGE

STEP-UP COILS for POWER SUPPLIES

COIL MODEL 5 KV

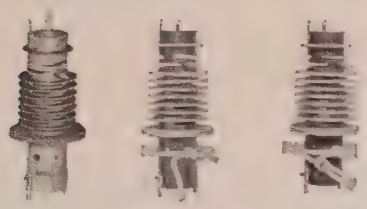
Secondary Height .....3½"
Secondary Windings .....1¾"
Consisting of 4 Pie Windings
Primary Diameter .....2¼"
Secondary Voltage Output...5KV
Secondary Current 2 Milliamperes
Approx Frequency .....300 KC

5 KV COIL complete with filament winding .....**$7.00 Net**



250 V. 50 ma

COIL MODEL 10-15 KV | **COIL MODEL 10-15 KV-1** | **COIL MODEL 10-15 KV-2**

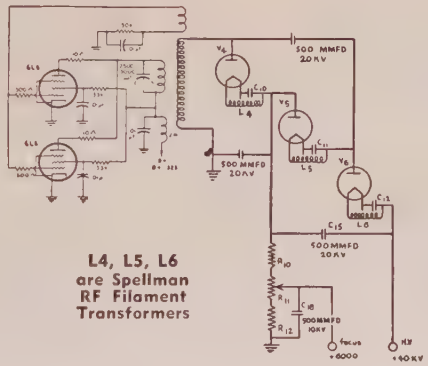


Secondary Height .....5¼"
Secondary Windings .....1¾"
Consisting of 7 Pie Windings
Diameter .....2½"
Secondary Voltage Output 10-15KV
Secondary Current 2 Milliamperes
Approx. Frequency .....175 KC

10-15 KV COIL .....**$12.00 Net**

10-15 KV-1 COIL with filament winding for single 1B3 rectifier **$12.50 Net**

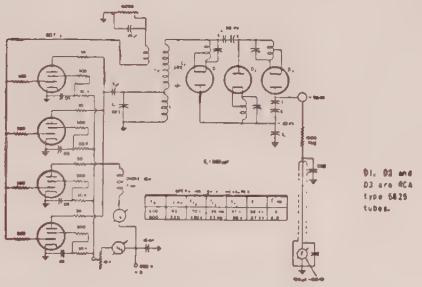
10-15 KV-2 COIL with 2 filament windings for two 1B3 rectifiers **$13.00 Net**



L4, L5, L6 are Spellman RF Filament Transformers

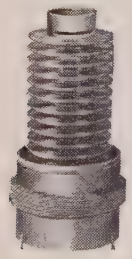
COIL MODEL 35 KV

Secondary Height .....7"
Secondary Windings .....3" dia.
Consisting of 10 Pie Windings
Primary. (Separate from secondary)
Height .....4"
Diameter .....4¼"
Secondary Voltage Output..35 KV
Secondary Current .5 Milliamperes



Approx. Frequency .....70 KC
35 KV .....**$42.00 Net**

25KV—Same as 35 KV except
Secondary Height .....6"
$36.00 Net

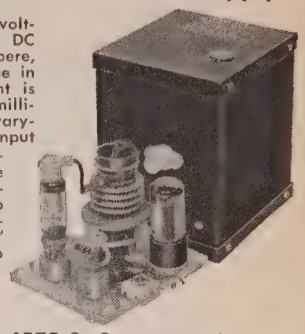


COIL MODEL 70 KV

Secondary Height .....10"
Secondary Windings .....4" dia.
Consisting of 12 Pie Windings
Primary (separate from secondary)
Height .....4"
Diameter .....5"
Secondary Voltage Output..70 KV
Secondary Current .5 Milliamperes
Approx. Frequency .....70 KC
$75.00 Net

MODEL 4575
5 KV—1 ma. DC Power Supply

For an output voltage of 5 KV DC at 1 milliampere, the low voltage input requirement is 250 V at 50 milliamperes. By varying the DC input the output voltage can be varied from approx. 1 KV to 7½ KV. Dimensions: 5⅝" high x 5" deep x 4¼" wide. $32.50 Net

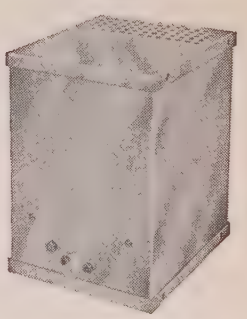


MODEL 4575-2 Same as above with 2 ma. output at 5 KV. **$42.50 Net**

MODEL 4575PN—Reversible polarity. High voltage secondary floating or can be grounded. 1 ma. at 5 KV .....**$42.50 Net**

MODEL 4575-2PN—Reversible polarity. 2 ma. at 5 KV **$52.50 Net**

MODEL 7512
12 KV—1 ma. DC Power Supply



Voltage output of approx. 7.5 to 12 KV. 1 ma. of current may be drawn throughout the voltage range. To obtain an output voltage of 7.5 KV at 1 ma., low voltage input requirement is 300 V DC at 50 ma. By varying the DC input, the output voltage can be increased. Maximum input voltage of 425 V at 100 ma. will give an output of 12 KV at 1 ma. 5¾" W., 8¼" H., 6¾" D. **$42.50 Net**

MODEL 7516—Same as above with output of 16 KV at .5 ma. **$48.50**

RF FILAMENT TRANSFORMERS

A self-resonant auto transformer for use with type 1B3 Rectifier tube. Will operate with Spellman HV coils, supplied with instructions. **$1.50**

TUNING PADDER for Filament Transformer **0.58**

SPELLMAN HIGH VOLTAGE CO.
FORMERLY SPELLMAN TELEVISION CO., INC.
3029 WEBSTER AVE.
BRONX, 67, N. Y.
Kingsbridge 7-0306

THE VICTOREEN INSTRUMENT COMPANY

5806 HOUGH AVENUE • CLEVELAND 3, OHIO

GLASS-SEALED DEPOSITED CARBON RESISTORS

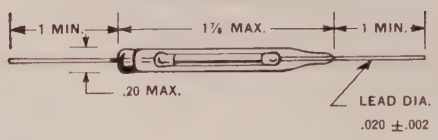
DIMENSIONS

RESISTOR DATA CHART

TYPE	RESISTANCE	TOLERANCE	VOLTAGE COEF. % / V	TEMP. COEF. % / °C	MAX. W.V.	WATTAGE	MAX. TEMP C	DIMENSIONS A (MAX)	B (MAX)	C (MIN)
RX2	1 Meg to 50 Meg	1,2,5,10,20 Note 1	—.0002	—0.08	3000	1	125	2	.413	1½
RX3	1 Meg to 200 Meg	1,2,5,10,20 Note 2	—.0002	—0.08	10,000	3	125	3 1/16	.413	1½
RX4	200 ohm to 50 Meg	1,2,5	—.0002	—0.05	800	5	200	2	.413	1½
RX5	200 ohm to 200 Meg	1,2,5 Note 3	—.0002	—0.05	2000	10	200	3¼	.413	1½
RX8	100 ohm to 10 Meg	1,2,5	—.0002	—0.05	750	2	200	1½	.240	1⅜

NOTE: 1: 1% and 2% tolerance available only below 20 meg.
2: 1%, 2% and 5% tolerance available only below 100 meg.
3: 1% and 2% tolerance available only below 100 meg.

HI-MEG RESISTORS



GLASS SEAL: HI-MEGS are vacuum sealed in a glass envelope which is treated with a special silicone varnish which keeps the resistor relatively free from the effects of moisture.

RESISTANCE: HI-MEG resistors are available in values from 10^8 to 10^{14} ohms.

TOLERANCE: HI-MEG resistors can be supplied in the following tolerances: 1% below 10^{12} ohms, 2% and 5% below 10^{13} ohms, and 10% over the entire range.

MAXIMUM WORKING VOLTAGE: 1000 volts.

MAXIMUM OPERATING AMBIENT TEMPERATURE: 100°C.

POWER RATING: The power rating for any HI-MEG resistor is equal to one divided by the resistance in megohms.

Weston experience in precise instrumentation is yours for the asking.

Call for the prompt, efficient service of our sales-engineering specialists in your area . . . they are backed by the Weston Engineering Staff . . . leaders in research and development in all measurement problems.

DAYSTROM, INCORPORATED
WESTON INSTRUMENTS DIVISION
World leader in measurement and control

DISTRICT OFFICES

ALBANY.....5 Herbert Drive, Latham, N. Y.—STate 5-5161
BOSTON.....66 Central St., Wellesley 81—CEdar 5-4300
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CEDAR RAPIDS.....213 Higley Building—EMpire 3-9304
CHICAGO 6.....205 W. Wacker Dr.—FRanklin 2-4656
CINCINNATI 37.....7613 Reading Road—VAlley 1-9105
CLEVELAND 28.....3951 Lee Road—SKyline 2-3030
DAYTON 2.....11 W. Monument Ave.—BAldwin 2-8164
DETROIT 21.....16607 James Couzens Highway—DIamond 1-2121
HARRISBURG.....1511 North Front St.—CEdar 8-4276
HOUSTON 27.....3405 Mercer—JAckson 6-4115
KNOXVILLE 21.....2917 Sanderson Rd.—KNoxville 5-5632
LOS ANGELES 7.....2001 South Grand Ave.—RIchmond 9-2361
MILWAUKEE 3.....617 No. 2nd St.—BRoadway 2-1538
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NEW YORK 7.....50 Church St.—WOrth 4-3510
PHILADELPHIA 4.....101 N. 33rd St.—BAring 2-6458—6443—6444
ROCHESTER 4.....207 Burke Building, 5 Saint Paul St.—BAker 5-9546
SAN DIEGO.....4455 Miramar Rd., LaJolla, Calif.—GLencourt 4-0421
SAN FRANCISCO 3.....147 10th St.—UNderhill 3-4250
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UNION, N. J. (Newark).....Route 22 & Caldwell Ave.—MUrdock 8-2020
WASHINGTON 4, D. C...429 Pennsylvania Building, 425 13th Street, N. W.—District 7-3636

REPRESENTATIVES

AMARILLO—Butler and Land.....1505 W. Tenth St. DRake 6-5255
ATLANTA 18 E. A. Thornwell, Inc...1537 Howell Mill Road. N.W.—TRinity 5-7895
BALTIMORE—Thomas H. Closs..21 W. Pennsylvania Ave., Towson 4, Md.—VAlley 5-4445
CHARLOTTE 2, N. C.—Ranson, Wallace & Company.....116½ E. 4th St.—EDison 4-4244
DALLAS 5—Butler and Land.....5538 Dyer St.—EMerson 1-6631
DENVER 16—Peterson Company, Inc....4949 Colorado Blvd.—DExter 3-5434
JACKSON—Curtis H. Stout, Inc.....706 Electric Bldg.—Fleetwood 4-4326
JACKSONVILLE—Ward Engineering Co., Inc.....2727 Phyllis St.—EVergreen 8-7656
KANSAS CITY—C. B. Fall Co..11201 Longview Road, Hickman Mills 34, Mo.—SOuth 1-6545
LITTLE ROCK—Curtis H. Stout, Inc....400 Shall St., P. O. Box 107—FRanklin 4-8201
MEMPHIS—Curtis H. Stout, Inc.....718 M & M Bldg.—JAckson 6-7601
MIDDLETOWN, CONN.—Dittman & Greer, Inc.....So. Main St. Extension—DIamond 6-9606
MINNEAPOLIS 3—Pinkney & Hine.....1925 Nicollet Ave.—FEderal 8-0523
ORLANDO—Ward Engineering Co., Inc.....1015 W. Central Ave.—GArden 2-4295, 3-9721
PHOENIX—J. E. Redmond Supply Co..625 W. Madison St., P. O. Drawer 869—ALpine 4-8471
PITTSBURGH 22—Russell F. Clark Co.....1409 Clark Bldg.—ATlantic 1-8089, 1-8090
RICHMOND 26, VA.—Ranson, Wallace & Co.....P. O. Box 8762, West Hampton Station—ATlantic 8-8758
SHREVEPORT—Curtis H. Stout, Inc.....409 Fairfield Bldg.—SHreveport 5-5485
ST. LOUIS 1—C. B. Fall Co...317 N. 11th St., Suite 1001—CHestnut 1-2433
TULSA 1—Riddle and Hubbell Company.....302 S. Cheyenne Ave., P. O. Box 727—LUther 5-5624

FREQUENCY COUNTERS

Frequency:
10 cps to 10 MC basic counter
10 cps to 500 MC with plug-ins

Period:
0.01 cps to 100 KC

Total Events:
1 to 99,999,999

Time Interval:
1 μs to 10,000,000 secs

Connections:
Printer

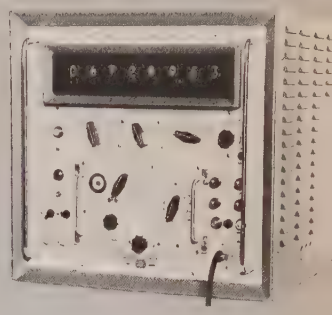
Dimensions:
Rack — 19 x 17 15/32 x 16
Bench — 19½ x 18½ x 18¾

Weight:
95 pounds

Standard Oscillator:
1 part 10^6 short time
2 parts 10^6 per week
Model 14-20A $1,700.00

• • •

High Stability Oscillator:
3 parts 10^9 per minute period
1 part 10^8 per day
5 parts 10^8 per week
Model 14-20AT $2,000.00
Nixie Readout — Model suffix "N"
$280.00 additional



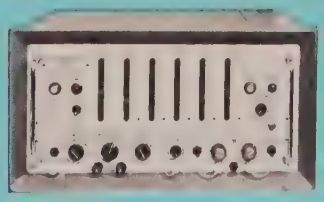
Model 14-20AN (Nixie Readout) with Frequency Converter 14-21

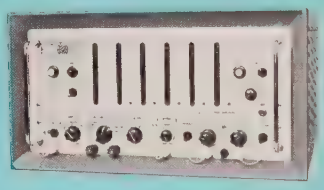
PLUG-INS FOR 14-20 SERIES COUNTERS

	Frequency Converter	Frequency Converter	Frequency Converter	Video Amplifier	Time Interval	Period Multiplier
Range	10 MC to 100 MC (10 cps to 10 MC as amplifier)	100 MC to 220 MC	10 MC to 500 MC	10 cps to 10 MC	1 μs to 10,000,000 secs	0 to 100 KC
Sensitivity in Volts	0.01 rms as converter 0.1 rms as amplifier	0.2 rms	0.2 rms	0.01 rms	1 peak	1 rms
Input Impedance	50 ohms as converter 1 megohm shunted (40 mmf $\mu\mu$f as amplifier)	50 ohms approx	50 ohms approx		1 megohm 40 $\mu\mu$f shunt	1 megohm 40 $\mu\mu$f shunt
Accuracy	Same as basic counter	Same as basic counter	Same as basic counter		± 1 count for μsec duration; oscillator stability for long duration	Direct 0.3%; 10,000 period average, 0.00003%
Model	14–21	14–22	14–26	14–23	14–24	14–25
Price	$250.00	$250.00	$595.00	$150.00	$175.00	$225.00

NORTHEASTERN ENGINEERING, INC.
MANCHESTER, NEW HAMPSHIRE

FREQUENCY COUNTERS

120 KC COUNTERS	 Model 13-10	Model 13-11N
Frequency	10 cps to 120 KC	10 cps to 120 KC
Time Interval	10 μs to 100,000 secs	None
Standard Oscillator 1 part 10^6 short time 2 parts 10^6 per week	MODEL 13–10 $795.00	MODEL 13–11 $695.00
High Stability Oscillator 3 parts 10^9 per one minute period 1 part 10^8 per day 5 parts 10^8 per week	MODEL 13–10T $1,095.00	MODEL 13–11T $995.00

1.2 MC COUNTERS	 Model 13-20	Model 13-21N
Frequency	10 cps to 1.2 MC	10 cps to 1.2 MC
Time Interval	1 μs to 100,000 secs	None
Standard Oscillator 1 part 10^6 short time 2 parts 10^6 per week	MODEL 13–20 $995.00	MODEL 13–21 $895.00
High Stability Oscillator 3 parts 10^9 per one minute period 1 part 10^8 per day 5 parts 10^8 per week	MODEL 13–20T $1,295.00	MODEL 13–21T $1,195.00

Period: 0 to 50 KC

Total Events: 1 to 999,999

Connections: Printer and Scope

Dimensions: Rack — 19 x 8¾ x 15½ deep
Bench — 20¾ x 10¼ x 16½ deep

Weight: 50 pounds

Nixie Readout — Model suffix "N" $210.00 additional

Prices and Specifications subject to change without notice.

TEL: NAtional 2-6485
P.O. Box 150

NORTHEASTERN

COUNTER ACCESSORIES, READOUTS, FREQUENCY STANDARDS, DECADES, LAB CARTS

DIGITAL PRINTER

MODEL 14-27 $875.00 All Electronic Matrix 8 digit capacity

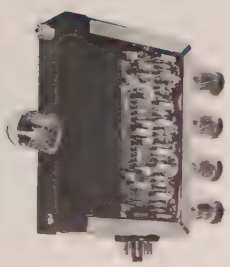
Print Rate:	1.5 lines per second	**Power:**	115 V AC, 100 VA
Drive Source:	1-2-2-4 binary	**Dimensions:**	17 x 17 x 7 high
Print Signal:	Minus 15 volts	**Mounting:**	Rack or Bench

FREQUENCY CALIBRATOR

MODEL 14-31 $770.00

Dimensions:	6¾ x 5¼ x 17
Weight:	13 pounds
Output Frequency:	100 KC sine wave
Stability:	±3 parts 10^9 per one minute period at 25 degrees C ±1 part 10^8 per day or less ±5 parts 10^8 per week
Output Level:	0.2 V rms
Input Power:	115 V, 60 cps, ±10 V

DECADE PLUG-IN COUNTERS Series 140 and 120



MODELS 140-40N and 140-100N

	140-40*	140-100*	140-1100*	120-100 Preset
Max Count KC/sec	40	120	1200	120
Resolution μsec	8	4	0.5	4
Voltage Driving (Pulse)	−50	−70	−20	−70
Voltage Output (Pulse)	−100	−100	−75	−100
Power vac/amps vdc/ma	6.3/1.2 300/9	6.3/1.2 300/14	6.3/1.2 300/47	6.3/1.5 300/17
Mounting	Octal	Octal/11 pin	Octal/11 pin	Octal

*Add "N" for Nixie Model Prices on Request

SCOPE, COUNTER, TEST CHARTS

Model	20–1	20–2	20–3	20–4
Use	Any bench mounting	Counters, Plug-ins	Rack Mounts and Bench Mounts	Scopes — Slant Top
Dimensions **Weight**	23 x 23 x 36.5 85#	23 x 23 x 36.5 95#	23 x 23 x 36.5 90#	19 x 26 x 36 80#
Price	$49.50	$64.50	$54.50	$49.50

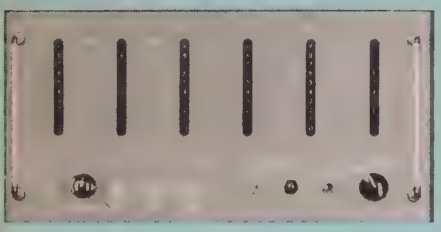
Notes: Optional — 2 Brakes — $6.50 extra per cart. Standard finish — light gray enamel MIL-E-15090B. Handles and hardware — brass, nickel plate. Shipped — knocked down.

ENGINEERING, INC.

25 SOUTH BEDFORD STREET
MANCHESTER, NEW HAMPSHIRE

CONTINUOUS TIME INTERVAL METERS AND DIGITAL DATA RECORDING SYSTEMS FOR TESTING INERTIAL GYROS, ACCELEROMETERS AND SIMILAR DEVICES

MODEL 70-1 TIMER



This timer has many applications other than that of testing inertial gyros, for which it was originally designed. Due to an electronic storage, it measures *continuous* time intervals. The count in storage is read out or printed out, while the interval is being measured.

When used in gyro testing, the timer measures elapsed time between pulses generated by the rate table. Both increments and continuous intervals are measured and the output is either time increment or incremental merus (milli earth rate units). This "timer with a memory" measures continuous time intervals to the nearest 0.001 seconds. When properly triggered, the decade counters transfer their count to storage, automatically re-set, and continue to count in less than 1 milli-second. The count held in storage is printed or punched on tape or card.

Internal crystal oscillators generate either a 10.00000 KC standard frequency or a 10.02738 KC sidereal. Six digits can be printed. Maximum time interval with standard time base is 999.999 seconds. Output is 1-2-2-4 code, 0-90 V level.

MODEL 70-2 TIME AVERAGING UNIT

The time averaging unit averages out eccentricities present in test tables. It electronically averages output of two pick-ups such as photocells on the M.I.T. Type "D" tables.

The Model 70-2 has one input for each of the two pulse sources. It has two outputs: one presents a trigger pulse to the timer only after the second trigger pulse is received by the unit. The second output presents a variable frequency to the timer as a variable time base.

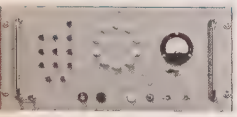
A self check feature checks the internal gating. Indicator lights show the proper sequence of operation.

MODEL 70-3 TABLE ANGLE INDICATOR

In measuring drift rate of inertial gyros, table angle corresponding to rate data must be known. This information is furnished by: Nixie readout, and printed or punched readout adjacent to the corresponding time or meru data.

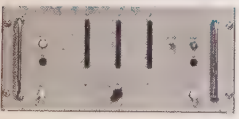
The Model 70-3 may be used with 10 degree, 1 degree, 0.1 degree or 10 minute data. It may be used to trigger the 70-1 timer to give a times 10 degree average by stepping the 70-3 directly with the table pulse generator.

MODEL 70-4 KEYBOARD CONTROL PANEL



The control panel is used with the tape punch output and contains the metering, switching and indicators for the system. It also contains a manual keyboard for punching such information on the tape as gyro number, temperature, table number, revolution number, etc.

MODEL 70-5 GYRO DECELERATION UNIT



The 70-5 records data for plotting curves of deceleration versus speed. Any number of runs may be recorded on one tape. Gyros with rundown times of 5 minutes or more can be plotted up to 60 points. Miniature gyros with rundown time of 30 seconds or less may be plotted up to 15 points.

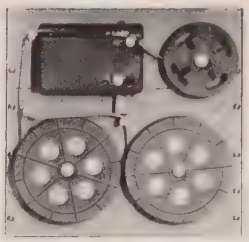
Data may be processed in the computer and curves plotted by a point plotter; or may be reduced and plotted manually. Determination of friction, windage and pre-load are obtained.

MODEL 70-6 PRINTER

This specially designed unit embodies a code converter with up to 4 input pulses and 1 output pulse to utilize the binary code output of the decade scalers. The matrix is solid state.

Direct reading may be in meru (milli earth rate units). The associated error is less than 0.1% between ±10 meru.

MODEL 70-7 TAPE PUNCH



The tape punch readout punches two tapes simultaneously so that one tape can be processed at any time during the run, while the other tape will contain information for more than one run.

The tape punch data may be reduced in the computer to provide: fourier coefficients; gyro unbalance; residuals for each unbalance point; RMS gyro drift rate, etc.

MODEL 80-1 TIMER

The 80 Series test equipment was designed to utilize the Farrand inductosyn, driven by the rotating test table.

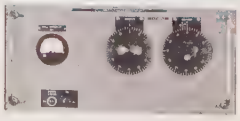
The 80-1 timer measures *continuous* time intervals to ±1 μsec. Due to the time interval required for the particular printer readout used, the minimum time interval is 0.3 seconds so therefore, any greater interval is measured to an accuracy of ±1 μsec.

Timer can selectively be triggered by positive or negative pulses. It contains its own 100 KC time base or can be driven from an external standard. It has an attenuator on the input and a 1 sec and 10 sec self check. Output is binary coded decimal. Seven place readout is visible from front panel for reading self check as well as for viewing operation.

MODEL 80-2 PRESET COUNTER

The inductosyn signal is fed to the preset counter. This special counter is designed to give pulses at zero cross-over of the inductosyn signal. These pulses are fed through a series of dividers and then through the output of the preset counter. Divisions are selectable from a front panel control. The 80-2 is calibrated for the following degrees per readout: 2, 10, 18, 20, 90, 360, 720. Front panel indicators visually show input pulses and output pulses.

MODEL 80-3 TILT ANGLE INDICATOR UNIT



The tilt angle indicator Model 80-3 allows the setting of a precise angle of the test table with the inductosyn. Angles can be repeated to within 0.25 second of arc.

The unit contains excitation equipment for the inductosyns. Tilt angle readout, including a precision gear train, vernier reading dials, and a null indicator are integral.

NORTHEASTERN ENGINEERING, INC.
MANCHESTER, NEW HAMPSHIRE

Catalog No. 6
Printed in U.S.

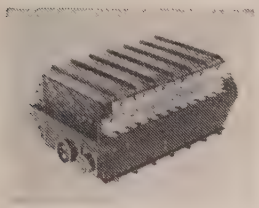
VARO

Research & Development

MICROWAVE POWER & MICROCIRCUITRY

MANUFACTURING

Precision Power
Generation • Control
Measurement • Conversion



STATIC INVERTERS

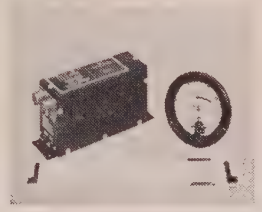
Airborne 400 cycles power. Designs from 15 VA up to 2000 VA. Model shown is 3-phase, 2000 VA; frequency 400 cps plus/minus 0.1%; voltage 115-v, 3-phase, Y — with short circuit protection.

GROUND SUPPORT SYSTEMS

Laboratory accuracy for missile checkout, automatic tracking and switching and other applications. Model shown is a 10KW MG set, accurate to plus/minus 0.001% at 400 cps. Frequency variable from 375 to 420 cps. Can be controlled remotely. Output voltage 115-v, plus/minus 0.1%, 3-phase delta or wye, 400 cps plus/minus 0.001%.

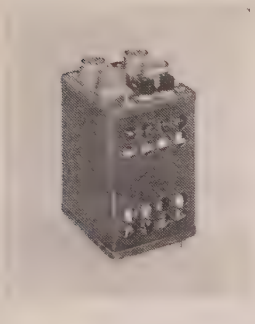
ELECTRONIC TACHOMETERS

Completely transistorized units providing speed monitoring and protection. Accuracy of plus/minus 3% over a range from zero to 60,000 rpm.



400 CPS FREQUENCY METERS

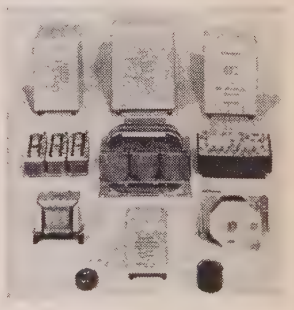
Designed for any application requiring precision 400 cps frequency monitoring. Model shown is completely transistorized; immediate warmup; 0.05% accuracy at 400 cps; 0.1% accuracy over entire scale. A single AC input supplies both meter power and the signal to be measured.



AC TO DC, DC TO DC CONVERTERS

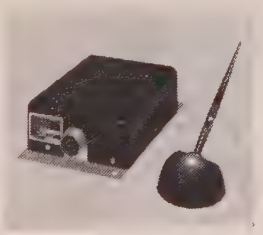
Telemetering supply; silicon semi-conductors; magamp regulated; multiple outputs. Model shown produces multiple DC and AC outputs from 115-v, 3-phase 400 cycle input to power airborne telemetering systems. Secondaries of the 3-phase transformer supply voltages to 2 regulated rectifier circuits that provide outputs of 12.6-v at 15 amps and 150-v at 225 milliamps; a 3rd secondary provides 6.3 VAC at 1 amp.

POWER TRANSFORMERS
AUDIO TRANSFORMERS
REACTORS
FILTERS
SATURABLE REACTORS
MAGNETIC AMPLIFIERS



FREQUENCY CONTROLS

Designed as a precise regulator for rotating equipment. Extreme ruggedness and reliability attained by potting individual sections of the controls. Model shown designed to regulate a mechanical transmission. Output is 60-0-60 MADC to 1000 OHM balanced load; accuracy 400 cps plus/minus 0.1%. Frequency regulation maintained at 400 cps plus/minus 0.1% under all environmental and steady state conditions in all designs.



DEMODULATORS — MODULATORS

Electronic demodulator shown provides DC voltage directly proportional to both amplitude and phase difference between signal input and reference input. Has silicon diodes; hermetically sealed; plug-in or solder connections; linearity within plus/minus 1% of straight line from zero to 10-v rms signal input with 25-v rms reference; input (signal and reference frequency 400 cps, load impedance 100-K). Weighs only 2-oz.

FREQUENCY STANDARDS

Designed for use as precision frequency standards, ideal for use in electronic systems where size and weight must be held to absolute minimum. Temperature compensated using a bi-metal construction of carbon steel and a special "elinvar" alloy. Frequency generators 50 to 4000 cps. Rugged design ideal for use in satellites, ballistic missiles, other airborne and ground applications.

FREQUENCY SENSITIVE RELAYS

Model shown is an electronic overspeed sensor with overspeed protection; silicon transistors; plus/minus 1% accuracy. Operation: 12.8 KC and above. Output: DC input voltage (25-30-v) is applied through 5 amp relay contacts when in overspeed condition. Weighs only 5-oz.

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MICROWAVE
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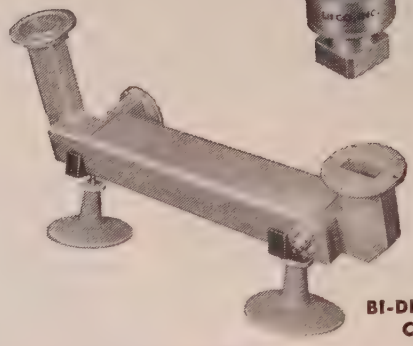
WAVEGUIDE ASSEMBLIES

WAVEGUIDE SWITCH ASSEMBLY

SUBMARINE ANTENNA FOR THE 1000 TO 4000 MC RANGE

SECTOR SCAN ROTARY JOINTS



BI-DIRECTIONAL COUPLER

PHASE SHIFTER

MICROWAVE TEST EQUIPMENT

WAVEGUIDE NOMENCLATURE	EIA WR-( )		2100	1800	1500	1150	975	770	650	430	284	187	137	112	90	62	42	28	22	15	12
	A-N RG-( )/U			201	202	203	204	205	69 103	104 105	48 75	49 95	50 106	51 68	52 67	91	53	96⊕	97⊕	98⊕	99⊕
FREQUENCY kmc/s	LOWER			0 425	0 490	0.640	0.750	0 950	1 120	1 170	2 600	3 950	5 850	7 050	8 200	12 40	18 00	26 50	33 00	50 00	60 00
	UPPER			0 620	0.740	0.960	1.150	1.500	1.170	2.600	3 950	5 850	8 200	10 00	12.40	18 00	26 50	40 00	50.00	75 00	90 00
WAVEGUIDE TUBING	BRASS W-( )								69	104	48	49	50	51	52	91	53	96⊕	97⊕	98⊕	99⊕
	ALUM. W-( )		2100	201	202	203	204	205	103	105	75	95	106	68	67						
WAVE-GUIDE FLANGE	COVER	BRASS F-( )							417A	435A	53	149A	344	51	39	419	595	599	383	385	387
		ALUM. F-( )							418A	437A	584	407	441	138	135	419AL	597	599AL			
	CHOKE	BRASS F-( )									54B	148C	343B	52B	40B	541A	596A	600A			
		ALUM. F-( )									585A	406B	440B	137B	136B	541AL	598A	600AL			
"O" RING GASKET											G-54	G-148	G-343	G-52	G-40	G-541	G-596	G-600	G-383	G-385	G-387
ADAPTER WAVEGUIDE TO—	TYPE N		30W1	30V1	30U1	30T1	30S1	30R1	30A1	30B1	30E1	30F1	30G1	30H1	30J1						
	RIGID COAX										30E1A	30F1A	30G1A								
											30E1B	30F1B	30G1B								
DIRECTIONAL COUPLER	CROSS-GUIDE	20 db									22E2A*	22F2A*	22G2A*	22H2A*	22J2A*	22K2A*	22L2A*	22M2A*			
		20 db									22E2B*	22F2B*	22G2B*	22H2B*	22J2B*	22K2B*	22L2B*	22M2B*			
		40 db									22E4C	22F4C	22G4C	22H4C	22J4C	22K4C	22L4C	22M4C			
	BRANCH GUIDE	10 db									23E1A	23F1A	23G1A	23H1A	23J1A	23K1A	23L1A	23M1A			
		20 db									23E2B	23F2B	23G2B	23H2B	23J2B	23K2B	23L2B	23M2B			
	HIGH DIRECTIVITY	20 db	24W2A	24V2A							24E2A	24F2A	24G2A	24H2A	24J2A						
		40 db									24E4B	24F4B	24G4B	24H4B	24J4B						
WAVEGUIDE BEND 90°	E PLANE		5W1	5V1	5U1	5T1	5S1	5R1	5A1	5B1	5E1	5F1	5G1	5H1	5J1	5K1	5L1	5M1	5N1	5P1	5Q1
	H PLANE		6W1	6V1	6U1	6T1	6S1	6R1	6A1	6B1	6E1	6F1	6G1	6H1	6J1	6K1	6L1	6M1	6N1	6P1	6Q1
WAVEGUIDE TWIST 90°											4E1	4F1	4G1	4H1	4J1	4K1	4L1	4M1	4N1	4P1	4Q1
WAVE-GUIDE TEE	SERIES, E PLANE		7W1	7V1	7U1	7T1	7S1	7R1	7A1	7B1	7E1	7F1	7G1	7H1	7J1	7K1	7L1	7M1	7N1	7P1	7Q1
	SHUNT, H PLANE		8W1	8V1	8U1	8T1	8S1	8R1	8A1	8B1	8E1	8F1	8G1	8H1	8J1	8K1	8L1	8M1	8N1	8P1	8Q1
	HYBRID, E-H PLANE		15W1	15V1	15U1	15T1	15S1	15R1	15A1	15B1	15E1	15F1	15G1	15H1	15J1	15K1	15L1	15M1	15N1	15P1	15Q1
ATTENUATOR VARIABLE	FLAP		9W1	9V1	9U1	9T1	9S1	9R1	9A1	9B1	9E1	9F1	9G1	9H1	9J1	9K1	9L1	9M1	9N1	9P1	9Q1
	PRECISION										10E1	10F1	10G1	10H1	10J1	10K1	10L1	10M1	10N1	10P1	10Q1
ADJUSTABLE SHORT	STANDARD										13E1	13F1	13G1	13H1	13J1	13K1	13L1	13M1	13N1	13P1	13Q1
	MICROMETER															13K2	13L2	13M2	13N2	13P2	13Q2
TERMINA-TION	VERY LOW VSWR		16W1	16V1	16U1	16T1	16S1	16R1	16A1	16B1	16E1	16F1	16G1	16H1	16J1	16K1	16L1	16M1	16N1	16P1	16Q1
	LOW VSWR		17W1	17V1	17U1	17T1	17S1	17R1	17A1	17B1	17E1	17F1	17G1	17H1	17J1	17K1	17L1	17M1	17N1	17P1	17Q1
DUMMY LOAD HIGH POWER	AIR COOLED							19R1	19A1	19B1	19E1	19F1	19G1	19H1	19J1	19K1	19L1	19M1	19N1	19P1	19Q1
	WATER COOLED		20W1	20V1	20U1	20T1	20S1	20R1	20A1												
CRYSTAL MIXER	COAXIAL										25E1	25F1	25G1	25H1							
	WAVEGUIDE										14E1	14F1	14G1	14H1	14J1	14K1	14L1	14M1			
DETECTOR MOUNT TUNABLE	STANDARD										21E1	21F1	21G1	21H1	21J1	21K1	21L1	21M1	21N1	21P1	21Q1
	MICROMETER																21L2	21M2	21N2	21P2	21Q2
E-H TUNER	STANDARD DRIVE										26E1	26F1	26G1	26H1	26J1	26K1	26L1	26M1	26N1	26P1	26Q1
	MICROMETER DRIVE															26K2	26L2	26M2	26N2	26P2	26Q2
SECTOR SCAN ROTARY JOINT	90° Sector ±										27E1	27F1	27G1	27H1	27J1	27K1	27L1	27M1			
	SPECIAL						SECT	OR S	CAN	ROTA	RY JOIN	TS to yo	ur speci	fications	available	upon re	quest				
SPRING FINGER RF GASKET											MX1109	MX1110	MX1108	MX1111	MX1106	MX1107	MX1223				
WAVEGUIDE SWITCH											29E1			29H1				29M1			
FLEXIBLE WAVEGUIDE, FL-( )			2100	1800	1500	1150	975	770	650	430	284	187	137	112	90	62	42	28	22	15	12

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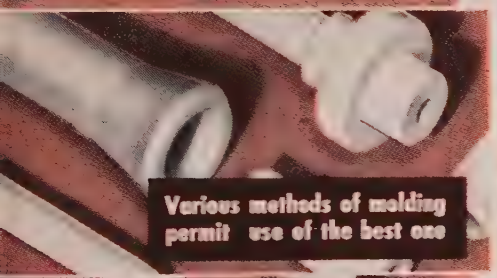
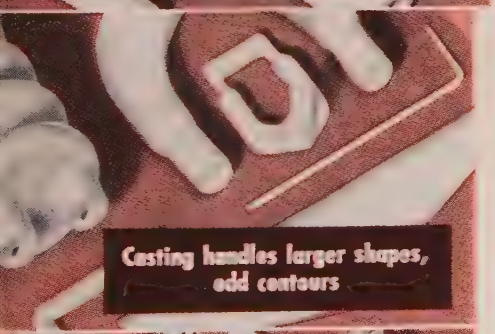
Property Chart Sent on Request.

Odd contours can be handled in specialized molding processes

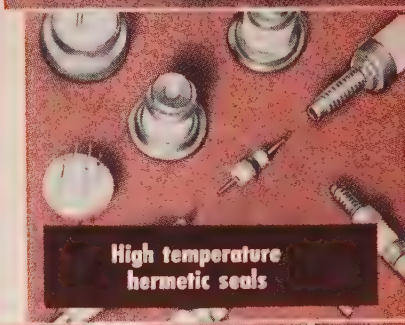


Various methods of molding permit use of the best one

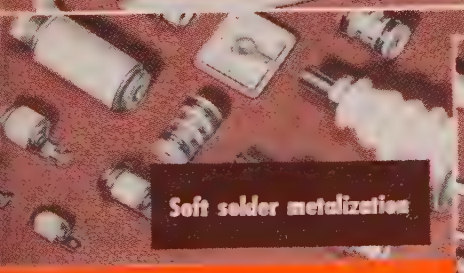
AlSiMag metal-ceramic assemblies



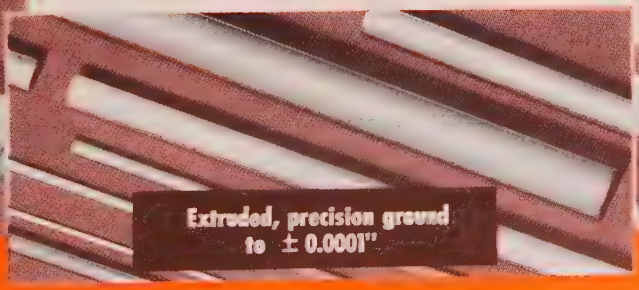
Casting handles larger shapes, odd contours



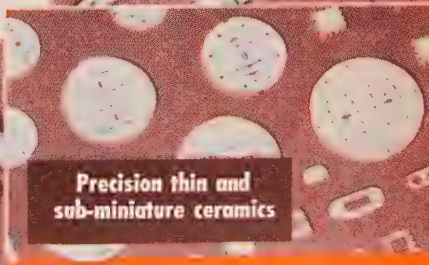
High temperature hermetic seals



Soft solder metalization



Extruded, precision ground to ± 0.0001"



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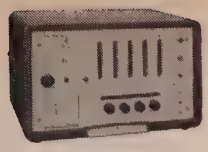
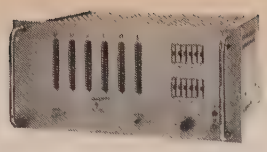
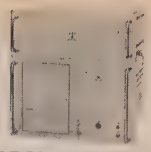


DY-2500 COMPUTING DIGITAL INDICATOR, variable gate time electronic counter permitting normalized direct reading with minimum controls, automatic setability. Measures frequency, period. Displays degrees/hr, gpm, RPM, etc.; also shows ratios of unlike variables. $1,330. One line readout, $1,505.

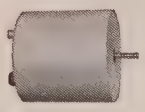


DY-2507 DUAL PRESET COUNTER, multi-purpose precision counter producing an output signal when either of two preset numbers is reached. Instrument is ideal for industrial control, sorting, packing, Go/No Go testing, control of coil winding, machine limits. $925 to $1,065.

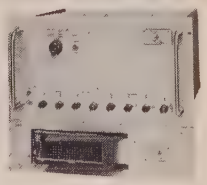


DY-2542 TAPE PUNCH SETS record data from electronic counters on punched tape. High speed—recording rate 60 characters/second. Standard model: 5-level output code, 11 character format. Available with internal tape punch ($4480) or for use with external punch ($3240). For lower rates (20 characters/second) DY-2540 Scanner/Coupler, transfers counter data to serial entry machines. DY-2540, $890.

DY-2210 VOLTAGE TO FREQUENCY CONVERTER AND INTEGRATOR provides precision dc voltage measurements and integration with electronic counters. Multiple input ranges, either polarity. Input 0 to 1 v produces 0 to 10,000 cps output. $650. AC and remote models available.

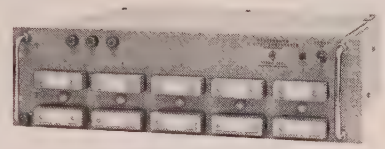


DY-2504A PHOTOELECTRIC TACHOMETER measures shaft speeds, revolutions, position from 0 to 10,000 RPM. Six models, offering 60, 100, 120, 180, 200 or 360 pulses/revolution. Other pulses/revolution available, 360 max. High resolution, low torque. $250.

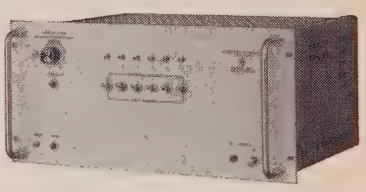


DY-2512 CARD PUNCH COUPLER permits direct entry of counter information onto punched cards, eliminating manual key punch. Operates unattended. Readily connects Dymec or -hp- counters to IBM 523 Summary Card Punch. $1,890.

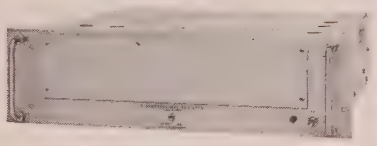
DY-2508A DIGITAL CLOCK continuously displays and provides parallel, multiple-contact closure, representing time-of-day in hours, minutes, seconds. 1-, 4- or 10-line code output. Inherent short time storage permits independent clock and recorder operation. $1,350 plus code wiring.



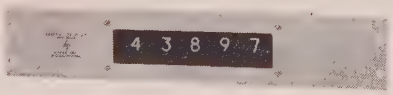
DY-2538 PROGRAMMED DIGITAL COMPARATOR. Unique, error-free comparison circuit, no drift or calibration; visual and electrical output; use with Go/No Go systems. Preset high and low tolerance limits selected electrically. Also manual-selection models. $950.



DY-2513A COUNTER SCANNER. Gathers multiple electronic counter data for printing on a single digital recorder. Simplifies simultaneous data measurements. For all Dymec or -hp- counters. $1,750.



DY-2530 BINARY/DECIMAL REGISTER. Universal output coupler connecting electronic counters to digital displays, comparators, printers, computers. Stores parallel binary-coded-decimal information in multi-contact relays. 10 models, dual or single output, 3 to 7 registers. $565 to $1,230.



DY-2533 DIGITAL DISPLAYS. Luminous, one-line indicator panels visually presenting multi-digit numeric data. Clear, high contrast, easy-to-read numerals. Five models, 3 to 7 digits. $140 to $300.

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DAvenport 6-1755

Data subject to change without notice. Prices f.o.b. factory.

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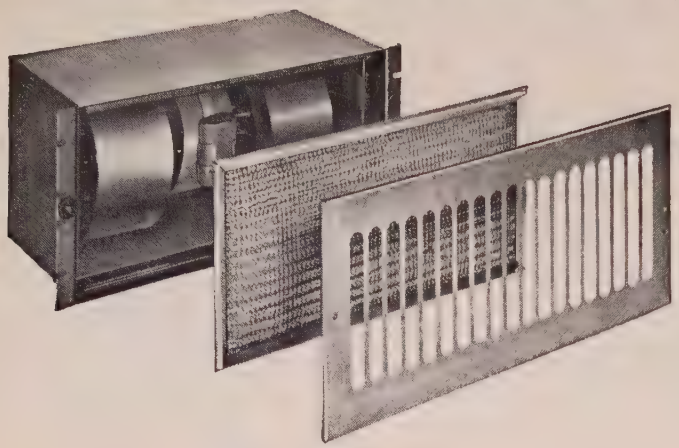
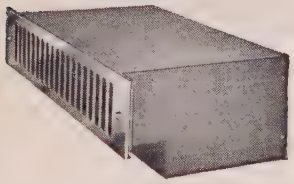


STANDARD RACK MOUNTED FANS & BLOWERS

Over 15 models available in panel heights of 3½" to 12¼" in increments of 1¾". Range, 80 to 1200 cfm. All units feature quiet operation, no electrical noise and maximum air delivery. Blower units provide better air delivery against pressure and higher velocity for faster cooling. Highly reliable, rubber mounted, 115 volts, 60 cycle motors. Also Mil. Spec. and DC motors available. Permanent filters. Smart, heavy gauge, stainless steel grilles.

RECESSED MODELS



Provide higher performance with minimum panel height. Filter and blower are recessed into the unused portion of the open base commercial type rack. Fit 3½", 5¼", 7", 8¾" and 10½" panel heights and deliver 150 cfm to 1200 cfm. Highly reliable, rubber mounted, 115 volts, 60 cycle motors. Mil. Spec. and DC motors available. Permanent filters.

REVERSIBLE FAN

Easy-to-install Filter Box Propeller Fan gives wide choice of cfm's and great mounting flexibility. Operates as blow or suck without rework. Compact, low-cost. Long, service-free life. Operates from various power sources.

HALF PANEL WIDTHS

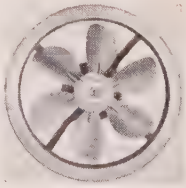
For narrow racks or where space is a problem. Fit half the width of standard 19" racks leaving balance of space for other components. Blower model (5¼" high) delivers 100 cfm. Fan model (7" high) delivers 225 cfm. Powered by highly reliable, rubber mounted, 115 volts, 60 cycle motors. Mil. Spec. and DC motors available. Permanent type filter.

HALF PANEL WIDTH FILTER-GRILLE ASSEMBLIES ALSO AVAILABLE

MIL. SPEC. BLOWERS

Meet most rigid specifications. Mount in any position. Deliver 10 cfm. Fit 3¾" cube. Continuous duty, totally enclosed motor, 1/300 hp. 115 volts, 60 cycle, 3400 rpm.

RING TYPE FANS



175 to 395 cfm. Fan diameters 6½" and 8". Motors totally enclosed, highly reliable, 115 volts, 60 cycle, 3000 rpm. Mil. Spec. and DC motors available. Other sizes available.

FREE! Engineering Booklet on Forced Air Cooling. Describes air convection methods. Includes design data, tables, charts, etc.

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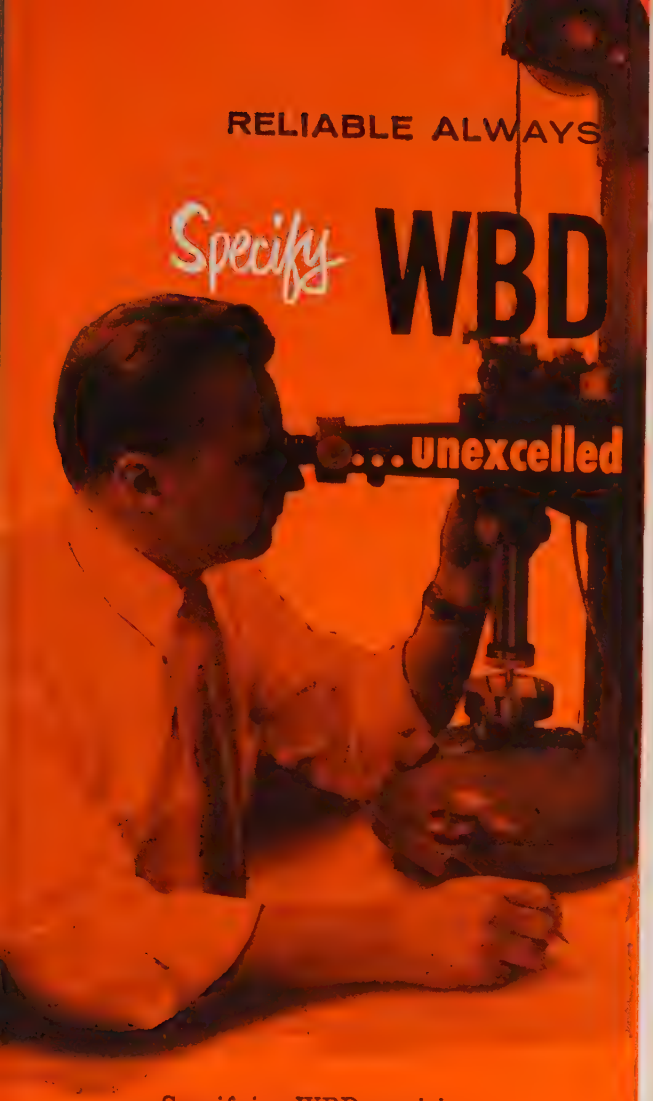

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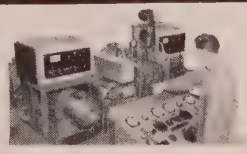

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Size Designation Frequency Band in KMC Waveguide Nomenclature	DBA 60-90 RG-99/U Cat. No.	DBB 50-75 RG-98/U Cat. No.	DBC 33-50 RG-97/U Cat. No.	DBD 26.5-40 RG-96/U Cat. No.	DBE 18-26.5 RG-53/U Cat. No.	DBF 12.4-18 RG-91/U Cat. No.	DBG 8.2-12.4 RG-52/U Cat. No.	DBH 7.05-10.0 RG-51/U Cat. No.	DBJ 5.85-8.2 RG-50/U Cat. No.	DBK 3.95-5.85 RG-49/U Cat. No.	DBL 2.6-3.95 RG-48/U Cat. No.
Tube Mounts											
Klystron Tube Mount							DBG-111-1	DBH-111-1	DBJ-111-1	DBK-111-1	DBL-111-1
Noise Tube Mount with Tube			DBC-140-T	DBD-140T	DBE-140-T	DBF-140-T	DBG-140-T	DBH-140T	DBJ-140-T	DBK-140-T	DBL-140-T
Transmission Line Components											
Adaptors, Choke to Cover				DBD-010	DBE-010	DBF-010	DBG-010	DBH-010	DBJ-010	DBK-010	DBL-010
Tapered Transitions	DBAL-018	DBBL-018	DBCE-018	DBDL-018	DBEG-018	DBFG-018	DBGH-018	DBHJ-018	DBJK-018	DBKL-018	DBCL-018
N to Waveguide Transformers						DBF-057	DBG-057	DBH-057	DBJ-057	DBK-057	DBL-057
*Straight Sections	DBA-210	DBB-210	DBC-210	DBD-210	DBE-210	DBF-210	DBG-210	DBH-210	DBJ-210	DBK-210	DBL-210
90° E-Plane Elbows	DBA-224	DBB-224	DBC-224	DBD-224	DBE-224	DBF-224	DBG-224	DBH-224	DBJ-224	DBK-224	DBL-224
90° H-Plane Elbows	DBA-234	DBB-234	DBC-234	DBD-234	DBE-234	DBF-234	DBG-234	DBH-234	DBJ-234	DBK-234	DBL-234
Rotating Joints 90-90				DBD-266-1	DBE-266-1	DBF-266-1	DBG-266-1	DBH-266-1	DBJ-266-1	DBK-266-1	DBL-266-1
Rotating Joints 90-Col				DBD-266-2	DBE-266-2	DBF-266-2	DBG-266-2	DBH-266-2	DBJ-266-2	DBK-266-2	DBL-266-2
Rotating Joints Col.-90				DBD-266-3	DBE-266-3	DBF-266-3	DBG-266-3	DBH-266-3	DBJ-266-3	DBK-266-3	DBL-266-3
Rotating Joints Col.-Col				DBD-266-4	DBE-266-4	DBF-266-4	DBG-266-4	DBH-266-4	DBJ-266-4	DBK-266-4	DBL-266-4
90° Twisted Sections	DBA-274	DBB-274	DBC-274	DBD-274	DBE-274	DBF-274	DBG-274	DBH-274	DBJ-274	DBK-274	DBL-274
Bulkhead Flanges	DBA-275	DBB-275	DBC-275	DBD-275	DBE-275	DBF-275	DBG-275	DBH-275	DBJ-275	DBK-275	DBL-275
Bulkhead Flanges with Seals	DBA-275-1	DBB-275-1	DBC-275-1	DBD-275-1	DBE-275-1	DBF-275-1	DBG-275-1				
Pressurizing Units	DBA-276	DBB-276	DBC-276	DBD-276	DBE-276	DBF-276	DBG-276	DBH-276	DBJ-276	DBK-276	DBL-276
Crystal Mounts & Multipliers											
Crystal Mounts	DBA-310	DBB-310	DBC-310	DBD-310	DBE-310	DBF-310	DBG-310	DBH-310	DBJ-310	DBK-310	DBL-310
Crystal Mounts, Movable Short	DBA-313	DBB-313	DBC-313	DBD-313	DBE-313	DBF-313	DBG-313	DBH-313	DBJ-313		
Tunable Crystal Mounts	DBA-319	DBB-319	DBC-319	DBD-319	DBE-319	DBF-319	DBG-319	DBH-319	DBJ-319	DBK-319	DBL-319
Crystal Multipliers		DBBW-350	DBCA-350	DBDB-350	DBEC-350	DBFC-350	DBGE-350	DBHF-350	DBJF-350	DBKG-350	DBLJ-350
Power Absorbing Units											
Precision Attenuators	DBA-410	DBB-410	DBC-410	DBD-410	DBE-410	DBF-410	DBG-410	DBH-410	DBJ-410	DBK-410	DBL-410
Variable Attenuators, Calibrated	DBA-430-1	DBB-430-1	DBC-430-1	DBD-430-1	DBE-430-1						
Variable Attenuators	DBA-430	DBB-430	DBC-430	DBD-430	DBE-430	DBF-430	DBG-430	DBH-430	DBJ-430	DBK-430	DBL-430
Fixed Attenuators	DBA-440A	DBB-440A	DBC-440A	DBD-440A	DBE-440A	DBF-440A	DBG-440A	DBH-440A	DBJ-440A	DBK-440A	DBL-440A
Low Power Terminations	DBA-450	DBB-450	DBC-450	DBD-450	DBE-450	DBF-450	DBG-450	DBH-450	DBJ-450	DBK-450	DBL-450
Movable Low Power Terminations	DBA-456A	DBB-456A	DBC-456A	DBD-456A	DBE-456A	DBF-456A	DBG-456A	DBH-456A	DBJ-456A	DBK-456A	DBL-456A
Movable Term. with Extension	DBA-456	DBB-456	DBC-456	DBD-456	DBE-456	DBF-456	DBG-456	DBH-456	DBJ-456	DBK-456	DBL-456
Movable Term. with Ext. & Vernier	DBA-456-1	DBB-456-1	DBC-456-1	DBD-456-1	DBE-456-1	DBF-456-1	DBG-456-1	DBH-456-1	DBJ-456-1	DBK-456-1	DBL-456-1
Tunable Low Power Terminations	DBA-459	DBB-459	DBC-459	DBD-459	DBE-459	DBF-459	DBG-459	DBH-459	DBJ-459	DBK-459	DBL-459
High Power Terminations	DBA-460	DBB-460	DBC-460	DBD-460	DBE-460	DBF-460	DBG-460	DBH-460	DBJ-460	DBK-460	DBL-460
Horns											
Pickup Horns	DBA-510	DBB-510	DBC-510	DBD-510	DBE-510	DBF-510	DBG-510	DBH-510	DBJ-510	DBK-510	DBL-510
Standard Gain Horns, 15 DB	DBA-520	DBB-520	DBC-520	DBD-520	DBE-520	DBF-520	DBG-520	DBH-520	DBJ-520	DBK-520	DBL-520
Standard Gain Horns, 20 DB	DBA-520	DBB-520	DBC-520	DBD-520	DBE-520	DBF-520	DBG-520	DBH-520	DBJ-520	DBK-520	DBL-520
Tees, Junctions and Mixers											
E-Plane Tees	DBA-610	DBB-610	DBC-610	DBD-610	DBE-610	DBF-610	DBG-610	DBH-610	DBJ-610	DBK-610	DBL-610
Waveguide Switches, 2 Way	DBA-616	DBB-616	DBC-616	DBD-616	DBE-616	DBF-616	DBG-616	DBH-616	DBJ-616	DBK-616	DBL-616
Waveguide Switches, 4 Way	DBA-617	DBB-617	DBC-617	DBD-617	DBE-617	DBF-617	DBG-617	DBH-617	DBJ-617	DBK-617	DBL-617
H-Plane Tees	DBA-620	DBB-620	DBC-620	DBD-620	DBE-620	DBF-620	DBG-620	DBH-620	DBJ-620	DBK-620	DBL-620
Basic Directional Couplers	DBA-630	DBB-630	DBC-630	DBD-630	DBE-630	DBF-630	DBG-630	DBH-630	DBJ-630	DBK-630	DBL-630
Directional Couplers, Flg. to Term	DBA-631	DBB-631	DBC-631	DBD-631	DBE-631	DBF-631	DBG-631	DBH-631	DBJ-631	DBK-631	DBL-631
Directional Couplers, Coax. to Term						DBF-632	DBG-632	DBH-632	DBJ-632	DBK-632	DBL-632
Directional Couplers, Xtal. to Flg	DBA-633	DBB-633	DBC-633	DBD-633	DBE-633	DBF-633	DBG-633	DBH-633	DBJ-633	DBK-633	DBL-633
Directional Couplers, Xtal. to Term	DBA-634	DBB-634	DBC-634	DBD-634	DBE-634	DBF-634	DBG-634	DBH-634	DBJ-634	DBK-634	DBL-634
Magic Tees	DBA-650	DBB-650	DBC-650	DBD-650	DBE-650	DBF-650	DBG-650	DBH-650	DBJ-650	DBK-650	DBL-650
Balanced Crystal Mixers	DBA-665	DBB-665	DBC-665	DBD-665	DBE-665	DBF-665	DBG-665	DBH-665	DBJ-665	DBK-665	DBL-665
Frequency Meters											
Precision Cavity Wavemeters,											
Reaction Type	DBA-715-1	DBB-715-1	DBC-715-1	DBD-715-1	DBE-715-1	DBF-715-1	DBG-715-1	DBH-715-1	DBJ-715-1	DBK-715-1	DBL-715-1
Absorption Type	DBA-715-2	DBB-715-2	DBC-715-2	DBD-715-2	DBE-715-2	DBF-715-2	DBG-715-2	DBH-715-2	DBJ-715-2	DBK-715-2	DBL-715-2
Transmission Type	DBA-715-3	DBB-715-3	DBC-715-3	DBD-715-3	DBE-715-3	DBF-715-3	DBG-715-3	DBH-715-3	DBJ-715-3	DBK-715-3	DBL-715-3
Reference Cavity, Reaction Type	DBA-715-1A	DBB-715-1A	DBC-715-1A	DBD-715-1A	DBE-715-1A	DBF-715-1A	DBG-715-1A	DBH-715-1A	DBJ-715-1A	DBK-715-1A	DBL-715-1A
Reference Cavity, Absorption	DBA-715-2A	DBB-715-2A	DBC-715-2A	DBD-715-2A	DBE-715-2A	DBF-715-2A	DBG-715-2A	DBH-715-2A	DBJ-715-2A	DBK-715-2A	DBL-715-2A
Reference Cavity, Transmission	DBA-715-3A	DBB-715-3A	DBC-715-3A	DBD-715-3A	DBE-715-3A	DBF-715-3A	DBG-715-3A	DBH-715-3A	DBJ-715-3A	DBK-715-3A	DBL-715-3A
Impedance Meters											
Precision Standing Wave											
Detectors, Complete	DBA-825	DBB-825	DBC-825	DBD-825	DBE-825	DBF-825	DBG-825	DBH-825	DBJ-825		
Carriage Units Only	DBA-820	DBB-820	DBC-820	DBD-820	DBE-820	DBF-820	DBG-820	DBH-820	DBJ-820		
Waveguide Sections	DBA-821	DBB-821	DBC-821	DBD-821	DBE-821	DBF-821	DBG-821	DBH-821	DBJ-821		
Broadband Probes	DBA-822	DBB-822	DBC-822	DBD-822	DBE-822	DBF-822	DBG-822	DBH-822	DBJ-822		
Phase Shifters, Tuners & Shorts											
Phase Shifters	DBA-915	DBB-915	DBC-915	DBD-915	DBE-915	DBF-915	DBG-915	DBH-915	DBJ-915	DBK-915	DBL-915
Calibrated Phase Shifters	DBA-915-1	DBB-915-1	DBC-915-1	DBD-915-1	DBE-915-1	DBF-915-1	DBG-915-1	DBH-915-1	DBJ-915-1	DBK-915-1	DBL-915-1
Variable Stub Tuners	DBA-919	DBB-919	DBC-919	DBD-919	DBE-919	DBF-919	DBG-919	DBH-919	DBJ-919	DBK-919	DBL-919
Fixed Shorts	DBA-960	DBB-960	DBC-960	DBD-960	DBE-960	DBF-960	DBG-960	DBH-960	DBJ-960	DBK-960	DBL-960
Movable Shorts	DBA-969A	DBB-969A	DBC-969A	DBD-969A	DBE-969A	DBF-969A	DBG-969A	DBH-969A	DBJ-969A	DBK-969A	DBL-969A
Movable Shorts with Extension	DBA-969	DBB-969	DBC-969	DBD-969	DBE-969	DBF-969	DBG-969	DBH-969	DBJ-969	DBK-969	DBL-969
Movable Shorts with Ext. & Vernier	DBA-969-1	DBB-969-1	DBC-969-1	DBD-969-1	DBE-969-1	DBF-969-1	DBG-969-1	DBH-969-1	DBJ-969-1	DBK-969-1	DBL-969-1
E-H Plane Tuners	DBA-979	DBB-979	DBC-979	DBD-979	DBE-979	DBF-979	DBG-979	DBH-979	DBJ-979	DBK-979	DBL-979
E-H Plane Tuners with Vernier	DBA-979-1	DBB-979-1	DBC-979-1	DBD-979-1	DBE-979-1	DBF-979-1	DBG-979-1	DBH-979-1	DBJ-979-1	DBK-979-1	DBL-979-1
Accessories											
Standard Plain Flange	DBA-1000	DBB-1000	DBC-1000	DBD-1000	DBE-1000	DBF-1000	DBG-1000	DBH-1000	DBJ-1000	DBK-1000	DBL-1000
Standard Choke Flange				DBD-1001	DBE-1001	DBF-1001	DBG-1001	DBH-1001	DBJ-1001	DBK-1001	DBL-1001
Aluminum Plain Flange							DBG-1002				DBL-1002
Aluminum Choke Flange							DBG-1003				DBL-1003
Special Round Flange				DBD-1004	DBE-1004						
Screw Plain Flange					DBE-1005						
Screw Choke Flange					DBE-1006						
Adjustable Waveguide Supports, Ultramicrowave	DB-1010	DB-1010	DB-1010	DB-1010	DB-1010						
Adjustable Waveguide Supports Microwave						DB-1010-1	DB-1010-1	DB-1010-1	DB-1010-1	DB-1010-2	DB-1010-2
Waveguide Chassis Mounting Stands	DBA-1012	DBB-1012	DBC-1012	DBD-1012	DBE-1012	DBF-1012	DBG-1012	DBH-1012	DBJ-1012	DBK-1012	DBL-1012
Waveguide Fastening Screws, Pr.	DBA-1020	DBB-1020	DBC-1020	DBD-1020	DBE-1020	DBF-1020	DBG-1020	DBH-1020	DBJ-1020	DBK-1020	DBL-1020
Waveguide Window Seals	DBA-1100	DBB-1100	DBC-1100	DBD-1100	DBE-1100	DBF-1100	DBG-1100	DBH-1100			

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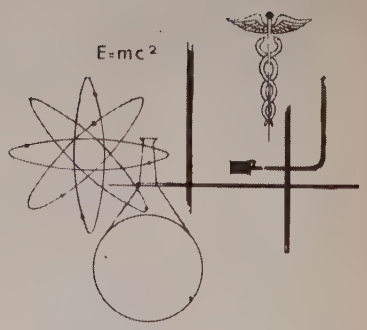

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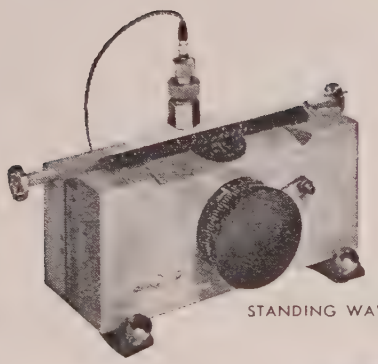
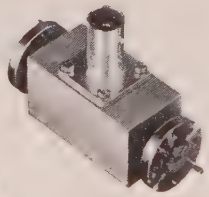
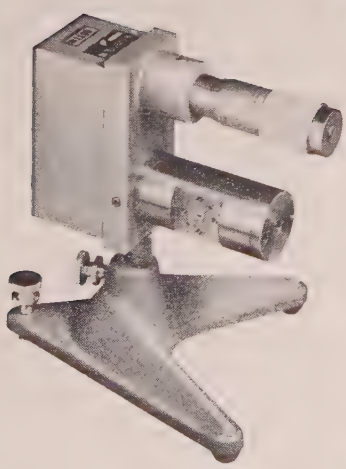


STANDING WAVE DETECTORS



CRYSTAL MOUNTS



CAVITY WAVEMETERS

E-H TUNERS

Recent advances in physical research have created an interest in the highest attainable microwave frequencies—an interest which requires the use of millimeter wave components and instruments beyond the scope of those currently available. Just as in 1954, when De Mornay-Bonardi was the first to offer commercially available instruments and components of A and B sizes (50-90 KMC), now for first time D-B offers instruments and components for the W size—90 to 140 KMC. These units truly represent a major breakthru in the microwave art, and can greatly enlarge your scope of microwave activity.

Request brochure on 140 KMC equipment.

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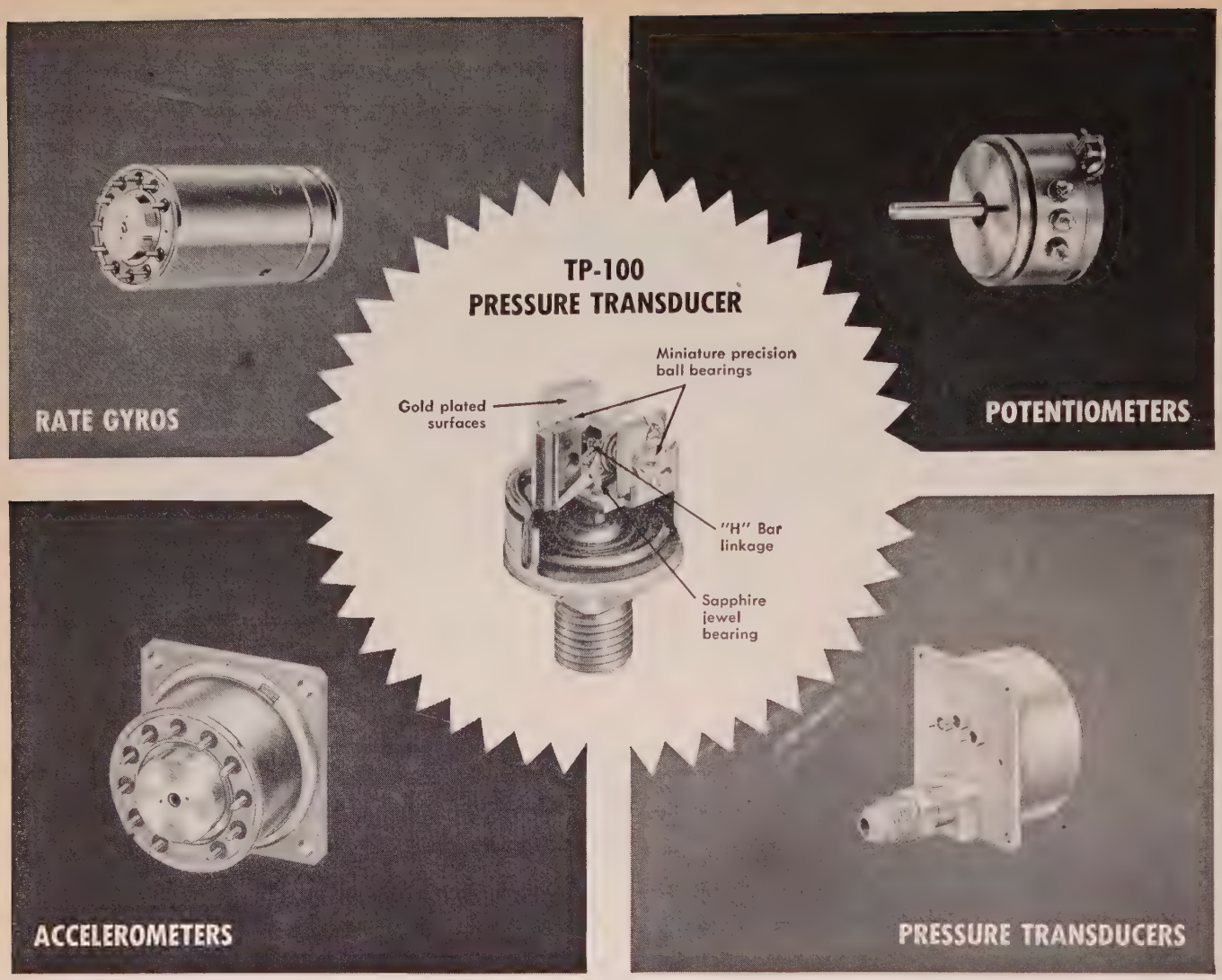
DE MORNAY BONARDI ®



FAIRCHILD PRECISION COMPONENTS

Designed, built and tested beyond specs

RATE GYROS—*Fairchild's Sub-Miniature Floated Rate Gyros* are the smallest ever made—15/16" x 1 5/8" long. They will withstand 150 G's of shock and 30 G's to 2000 cps vibration even at maximum rates as low as 5° per second. Exclusive self-test capabilities are designed in for remote checkout. Fully-controlled damping models are held within ± 15% of any percentage of critical over the temperature range of —40 to +200°F.

ACCELEROMETERS—*Fairchild's complete line of accelerometers* measure linear accelerations in the ± 1/4 to ± 50G range, with natural frequencies from 5 to 175 cps depending on G range. Many have self-test capabilities built in. Miniature accelerometers as small as 15/16" dia. x 7/8" long have a sensitive a.c. pick-off, withstand 150G shock and vibration at 20 G's from 50 to 2000 cps and have a 0.5% accuracy. Pot pick-offs are also available with linear or non-linear outputs.

POTENTIOMETERS—*Fairchild's High Reliability Potentiometers* can be had in 3/8" to 5" diameters, single and multi-turn, linear and non-linear, in standard and high temperature versions and with linearities as high as .009%.

PRESSURE TRANSDUCERS—*Fairchild's Precision Line of Pressure Transducers* include both bourdon tube and capsular diaphragm types for measuring pressures from 1 to 10,000 psi absolute, gauge, or differential. Also evacuated case version for absolute measurements of corrosive fuels. Standard units have pot pick-offs; a.c. type pick-offs available on special order. All designs withstand 2000 cps, 25G vibration and 50G shock.

For more information regarding Fairchild Precision Components call the nearest Fairchild office or write Fairchild Controls Corporation, Dept. 37E.

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COMPONENTS DIVISION
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A Subsidiary of Fairchild Camera and Instrument Corporation

GYROS
PRESSURE TRANSDUCERS
POTENTIOMETERS
ACCELEROMETERS

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CARRIER EQUIPMENT

- Trunk
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- Microwave
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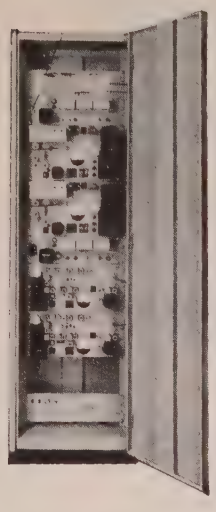
POINT-TO-POINT MULTIPLEX RADIO

- 2000 MC
- 960 MC
- 450 MC

RADIO PAGING TRANSMITTERS



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- Voice frequency
- Carrier Channel

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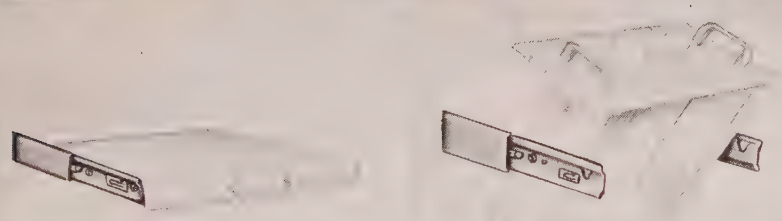
CHASSIS SLIDES

FOR RACK MOUNTED ELECTRONIC EQUIPMENT



Light duty — Heavy duty

BUILT TO Military Specification.
DESIGNED TO—Retma standard.
Mounts 17" chassis in 19" Panel Rack.
LENGTHS—10" — 24"
CAPACITIES—Light duty 75 lbs. Heavy duty 200 lbs.
MATERIAL—Aluminum—steel

TYPES—Solid or Roller Bearing Tilting or Non-Tilting
FINISH—High pressure, Dry lubricant—Molysulphide
TEMPERATURE RANGE—
—300°F to +600°F
ACCESSORIES—Desk top drawers, utility drawers, panel locking devices.

CHRISTMAN INDUSTRIES, INC.
PRECISION METAL FABRICATORS
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BROOKLYN 19, N. Y.
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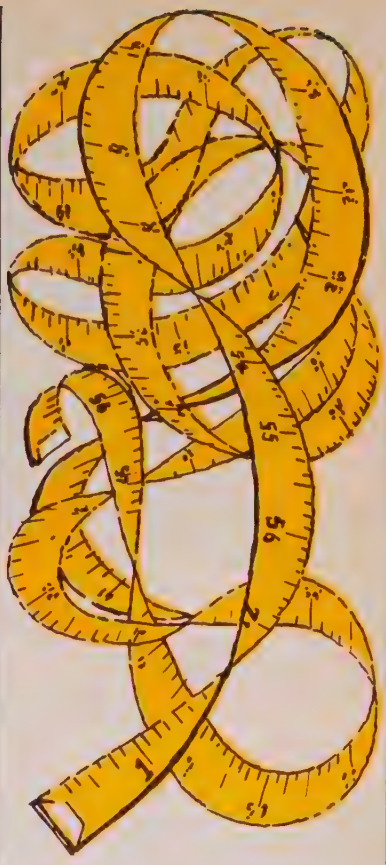
Write for additional engineering information, accessories hardware catalog, and prices.



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1000 + with over 1000 standard solenoid designs to choose from, and the largest engineering staff in this field . . . PSP can quote highly critical specifications literally by the yard.

State your problem: PSP engineers will select or modify standard models, and custom engineer units to solve your specific system or component problem.

Environmental, qualification, and production testing laboratory . . . parts fabrication shops . . . complete within PSP's facility—provide unequalled flexibility to meet stringent requirements.

SOLENOIDS AVAILABLE: DC Linear; 6 to 300 VDC, and AC 400 CPS Rectified Types to 4" diameter • Sub-Miniature Types • High Temperature Types to 1000°F • Cryogenic Types to —400°F • Pressurized Types to 10,000 psi • **DC Rotary Solenoids,** 6 to 300 VDC, sizes ¾" and larger; 0° to 60°, CW or CCW rotation. • Intermittent or continuous duty models, to MIL-S-4040C, MIL-E-5272 and MIL-E-5400 • Mounting and electrical connections to requirement • Other PSP products: Miniature Solenoid Operated Pneumatic Valves • Solenoid-Switch Assemblies.

Write for detailed information on specific requirements.

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- LOWER Construction Costs
- Up to 100% FINANCING of new construction.

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SAVE TIME and MONEY

Buy a Complete "PACKAGE" Assembly from

- Parts manufactured
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- Wiring & Assembly completed
- Internally and externally finished
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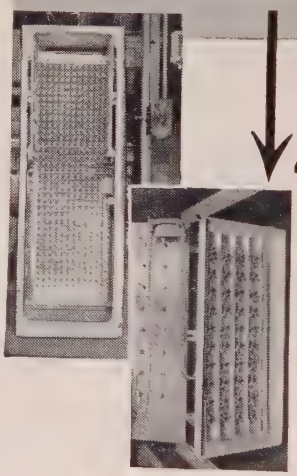
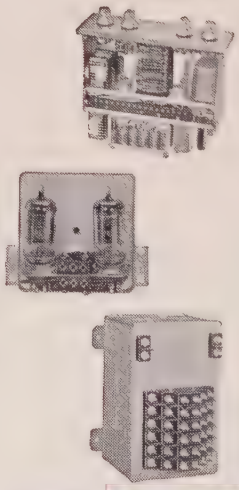
- Delivered to directed locations

ELECTRO-SEAL

• Electro-Seal service includes engineering and design when desired. Our customers include many outstanding leaders in the electrical and electronic field. Bring your special assembly or wiring problem to Electro-Seal. We may have already solved it—for somebody else. Save time—call or write TODAY.



Typical "PACKAGE" Assemblies by Electro-Seal



- Counting chains (fixed or sequential)
- Test and inspection sets
- Remote telemetering controls
- Carrier equipment
- Private telephone switchboards
- Control cabinets
- Electro-mechanical controls
- Special enclosures
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Electro-Seal Corporation
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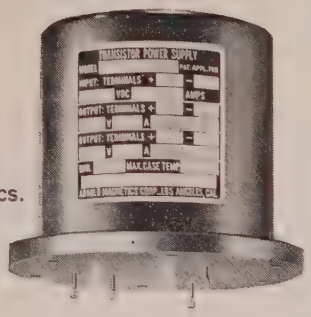
ARNOLD transistorized power supply

...a regulated lightweight inverter, built to aircraft and missile specs.

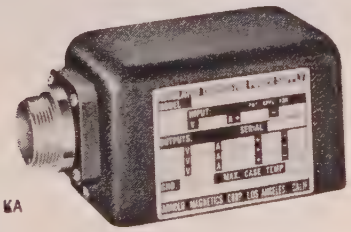


FEATURES

- Constant output voltage as battery discharges.
- 1/5 weight, 1/2 size of comparable dynamotors.
- Withstands short circuit indefinitely.
- Withstands input voltage transients of 70 volts peak with a time constant of 0.5 sec.
- Output voltage drift only 1.5% from —55° to +71°C.

SPECIFICATIONS

D. C. OUTPUT Model 591-A
Input Voltage: 24-30 VDC
Output Voltage: Any from 25-1200 VDC
Output Power: 60 watts regulated
Regulation: Line: ±0.5% for 6V variations
Load: ±1.0% for ½ L to FL
Ripple: 0.3% RMS
Size & Weight: 3" OD x 3 3/16" high; 22 oz.



Model KA

D. C. TO SINE WAVE

Input Voltage: 28 VDC nominal
Output Voltage: 115V RMS, 400 cps, 1 phase
Output Power: 50 V.A. (at 50°C.)
Frequency Regulation: ±0.3% for 6V variations of line & ½ L to FL
Size & Weight; 2½" x 4" x 2½" High; 26 oz.

immediate delivery.

ARNOLD/TOROIDAL COIL WINDER

sets up quickly...easy to operate... takes wide range of wire sizes

SPECIFICATIONS:

- Min. finished hole size: .18 in.
- Max. finished toroid O.D.: 4.0 in.
- Winding speed: 1500 turns/min.
- Wire range: AWG 44 to AWG 26
- Dual, self-checking turns counting system
- Loading (wire length) counter
- Core range: ¼" I.D. to 4" O.D. to 1½" high

LABORATORY USE

- Change wire and core size in 45 sec.

PRODUCTION USE

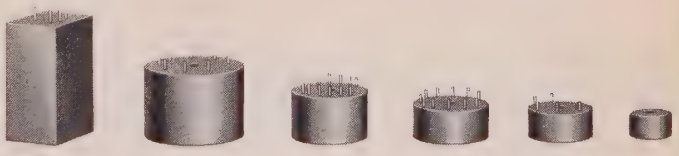
- 1500 turns per minute
- Insert core and load in 20 sec.

includes all rings, counters and accessories

ARNOLD TRANSFORMERS

—built for maximum precision and reliability . . . to military standards

Arnold builds small-size, lightweight units designed for exacting performance in precision military circuits. Fully encapsulated and hermetically sealed, these units withstand environment of MIL-E-5272A and MIL-T-27A. Units are furnished for either chassis mounting or printed circuit boards.



POWER TRANSFORMERS

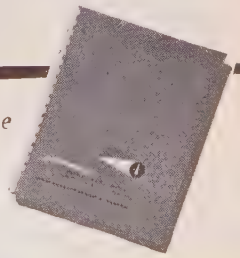
Series	pri. voltage	sec. voltage	sec. power	size
535	115V 400 ~	any, 1 to 100	1 watt	1.062" OD x 0.469"
533	115V 400 ~	any, 1 to 1000	20 watts	1.625" OD x 1.125"
77	115V 400 ~	any, 1 to 1000	50 watts	15/16" x 2 5/16" x 2 7/8" high
880	115V 400 ~	any 5 to 2000	120 watts	1-3/16 x 2¼ x 3" high
882	115V 400 ~	any 5 to 2000	235 watts	1-29/64 x 2-29/64" x 3-1/8" high
883	115V 400 ~	any 5 to 2000	335 watts	1-9/16 x 3 x 3-15/16" high

SIGNAL TRANSFORMERS

Series	turns ratio	input imp.	output imp.	size
791	any, 1 1 to 1 1000	from 120K to 720K	120K to 0.72K	1.062" OD x 0.469"

INDUCTORS

Series	inductance	max. "Q"	freq. range	size
781	any, 1 to 7000mh	from 55 to 145	100cps to 80KC	1.062" OD x 0.469"
782	any, 0.1 to 500mh	from 50 to 168	10 KC to 100 KC	1.062" OD x 0.469"
783	any, 1 to 3000mh	from 50 to 190	10 KC to 500 KC	1.062" OD x 0.469"
784	any, 1 to 17000mh	from 52 to 175	60 cps to 50 KC	1.437" OD x 0.750"
785	any, 1 to 7000mh	from 50 to 240	1 KC to 100 KC	1.437" OD x 0.750"



ARNOLD MAGNETICS CORPORATION

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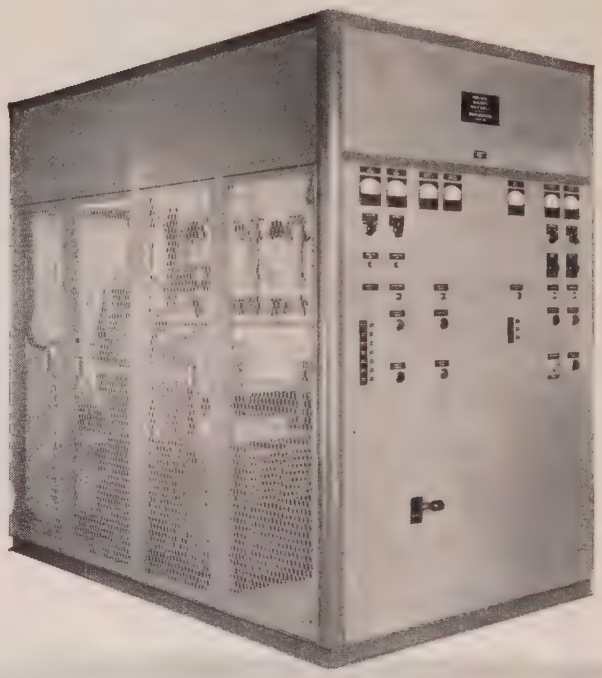
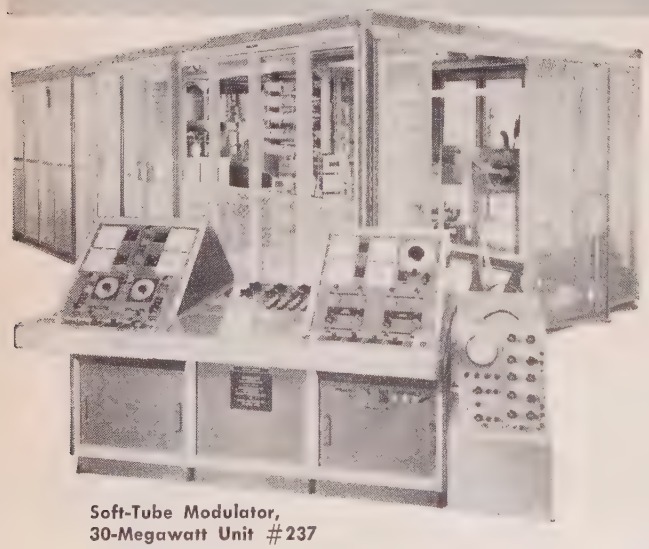
MANSON SYSTEMS ENGINEERING IN MICRO-WAVE & POWER

Power Supply: 0-20 KV @ 4 amps Model #214

- **OUTPUT:** 0 to 20 kilovolts DC @ 4 amps
- **REGULATION:** 15% maximum from no load to full load
- **RIPPLE:** Less than 1% of full output voltage
- **DUTY:** Continuous
- **METERS:** DC output voltage and current; AC line voltage and current; HV transformer primary-coil voltage and current; rectifier filament voltage; elapsed time
- **CONTROLS:** Main power switch; overload trip control; control and filament power ON and OFF buttons; high voltage ON, OFF, RAISE and LOWER buttons; surge test standby and surge test buttons
- **FEATURES:** Overload relay removes high voltage when load exceeds any preset value from 200 to 5000 ma, continuously adjustable; over-voltage circuit removes high voltage when voltage exceeds any preset value from 10 to 25 kv, continuously adjustable; solenoid-operated automatic shorting circuit discharges high voltage to ground after equipment is de-energized; voltage control motor automatically re-cycles output voltage to zero on overload; interlock on HV control requires control to be at the minimum output position before high voltage can be applied; all switches may be operated from a remote control unit; design and layout of internal circuitry permits easy checking and servicing of all parts; easy access to inside from three sides; rugged console construction, welded angle-iron frame with ⅛" thick sheet screening and panels



Power pulse applications from kilo- to megawatts . . .
according to your specifications, to suit your needs!



Soft-Tube Modulator,
30-Megawatt Unit #237

- **POWER (peak):** 30 megawatts
- **VOLTAGE (peak):** 200 kilovolts into 1300 ohms
- **CURRENT (peak):** 150 amps.
- **PULSE WIDTHS:** ½, 1, 2, 4, 6 and 8 microseconds, measured at 90% voltage points
- **PULSE REPETITION FREQUENCY:** 50 to 1800 pps, continuously variable with higher PRFs at reduced power
- **MAXIMUM AVERAGE POWER:** 60 kilowatts
- **MONITORING:** Current-viewing resistor for T.U.T. primary; capacitance voltage dividers for viewing (1) primary of auxiliary pulse transformer, (2) primary of T.U.T., (3) secondary of T.U.T. and (4) grid drivers to thyratrons

Specialists in Tube-Testing Equipment

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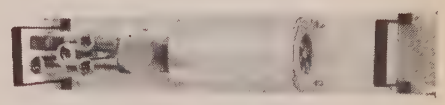
MANSON CUSTOM ENGINEERING IN PRECISION COMMUNICATIONS INSTRUMENTATION

MINIATURIZED HIGH STABILITY OSCILLATOR, MODEL RD-149

OUTPUT FREQUENCY: 100 kilocycles and 1 Mc, adjustable +6 cycles. (Other frequencies available when specified: 80 kc to 600 kc and 800 kc to 1.2 Mc)
OUTPUT: Sine wave 1 volt rms into 20 K ohms for 1 Mc output; 5 K ohms for 100 kc output.
POWER REQUIREMENTS: 200-250 volts DC @ 20 ma; 6.3 volts AC @ 1.1 amps, or DC when specified
OPERATING AMBIENT TEMPERATURE RANGE: −20°C to 55°C
OVERALL DIMENSIONS: 3¼″ x 3¼″ x 5¾″ (Also available: 1 Mc only, Model RD-145)

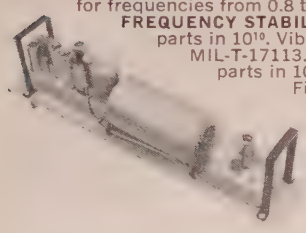


PROPORTIONAL CONTROLLED OVEN MODEL RD-130

ULTRA-ACCURATE CRYSTAL OVEN MODEL RD-134

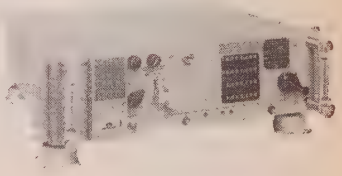
HIGH STABILITY OSCILLATOR MODEL RD-140A

OUTPUT FREQUENCY: 1 Mc, adjustable 6.5 cycles. Requirements for frequencies from 0.8 to 1.2 Mc can be met on special order.
FREQUENCY STABILITY: Short Term (circuit noise) — ±5 parts in 10^{10}. Vibration and Shock — 2 parts in 10^9 per MIL-T-17113. Ambient Temperature Change — ±2 parts in 10^8 from 0°C to 50°C. Change in B+ or Filament Voltage — ±2 parts in 10^9 for ±20% B+ change or ±5 parts in 10^9 for ±10% filament voltage change.
OUTPUT: Sine wave, 1 volt rms into 10 K ohms.
TUBE COMPLEMENT: Two 12AT7, two 6AQ5, one 6AH6.
POWER REQUIREMENTS: 250 volts dc @ 60 ma; 6.3 volts ac @ 1.8 amps; 115 volts ac @ 5 watts.
MOUNTING: Complete assembly mounted on a 3½″ high standard 19″ relay-rack panel, with handles.



CRYSTAL FREQUENCY SYNTHESIZER, MODEL N-317

ZERO ERROR READABILITY AND RESETTABILITY
OUTPUT FREQUENCY RANGE: 2 Mc to 34 Mc in 4 bands
TUNING INCREMENTS: 125 cps from 2-4 Mc; 250 cps from 4-8 Mc; 500 cps from 8-16 Mc; 1000 cps from 16-34 Mc
FREQUENCY STABILITY: 1 part in 10^8 per day, with higher stability available using external reference
SPURIOUS SIGNALS: down 80 db, except harmonics of the output
100 MILLIWATTS MINIMUM INPUT across 50 ohms
NEW DISCRIMINATOR* gives automatic and equal pull-in and hold-in without moving parts
ALL-ELECTRONIC SYSTEM eliminates mechanical servos



*Pat. No. 2,871,349

Masters in the art of frequency synthesization, Manson engineers can build to your specifications . . . or research your problems . . . to supply your needs in this field!

TRANSISTORIZED OSCILLATOR MODEL RD-144

FREQUENCY: 1 Mc, adjustable 5 cycles (also available at any frequency from 800 kc to 1.2 Mc on special request)

STABILITY: Drift rate less than 1 part in 10^8 per day

OUTPUT: .05 volt rms into 500 ohms (minimum)

INPUT POWER REQUIREMENTS: 24 volts DC ± 10%; approx. 1.8 watts maximum; 0.9 watts average power consumption @ 25°C ambient (available for other voltages on request)

OPERATING AMBIENT TEMPERATURE RANGE: 0°C to +50°C

VIBRATION & SHOCK: Meets MIL-T-945A specifications

NEW . . . stability 5 parts in 10^8 or less per annum!

ULTRA LOW-DRIFT OSCILLATOR, MODEL RD-147

OUTPUT FREQUENCY: 1 Mc, adjustable for 6.5 cycles (requirements for frequencies from 0.8 to 1.2 Mc can be met on special order)

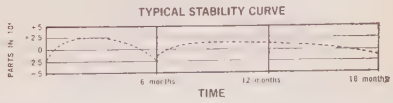
FREQUENCY STABILITY: Long term — 5 parts in 10^8 or less per annum (see Stability Curve). Short term (circuit noise) — ±5 parts in 10^{10}

OUTPUT: Sine wave, 1 volt rms into 10 K ohms

POWER REQUIREMENTS: 250 volts DC @ 60 ma; 6.3 volts AC @ 1.8 amps; 115 volts AC @ 5 watts

MOUNTING: Complete assembly mounted on a 3½″ high standard 19″ relay-rack panel, with handles

TYPICAL STABILITY CURVE



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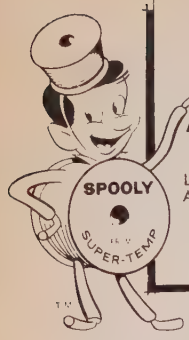

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HIGH TEMPERATURE WIRE AND CABLE

SUPER-TEMP HIGH TEMPERATURE WIRE AND CABLE CHART

ALL TEMPERATURES ARE CENTIGRADE

PRODUCTS	PRIMARY INSULATION				JACKET INSULATION								REMARKS
	MATERIAL	COLOR PER MIL STD 104		OPERATING TEMPERATURE	TFE TEFLON TAPE WRAP	FEP TEFLON EXT.	FIBRE GLASS BRAID IMPREG.	PVC EXT.	NYLON EXT.	NYLON BRAID AND LACQUER	DACRON BRAID	POLY-ETHYLENE EXT.	
		Solid	Striped		−90° +260°	−90° +200°	−90° +260°	−55° +105°	−40° +100°	−55° +125°	−55° +100°	−55° +90°	
CABLES Single & Multiconductor	TFE Teflon Ext. or Tape	√	√	−90°+260°	√	√	√	√	√	√	√	√	Any combinations of conductors and shielding available.
	FEP Teflon Extruded	√	√	−90°+200°		√	√	√	√	√	√	√	Conductors and primary insulations per Mil-W-16878.
	Silicone Rubber	√		−55°+200°		√	√	√	√	√	√	√	Special conductors and wall thicknesses of insulations available.
	PVC	√	√	−55°+105°				√	√	√	√		Bonding treatment of teflon primary or jacket insulations available. Shielded with Silver Plated or Tinned Copper.
COAXIAL CABLES	TFE Teflon Extruded	√		−90°+260°	√*	√	√*	√	√	√	√	√	*Per Mil-C-17B
	FEP Teflon Extruded	√		−90°+200°		√	√	√	√	√	√	√	Special constructions and jackets available.
	Polyethylene Solid or Foam	√		−55°+90°			√	√*	√	√	√	√*	Shielded with Silver Plated or Bare Copper.
AIRFRAME WIRES	TFE Teflon Tape and Imp. Glass	√		−60°+205°		√	√			√	√		Per Mil-W-7139A Shields and jackets available.
	Silicone Rubber and Dacron	√		−55°+150°			√			√	√		Per Mil-W-8777A Shields and jackets available.
HOOK-UP WIRES	TFE Teflon Ext. or Tape	√	√	−90°+260°	Per Mil-W-16878 type E or EE, or thin wall or extra heavy wall								UL Approved
	FEP Teflon Ext. or Tape	√	√	−90°+200°	Produced to physical dimensions of Mil-W-16878 type E or EE								Special constructions available.
	Silicone Rubber	√		−55°+200°	Per Mil-W-16878 type F or FF, special constructions								Twisting of two or more wires available.
	PVC	√	√	−55°+105°	Per Mil-W-16878 type B, C, or D with or without Nylon Jacket								Bonding treatment of teflon insulations available.
	TFE Teflon Film	√		−90°+260°	Operating voltage 300 RMS—Solid conductors only								
MAGNET WIRES	TFE Teflon Film	√		−90°+260°	Per Mil-W-19583 type III single, heavy, triple and quad. wall thickness								Tempering and bonding treatments available.
	Silicone and Isonel	Natural		−55°+155°	Per Mil-W-19583 type II single and heavy wall thickness								
	Mica Magnet Wire	Natural		−90°+350°	A special magnet wire for extremely high temperatures								Available with nickel clad copper conductors.

†DUPONT'S TFE RESIN

TEFLON TAPES: Type B, sintered and bondable; Type B, unsintered; all sizes; Mil. Std. 104 colors.

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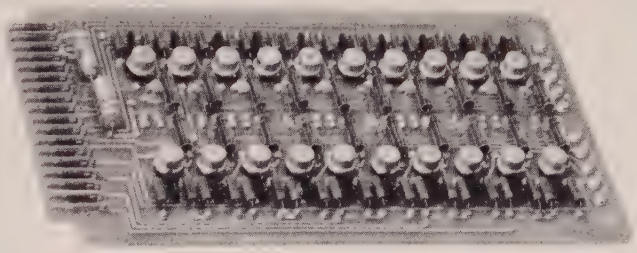
the industry's most complete compatible line of basic components for digital circuitry... from Epsco

INCORPORATE

TRANSISTOR DIGITAL CARD CIRCUITS

A series of 200 kc. Transistor Digital Circuit cards incorporates the reliability and high performance design features of the TDC encapsulated module circuits . . . system-engineered to provide high versatility and economy within a large scale digital system environment. Epsco TDC cards are completely compatible with Epsco TDC modules and shift registers allowing full integration of these units within a system. This provides a significant application versatility and economy of design for all general and special purpose digital equipments. Write for illustrated bulletin.



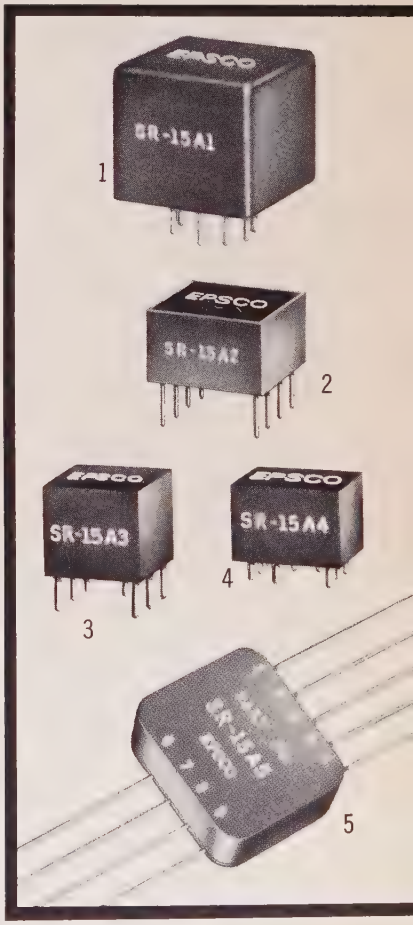
EPSCO TDC card series include flip-flop cards for logical and control functions, binary and decade counters for storage and counting operations, diode and transistor gates with a wide variety of input configurations, amplifier units for signal inversion and power amplification and a Delay Multivibrator unit for signal delay and shaping purposes.

MAGNETIC SHIFT REGISTERS

Here is a complete stock line of quality magnetic Shift Register bits, combining ruggedness, compactness with extreme reliability at low cost and low power consumption. Their proven performance has made them essential in such digital applications as buffer storage units, signal distributors, parallel-serial converters and accumulators, as well as in many logic operations. Their availability in a variety of case styles for plug-in or printed circuit board mounting provides high flexibility for equipment design. Write for Bulletin 1100.

The Components Division also produces a standard line of Magnetic Shift Register Card Assemblies. Operating frequencies extend to 250 kc. over an ambient temperature range of −10°C to −55°C. A full complement of current drivers and input and output stages are also available for direct conversion between shift register and transistor digital circuit logic. Bulletins SRD60 and SRC60 cover these assemblies.

AVAILABLE CASE STYLES Case Style #1 is for standard 9-pin miniature socket mounting and offers convenience in installation and servicing. Cases 2, 3, 4, and 5 are for printed circuit assemblies. Styles 2 and 5 which can entirely house most of the register types are designed for medium packaging density requirements. Styles 3 and 4 permit very high packaging densities with nearly all shift register types. Style 5 has flexible leads to permit solder lug as well as printed circuit assembly.



AVAILABLE TDC CIRCUITS ENCAPSULATED

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Diode AND Gates
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Level Shapers
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Specifications:
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1.5 mc. S1000 Series
Power Supply Levels ±18v., ±6v
Signal Levels 0v and −6v
Temperature Range −55° C to +75° C

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The logical portions of any digital system can be built up quickly and economically with this compatible performance-proven series of 200 kc. and 1 mc. encapsulated, plug-in Transistor Digital Logic Circuits. Available from stock, these Epsco TDC's provide significant savings in engineering time and cost . . . greatly reduce equipment space requirements . . . and provide reliable operation. Epsco also offers a TDC starter kit containing a selected variety of TDC units for convenient assembly to counters, shift registers, half-adders and many decoding and control networks. Write for TDC folder with complete set of engineering data sheets covering performance characteristics.

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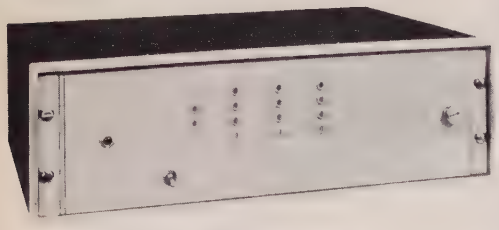
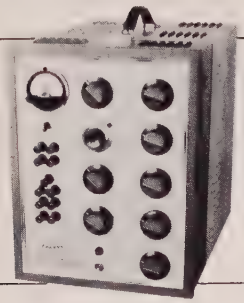


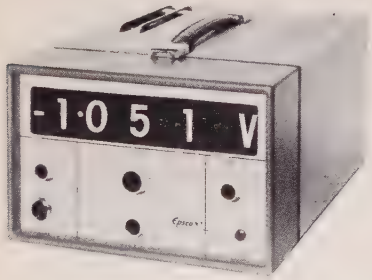
DATA CONVERTERS

TRANSICON DATRACS — To meet the need for a high speed solid state analog-to-digital converter, Epsco has developed a complete line of Transicon Datracs. These are modularized, transistorized, reversible converters capable of up to 25,000 complete analog-to-digital conversions per second and up to 100,000 digital-to-analog conversions per second. Designed for either rack-panel or portable application, the Transicon Datracs have built-in expandability features and are equipped with internal power and reference supplies. For further technical information, write for the 6-page Transicon Brochure.



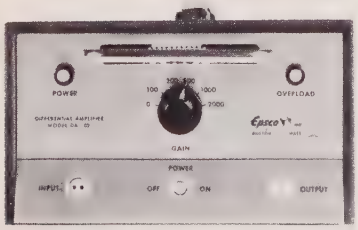
VOLTAGE REFERENCE SOURCES

VR607 Epsco precision Secondary Standard Voltage Reference Sources feature ±0.01% absolute accuracy with ±0.005% stability ensured by the use of certified cadmium standard cells, oil-immersed precision resistors and high-gain chopper-stabilized amplifiers. VR607 is widely used in the industry as a standard for calibration and test. Bulletin 26001 lists complete specifications.



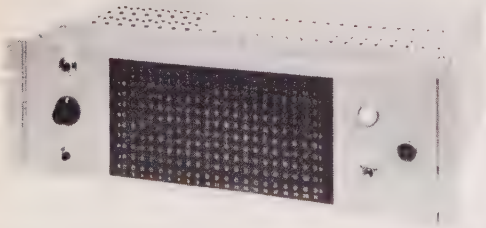
DIGITAL VOLT-OHM METERS

DVOM The lightweight, transistorized Epsco Digital Volt-Ohm Meter measures and displays both AC and DC voltages and resistances, and counts external events. Binary coded decimal and decimal outputs are available at the output connector for operation of printers, tape perforators, etc. DC measurement accuracy is ±0.1% of range. Resistance measurement accuracy is ±0.25% of range. The Epsco DVOM is an ideal measurement device for: precise numerical measurements of voltages and resistance for laboratory instrumentation, direct numerical display and printer control data for production and quality control testing and medium-speed data acquisition for direct print-out or storage in data logging. For complete specifications, write for Bulletin 26002.



D.C. AMPLIFIERS

DA-102 For wide-band, low-level instrumentation applications, the Model DA-102 DC Amplifier provides the answer to your needs. With a true differential, low noise input, it is designed to amplify low-level signals in the presence of large AC or DC voltages common to both terminals. The DA-102 is ideally suited for thermocouple and strain gage amplification. Fixed and adjustable gain models are available. Write for Bulletin 105801.



MULTIPLEXERS

TMX The Epsco solid-state TMX Series Multiplexer performs up to 14,000 switching actions per second to commutate as many as 40 data voltage inputs. A greater number of channels can be supplied on special order. As a commutator, the TMX can sequentially transfer (in any arbitrary sequence) a multiplicity of data voltage sources. Low and constant switch impedance assures high transfer accuracy as well as ±0.01% linearity for data systems applications. Epsco builds a complete family of modular, high-speed commutators for data transmission and recording systems use. Complete technical information can be obtained from Bulletin 75801.

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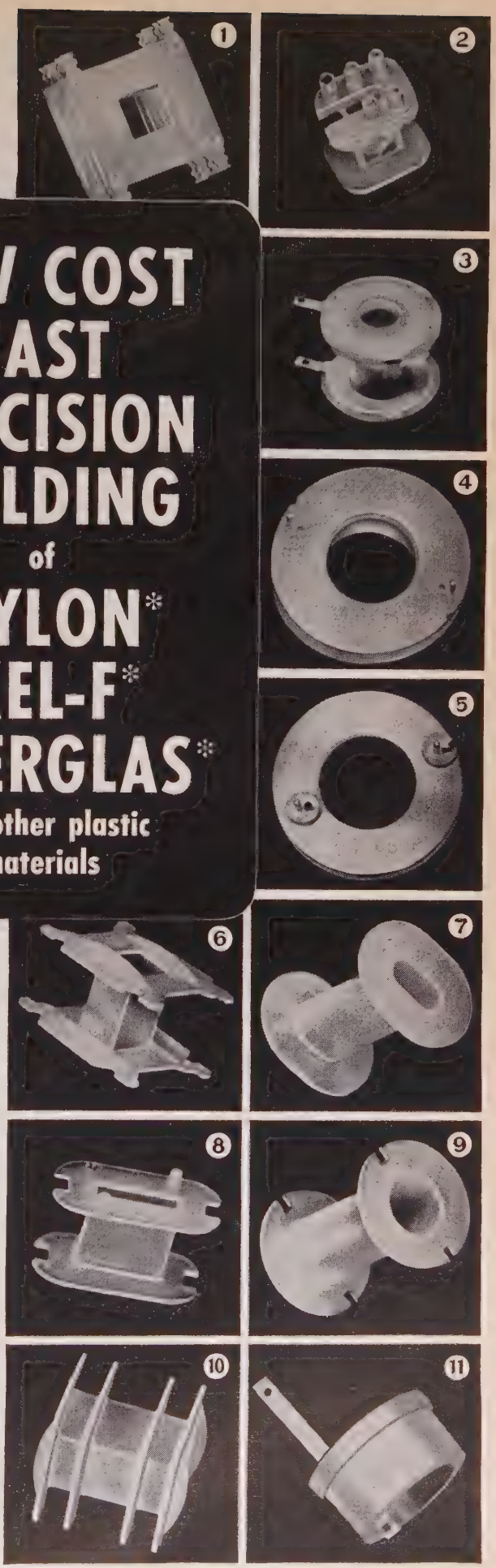

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The use of "universal" molds of exclusive HYDRO design assures low-cost tooling and quick delivery of all types of coil forms. Precision tooling insures a flash-free product held to close tolerances. This service is particularly attractive for short runs where high mold costs can raise unit prices of component parts substantially. Similar savings are possible on many other electronic components. *May we quote on your requirements?*

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Engineering and Manufacturing in Plastics

PLATTSBURGH, NEW YORK

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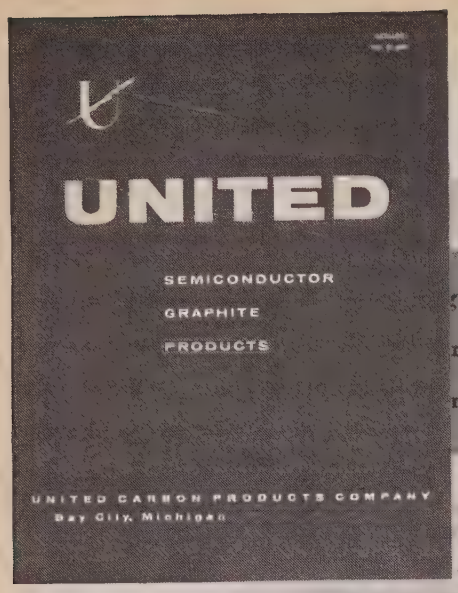

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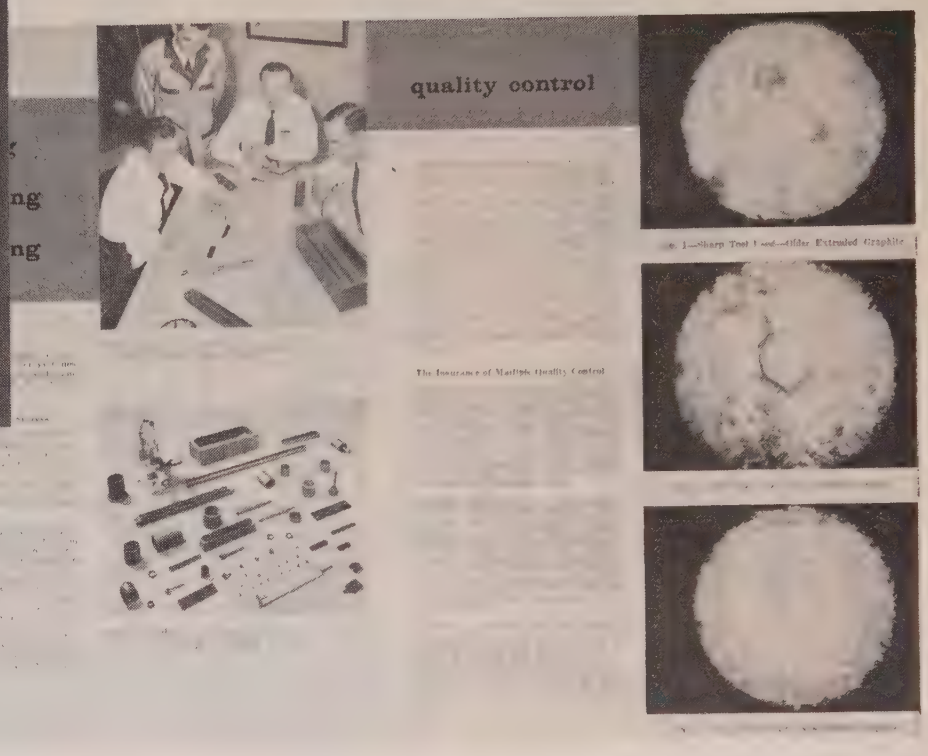

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Here are some of the questions it answers:

1. Why is high purity important in graphite for semiconductor processing? *(answered on page 5)*
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3. Can more reliable transistors be made through the use of Ultra Pure graphite? *(answered on page 4)*
4. Does United guarantee "crash" deliveries? *(answered on page 14)*
5. Exactly how pure is United's Ultra Pure? *(answered on page 5)*
6. How is United set up to help with technical questions? *(answered on pages 2-3)*
7. What difference does it make whether a graphite fusion jig is molded or extruded? *(answered on page 6)*
8. What production help can a graphite producer offer a maker of transistors? *(answered on pages 12-13)*
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And these questions are but a few—a merest indication. For the whole story on United's services, and on Ultra Pure Graphite's role in improving semiconductor production, send for this new 20 page looseleaf, stiff cover brochure. Fully illustrated . . . carefully compiled . . . sure to be a help to you. . . . Mail the coupon now.

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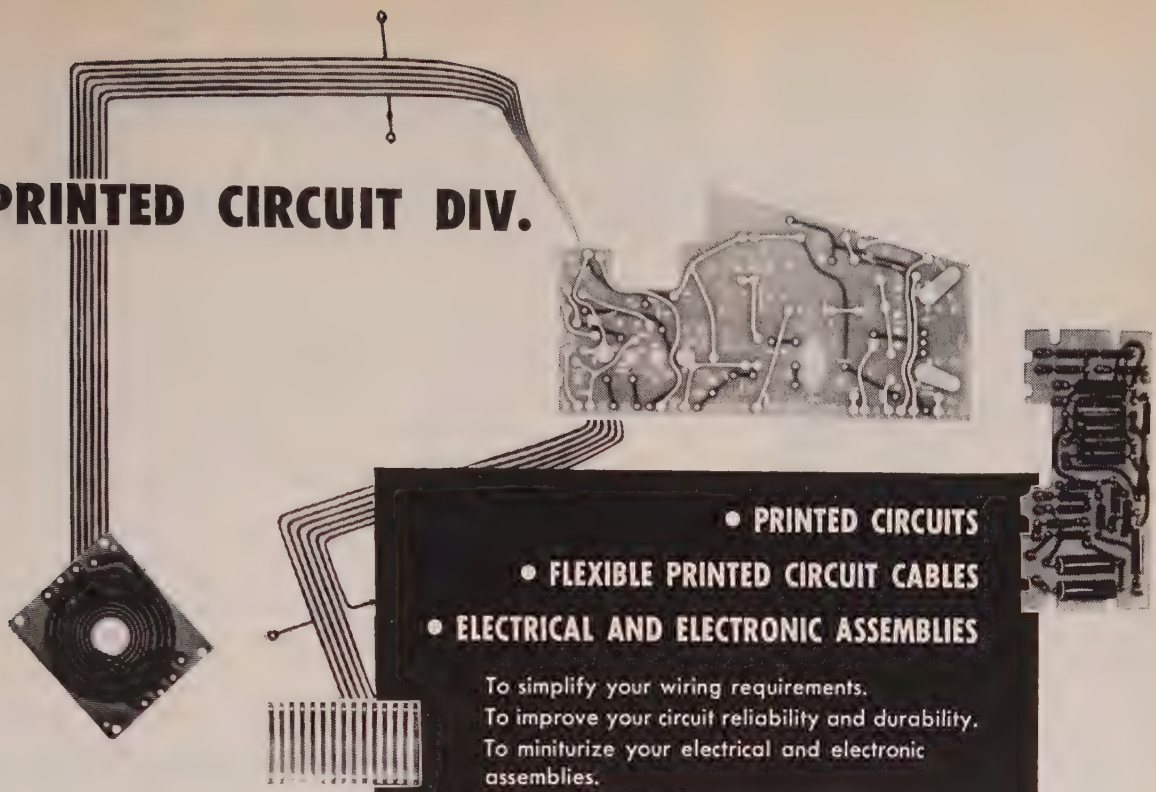

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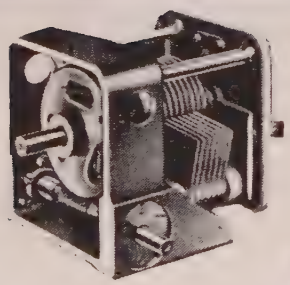
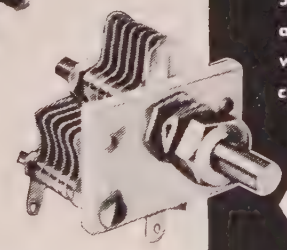


VARIABLE AIR PRECISION CAPACITORS

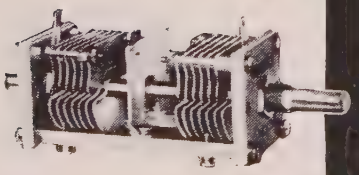


SINGLE and MULTIPLE TYPE J

Series 104 and 105 capacitors are stable and rugged. Their increasing use in Pi networks is evident. A unit having medium capacity ranges and good voltage ratings.

SINGLE SECTION TYPE B

Series 100 and 101 capacitors embody sturdiness as well as lightness. Spacer construction on rotor and stator result in exceptional stability for a unit of this size.



DUAL TYPE C

Series 102 duals bridge the gap between type B and the larger types. These capacitors embody lightness as well as sturdiness. All have rear shaft extensions to facilitate the coupling of additional units.

SERIES 103 TYPE D

Type D or the "butterfly" line as they are more commonly called, possess the spacer construction and sturdiness necessary for this type of capacitor.

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Experience and proven dependability. Our facilities are complete. Our engineering staff has the "know-how." Our manufacturing is carefully executed. Our products are precision made.

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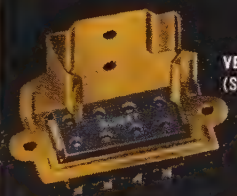

VERTICAL MOUNTING
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VERTICAL PRINTED CIRCUIT MOUNTING

SOCKET ONLY WITH MOUNTING SADDLE
(Solder Cup Contacts or Printed Circuit Pins)

Patent Pending

These assemblies will accomodate Micro-Miniature relays as manufactured by G. E., Elgin, Sigma, Allied, Potter & Brumfield, Clare, Iron Fireman, Babcock and many others.

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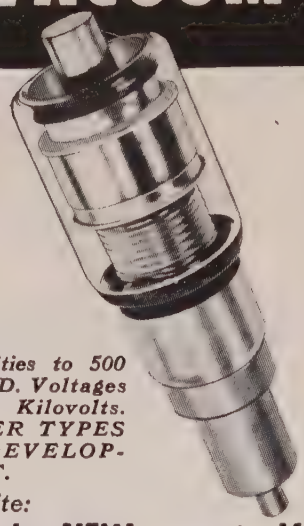

NEW concealed exhaust tubulation protected against accidental damage. Completely symmetrical bulb for mounting ease.

NEW ruggedized structure with PYREX glass bulb, OFHC copper seals and cylinders; non-shorting feature for safety.

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4414-30	2.0-4.0	30	1.3	$250.
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Upon Special Request:
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SUBminiature CERAMIC CAPACITORS

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When the design demands an even smaller capacitor to fit an almost impossible space, then MUCON's SUBminiature Ceramic Capacitors are called on to take over. Long miniaturization experience—a range of 13 ceramic materials—plus a wide variety of leads, shapes and terminal arrangements provide the quick answers.

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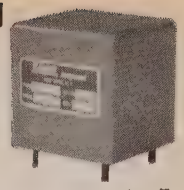

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Proportional temperature control—For close temperature control of high precision floated gyros or other electronic equipment. 400 cps, 60 cps, or d-c.

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***Transient protectors;* low level magnetic amplifiers; torque drive amplifiers.**

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1N444A	1N561	1N1217	1N1653
1N530	1N599	THRU	1N1692
THRU	THRU	1N1226	THRU
1N535	1N614A	1N1486	1N1695
1N536	1N1095	THRU	1N1763
1N537	1N1096	1N1492	1N1764
1N538	1N1100	1N1556	1N2080
1N539	THRU	THRU	THRU
1N540	1N1105	1N1560	1N2086

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1N253	1N550	1N1115	1N1227
THRU	THRU	THRU	THRU
1N256	1N555	1N1128	1N1236
1N332	1N608	1N1537	1N2512
THRU	THRU	THRU	THRU
1N349	1N614A	1N1544	1N2517

INSULATED STUD

1N2217	1N2518
THRU	THRU
1N2293A	1N2556

PLUG-IN TUBE REPLACEMENTS

S5U4 S6X4 S6X5 S6087

TOP HAT EQUIVALENTS TO ALL-GLASS DIODES

1N482TH	1N645TH
THRU	THRU
1N488TH	1N649TH

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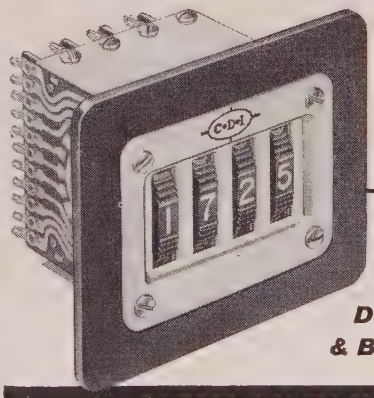

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Available in permanent or removable wafers in 8, 10 or 12 positions up to 16 switches per modular assembly. Occupies only ½" panel space per module. Variations available to special order.

Instant, easy numerical readout—only selected numbers are visible thru openings in the bezel plate. Thumbwheel is black molded nylon with ¼" engraved figures. Other colors available.

Construction is printed circuit wafers with silver, rhodium or gold laminate, precious metal alloy contacts and corrosion protected aluminum frame. Switch can be positioned horizontally or vertically.

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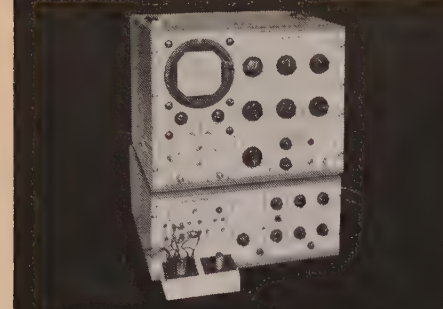
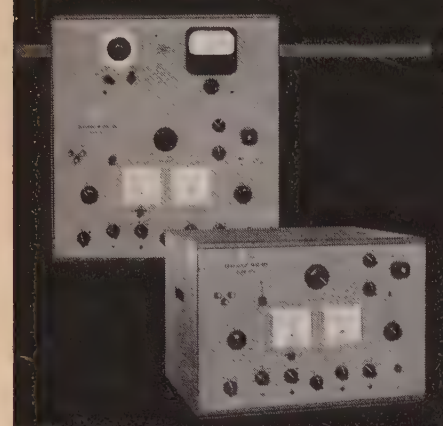


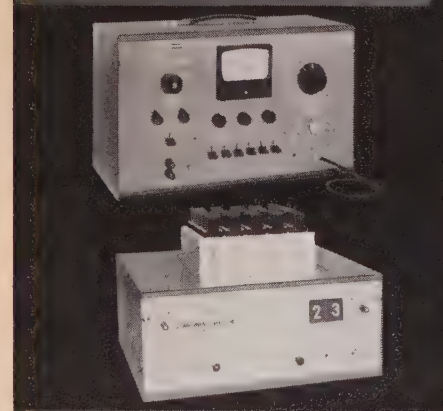
CURVE TRACER, Model MW-1

Designed to display families of characteristic curves for PNP and NPN transistors — either common base or common emitter configurations • Both input and/or output current or voltage may be selected as components of the curves displayed • Operational range includes the highest maximum current (30 amp collector current continuous duty — 50 amp intermittent, 450 watts maximum available power) and the lowest observable impedance (.001 ohms) now available • Maximum input current is 5 amp • Automatic overload protection • Users say this is the finest, most versatile instrument on the market. (Illustration shows instrument with tube adaptor)



General Purpose TRANSISTOR TEST SET — KP-2 Series

Designed for medium power transistors up to 2 amp. These units are used in research and quality control applications with maximum reliability • Direct precision measurements • Up to 2 amp, 200 volts, 100 watts maximum. Measures h parameters using basic straight forward circuitry. Features common base or emitter, direct measurement of h parameters plus α and β cutoff. Meter indication of dc parameters — I_{CO}, I_{EO}, V_{CER}, V_{EBF}, h_{FE}, etc. • Measurement frequency from 100 cps to 200 kc.



TRANSISTOR TEST SET, Model GP4

Standard of the industry for low power transistors • Measures h parameters of NPN and PNP junction and surface barrier transistors, common base or common emitter circuits, α and β cutoff, and I_{CO}, and C_C • Measurement frequency from 100 cps to 1 mc.

COMPONENT SELECTOR Model NA-1

Designed primarily for incoming inspection of quality control testing of large numbers of 2 or 3 terminal components • Capacity: 50 at one time • Manual or foot switch operation • Safety switching; manual reset.

BETA TESTER, Model KT-1

Lightweight, portable, easy to use • Measures Beta, h_{ie}, and I_{co} • Completely self-contained • Features transistorized 1 kc oscillator and batteries, printed circuit construction and meter overload protection.

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Direct readout — ¼, ½, ¾,
May be used to display the state of count of a ring of 4 cold-cathode or thermionic tubes.

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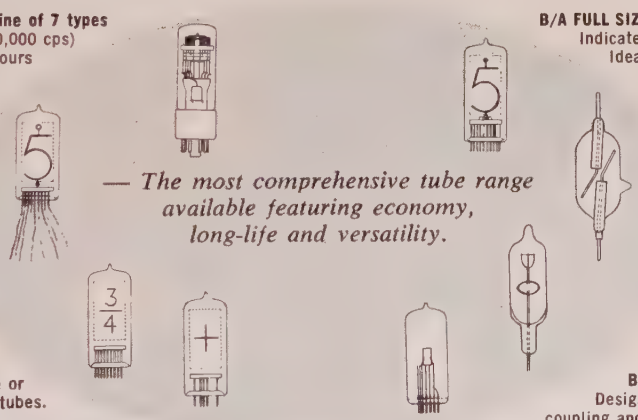

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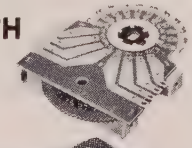
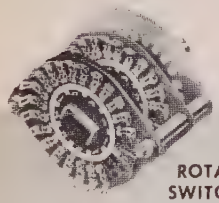
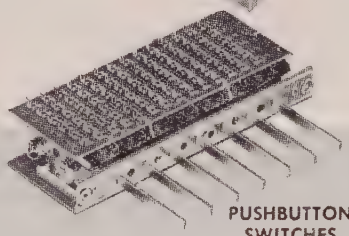
NEW THUMBWHEEL SWITCH

Provides in-line read-out of switch positions in a space-saving size

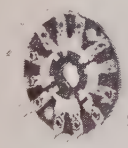




ROTARY SWITCHES



PUSHBUTTON SWITCHES



PRINTED CIRCUIT SWITCHES

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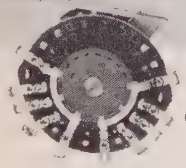

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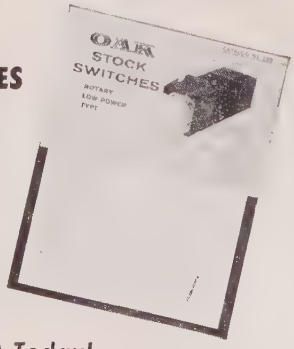
- 1 to 4 Sections, 2 to 23 Positions



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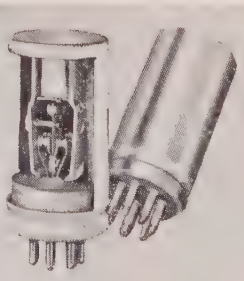
Type 605 Chopper Eliminates Phase-Shift Circuit

Has 0° (or 180°) phase-lag "designed-in." Available with side or vertical flange mounts, flattened pierced pins, solder loops, or standard socket pins.

NC 600 Series of Oak Choppers

Available for frequencies from 15 to 600 cycles. Operates up to 125°C. High contact rating. Exceptional stability. Low voltage starting.



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Basic Oak designs cover practically any application. The V6000 Series is a versatile, general purpose vibrator. Type 94 is designed primarily for auto radios. Type 95 is a small, medium power shunt drive interrupter. The MV Series is designed for portable radios and similar applications. All can be supplied for military needs.

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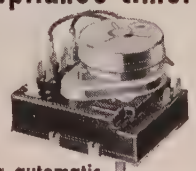
design...call on OAK engineers!

ing time. Even on seemingly simple components, Oak engineers have been able to make valuable suggestions that resulted in better performance and lower costs. Combine this thorough engineering with Oak's manufacturing skills and facilities, and you can feel assured of getting the *exact* component you need . . . and in a lot less time.

appliance timers



For automatic washers and dryers

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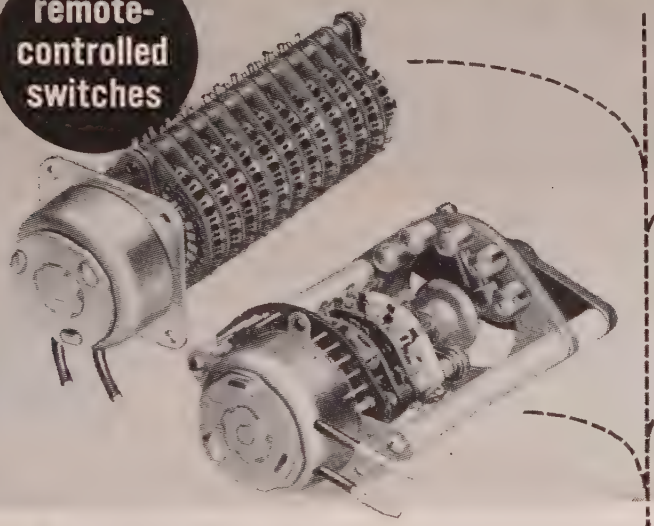
remote-controlled switches



special sub-assemblies

SERVO-SELECTOR BUILT FOR RADIO CORPORATION OF AMERICA

MT273E MOUNTING BASE BUILT FOR BENDIX RADIO DIVISION

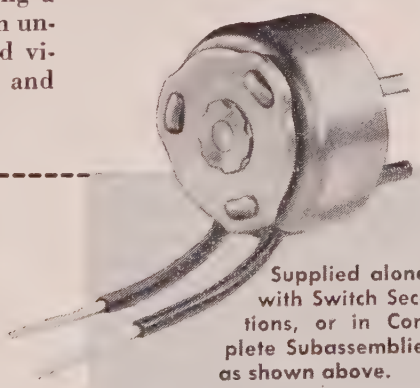
Thousands of Combinations

Oak remote-controlled switches are custom combinations of Oak rotary solenoids* and the many types of Oak rotary switches. They are unusually reliable, giving a positive stepping action even under conditions of shock and vibration. Ideal for mobile and military equipment.

One Responsibility . . . One Source

Turn your prototype over to Oak engineers. They will analyze it, test it, redesign for optimum performance, and convert it into a manufacturable device. Oak's modern production facilities then build your subassembly, and run any life and environment tests which may be required.

rotary solenoids*



Supplied alone, with Switch Sections, or in Complete Subassemblies as shown above.

Oak rotary solenoids are ideal actuators for remote control of complex circuits under the severe conditions of MIL-S-4040A and similar specifications. They are compact, rugged and extremely adaptable.

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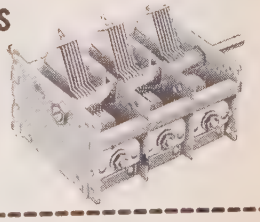
quality variable capacitors

- Custom-built
- Up to 603 MMF max. capacity per section
- Five models including band spread and split stator units
- Meet MIL specifications



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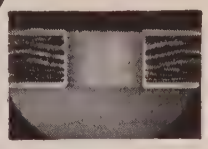
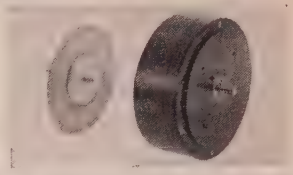
You can have the world's largest and most flexible printed-circuit manufacturer at your service. Whether it's 100 or 1,000,000 boards, IBM punched card scheduling, experienced production people and stringent quality control methods assure you dependable quality and reliability . . . on time.



TUF-PLATE HOLES

reliable thru-hole construction

PC's famous plated-thru holes are substantially more reliable than eyelets under experimental cycling. Will pass MIL-E-5272A without a failure. Plating is dense, ductile and fine grained. Tuf-Plate holes assure reliable dip soldering as a homogenous portion of your circuitry.



PRINTED DC SERVO MOTORS

provide direct drive

PMI permanent magnet dc motors feature a disc-type armature with no rotating iron. They are ideal for instrument applications requiring unusually low inertia, smooth torque, high pulse torque capability, and minimum inductance. Applications include positioning servos, tape reel drives, numerical positioning devices, and intermittent motion systems.

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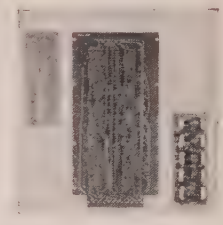

PHOTOELECTRIC TAPE READER

whisper-quiet operation

This completely transistorized reader has only **one** moving part (the PMI printed drive motor), thus guaranteeing high reliability. Reading speeds up to 60 characters per second in Model #100, and block reading up to 80 bits in the Model #200 photoelectric tape reader are available. Whisper-quiet operation without brakes or clutches reduce maintenance to a minimum.

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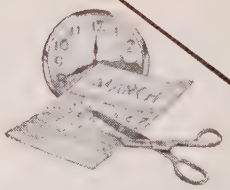

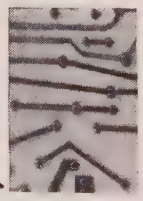

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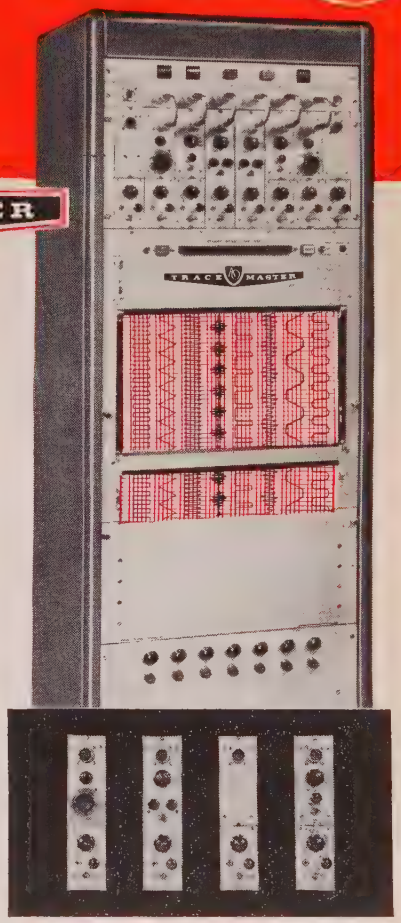
The World's Finest Direct-Writing Recorder

TRACE MASTER



The Instrument Division of American Optical introduces a line of Direct-Writing Recorders that significantly outperform all others in every important area:

WIDER BAND WIDTH AT FOUR TIMES THE AMPLITUDE

Most direct-writing recorders have a top frequency response to 120 cps . . . and even that at a trace amplitude of only 1 cm. American Optical's new TRACE-MASTER Recorder has a top frequency response of 140 cps at a trace amplitude of 4 cm! (more than 200 cps at 1 cm!). Thus the "band-amplitude" product (the only useful figure of merit for a direct-writing recorder) is 6 times better than any other!

FINER WRITING METHOD

The TRACE-MASTER recorder utilizes a direct carbon transfer method (like typewriting) for the most uniformly black, most permanent, most easily reproduced trace — it actually grows darker with age! Unlike ink, it cannot splatter or run dry, and there are no priming problems. Unlike thermal or electric methods, direct carbon transfer is impervious to ambient temperature conditions, and unaffected by humidity. Resolution is constant, over the entire rated band-amplitude range of the instrument.

ONLY RECORDER PRODUCING USEABLE TRACE WHEN OVERDRIVEN (Far Beyond Its 'Band-Amplitude' Ratings)

Even when stylus is driven at over 70 miles per hour, the trace is visible, completely useable, and perfectly free from artifact! No ink splatter, no paper tearing, no "fade-out".

NO FRICTION EFFECTS

Regardless of the slowness of signal changes, the "history" of the stylus position, the condition of the paper, the chart speed, or the temperature . . . there is no static error! The unique, stylus-modulation technique actually shifts the stylus imperceptibly 400 times per second and eliminates friction, sticking, static error — from any source!

LOW CHART-PAPER COST

Mylar-base carbon ribbon prints directly on conventional high quality chart paper, yielding excellent operating economy.

Low operating cost often eliminates operator's tendency to make intermittent, incomplete recordings.

RECTILINEAR RECORD

Easiest type of record to interpret. No curved line graphs! More than a convenience . . . a necessity for accurate interpretation of data.

INSTANT-RESPONSE CHART-SPEED CONTROL

Change chart speed from 0.1-500 mm/sec. in 0.2 sec.! Actually, before your finger has left the speed-selection button, the new chart speed has been achieved. You waste no time waiting for the chart-speed to stabilize. No risk of losing vital data!

COMPLETELY COMPATIBLE SIGNAL-CONDITIONING CIRCUITRY

AO TRACE-MASTER recording systems permit the unrestricted combination of any Match-Master Coupler Module, any Gain-Master Signal Amplifier, and any Drive-Master Driver Amplifier, with any Trace-Master Stylus Motor. All are completely compatible. The TRACE-MASTER system employs transistorized circuitry: multiple-feedback amplification with extremely wide dynamic margins and lower distortion. This sophisticated circuitry provides excellent linearity, accuracy, and stability!

Write for complete information

American Optical COMPANY

Instrument Division — **Buffalo 15, New York**

400 CYCLE TINYMAX TRANSFORMERS

for greater space and weight savings

TORWICO'S UNIQUE DESIGN TECHNIQUE TAKES FULL ADVANTAGE OF CORE PERFORMANCE AND PACKAGING EFFICIENCY.

V. A.	O D ±1/32	Height ±1/32	Case Style	Nominal Weight	% Regulation
1.5	1	15/32	D & E	¾ oz.	20
3.0	1	19/32	D & E	1 oz.	15
6.0	1	13/16	D & E	1½ oz.	10
9.0	1	1-1/16	D & E	2 oz.	8
16.0	1-3/8	1-1/8	F	4 oz.	7
25.0	1-3/8	1-3/8	F	5 oz.	6

STANDARD CATALOG NUMBERS

Standard Voltage Ratings PRI/SEC	Available From Stock		
	1.5-9.0 V.A. Size Terminal End Mounting Secondary Centertapped	16 and 25 V.A. Size Terminal End Mounting Secondary Centertapped	1.5-9.0 V.A. Size Reverse Mounting Secondary Centertapped
115/6.0	TW (VA) D6.0T	TW (VA) F6.0T	TW (VA) E6.0T
115/6.3	TW (VA) D6.3T	TW (VA) F6.3T	TW (VA) E6.3T
115/10	TW (VA) D10T	TW (VA) F10T	TW (VA) E10T
115/26	TW (VA) D26T	TW (VA) F26T	TW (VA) E26T
115/115	TW (VA) D115T	TW (VA) F115T	TW (VA) E115T
115/200	TW (VA) D200T	TW (VA) F200T	TW (VA) E200T
115/250	TW (VA) D250T	TW (VA) F250T	TW (VA) E250T
115/300	TW (VA) D300T	TW (VA) F300T	TW (VA) E300T

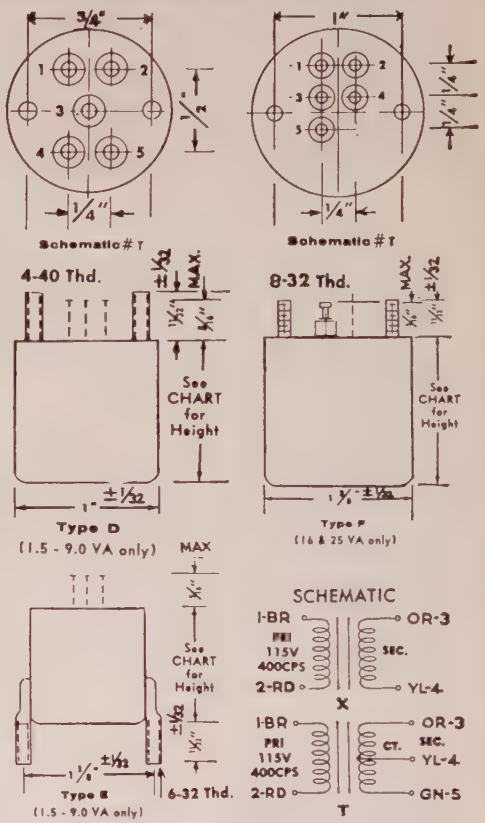
★ Electrostatic shields can be provided between pri and sec. Use next larger case height for a given rating. Simply add "S" to the end of the code number as shown in the example.

Other V.A. ratings, secondary voltages and constructions engineered to your specifications.

HOW TO ORDER:

Non standard ratings may be ordered by code number per the following example:

TW	25	F	6.3	T	S
TINYMAX INDENT.	V.A. Rating	Case Style	Sec. Voltage	Schematic	Electrostatic Shield



tol. ±1/64 unless otherwise specified

All Terminals Color Coded For Permanent Identification
1—Brown 2—Red 3—Orange 4—Yellow 5—Green
In Addition To Terminal Marking As Shown

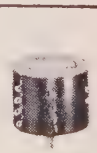
SPECIFICATIONS:

Conform with MIL-T-27A, Grade 4, Class S.
Ambient Temperature −55 to +85°C.
Maximum Total Operating 130°C.
Life Expectancy 10,000 Hours Minimum.
Hermetically Sealed.
Maximum Altitude 70,000 ft.
Pri Voltage 115V ±10%.
Pri. Frequency 400 cps ±5%.
Sec. Voltage Tolerance ±3% (at 115V. in & Rated Load).

Torwico Electronics reserves the right to make changes at any time to improve design.

TORWICO
ELECTRONICS, INC.
1090 Morris Ave., Union, N. J.

SENSITIVE RELAYS


MAGNETIC AMPLIFIER

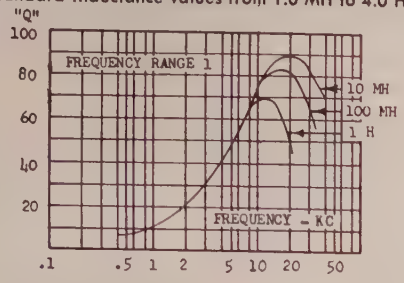
FILTERS

TOROIDS

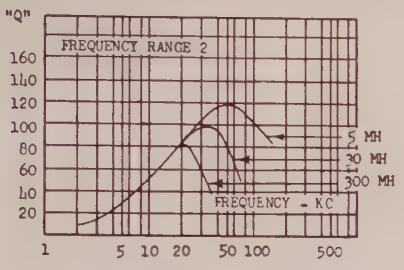
TORWICO TOROIDAL INDUCTORS

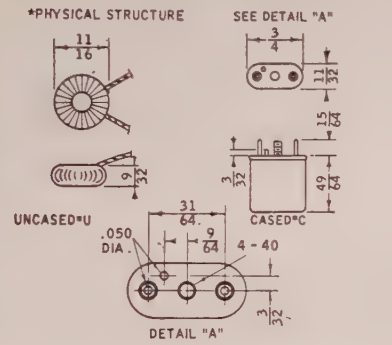
T W C SERIES

Standard Inductance values from 1.0 MH to 4.0 H



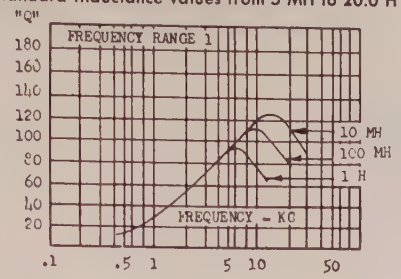
Standard Inductance values from 1.0 MH to 500 MH



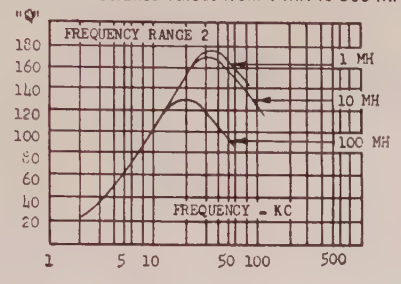


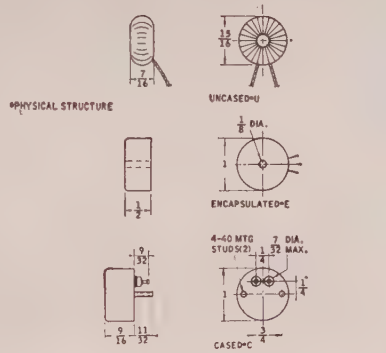
T W S SERIES

Standard Inductance values from 5 MH to 20.0 H



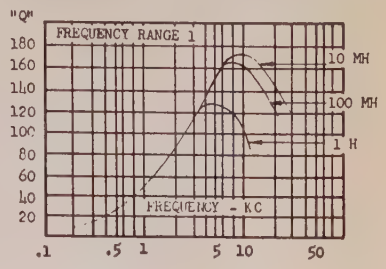
Standard Inductance values from 1 MH to 500 MH



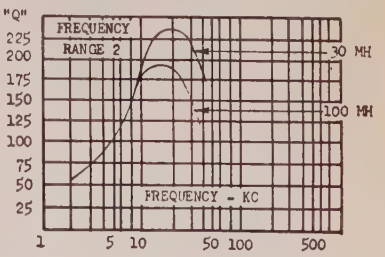


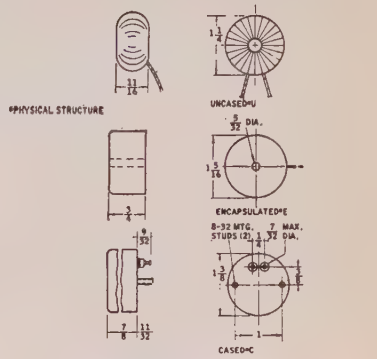
T W M SERIES

Standard Inductance values from 10 MH to 20.0 H



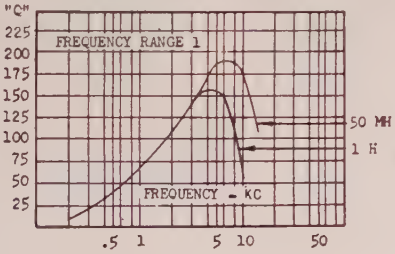
Standard Inductance values from 5 MH to 500 MH

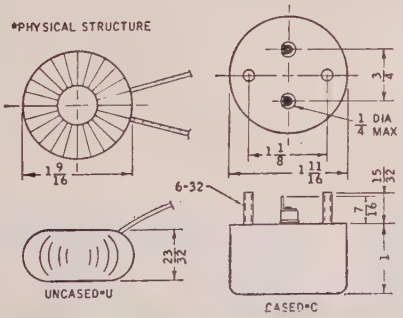




T W I SERIES

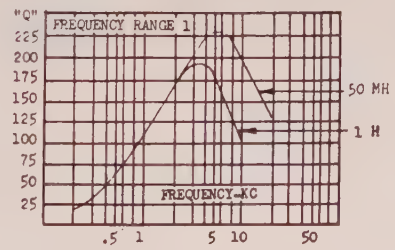
Standard Inductance values from 10 MH to 20.0 H

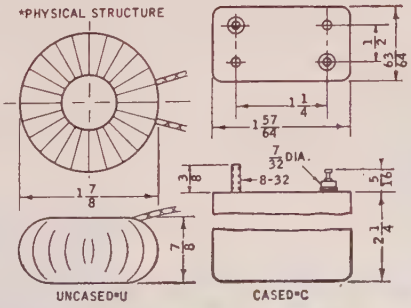




T W D SERIES

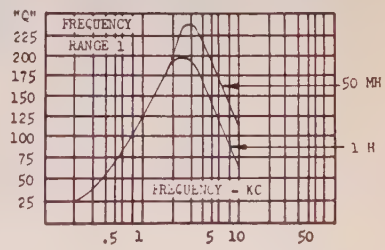
Standard Inductance values from 10 MH to 35.0 H

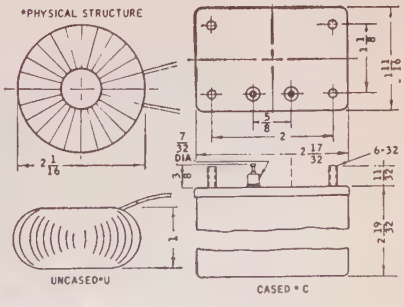




T W L SERIES

Standard Inductance values from 20 MH to 50.0 H

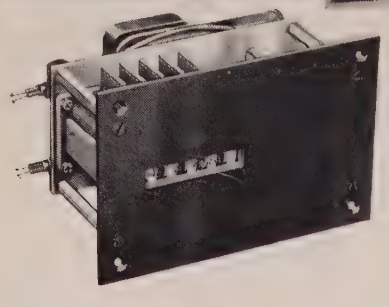




TORWICO ELECTRONICS, INC.
1090 Morris Avenue, Union, N. J.

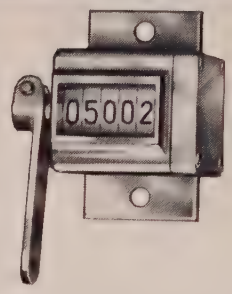
On ordering:
Please designate coil size, inductance value, frequency range and physical structure.
Example: TWS 75 MH 1 c

Veeder-Root COUNTER READOUT Bulletin



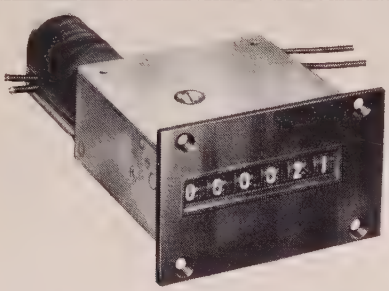
Data Readout Counters

Each wheel has ten-position switching mechanism for transmitting counter readings electrically. Actuated mechanically or electrically.



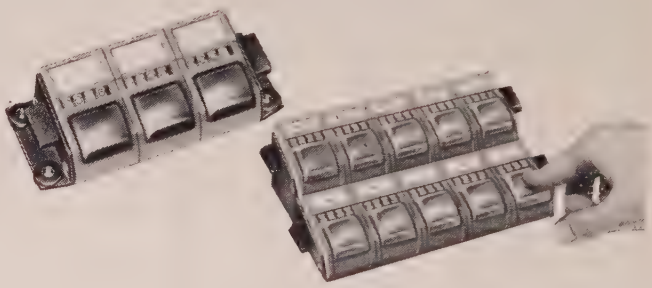
General-Purpose Counters

A complete square case line for light duty counting where small size is required. Available as direct drive, revolution, ratchet, rotary ratchet and geared counter.



Magnetic Counters

For remote indication. Actuated electrically by variety of switches or photocells. High speed, quick reset model features 3000 cpm, small panel area.



Vary-Tally

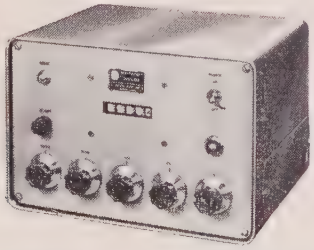
Multiple unit reset counter for more accurate tallying. Ideal for quality control, production control, piece work, and analysis work. Available in strips and tiers.

Count/Paks

Complete packages for high speed, non-contact counting. Pulse stretching circuit for counting small objects. Photohead designed for specific applications.

Miniature Precision Counters

Complete line of specialized counters and readout devices for military, aircraft and missile instrumentation. Precision gearing and complete "systems" available.



Electronic Countrols

Predetermining Counters provide automatic control of machine operations, with single stop motion or series of sequential stop motions. Count electrical impulses, speed to 5000 counts per second.

Send for catalog information and data sheets on the complete line of Veeder-Root Counters.

Veeder-Root

HARTFORD 2, CONNECTICUT

"The Name that Counts"

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Seattle • St. Louis • Greenville, S. C. • Altoona, Pa. • Montreal
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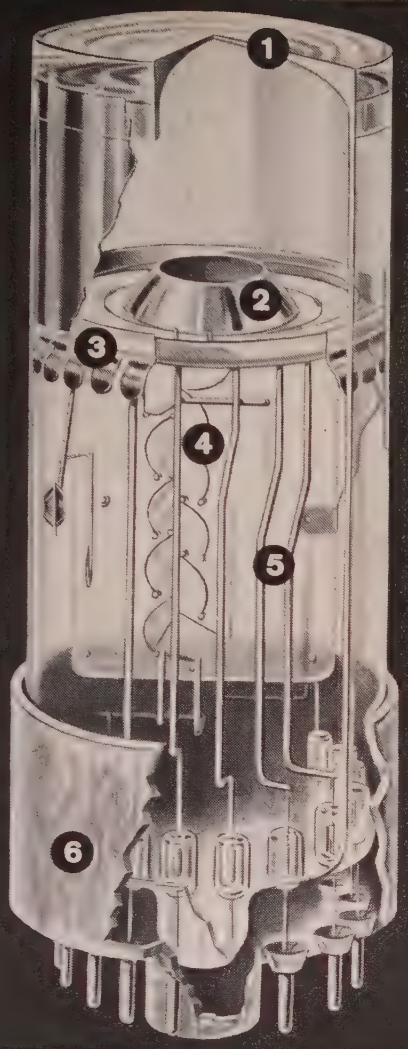
VR 0-50



1. PLANO-CONCAVE FACEPLATE
supports spherically shaped cathode for optimum photoelectron collection.

2. DOMED SHIELD
matches curvature of cathode for spherically symmetrical electrostatic field.

3. INCONEL SPRING SUPPORT
assures increased resistance to shock and vibration.

4. LINEAR DYNODE STRUCTURE
is specially designed for fast time response.

5. STURDY LEAD WIRES
result in rugged construction.

6. INTERCHANGEABLE DESIGN
can be substituted directly for many existing photomultiplier types.

NEW PHOTOMULTIPLIERS FROM CBS LABORATORIES

CBS LABORATORIES new line of photomultipliers are specially designed for counting or scanning applications.

Unique photocathode geometry and improved linear dynode structure are combined to provide excellent uniformity of response across the face of the tube and extremely short transit time spread.

The rugged photomultipliers made by CBS LABORATORIES are available as illustrated above in 2″, 3″ and 5″ diameter cathodes with visible (S-11) or infra-red (S-1) response and 10 stages of multiplication; or with quartz windows in 2″ and 3″ diameters with ultra-violet response (S-13, Rb_2 Te or Cs_2 Te cathodes). Special modifications or entirely new structures can be developed to order.

For technical bulletins describing specific tube types, write to CBS LABORATORIES, Electron Tube Department.

CBS LABORATORIES HIGH RIDGE ROAD, STAMFORD, CONNECTICUT
A DIVISION OF COLUMBIA BROADCASTING SYSTEM, INC.

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- Light gauge foil for paper-and film-wound capacitors of all types. Three famous foils for your selection—ELECTRO-DRY®—SILWYND®—SLIKWYND®.
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RESEARCH AND DEVELOPMENT at Republic, recognizing the technical requirements of the electronics field, has enabled production of superior foils and new advanced test methods.

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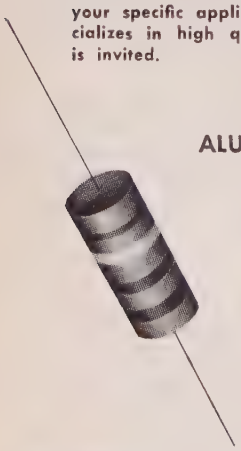
WORLD'S FINEST CAPACITOR FOIL custom-made for your machines, for your specific applications. Offering full technical service, Republic specializes in high quality foil for the electronics industry. Your inquiry is invited.



ALUMINUM FOIL IN ROLLS SPECIFICATION INDEX

Gage in Inches	Yield in Sq. In. Per Pound	Gage in Inches	Yield in Sq. In. Per Pound
.00017	60,300	.00080	12,800
.00020	51,300	.00090	11,400
.00023	44,600	.0010	10,250
.00025	41,000	.0015	6,830
.00030	34,200	.0020	5,130
.00035	29,300	.0025	4,100
.00040	25,600	.0030	3,420
.00045	22,800	.0035	2,930
.00050	20,500	.0040	2,560
.00065	15,800	.0050	2,050
.00070	14,600		

All commercial widths available from 1/4" mounted on standard metal cores.

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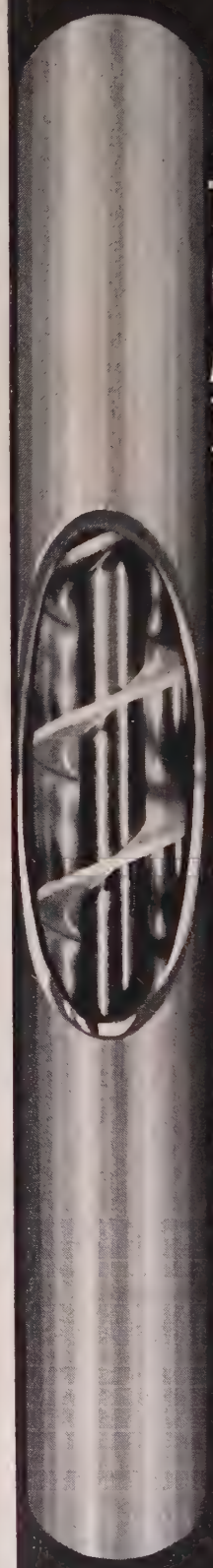
BRANCH SALES OFFICES: 5306 West Lawrence Ave., Chicago 30, Ill.
VAN D. CLOTHIER, INC. 1025 E. 16th St., Los Angeles, Calif.



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SEMI-FLEXIBLE ALUMINUM SHEATHED HELICAL MEMBRANE COAXIAL CABLE

Low attenuation and VSWR...

High efficiency and power handling capacity...

Specifically designed for all RF uses...

50 ohm and 75 ohm characteristic impedances...

Inner copper conductor separated from an aluminum outer sheath by a helical polyethylene membrane...

½ inch to 3⅛ inch diameter...

Bare aluminum sheath or vinyl protective sheath over the aluminum...

Complete Range of matched fittings...

Warehouse facilities on the East and West coast for immediate delivery...

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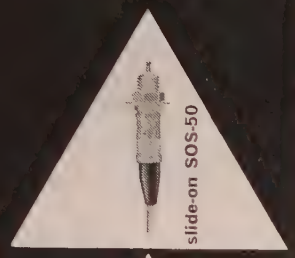
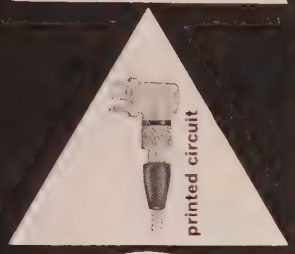
TELCON, INC.

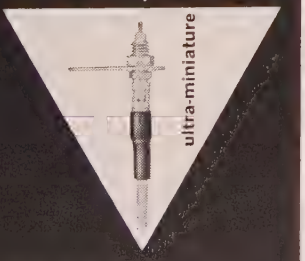
PACIFIC PALISADES, CALIFORNIA

QUALITY CABLES AND FITTINGS SINCE 1864

MICRODOT micro-miniature cables connectors assemblies







* illustrations half actual size • prices subject to change without notice

catalogues & technical bulletins available on request

220 PASADENA AVENUE
SOUTH PASADENA, CALIF.

typical coaxial connectors

50 ohm connectors	screw "S-50" series	price @ 1-24 qty.	quick connect "QC-50" series	price @ 1-24 qty.	slide-on "SOS-50" series	price @ 1-24 qty.
straight cable plug(1)	32-23	$1.50	32-30	$1.50	32-55	$1.50
right angle plug(2)	32-15	3.00	32-26	3.00	32-63	3.00
cable jack(1)	31-34	2.00	31-38	2.00	31-53	2.00
bulkhead jack(1)	31-33	2.50	XX	XX	31-54	2.50
bulkhead receptacle	31-50	1.80	31-57	1.80	31-49	1.80
hermetic seal receptacle	51-49	3.50	XX	XX	51-158	3.50
printed circuit receptacle	31-59	1.80	XX	XX	31-60	1.80
BNC adapter	33-101	3.00	33-93	8.25	33-81	4.50

70 ohm connectors	screw "S-70" series	price @ 1-24 qty.	quick connect "QC-70" series	price @ 1-24 qty.	slide-on "SOS-50" series	price @ 1-24 qty.
straight cable plug(1)	32-67	$1.50	32-16	$1.50	32-60	$1.50
right angle plug(2)	32-13	3.00	32-27	3.00	32-62	3.00
cable jack(1)	31-90	2.00	31-39	2.00	31-95	2.00
bulkhead jack(1)	31-91	2.70	XX	XX	31-96	2.50
bulkhead receptacle	31-51	1.80	XX	XX	31-49	1.80
hermetic seal receptacle	XX	XX	XX	XX	51-158	3.50
printed circuit receptacle	31-69	1.80	XX	XX	31-60	1.80
BNC adapter	33-105	3.00	33-93	8.25	33-81	4.50

93 ohm connectors	screw "S-93" series	price @ 1-24 qty.	slide-on "SOS-93" series	price @ 1-24 qty.
straight cable plug(1)	32-66	$3.50	32-84	$1.50
right angle plug(2)	32-68	3.00	32-83	3.00
cable jack(1)	31-88	3.25	31-63	2.00
bulkhead jack(1)	31-89	2.50	31-94	2.50
bulkhead receptacle	31-52	1.80	31-49	1.80
hermetic seal receptacle	51-56	3.50	51-158	3.50
printed circuit receptacle	31-67	1.80	31-60	1.80
BNC adapter	33-109	3.00	33-81	4.50

(1) Factory assembly — 45¢ each • Field assembly instructions: Tech. Bull. 48
(2) Factory assembly — 90¢ each • Field assembly instructions: Tech. Bull. 45

ultra-miniature connectors

connector type	screw type	price @ 1-24 qty.	slide-on type	price @ 1-24 qty.
receptacle	61-01	$3.20	61-02	$3.40
jack	61-03	2.20	XX	XX
hermetic seal receptacle	61-05	4.70	XX	XX
plug	62-01	2.40	62-02	2.20
right angle plug	62-06	3.70	XX	XX

typical coaxial cables

cable number	price per foot 1-99'	suggested temperature range (°F)	characteristic impedance (ohms)	capacitance (mmf/ft)	attenuation 400 mc. (db/ft)	o.d. (inch)
50-3804 "Mini-noise"	30¢	−40 +165	54	28	.30	.088
50-3902	18¢	−40 +240	50	28	.25	.067
50-3920	41¢	−100 +450	50	28	.29	.080
70-3902	22¢	−40 +240	70	20	.20	.088
75-3920	56¢	−100 +450	75	20	.20	.110
93-3902	41¢	−40 +240	93	15	.20	.130
93-3913	19¢	−40 +165	93	12	.25	.132
95-3920	83¢	−100 +450	95	15	.17	.155

(not covered by, but designed towards MIL. C-3608)

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Worth 6-0790.

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Rogers Electronic Tubes & Components
116 Vanderhoof Avenue, Toronto 17, Ontario.
Hudson 5-8621.

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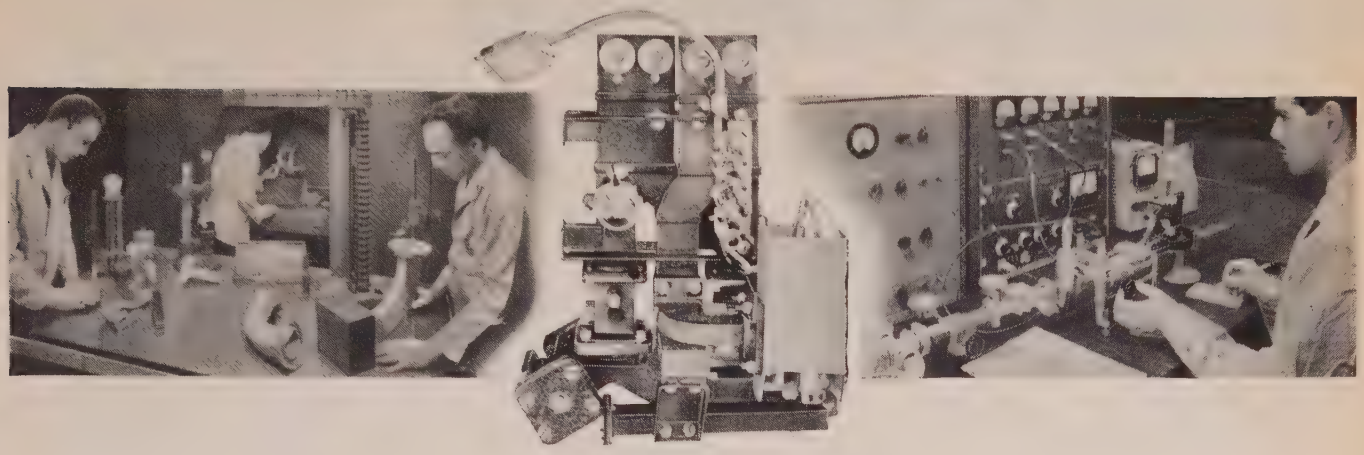
MULLARD OVERSEAS LTD., MULLARD HOUSE, TORRINGTON PLACE, LONDON, ENGLAND

MEV103

For every waveguide application

BUDD-STANLEY



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- Oxygen Free Copper
- Brass

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- Circular to Rectangular
- Coax to Waveguide
- Flange to Flange
- Ridged to Rectangular
- Waveguide—Choke to Choke

Amplitude Modulators

AFC Circuits
- AFC Crystal Holders
- AFC Mixers

Antenna & Feeds
- Coax
- Dipoles
- Feed Systems
- Horns
- Linear Arrays
- Mohopulse Horns
- Pipeorgan Scanners
- Waveguides

Attenuators
- Coaxial Calibrated
- Coaxial Fixed
- Coaxial Variable
- Waveguide Calibrated
- Waveguide Fixed
- Waveguide Variable

Cavities
- Echo Boxes
- Filters
- Oscillators
- Wavemeters

Crystal Holders
- AFC
- Beacon
- Coax—Fixed
- Coax—Tunable
- Waveguide Fixed
- Waveguide Tunable

Delay Lines

Directional Couplers
- Berthe Hole
- Branching Circuit
- Coax
- Crossguide
- Schwinger
- Sidearm
- Waveguide

Discriminator Circuits

Duplexers
- Branched
- Hybrid
- Tubeless

Filters
- Cavity
- Coax
- Waveguide

Hybrid Junctions
- Coaxial
- Waveguide

Junctions
- Coax
- Magic Tees
- Series Tees
- Shunt Tees
- Waveguide

Magnetron Couplers
- Coax
- Waveguide
- Waveguide to Coax

Mixer—Duplexer

Mixers
- AFC
- Balanced
- Beacon
- Coax
- Hybrid
- Magic Tee
- Monopulse
- Radar
- Single Crystal
- Waveguide

Mounts
- Bolometer
- Coax
- Crystal
- Thermistor
- Waveguide

Movable Joints
- Coax
- Nutating
- Oscillating
- Rotary
- Waveguide

Phase Shifters

Power Monitors

Shutters
- Coax
- Waveguide

Switches
- Waveguide

Terminations
- Coax
- Low Power
- Tunable
- Waveguide

Transmission Line
- Bends
- Coax
- Miters
- Straights
- Twists
- Waveguides

Tube Mounts
- ATR
- Klystron
- Local Oscillator
- TR

Tuners
- Coax
- Slug
- Stub
- Waveguide

Waveguide
- Rectangular
- Flexible
- Ridged
- Rigid

BUDD-STANLEY CO.
43-01 22nd St.
Long Island City 1, N.Y.

VITROHM RESISTORS

STOCK RESISTORS

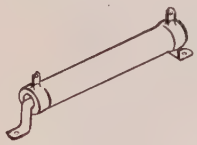
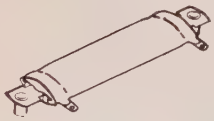
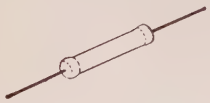
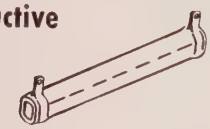
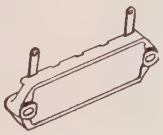
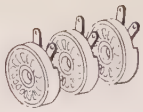
Ward Leonard offers the largest selection of stock resistor types and sizes. Seven distinct stock resistor types are available for immediate shipment from the plant or your local *A.I.D*istributor. Resistors ranging from 2 to 200 watts and with resistance values from 1 to 250,000 ohms are designed to meet a multitude of needs and applications. The secret of Ward Leonard Vitrohm Resistor dependability, accuracy and consistency lies in the balanced design of every component in each resistor.

CATALOG 15

Hard covered 64 page "CATALOG No. 15" on our complete line of stock and made-to-order resistors and resistor parts available. Illustrated with complete information, it contains ratings, graphs, dimensional drawings and tables. Write for one today.

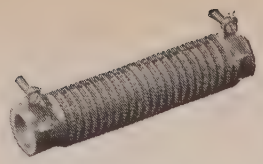
MADE-TO-ORDER RESISTORS

Made-to-order Vitrohm resistors furnish prompt, economical answers to special resistor needs. We manufacture and hold in reserve an unprecedented quantity of basic ceramic cores. The cores, together with highest quality resistance wire, and a wide variety of terminals, mountings and enclosures are ready for immediate assembly to numerous combinations to customer's specifications. Ratings range from 2 to 550 watts and resistance values from 0.04 to 1,750,000 ohms. CATALOG 15.

type	application	watt ratings	resistance values (in ohms)
fixed 	General usage for voltage dropping, current limiting, etc. Electronic and industrial apparatus such as communication, instrument, motor control, appliance, transportation and similar equipment. Available in tapped and multi-section forms.	5 to 200	1 to 250,000
adjustable	Circuits requiring adjustability. Voltage dividing or regulating purposes in control equipment, rectifiers, voltage and speed regulators, etc.	10 to 200	1 to 150,000
stripohm 	Equipment where space saving is a limiting design factor. Aviation, communication and navigation equipment. Available in fixed, adjustable, tapped and multi-section forms.	20 to 75	1 to 65,000
axiohm 	Apparatus requiring quick, easy installation of resistors and where space is limited. Radio and electronic equipment, communication, instrument and similar apparatus requiring miniature power resistors.	2 to 10	1 to 50,000
non-inductive 	High frequency circuits where tubular resistors with low values of inductance and distributed capacitance are required. Radio and other electronic apparatus such as therapeutic, transmitter, telephone, etc.	35 to 160	1 to 1,000
plaqohm 	Where a compact power resistor having low values of inductance and distributed capacitance is required. High frequency electronic equipment including laboratory test, induction heating, transmitter, etc. Available in fixed and tapped forms.	25 to 150	1 to 10,000
discohm 	On equipments where a miniature power resistor with low values of inductance and distributed capacitance is needed. High frequency electronic circuits in diathermy, carrier telephone and similar equipment.	24	1 to 4,000

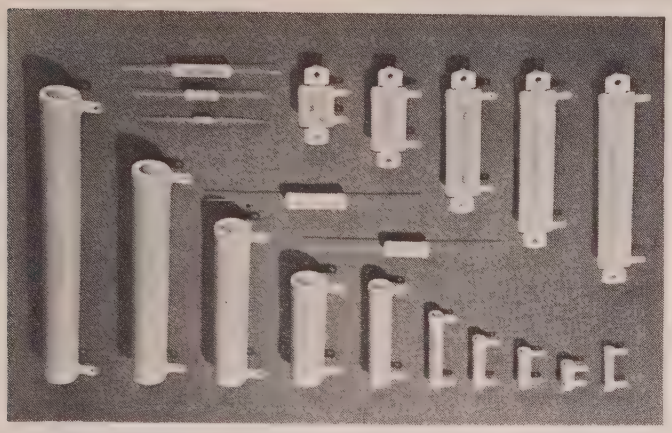
Available from Stock — See your local Authorized Industrial Distributor

RIBFLEX



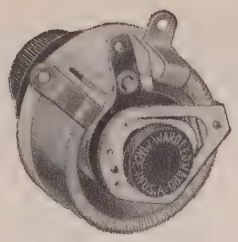
Ribflex resistors consist of a metal alloy resistance ribbon, reflexed, wound on edge on a ceramic core and held in place with vitreous enamel. Available in fixed, adjustable, tapped and multi-section forms. Used for intermittent and continuous-duty circuits where high wattage must be dissipated in a relatively small space such as in industrial motor controls, load banks, etc. CATALOG 15.

MIL RESISTORS

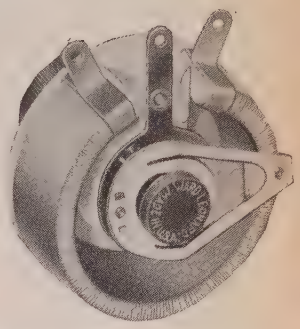


Ward Leonard manufactures a full line of Vitrohm resistors designed to meet the requirements of specifications MIL-R-26C and MIL-R-15109. The MIL-R-26C resistors, applied in electronic and electrically operated Military equipment, must successfully withstand a series of severe tests including thermal shock, humidity, electrolysis, momentary overload, etc. MIL-R-15109 resistors with suitable mountings are designed for HI-shock applications. BULLETIN 12.

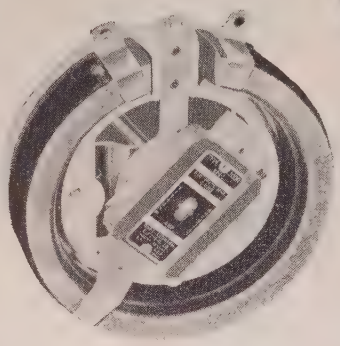
RING RHEOSTATS



25 WATT



50 WATT



300 WATT

watt rating	ring dia. (in inches)	resistance values (in ohms)	
		min.	max.
25	1 1/16	1	5,000
50	2 5/16	1	10,000
100	3 5/32	1	10,000
150	4	1	10,000
300	6	1	2,500

OTHER PRODUCTS BY W/L

MAGNETIC RELAYS

A complete line of a.c. and d.c. magnetically operated relays. Six basic stock types plus countless special purpose varieties. Send for RELAY CATALOG.

MAGNETIC CONTACTORS AC OR DC

A complete line of unit-insulated AC and DC solenoid contactors for main line switching, reversal or acceleration. All parts completely accessible. NEMA Sizes 00 to 5. A.C. BULLETIN 4450, D.C. BULLETIN 1950.

LOAD BANKS

For artificial loading applications to 70 KW Ward Leonard offers a full line of convection cooled load banks. Standardized frameworks accommodate Ribflex or Barohm resistors. Send for BULLETIN 39.

MAGNETIC STARTERS

Manual-magnetic-non-reversing for use with single phase motors and polyphase squirrel cage induction motors. BULLETIN 3151—Manual, NEMA Sizes 0 and 1, BULLETIN 4110—Magnetic, to NEMA Size 5.

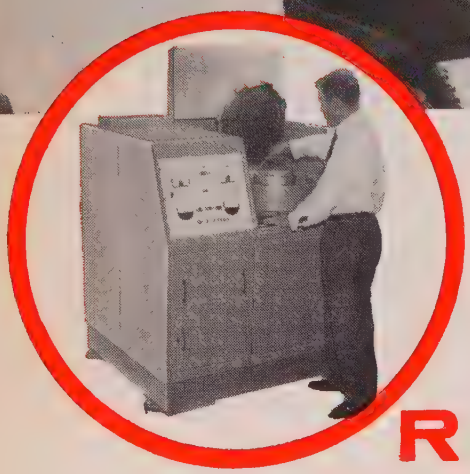
PUSH BUTTON STATIONS

Wide selection of standard and heavy duty pushbutton stations for surface or flush mounting. Enclosures for watertight and dust-tight pilot circuit applications. BULLETIN 2901.

WARD LEONARD ELECTRIC CO.

23 SOUTH STREET • MOUNT VERNON • NEW YORK

Result—Engineered Controls Since 1892



fastest, most sensitive, economical way to **DETECT "LEAKERS"** *in hermetically sealed components*

RADIFLO

Leading manufacturers of hermetically sealed components have installed RADIFLO and proven it to be the most sensitive, fastest and economical method of leak detection available for mass production.

100 TIMES MORE SENSITIVE—Components can be tested as high as 10^{-12} cc/sec. Super-sensitive RADIFLO reveals microscopic imperfections often undetected by less critical test methods.

TESTS NON-DESTRUCTIVELY—Rejected components need not be scrapped. The RADIFLO test method allows less-than-perfect components to be used in non-critical applications.

CAN BE PROGRAMMED AND AUTOMATED—Automatic programming feature permits modern automated mass production inspection of entire output, with immense savings in production time and labor.

ELIMINATES HUMAN ERROR—Components under test by RADIFLO are subjected to inert, radioactive gas, under pressure. During a "soaking" time the gas is forced into all existing leaks in the units. Then an air wash removes radioactive material from external surfaces. Each component is then placed in a scintillation counter for "go-no-go" inspection. A pre-selected acceptance leak rate allows non-technical workers to perform the test without error.

These leading manufacturers are among the many RADIFLO users:

SYLVANIA ELECTRIC PRODUCTS, INC.
GENERAL ELECTRIC COMPANY
Syracuse, N.Y. and Waynesboro, Va.
BULOVA WATCH COMPANY
HUGHES AIRCRAFT COMPANY
Tucson, Ariz. and Middletown, Pa.
WESTERN ELECTRIC COMPANY
ELGIN NATIONAL WATCH COMPANY
NIPPON ELECTRIC COMPANY
U. S. ARMY ORDNANCE, Frankford Arsenal
EITEL-McCULLOCH, INC.
U. S. ARMY CHEMICAL CORPS,
Research and Development Command
POTTER & BRUMFIELD, INC.
FAIRCHILD SEMICONDUCTOR CORP.
ALLEN-BRADLEY COMPANY
ARMY BALLISTIC MISSILE AGENCY

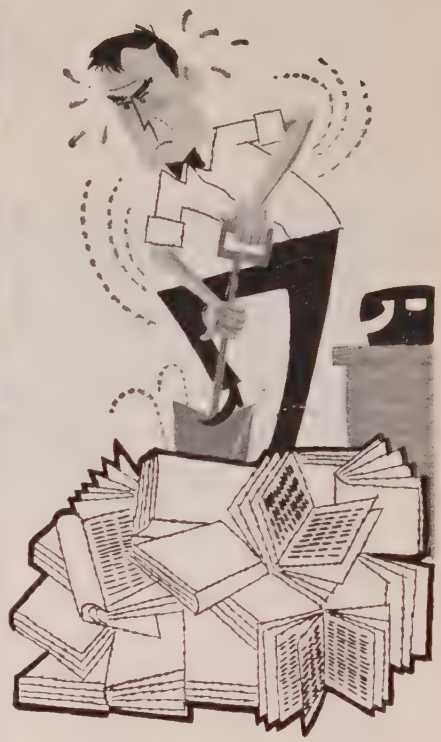
Let us help with your component leak problems. Write for complete details of automatic RADIFLO testing equipment. Manufacturers with limited production volume will be interested in RADIFLO TESTING SERVICE—now available at low cost on the east and west coasts.

AMERICAN ELECTRONICS, INC.

NUCLEAR DIVISION

9459 WEST JEFFERSON BLVD., CULVER CITY, CALIFORNIA • UPTON 0-4707

DIGGING FOR IDEAS?

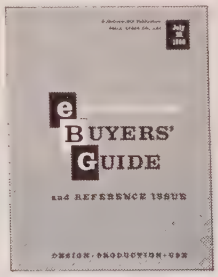


If you're buying electronic equipment and components the best place to look is where the selection is the largest. Maybe there's a product or service you don't know about that will *solve* your problem.

The BUYERS' GUIDE is packed with ideas and facts that give you a better basis of buying judgment.

From accurate, up-to-date facts on current designs, materials and markets to detailed catalog information on new product types—the GUIDE puts you in a strong position to make the best buying choice for yourself and your company.

And there are the names and addresses of 4,000 manufacturers and their local offices so you can make *your* move most easily. O.8A



FIND WHAT YOU NEED IN THE **electronics BUYERS' GUIDE**

PRECISION ELECTRONIC EQUIPMENT

PHASE METER

A PRECISION PHASE MEASURING INSTRUMENT

PHAZOR

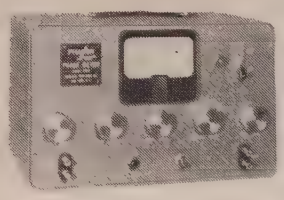
NULL METER

A PHASE SENSITIVE NULL DETECTOR

The operation of these instruments is based upon a newly developed multiplying device. When S and R represent the input and reference signals the meter deflection is equal to

$$\frac{1}{T}\int_0^T S \cdot R \, dt$$

MODEL 200A



$399.00

APPLICATIONS: Measures phase shift in transformers, amplifiers, etc. • Readings not affected by noise and harmonics • Measures in-phase or quadrature voltage components • .01 degree can be measured employing special techniques.

SPECIFICATIONS

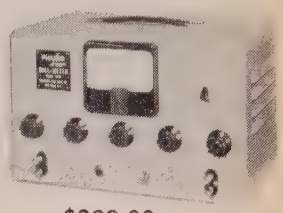
ACCURACY ..... ±2 degrees
FREQUENCY ..... 20 CPS to 20 KC

APPLICATIONS: A sensitive null meter for use in conjunction with bridge circuits • Simplified and precise zeroing of synchro devices • Nulling wherever null voltages may be complicated by noise and harmonics.

SPECIFICATIONS

SENSITIVITY . 6 millivolts off-scale defl.
FREQUENCY .. 30 CPS—10 KC
SELECTIVITY . 40 DB down on all noise and harmonics

MODEL 100A



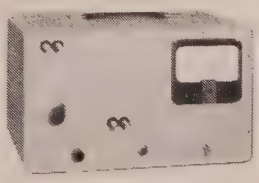
$299.00

OTHER MODELS AVAILABLE

IMPEDANCE COMPARATORS

PRECISE, RELIABLE AND RAPID COMPARISON OF COMPONENTS

MODEL 60



$199.00

The circuit consists of a bridge, two arms of which are precision resistors matched to .01%. The two remaining arms are the standard and the component under test. Any voltage resulting from bridge unbalance is amplified and fed to a phase discriminator. The percentage deviation is read directly in both sign and magnitude on a meter.

FEATURES: High Accuracy • Overall Voltage Regulation • High Stability • Rapid Response

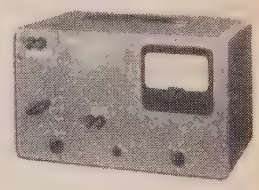
SPECIFICATIONS

FREQUENCY ..... 60 CPS
FULL SCALE RANGES .... ±1%, 5%, 10%, 20%
IMPEDANCE LIMITS:
Resistance ..... 5 ohms to 5 megohms
Capacitance ..... 500 mmfd. to 500 mfd.
Inductance ..... 15 milihy to 10,000 hy

SPECIFICATIONS

FREQUENCY ..... Either 1 KC or 10 KC
FULL SCALE RANGES .. ±5%, 10%, 20%
IMPEDANCE LIMITS:
Resistance ..... 5 ohms to 5 megohms
Capacitance ..... 50 mmfd. to 10 mfd.
Inductance ..... 100 microhy to 100 hy

MODEL 1010



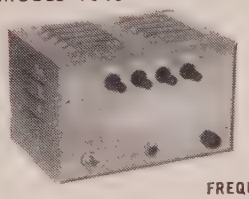
$329.00

OTHER MODELS AVAILABLE

MODEL 1000 — 1000 CPS — ±1%, 5%, 10% — $365.00

PRECISION POWER OSCILLATORS

MODEL 1040



$129.00

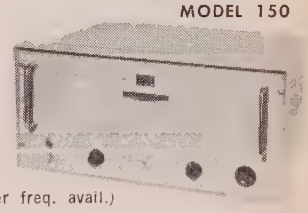
DESCRIPTION: These oscillators employ precision wire wound resistors and mica condensers in the frequency determining networks. The use of liberal inverse feedback plus low temperature coefficient elements have produced a highly stable oscillator. Three impedance taps are provided on the output transformer with the highest tap point capable of delivering 120 volts.

SPECIFICATIONS

FREQUENCY ..... 400 or 1000 CPS (Other Freq. Avail.)
DISTORTION ..... Less Than 1%
OUTPUT POWER ..... Three watts

Powertron ELECTRONIC GENERATORS

MODEL 150



$525.00

DESCRIPTION: Model 150 contains an R.C. oscillator stage capable of operation at a fixed or variable frequency. The output power amplifier may be driven either from the internal oscillator or an external source. Inverse feedback provides low distortion and affords excellent regulation for resistive or reactive loads.

SPECIFICATIONS

POWER OUTPUT ..... 160 VA.
FIXED FREQUENCY ..... 400 C.P.S. (other freq. avail.)
VARIABLE FREQUENCY .. 350-450 C.P.S.
EXTERNAL FREQUENCY .. 50-4000 C.P.S.

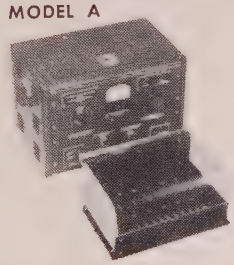
OTHER MODELS AVAILABLE

MODEL 1040A — 8 WATTS — $199.00
MODEL 1500 — 15 WATTS — $299.00
MODEL 250—250 VA—$750.00
MODEL 750—750 VA—$1600.00

2Ø AND 3Ø UNITS AVAILABLE

AUTOMATIC HI-POT TESTER

MODEL A



$2400.00

FAST, ACCURATE, DIELECTRIC TESTING FOR MULTI-CONDUCTOR DEVICES

DESCRIPTION: The function of this instrument is to apply a known voltage between the various conductors under test for a specific period of time and to indicate breakdowns when and where they occur. High sensitivity to breakdown is provided by a specially designed relay in series with the high voltage.

SPECIFICATIONS

TEST VOLTAGE ..... 0-2000 Volts RMS
TEST TIME ..... 2-120 seconds
NUMBER OF TEST TERMINALS 11

FREQUENCY STANDARD

A SELF-CONTAINED FORK STABILIZED FREQUENCY SOURCE

MODEL 1400

$275.00

• Accurate • Stable • Low Distortion • Variable output voltage • Compact

SPECIFICATIONS

ACCURACY ..... Available to .005%
DISTORTION ..... Less Than 1%
FREQUENCY ..... 400 CPS or 1000 CPS (Other Freq. Avail.)
Dimension ..... 6x9x6 inches
Power Supply ..... 115 volts, 60 CPS

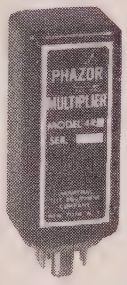
OTHER MODELS AVAILABLE

MODEL 600
LOW FREQUENCY STANDARD

DESCRIPTION: Utilizes scaling circuits to provide tuning fork accuracies at frequencies below the range of precision tuning forks.

MULTIPLIER

MODEL 4R2



A TRUE FOUR QUADRANT MULTIPLIER HAVING A WIDE FREQUENCY RESPONSE

The Multiplier is furnished in a container approximately 1⅜"x1⅜"x4" with a standard octal plug.

SPECIFICATIONS

FREQUENCY RANGE ... D.C. to 500 KC
WEIGHT ..... Approximately 5 oz.

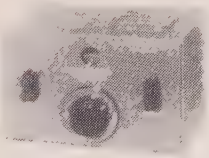
$99.50

PHASE SHIFTER

MODELS PS 60 and PS 400

For measurement and comparison of phase angles or as a secondary phase standard.

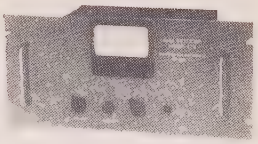
$350.00



RANGE ..... 0-360° (continuously variable)
ACCURACY ..... ± 1 degree (Higher accuracies available)
FREQUENCY ..... 60 CPS for PS 60
400 CPS for PS 400
(other frequencies available)

NULL DETECTOR

MODEL 60B $495.00



A sensitive battery operated null detector ideal for shering bridges or other applications where complete isolation from power lines is desirable.

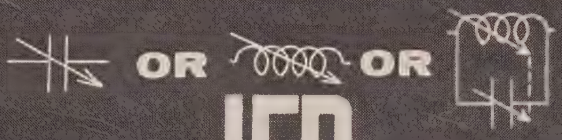
• Long Battery Life • High Harmonic Rejection • Shielded against external fields

SENSITIVITY: 1 microvolt for 1% deflection

ITECO

INDUSTRIAL TEST EQUIPMENT CO. • 55 EAST 11th ST., NEW YORK 3, N. Y.

WHEN THE CIRCUIT CALLS FOR



SPECIFY JFD AND SEE!

VC1G

VC9GW

VARIABLE TRIMMER AND L-C TUNER COMPARISON CHART

MODEL	CAPACITANCE RANGE MMF MEASURED PER JFD #5177		D.C. WORKING VOLTS	DIELECTRIC STRENGTH MEASURED FOR 5 SECONDS AT 50% R.H. AT MAX. RATED CAP.	INSULATION RESISTANCE MEASURED AFTER ONE MINUTE AT 500 V.D.C. AND 50% R.H.	Q FACTOR MEASURED PER JFD #5178	TEMPERATURE COEFFICENT OF CAPACITANCE MEASURED AT 0.1 MC. P.P.M./°C 25° to 125°C	MATERIAL (DIELECTRIC-PISTON)	LENGTH (FRONT OF PANEL)
	MIN.	MAX.							
STANDARD PANEL MOUNT SERIES									
VC1G	0.7	9.0	1500	2500 VDC	10^{11} Meg. Min.	500	—60 to +10	GLASS - INVAR	21/32
VC3G	0.7	9.0	1500	"	"	650	+350 to +500	GLASS - BRASS	21/32
VC3GI	0.7	9.0	"	"	"	650	+0 to —150	GLASS - INVAR	21/32
VC4G	0.8	18.0	1000	1500	"	500	+350 to +450	GLASS - BRASS	1
VC5G	0.8	18.0	"	"	"	500	—20 to +40	GLASS - INVAR	1
VC6GA	0.7	17.0	"	"	"	750	+400 to +600	GLASS - BRASS	1-1/32
VC6GC	0.8	17.0	"	"	"	650	—100 to +100	GLASS - INVAR	1-1/32
VC6GI	0.8	17.0	"	"	"	600	—100 to +100		1-1/32
VC7G	2.0	30.0	"	"	"	600	—100 to +100	"	1-5/8
VC11G	0.6	14.0	"	"	"	500	—30 to +40	"	1
VC11GRA	0.6	14.0	"	"	"	"	—40 to +50	"	1
VC11GRB	0.6	14.0	"	"	"	"	+450 to +600	GLASS - BRASS	1
VC11GRC	0.8	18.0	"	"	"		+20 to +100	GLASS - INVAR	1
VC13GA	0.8	13.0	3000	5000	"		+225 to +375	GLASS - PH. BRONZE	1-1/4
VC30G	0.8	30.0	1000	1500	"	"	—10 to +50	GLASS - INVAR	1-19/32
VC50C	5.0	50.0	1250	2500	10^{11} MEG. MIN.	450	+250 to +450	CERAMIC PHOSP. BRONZE	1
VC60G	3.0	46.0	1000	1500	10^{6} MEG. MIN.	200	—40 to +40	GLASS - INVAR	2-9/16
VC2	0.7	4.5	"	"	"	2000	APPROX. ZERO	QUARTZ - INVAR	7/16
VC5	0.6	6.0	"	"	"	"	"	"	5/8
VC11	0.8	10.0	"	"	"	"	"	"	1
VC11A	1.0	10.0	"	2000	"	"	"	"	1-1/32
VC12	9.0	21.0	"	1500	"	"	"	"	1-19/32
VC99	0.8	10.0	3000	5000	"	"	"	"	1-7/32
MINIATURE SERIES									
VC20G	0.8	8.5	1000	1500 VDC	10^{6} Megohms Min.	500	± 50	GLASS - INVAR	9/16
VC21G	0.8	4.5	"	"	"	"	"	"	5/16
VC22G	0.7	12	"	"	"	"	± 75	"	49/64
VC23G	0.8	18	"	"	"	"	± 100	"	1
VC24G	1.0	30		"	"	"	"	"	1-5/8
VC9G, VC9GW	0.8	8.5	1000	1500 VDC	"	"	± 50	"	9/16
VC10G, VC10GW	0.8	4.5	"	"	"	"	"	"	21/64
VC31G, VC31GW	0.8	12.0	"	"	"	"	± 75	"	3/4
VC32G, VC32GW	0.8	18.0	"	"	"	"	± 100	"	1-1/32
VC42G & VC42GW	1.0	21.0	"	"	"	"	"	"	1-1/8
VC43G, VC43GW	0.8	30.0	"	"	"	"	"	"	1-5/8
MQ101, 111 & 121	0.6	1.8	1000	1500 VDC	"	1500	APPROX. ZERO	QUARTZ - INVAR	5/16
MQ103, 113 & 123	0.6	5.5	"	"	"	"	"	"	9/16
MQ106, 116 & 126	0.6	9.5	"	"	"	"	"	"	1
MQ109, 119 & 129	0.8	16.0	"	"	"	"	"	"	1-5/8

U. S. Patent No. 2,922,093

Here is your ready reference to JFD Variable Trimmers and LC Tuners.
Detailed data sheets on any of these components selected from the extensive JFD line are yours for the asking. Our engineering staff is at your service for consultation on your particular application.

Write for samples, specifications and prices or complete file-size catalog.

Whether it is miniature variable trimmer piston capacitors . . . LC Tuners . . . Delay Lines . . . or Pulse Forming Networks . . . it pays to specify JFD Filters, or Diplexers.

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ELECTRONICS CORPORATION

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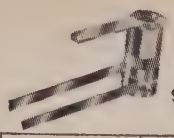
JFD INTERNATIONAL 15 Moore Street, New York, N. Y.

SPS226G



SP206G

VC16G

SC131

MODEL	CAPACITANCE RANGE MMF MEASURED PER JFD #5177 MIN.	MAX.	D.C. WORKING VOLTS	DIELECTRIC STRENGTH MEASURED FOR 5 SECONDS AT 50% R.H. AT MAX. RATED CAP.	INSULATION RESISTANCE MEASURED AFTER ONE MINUTE AT 500 V.D.C. AND 50% R.H.	Q FACTOR MEASURED PER JFD #5178	TEMPERATURE COEFFICENT OF CAPACITANCE MEASURED AT 0.1 MC. P.P.M./°C 25° to 125°C	MATERIAL	LENGTH (FRONT OF PANEL)	
MINIATURE SEALCAP SERIES*										
SC131, 141 & 151	0.8	4.5	750	1500 VDC	$2x10^{11}$ Megohms	500	±50	GLASS - INVAR	13/32	†
SC133, 143 & 153	0.8	8.5	1250	2500 VDC	$10x10^{11}$ Megohms	"	"	"	21/32	†
SC134	0.7	12.0	"	"	"	"	±75	"	7/8	
SC144 & 154	0.8	12.0	"	"	"	"	"	"	1.053	
SC136, 146 & 156	0.8	18.0	"	"	"	"	±100	"	1-3/32	†
SC139	1.0	30.0	"	"	"	"	"	"	1-3/4	
SC149 & 159	0.8	30.0	"	"	"	"	"	"	1.928	
QS171, 181 & 191	0.6	1.8	1000	1500 VDC	$2x10^{11}$ Megohms	1500	APPROX. ZERO	QUARTZ - INVAR	13/32	†
QS173, 183 & 193	0.6	5.5	1250	2500 VDC	$10x10^{11}$ Megohms	"	"	"	21/32	†
QS176, 186 & 196	0.6	9.5	"	"	"	"	"	"	1-3/32	†
QS179, 189 & 199	0.8	16.0	"	"	"	"	"	"	1-3/4	†
STANDARD SPLIT-STATOR PANEL MOUNT SERIES										
VC16G	(A) 0.5 (B) 0.8	5.0 2.5	500	1000 VDC	10^{4} Megohms	700	± 50	GLASS - INVAR	11/16	
VC17G	(A) 0.6 (B) 1.1	8.5 4.5	"	"	"	"	"	"	1-1/32	
VC18G	(A) 0.7 (B) 1.8	14.0 7.5	"	"	"	"	"	"	1-19/32	
VC80	(A) 0.3 (B) 0.4	2.0 1.0	1000	1500 VDC	"	1000	APPROX. ZERO	QUARTZ - INVAR	17/32	
VC81	(A) 0.4 (B) 0.6	3.2 1.6	"	"	"	"	"	"	5/8	
VC82	(A) 0.5 (B) 0.85	5.5 2.8	"	"	"	"	"	"	1-1/32	
VC83	(A) 4.8 (B) 3.0	11.0 6.0	"	"	"	"	"	"	1-9/16	
MINIATURE SPLIT-STATOR SERIES*										
SP86G, 206G & 216G	(A) 0.8 (B) 0.8	4.2 2.0	750	1500 VDC	10^{5} Megohms	500	±50	GLASS - INVAR	17/32	†
SP87G, 207G & 217G	(A) 0.8 (B) 1.5	9.0 4.5	"	"	"	"	±100	"	1	†
SP88G, 208G & 218G	(A) 1.0 (B) 2.0	14.0 7.0	"	"	"	"	"	"	1-19/32	†
MINIATURE SPLIT-STATOR SEALCAP SERIES*										
SPS226G, 236G & 246G	(A) 0.8 (B) 0.8	4.2 2.0	750	1500 VDC	10^{5} Megohms	500	± 50	"	11/16	†
SPS227G, 237G & 247G	(A) 0.8 (B) 1.5	9.0 4.5	"	"	"	"	±100	"	1-1/8	†
SPS228G, 238G & 248G	(A) 1.0 (B) 2.0	14.0 7.0	"	"	"	"	"	"	1-25/32	†
MINIATURE DIFFERENTIAL SERIES*										
VC8GA	(1) 1.0 (2) 2.0	7.5 7.5	500	1000 VDC	10^{6} Megohms	500	—60 to +60	GLASS - INVAR	21/32	
DC401, 411, 421 & 431	(1) 0.7 (2) 2.0	3.0 3.0	"	"	10^{4} Megohms	"	± 100	"	5/16	†
DC403, 413, 423 & 433	(1) 0.8 (2) 2.5	8.0 8.5	"	"	"	"	"	"	35/64	†
DC404, 414, 424 & 434	(1) 0.8 (2) 3.0	12.0 12.0	"	"	"	"	"	"	3/4	†
DC406, 416, 426 & 436	(1) 0.9 (2) 3.0	16.0 16.0	"	"	"	"	"	"	15/16	†
DC409, 419, 429 & 439	(1) 1.0 (2) 4.0	28.0 28.0	"	"	"	"	"	"	1-7/16	†
MINIATURE DIFFERENTIAL SEALCAP SERIES*										
DS441, 451 & 461	(1) 0.7 (2) 2.0	3.0 3.0	500	1000 VDC	10^{5} Megohms	500	±100	GLASS - INVAR	7/16	†
DS443, 453 & 463	(1) 0.8 (2) 2.5	8.0 8.5	"	"	"	"	"	"	43/64	†
DS444, 454 & 464	(1) 0.8 (2) 3.0	12.0 12.0	"	"	"	"	"	"	7/8	†
DS446, 456 & 466	(1) 0.9 (2) 3.0	16.0 16.0	"	"	"	"	"	"	1-1/16	†
DS449, 459 & 469	(1) 1.0 (2) 4.0	28.0 28.0	"	"	"	"	"	"	1-9/16	†
MAX-C SEALCAP SERIES *										
MC601, 611 & 621	1.0	14.0	1000	2000 VDC	10^{11} Megohms	500	±50	GLASS - INVAR	29/64	†
MC603, 613 & 623	1.0	28.0	"	"	"	"	"	"	11/16	†
MC604, 614 & 624	1.0	42.0	"	"	"	"	"	"	29/32	†
MC606, 616 & 626	1.0	60.0	"	"	"	"	"	"	1-5/32	†
MC609, 619 & 629	1.0	90.0	"	"	"	"	"	"	1-3/4	†

LC TUNERS*	SELF-RESONATING FREQUENCY (MC)		NOMINAL INDUCTANCE (MICROHENRIES)		NOMINAL CAPACITANCE (MMF)		Q FACTOR	TEMPERATURE COEFFICENT OF CAPACITANCE	MATERIAL	
LC303, 313, 323 & 333	450 MIN	700 MAX	.0314 MIN	.0357 MAX	1.5 MIN	9.0 MAX	170-200	NOT	GLASS - INVAR	43/64
LC304, 314, 324 & 334	300 "	500 "	.0419 "	.0463 "	1.6 "	12.0 "	150-175	AVAILABLE	"	57/64
LC306, 316, 326 & 336	200 "	450 "	.0631 "	.0680 "	1.9 "	16.7 "	135-170	AT THIS	"	1-9/64
LC309, 319, 329 & 339	125 "	200 "	.0759 "	.0774	4.4	25.7 "	145-155	PRINTING	"	1-47/64

NOTE: (A) PLATE TO BUSHING, (B) PLATE TO PLATE
(1) SECT 1 - LUG TO UPPER BAND
(2) SECT 2 - LUG TO MIDDLE BAND

* MINIATURE SERIES AVAILABLE IN PANEL MOUNT, PRINTED CKT-LUG OR 4 WIRE TYPES.

† LENGTH APPLICABLE FOR PANEL MOUNT TYPES ONLY.

U. S. Patent No. 2,922,093

VC8GA

DC401

DS441

MC601

MC621

LC303

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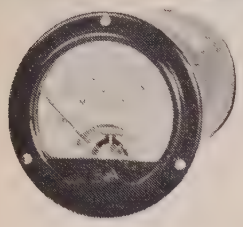
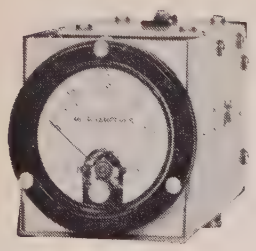
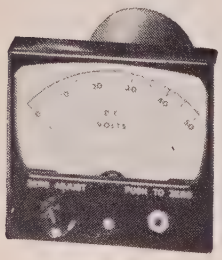
A few things you should know about Metronix Panel-Mounting Electronic Voltmeters ("PMEVs") and the advantages they offer you



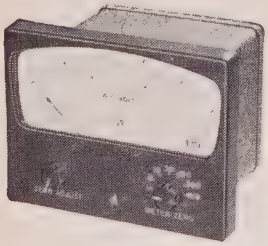
Model 332



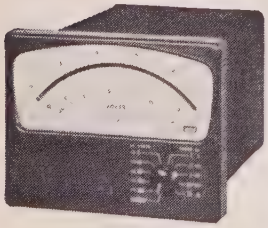
SPD-25



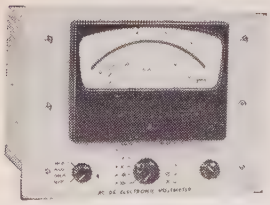
Model 320



Model 300



Model 311



SPD-35

Metronix, Inc., specializes in the design and manufacture of accurate, reliable electronic voltmeters that are expressly intended for panel mounting. They provide sophisticated performance in small packages, especially suitable for continuous monitoring of critical parameters in modern systems. Always connected and ready for action, they pinpoint trouble much faster than cumbersome test lead devices.

Equally important, Metronix PMEVs offer engineers almost limitless flexibility in design because basic models can be easily adapted to special requirements. PMEVs will meet the bulk of all needs for electronic voltmeters in systems work.

MIL-type instruments, in which miniaturization has been pushed to the ultimate, will meet MIL-T-945, MIL-5400-A and MIL-T-21200, respectively. Most commercial models require only the panel space of a meter.

Since Metronix PMEVs can be specified almost as easily as simple components, there's no need to waste valuable engineering time and energy in building your own electronic voltmeters. Prompt Metronix delivery helps manufacturing schedules.

Check the charts below for "off-the-shelf" Metronix PMEVs with specifications you need. If yours is one of those rare cases where custom-built instruments actually are required, please remember that we're specialists in the field. We'd appreciate a crack at your problems.

DC Panel-Mounting Electronic Voltmeters

Model	Commercial	Military	Most Sensitive Range	Multiple or Single Range	Input Resistance	Line Voltage Frequency		Available Accuracy			Meter Size
						60	400	1%	2%	3%	
300	•		0-0.3v	M	10 megohms	•	•	•	•	•	6" x 4½"
300-C	•		0-0.3v	M	10 megohms	•	•	•	•	•	6" x 4½"
301	•		0-0.01v	M	10 megohms	•	•		•	•	6" x 4½"
301-C	•		0-0.01v	M	10 megohms	•	•		•	•	6" x 4½"
320	•		0-0.5v	S	10 megohms	•	•		•		4¼" x 4"
320-C	•		0-0.5v	S	10 megohms	•	•		•		4¼" x 4"
400		•	0-0.5v	S	10 megohms		•		•		2½" round
400-C		•	0-0.5v	S	10 megohms		•		•		2½" round
401		•	0-0.01v	M	10 megohms		•			•	3½" round
401-C		•	0-0.01v	M	10 megohms		•			•	3½" round

AC Panel-Mounting Electronic Voltmeters

Model	Commercial	Military	Multiple or Single Range	Most Sensitive Range	Frequency Range	Input Impedance	Line Voltage Frequency		Available Accuracy			Meter Size
							60	400	1%	2%	3%	
311	•		M	0-0.01v	25 cps to 250 kc	5 megohms	•	•	•	•		6" x 4½"
330	•		S	0-0.01v	20 cps to 100 kc	1 megohm	•			•		4¼" x 4"
331	•		S	0-0.01v	20 cps to 100 kc	1 megohm	•			•		3½" round
332	•		S	0-0.1v	35 cps to 20 kc	1 megohm	•			•		2½" round
411		•	M	0-0.01v	20 cps to 50 kc	5 megohm		•			•	3½" round (panel space is 6 11/16"x4 3/16")
SPD-25		•	S	0-0.03v	30 cps to 100 kc	1 megohm		•		•		2½" round (panel space is 2½" x 2¾")

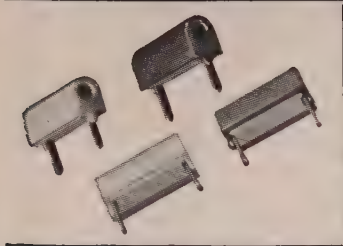
Metronix also manufactures equipment for testing transistors, vacuum tubes and other components in laboratories and incoming inspection.

METRONIX, INC.

a subsidiary of Assembly Products, Inc.

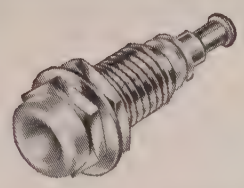
Telephone (Cleveland): HAmilton 3-4440 • Chesterland, Ohio

Ucinite Electrical Assemblies



PRINTED CIRCUIT TEST JACKS

For permanent assembly to ptd. circuit bds. Accessible to std. .080 probes without adaptors. Gold-over-silver berylco contacts . . . color coded nylon bodies.

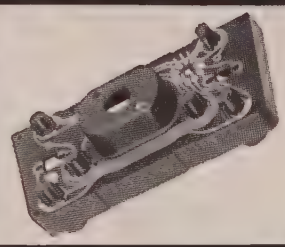


TEST JACKS

Ucinite's quality jack for .080 probes. Beryllium copper contacts. Nylon insulation in colors. Metal shell for firm, dependable mounting. MS16108 types available.

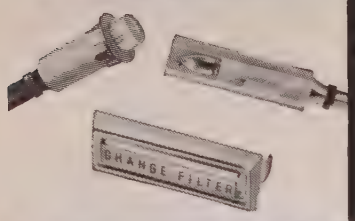
STAMPED CIRCUITS

"Printed circuitry" by a stamping process free of electrolytic contamination. Injection and thermoset molded housings simplify miniaturization of intricate packages and permit complete flexibility of basic raw materials.



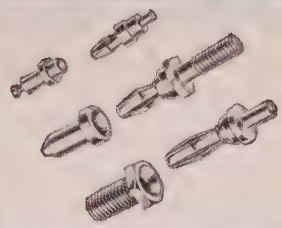
PRINTED CIRCUIT CONNECTORS

Unique torsion-bar contacts, provide consistent performance unaffected by repeated insertions of maximum and minimum tolerance boards. Available in various multiples of contacts.



NEON INDICATOR LIGHTS

Smallest, complete, low-cost, snap-in assemblies available . . . lenses can be molded with facets, lettering, trademarks, etc., in glass or plastic of any color.

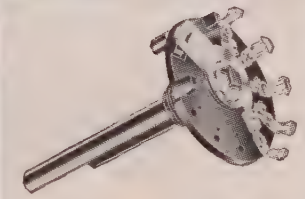


BANANA PINS

Four sizes of plugs with one-piece beryllium-copper springs. Adaptable mounting ends in threaded, staking or solder lug types. Mating jacks also available.

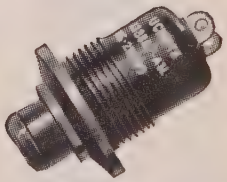
"PK" MOLDED SWITCH

Single wafer rotary switches in rugged, molded construction. Economical, durable. Single pole, two or three position types available.



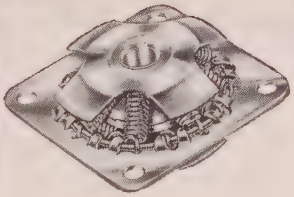
AIRCRAFT SNAP SWITCHES

Precision, momentary contact, push-button types made to MS25089. Small and dependable. Hermetically sealed and other special versions are available.



AIRCRAFT COMMUNICATION PLUGS AND JACKS

4-conductor type made to rigid Mil. Specs . . . U92A/U Jack . . . U93A/U Plug . . . U94A/U Switch-Jack combination.



VIBRATION ISOLATORS

Equiflex (1:1 ratio) metal mounts ensure long life, fit small spaces; can be used in any direction. A range of sizes, cup or plate mountings.

With years of specialized experience in the electronics field and complete facilities for the volume production of small metal stampings as well as the assembly of metal to plastic and ceramic components, Ucinite is fully equipped to supply you with special electrical parts and assemblies . . . designed, assembled, wired and marked to your specifications.

* * *

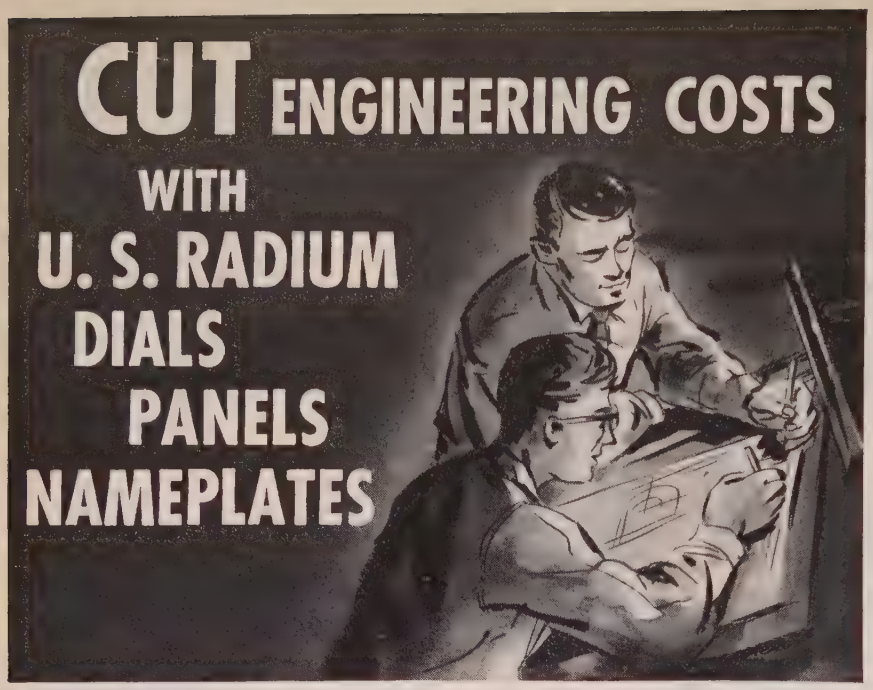
For complete design, engineering and production service, call your nearest Ucinite field engineer.

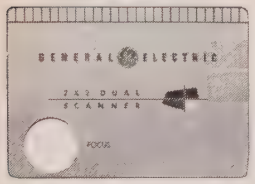
ELECTRICAL DOT ASSEMBLIES

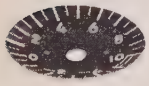
Manufactured by

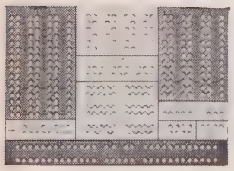
The UCINITE COMPANY

Division of United-Carr Fastener Corp., Newtonville 60, Mass.









Cutting your engineering costs is routine for U. S. RADIUM CORPORATION. As the only company in its field to provide all standard techniques for marking data display parts, USR is in position to recommend the most economical method or combination of methods for fabricating instrument dials, control panels and original equipment nameplates to your requirements.

UNITED STATES RADIUM CORPORATION currently offers both the light transmitting plastics and metals such as aluminum, brass, stainless steel and nickel silver as stock blanking materials. A wide range of colored or luminous durable finishes may be applied to these materials by any of the following processes:

- **Screening**
- **Photo-reproduction in LACKON® finishes**
- **Mechanical engraving**
- **1-up offset**
- **Etching**
- **Lithography**

Each of these processes exhibits its own characteristic advantages in durability, processing speed, flexibility, economy, accuracy and appearance. To expedite handling of your orders, the engineering and development facilities of U. S. RADIUM are at your disposal. Your inquiries are invited. Write Department .C7.

US RADIUM

UNITED STATES RADIUM CORPORATION

MORRISTOWN, N. J. | Offices: Chicago, Illinois and North Hollywood, Calif. Subsidiaries: Radelin Ltd., Port Credit, Ont., Canada and U.S. Radium Corp. (Europe), Geneva, Switzerland.

Electro-Pulse, Inc.

MODULARIZED

Pulse Generators
Electronic Counters

PULSE GENERATORS

Time Delays and Gates

1310A: Sgl channel, rep. rate variable 0.1-1000cps, delay variable 10μs to 10 sec.

2200 Series: 1,2,3, or 4 chan., 1-10,000μs delay from ext. trig. **2300 Series** has 10cps-100kc oscillator.

Single Pulses

3450C: 2cps-2mc rep. rate, 0-10,000μs delay, .05-10,000μs width, .015μs rise, ±50v into 50Ω.

3450CY: Provides 2 simultaneous pulses similar to flip-flop plate outputs. 1.7mc rep rates, widths to 1 sec., 0.2μs rise, ±45v fr. 470Ω.

3450CX: Offers pulse pairs & pulse trains. 1mc rep. rate, pair separation is 0.5μs-1 sec., train separation/duration 0.2μs-1 sec, .015μs rise, ±50v into 50Ω.

4120B: .5cps-500kc rep rate, .05μs-10,000μs delay, 0.1-10,000μs width, .03μs rise, ±35v into 100Ω.

4550A: 100cps-10mc rep. rate, 0-1000μs delay, .05-1000μs width, 0.01μs rise, ±8v into 180Ω.

2120B. Sgl shot-100kc rep. rate, 0-10,000μs delay, .05-10,000μs width, .015μs rise, ±50v into 50Ω.

1410A: 0.1-1000cps rep rate, .01-100ms width, 1μs rise, ±25v from 5000Ω.

Double Pulses

4560A-4565A: 10mc units with 0.01μs rise, delays, widths to 1000μs. Separate outputs ±8v into 180Ω.

2140B: Sgl shot-100kc, 1-10,000μs separation, 0.05-10,000μs width, .015μs rise, ±50v into 50Ω.

Code Groups (PPM)

2130B-2150B: 3-5 outputs, sgl shot-10kc, 0-100μs delays, .04μs rise. Mixed outputs ±50v fr. 93Ω.

EP plug-in modular construction is versatile and highly accessible and permits easy extension of standard instruments to special requirements.

DIGITAL PULSE EQUIPMENT

Single & Double Pulses

5620A, 5621A, 5632A, 5650A: Sync rep rates 1-10,000 clocks, 1 or 2 groups with 3 or 5 pulses ea. .05μs rise times, 5v into 600Ω. Clock periods determined by accessory modules.

Code Groups (PCM)

5630A/C, 5650A/C, 5621A, 5632A: Sync rep rates 1-10,000 clocks, 1 or 2 groups with 3 or 5 pulses ea. Group and pulse delays to 1000 clocks. Clock periods determined by accessory modules.

Word Generators

5500A: Clock rates to 1mc, 1-40 serial bits, 0.1-1000μs output width, 4.5v into 600Ω.

5510A: Same as 5500A, except 1-80 serial bits.

Pulse Trains

5621A. 1 train, **5632A:** 2 trains. Sync rep rate is 1-10,000 clocks, 1-1000 pulses per train, train delays 1-1000 clocks, 0.2μs wide pulses, 5v into 600Ω.

CURRENT GENERATING & CORE TESTING EQUIPMENT

5100B: 2 pos, 2 neg. drivers; 2 delayed, 4 direct coding channels; 100cps-1mc programming; +5ma to 2.4 amp —5ma to 4 amp driver outputs, .04-.5μs rise times, .1-100μs widths. **Model 81** jig permits test of .50 ID cores.

5120B: Same as 5100B except 2 delayed coding channels only, 1 pos. and 1 neg driver. Program: 10 bits plus repeats.

3000A: Same as 5120B except: driver input is ext. triggers or pulses. 3.3mc programming possible.

3010A: 3000A except 2 pos. & 2 neg. drivers.

6020B Calibrator: Measures pulse ampl. to 0.5%, min-max. comparison ±0-500v, 0-1000ma in 5 ranges.

CA100: Same, but sgl comp. ±0-100mv, 0.1v ranges.

ELECTRONIC COUNTING EQUIPMENT

7100C Series Totalizers: 1-6 decades, 100kc input.

7200C Series Single Presets. 2-5 decades, 10kc max. input, 40v-40μs wide pulse outputs, DPDT 5 amp 1-10 sec. or locking relay outputs.

7600C Series Dual Presets. 2-4 decades, inputs, outputs same as for single presets.

5620A: Dual 4-digit, 1mc max. 5v-0.2μs outputs.

11861 Teale St., Culver City, Calif.

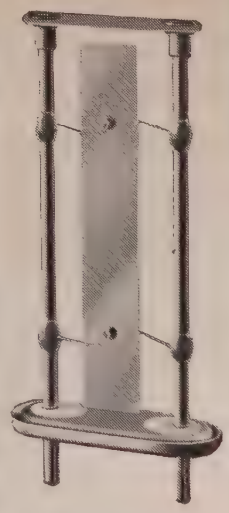
UPton 0-9193 or EXmont 8-6764

Electro-Pulse, Inc.

A SUBSIDIARY OF SERVO CORPORATION OF AMERICA

REEVES-HOFFMAN

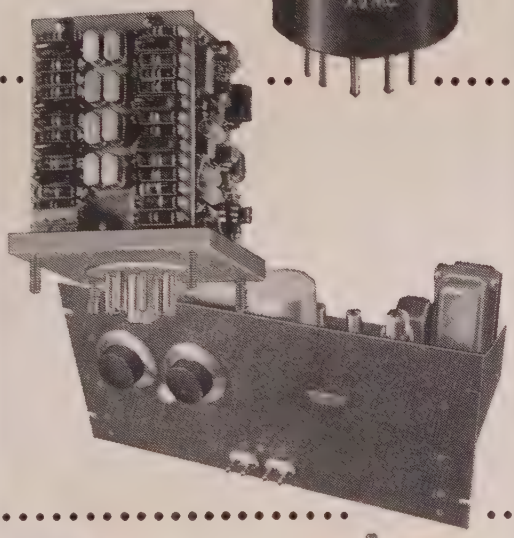
CRYSTALS, FREQUENCY SOURCES, FILTERS, OVENS



CRYSTALS

STANDARD TYPES of Reeves-Hoffman crystals, for all commercial and military applications, are available in a frequency range from 1 kc to 100 mc. Hermetically sealed in metal holders.

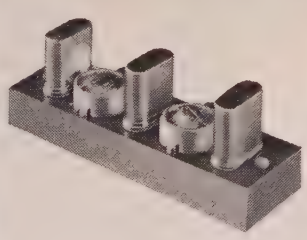
PRECISION TYPES of Reeves-Hoffman crystals, for use in high precision oscillators and secondary frequency standards, are available in a frequency range from 1 kc to 5 mc. Hermetically sealed in glass holders with standard radio tube bases.



FREQUENCY SOURCES

TRANSISTORIZED AND HARD TUBE TYPES of Reeves-Hoffman frequency sources are available in a frequency range from 100 cps to 100 mc. Stability is up to 1 part in 10^7. Packaged to your specifications.

PRECISION FREQUENCY STANDARDS have a basic frequency of 5 mc and are available with auxiliary circuitry for division to 100 kc, 1 mc and 10 mc. Stability is up to 1 part in 10^9 per day. Packaged to your specifications.



FILTERS

CRYSTAL OR LC TYPES of Reeves-Hoffman filters are available in a frequency range from audio to 30 mc.

OVENS

OVENS for precise temperature control are available in three types:

PROPORTIONAL CONTROLLED, for precise frequency standards, hold within 1/100th of 1° C at any fixed ambient.

THERMOSTATICALLY CONTROLLED, for high reliability requirements, hold within 1/10 of 1° C at any fixed ambient.

SNAP-ACTION CONTROLLED, for rugged military requirements, hold within 1° C at any fixed ambient.

Compact, rugged and highly reliable Reeves-Hoffman components are available in standard types or will be designed and manufactured to your specifications. Most units can be designed to withstand up to 10 g at 5 to 2000 cps. Write for complete details.

REEVES-HOFFMAN

DIVISION OF DYNAMICS CORPORATION OF AMERICA
CARLISLE, PENNSYLVANIA

If it's "MICROWAVE"

Partial List of Standard Items

EQUIPMENT	MODEL	P .320 - .490 KMC (WR 2300)	N .350 - .530 KMC (WR 2100)	J .410 - .625 KMC (WR 1800)	H .490 - .750 KMC (WR 1500)	F .640 - .960 KMC (WR 1150)	E .750 - 1.12 KMC (WR 975)	D .950 - 1.5 KMC (WR 77)	L 1.12 - 1.70 KMC	M 1.7 - 2.31 KMC	S 2.6 - 3.95 KMC	C 3.95 - 5.85 KMC	A 5.85 - 8.20 KMC	B 7.05 - 10 KMC	X 8.2 - 12.4 KMC	G 12.4 - 18 KMC	K 18 - 26.5 KMC	T 26.5 - 40 KMC	V 33 - 50 KMC	W 50 - 75 KMC	Z 60 - 90 KMC
ADAPTER—COAX. TO W.G.	101	P	N	J	H	F	E	D	L	M	S	C	A	B	X						
Choke to Choke	102								L	M	S	C	A	B	X	G	K	T			
Cover to Cover	103	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
7/8" to RG 48/U	104										S										
Flexible	105														X						
ANTENNA—Horn	110	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
ATTENUATOR—WAVEGUIDE Fixed - High Power	119								L	M	S	C	A	B	X	G	K	T	V	W	Z
Fixed - Low Power	120	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Flap	121								L	M	S	C	A	B	X	G	K	T	V	W	Z
Semi-Prec.	122	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Precision	123								L	M	S	C	A	B	X	G	K	T			
Var. Coax. Hi-Power	124	(Continuous 100 - 10,000 mcs.)																			
Fixed - Coaxial	125	(2,000 - 10,000 mcs.) Low & Hi-Power																			
Fixed - Coaxial	126	(0 - 4,000 mcs.) Low & Hi-Power																			
Variable Coaxial	127	(Continuous) (500 - 10,000 mcs.)																			
Fixed Coax.—Very Hi-Power	128	(1,000 3,000 mcs.)																			
Variable Coax. Pad	129	(Continuous 1,000 - 4,000 mcs.)																			
BEND—E Plane	130	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
H Plane	131	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Coaxial (7/8") Right Angle	135								L		S										
CAVITY—Filter	140								L	M	S	C									
LHT Transmitter	141								L		S										
Reference	142								L	M	S	C									
COUPLER—Signal Sampler Coaxial	148	(100 - 6,000 mcs.)																			
Waveguide	149	P	N	J	H	F	E	D	L	M	S	C	A	B	X						
CRYSTAL DETECTOR MTS. COAXIAL Broadband	150	(900 - 12,400 mcs.)																			
Tunable	151	(900 - 12,400 mcs.)																			
Matched	152	(500 - 3,000 mcs.)																			
CRYSTAL DETECTOR MTS. W.G. Broadband	160	P	N	J	H	F	E	D				S	C	A	B	X	G	K			
Tunable	161											S	C	A	B	X	G	K	T	V	W	Z
DIRECT'L CPLERS. Coax. 3/8"	165	(100 - 3,500 mcs.) HIGH DIRECTIVITY																			
Coax. Hi-Power	166	(100 - 10,000 mcs.) HIGH DIRECTIVITY																			
Coax. - 7/8"	167	(100 - 3,000 mcs.) HIGH DIRECTIVITY																			
Coax. - 1 5/8"	168	(100 - 1,500 mcs.) HIGH DIRECTIVITY																			
Coax. - 3 1/8"	169	(100 - 1,000 mcs.) HIGH DIRECTIVITY																			
Waveguide Uni-Directional	170	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Bi-Directional	171	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Uni-Reflectometer	172	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Bi-Reflectometer	173	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Broadband	174	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
FILTER—LOW PASS Coax.	175	Cut off frequency 100 to 3,000 mcs.																			
LINE STRETCHER—Coax. - 3/8"	180	(900 - 12,400 mcs.)																			
LOAD—COAX. Low Power	190	(0 - 4,000 mcs.)																			
Medium Power 7/8" Line	191								L		S										
Medium Power 1 5/8" Line	192								L												
High Power 7/8" Line	193								L		S										
High Power 1 5/8" Line	194								L												
LOADS—W.G. Low Power	200	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Medium Power	201	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
High Power	202	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Water	210	P	N	J	H	F	E	D	L	M	S	C	A	B	X						
MIXER—CRYSTAL Coaxial	220								L		S	C									
Waveguide	230										S	C	A	B	X	G	K	T			
Balanced Waveguide	235										S				X		K				
NUT & BOLT	240								L		S	C	A	B	X	G	K	T			
POWER DIVIDER—Coax.-Fixed	245								L		S										
Adjustable	246								L		S										
MULTIPLIER—(FREQ.) Waveguide - Coax. Input	248	Any input or output freq. 1 - 90 kmc.																			
Waveguide Input	249	Any input or output freq. from 1 - 90 kmc.																			
PROBE—Tunable	250	(900 - 12,400 mcs.)																			
REFLECTION -Stand. W.G.	256											S	C	A	B	X	G	K	T		
ROTARY JOINT—COAXIAL Med. Speed 7/8"	260	(2,700 - 2,900 mcs.)																			
High Speed 7/8"	261	(2,700 - 2,900 mcs.)																			
Inline L.T.	262	(10 - 3,000 mcs.)																			
ROTARY JOINT W.G. Doorknob Transition	270											S				X					
Circular Transition	271														B	X		K			
Crossbar Transition	272														B	X					
SHIFTER—PHASE W.G.	275	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T			
SHORT—MOVABLE Waveguide - (Unhoused)	283								L	M	S	C	A	B	X	G	K	T	V	W	
SHORTS—MOVABLE 3/8" Coax. (Housed)	290								L	M	S	C	A	B	X						
5/8" Coaxial	291								L		S	C									
7/8" Coaxial	292								L		S										
Waveguide	293	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Waveguide Precision	294								L	M	S	C	A	B	X	G	K	T	V	W	Z
SLOTTED LINE—COAXIAL	300								L	M	S										
Waveguide	310	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
STAND	330								L	M	S	C	A	B	X	G	K	T			
SWITCH—Coax.	334								L												
W.G. Rotary Type	335	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
W.G. Multiple Type	336										S				X		K				
TEE—Coaxial 7/8" Line	340								L		S										
W.G. Series TEE	350	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
W.G. Shunt	351	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
W.G. E/H (Hybrid)	352	P	N	J	H	F	E	D	L	M	S*	C	A	B	X*	G	K*	T	V	W	Z
TRANSITIONS—COAXIAL 3/8" - 7/8" Line	370	(0 - 4,000 mcs.)																			
7/8" to 1 5/8"	371	(0 - 4,000 mcs.)																			
W.G. Taper	380	Any Combination of waveguide, sizes P to T inclusive.																			
W.G. Step	381														B	X					
W.G. Elbow	382														B	X					
TUBE MOUNT—KLYS.	390												C	A	B	X					
TUNER—Coaxial 3/8" Single Stub	400								L		S	C	A	B	X						
7/8" Single Stub	401								L		S										
3/8" Double Stub	402	(1,000 - 10,000 mcs.)							L		S										
7/8" Double Stub	403								L		S										
3/8" Triple Stub	404	(1,000 - 10,000 mcs.)							L		S										
7/8" Triple Stub	405								L		S										
7/8" Slug	407								L		S										
TUNER—WAVEGUIDE Single Stub	409	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Double Stub	410	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Triple Stub	411	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
E/H	412	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Glide Screw	413	P	N	J	H	F	E	D	L	M	S	C	A	B	X	G	K	T	V	W	Z
Double Slug	414										S	C	A	B	X	G	K	T	V	W	Z
TWISTS Standard	420										S	C	A	B	X	G	K	T	V	W	Z
Step	421	P	N	J	H	F	E	D													
WAVEMETER—COAXIAL Micrometer	430								L	M	S	C									
In Case	440								L	M	S	C									
Waveguide MICROMETER Absorbtion	450												C	A	B	X	G	K	T		
Transmission	451												C	A	B	X	G	K	T		
Direct Reading	460														B	X					

DOUGLAS MICROWAVE CO., Inc.

DOUGLAS

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.

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manufacturers of a complete variety of standard microwave test equipment and components,

is pleased to announce the addition of a new and complete line of

MACRO WAVE

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(LARGE WAVEGUIDE WR77 to WR2300) TEST EQUIPMENT and COMPONENTS

which include the following:

adapters	signal samplers	terminations	phase shifters	transitions
test horns	crystal detector mounts	loads	slotted lines	tuners
attenuators	twists	tees	switches	wave meters
bends				

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WR77, WR975, WR1150, WR1500, WR1800, WR2100, WR2300.

Meeting the challenge of tomorrow...

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Specialists in the fields of ultraviolet, visible and infrared systems with focus on creative engineering in:

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a family of precision laboratory test instruments from CROSBY-TELETRONICS

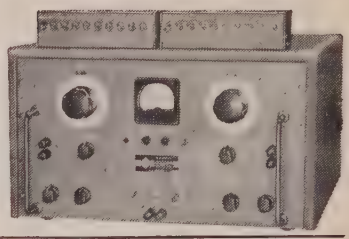
WIDE RANGE FAST-PULSE GENERATOR

Wide ranges of pulse duration, amplitude and positioning are featured in the model PG-200AA. The unit may be employed for self-synchronous operation or driven by an external signal of practically any waveform. Either way, it provides a fast trigger for synchronization of auxiliary equipment.

SPECIFICATIONS

Duration and position .05 to 50 μs, 1000 μs with range extenders.
Rise and decay times constant .03 μs.
Single pulses to 20,000 per second.
100 volts, 50 ohms driving impedance.
Trigger or sine wave synchronization.
Calibrated width, position and rate.
May be cascaded for dual pulse output.

MODEL PG-200AA PULSE GENERATOR $850.00
MODEL PGA-210 RANGE EXTENDER $80.00



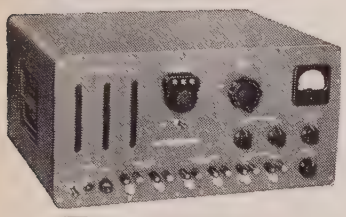
MILLI-MICROSECOND PULSE GENERATOR

The model PG-215 provides rise, duration and decay times in the milli-microsecond range. It is a mercury-relay plus pulse-forming line type of generator. Determination of time parameters is by sections of standard coaxial cable (supplied by user) or contained in an accessory Width and Delay Unit (Model PGA-220).

SPECIFICATIONS

Rectangular pulses at recurrence rates of 60 or 120 pulses per second.
Rise and decay times down to 1.2 μs, minimum width 1.2 μs. maximum duration unlimited.
Amplitude 0 to 35 volts with 93 ohms load.
Sync. output signal isolated from the main output with provisions for delaying the main pulse.

MODEL PG-215 PULSE GENERATOR $245.00
MODEL PGA-220 WIDTH AND DELAY UNIT $195.00



PULSE TIMER

This paired trigger generator provides a fixed and a delayed pulse. A combination of decade counters and a digital dial permits reading delays up 10,000 microseconds with an accuracy of ±0.02 microseconds. The model PT-244 is a full size module in the Crosby-Teletronics Modular Instrumentation System and may be conveniently rack-mounted using Crosby-Teletronics RA82 adapter.

SPECIFICATIONS

Accuracy	±0.02 μs
Delay Range	0-10,000 μs
Marker Output	10.1 and 0.1 μs
Jitter	Less than .001 μs
PRF	30-2500 PPS
Fixed Pulse Amplitude	±25 volts open circuit
Delayed Pulse Amplitude	±55 volts open circuit
Output Impedance	1500 ohms minus 700 ohms plus

MODEL PT-244 PULSE TIMER $1,895.00

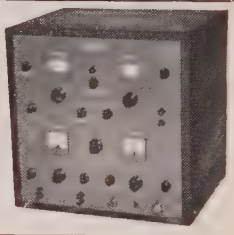
SINGLE-SIDEBAND SIGNAL GENERATOR

The Model SG-262 permits alignment and testing of single- and double-sideband equipment ranging from audio frequencies up to megacycles. It generates an ideal single-sideband signal and checks it against sideband rejection and response of single-sideband receiving equipment. Separate modulation inputs for simultaneous modulation of upper and lower sidebands are available.

SPECIFICATIONS

Carrier frequency range is from 0 to 30 megacycles. Output voltage from attenuator jack is continuously variable from 1.0 microvolt to 100 millivolts. Output impedance at "atten" jack is 50 ohms resistive. High voltage output impedance is approximately 300 ohms resistive. Modulation selection of upper and/or lower sideband, carrier and sideband, double-sideband amplitude modulation, and double-sideband quadrature modulation.

MODEL SG-262 SINGLE-SIDEBAND SIGNAL GENERATOR $3250.00



WIDE-BAND ELECTRONIC SWITCH

The model ES-180-A presents two waveforms on almost any conventional oscilloscope, as well as furnishing a movable horizontal index trace to facilitate rapid and accurate amplitude and time measurements without parallax error. The control dial is calibrated in volts and percentage amplitude. A connector permits introduction of external time markers.

SPECIFICATIONS

Unity DC gain down 3 db at 15 Mc, 6 db at 21 Mc; Rise-time .023 μs.
Identical stable feedback amplifiers; both DC and heater supplies regulated.
93 ohms output impedance minimizes effect of cable length and load on bandwidth.
Input impedances 1 megohm and 40 mmfd; attenuator divisions 1, 3, 10, 30, 100.
Alternate-sweep or alternate-sample displays, switching rates to 400 kc.

MODEL ES-180A ELECTRONIC SWITCH $495.00

TELEMETERING TEST OSCILLATOR

This unit is standard in a number of major missile programs. Push buttons permit selection of twenty pre-determined frequencies. Calibrated control permits ±15% variance of selected frequency nominal value. The Model TO-258 provides low distortion and excellent frequency stability over wide ranges of temperature and power input. Unit is a full size module in the Crosby-Teletronics Modular Instrumentation System.

SPECIFICATIONS

Telemetering model furnishes standard FM/FM frequencies from 400 to 70,000 cycles. Special Models for any 20 frequencies from 20 to 100-000 cycles per second.

MODEL TO-258 TEST OSCILLATOR (FM/FM) $425.00

DIODE TESTER—MILLIMICROAMMETER

The Model DT-257A Diode Tester, used in combination with Model MA259 Millimicroammeter, makes possible production testing of static characteristics of silicon as well as germanium and selenium diodes. The DT-257A has separate forward and reverse power supplies with continuously variable outputs or pre-set regulated reverse potentials permitting checks at selected operating points. The MA-259 measures low reverse currents of silicon diodes. Cabinets are 2/3 and 1/3 modules in Crosby-Teletronics' Modular Instrumentation System.

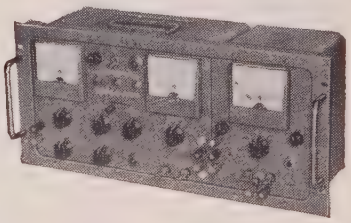
SPECIFICATIONS—DT-257A

Pre-set regulated reverse voltages, —50, —100, —300, 0-300 volts at 5 ma.
Forward current to 500 ma. at 1.0 volt.
Reversed or shorted diode indications.

MA-259

6 ranges—0.01 to 1,000 μa full scale.
Accuracy—5% of full scale.

MODEL DT-257A DIODE TESTER $295.00
MODEL OV-120 DIODE OVEN $150.00
MODEL MA-259 MILLIMICROAMMETER $125.00



CROSBY TELETRONICS

CROSBY-TELETRONICS CORPORATION

sales office: 54 Kinkel Street — Westbury, L. I. N. Y.

ALDEN Plug-in components for electronic systems

Alden plug-in components offer far more than the convenience and ease of modular packaging . . . the prime advantage of these basic building blocks is that they make possible **more reliability in service.**

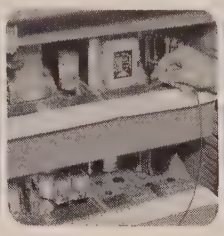
More in-service reliability through:

Tell-tale monitoring — all controls easily accessible, up front. Tiny tell-tales spot trouble instantly, isolate it to a specific modular unit.

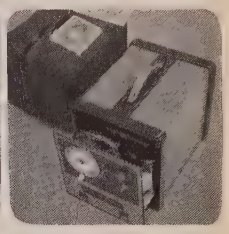
Quick removal — malfunctioning unit can be removed with a half turn of the wrist, reducing down-time to 30 seconds with plug-in spare.

Quick replacement — malfunctioning component can be snapped out and replaced in seconds.

In-service checks — Alden Adapter Cable brings chassis out into the open while in operation for quick checking.



Single point of check — all leads brought to single checkpoint — makes possible color coded, vividly illustrated circuit legends.

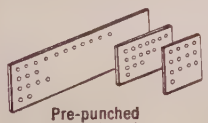


Quick repair — rugged, portable carrying case protects chassis. Replacement of malfunctioning chassis is only air mail time away from service center.

From layout to finished equipment...in just 3 steps:

1

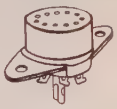
Unitize circuitry in compact, vertical planes with Alden Terminal Card Mounting System — Your circuitry is assembled in complete units, ready for housing.



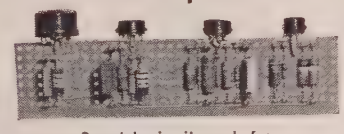
Pre-punched terminal cards

Miniature terminals

Jumper strip (eliminates wiring)



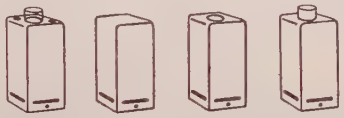
Card mounting sockets



Complete circuits ready for plug-in package or chassis

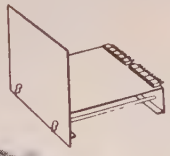
2

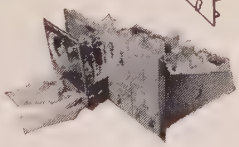
Mount cards in Alden Basic Chassis for tremendous variety with standard components — Alden provides standard plug-in or slide housings. With spares, units are replaceable in 30 seconds.



Alden plug-in package 4 sizes: 7, 9, 11, and 20 pin

Alden Basic Chassis

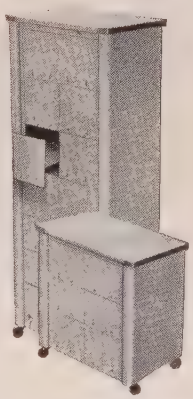




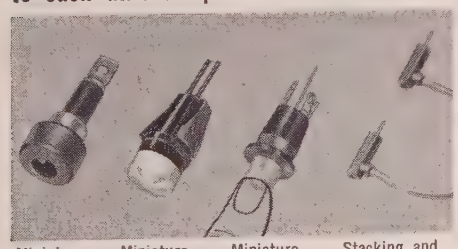
Picture Frame Rack Adaptor — for mounting Alden Basic Chassis in any combination. Mounts in standard rack or Alden UniRacks.

3

Mount sub-assemblies in Alden UniRacks — UniRacks fully utilize all the features of plug-in construction, give you a more compact, serviceable unit. Furnished in 2 basic heights, either mobile or stationary — easily accessible, front or rear.

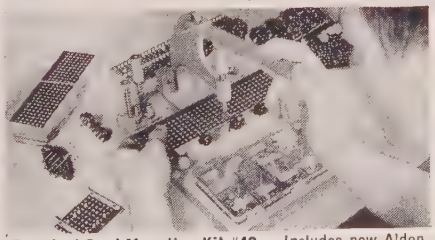


Assign Alden testing and sensing elements to each unit to spot trouble instantly

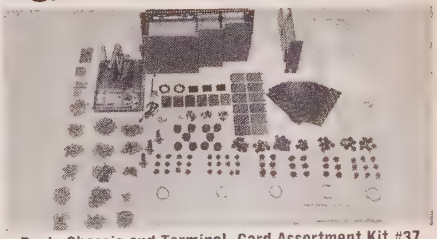


Miniature test jacks — Miniature indicator lights — Miniature Pan-i-lite Switch (momentary contact) — Stacking and patch cord

Two time saving, money saving, "GET STARTED" KITS

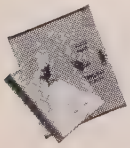


Terminal Card Mounting Kit #42 — Includes new Alden Staking Tool plus prepunched terminal cards, ratchet terminals, eyelets, brackets, and card mounting tube sockets — everything for simplified, time saving circuitry layout. **$49.95**



Basic Chassis and Terminal Card Assortment Kit #37 — All necessary components to mount, house, fasten and monitor your electronic circuitry. Makes sense, save time, establishes reliability. **$249.50**

Other kits from **$11.50**



Write today for new Alden Plug-in Booklet and handy, up-dated Quick Order Guide.

ALDEN PRODUCTS COMPANY, 112 N. Main Street, Bockton, Mass.

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PREM-O-RAK
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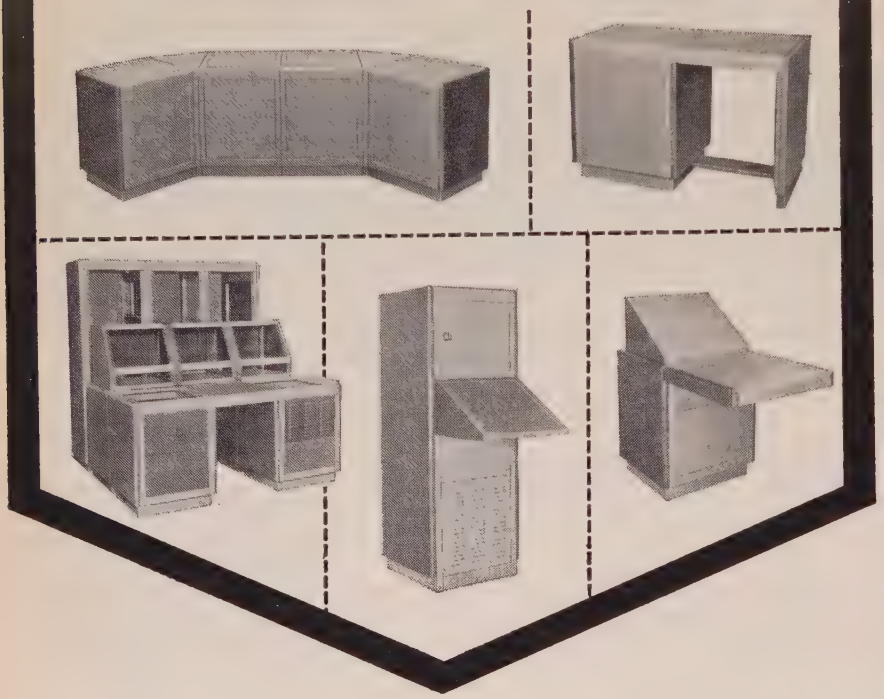

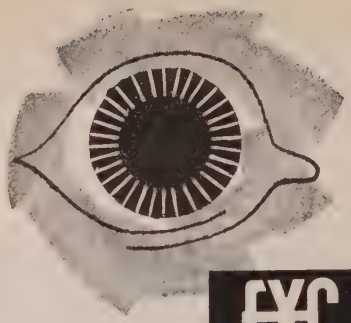

Look to FXC *for precision ceramic magnets*

Complete details, including sample kit information, furnished on request.

Say ferroxcube when you need ferrite.

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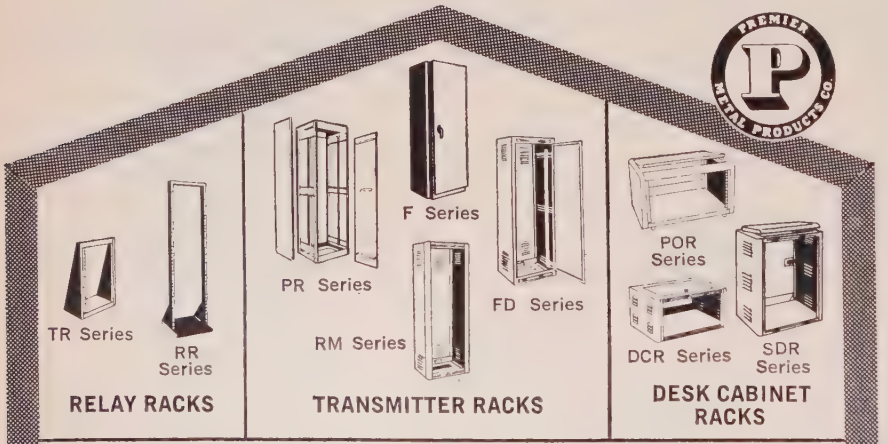

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Ranges 100 V to 35,000 V, AC or DC. Resistance exceeds million megohms. Can measure static electricity.

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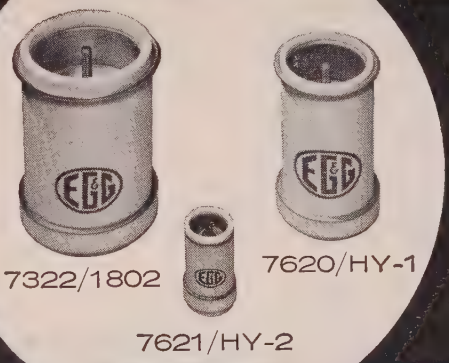
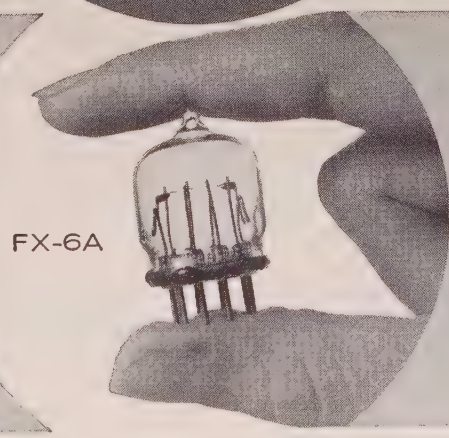
A complete line of rugged, miniaturized, ceramic-metal hydrogen thyratrons that offer design engineers compact, modular circuitry, light weight, wide temperature capability, fast warm-up, high plate dissipation and a unique hydrogen reservoir that ensures long life and high reliability. Data sheets on request.



Xenon flash tubes

Complete line includes tiny FX-6A illustrated (5/16" arc. and 14,000 hcp output). Has life of one billion flashes at 0.01 WS. Repetition rates are as high as 1,000 pps . . . FX-1 which can be made to provide up to 50" arc . . . FX-12 with 10-million cp/sq. cm. peak brightness . . . and other special-purpose tubes for microscopy, under-water work, data encoding, Schlieren photography, stroboscopic analysis etc. Data sheets on request.



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As a result of experience gained on certain classified projects, EG&G is ideally equipped and staffed for custom design and manufacture of special-purpose transformers to military and commercial specifications.

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Complete camera systems, including electronic light sources, pingers, thumpers, mounts and associated control equipment of proven reliability . . . for operation at the greatest known ocean depths. Also sonar devices for marine seismic surveys, navigation and positioning oceanographic instruments. Data sheets on request.

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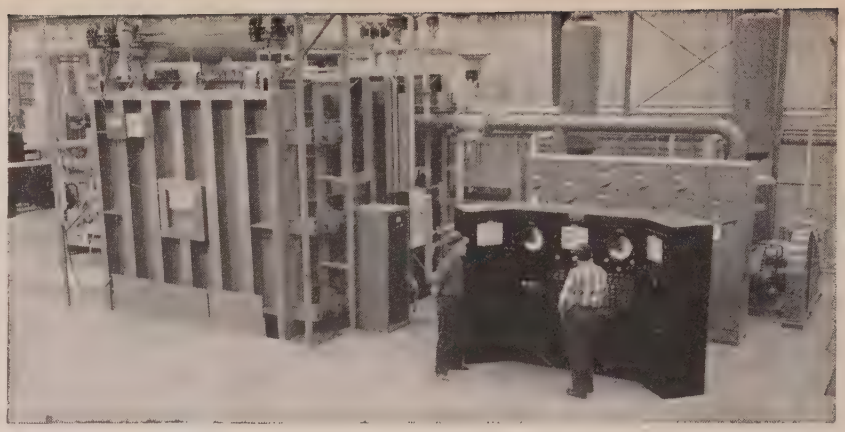
This Guardite test chamber for The Martin Co., Denver Division, simulates altitudes to 225,000 ft., and temperatures from −120°F to +350°F



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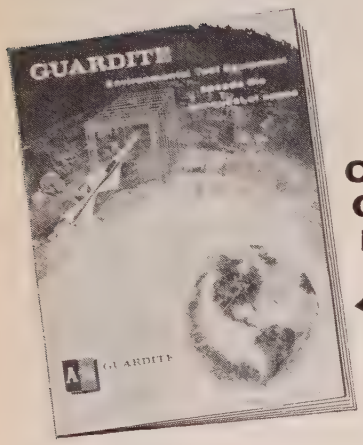
Environmental Test Equipment

explores new frontiers of research



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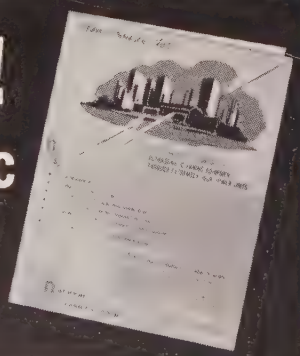
ULTRASONIC CLEANING BULLETIN



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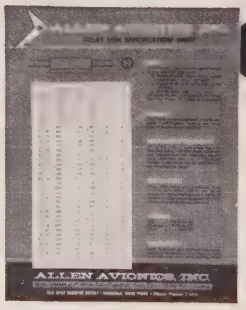
ALLEN AVIONICS

new!

DELAY LINES



new bulletin

New Allen Avionics Bulletin "DL" describes lumped constant, phase and frequency compensated Delay Lines, utilizing subminiature inductors and temperature compensating capacitors.

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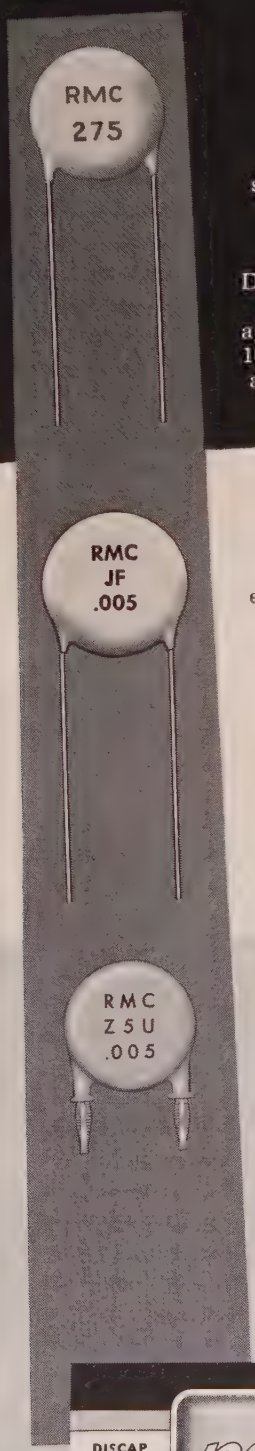
RMC DISCAPS

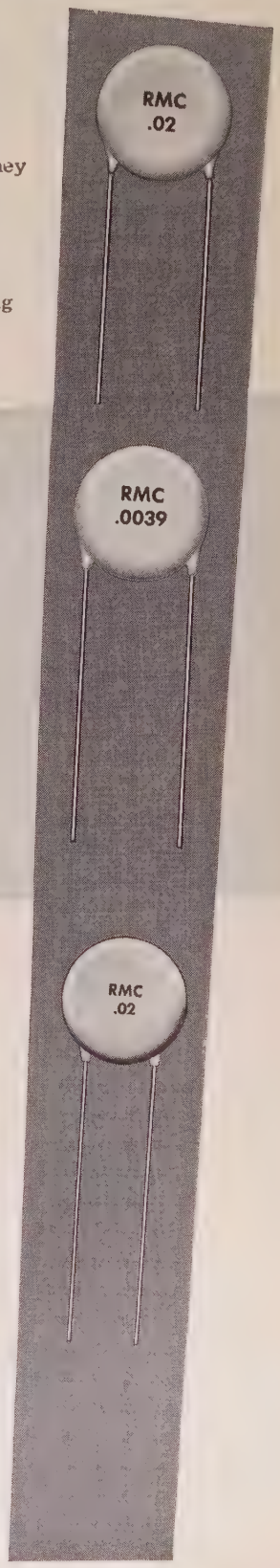


TYPE C

temperature compensating DISCAPS meet and exceed the specifications of EIA RS-198. Featuring greater dielectric strength, Type C DISCAPS are ideal for VHF and UHF applications. Rated at 1000 working volts for a higher safety factor.

TYPE B

DISCAPS are designed for by-passing, coupling or filtering applications and they meet and exceed EIA RS-198 specifications for Z5U capacitors. Type B DISCAPS are available in capacities between .00015 and .04 MFD with a rating of 1000 volts.



TYPE JF

DISCAPS are engineered to exhibit a frequency stability characteristic that is superior to similar types. These DISCAPS extend the available capacity range of the EIA Z5F ceramic capacitor between +10°C and +85°C.

TYPE JL

DISCAPS should be specified in applications requiring a minimum of capacity change as temperature varies between −60°C and +110°C. Over this range the capacity change is only ±7.5% of capacity at 25°C. Standard working voltage is 1000 V.D.C.

FIN-LOCK LEADS

Designed for holes from .053 to .060 Fin-Lock DISCAPS are automatically stopped in holes over .060 by the shoulder design of the leads. Stand up positioning is assured and lead crimping is eliminated. Available on all DISCAPS of standard voltages, ratings and spacings.

TYPE SM

DISCAPS are subminiature in size and meet the specs for EIA RS-198 for Z5U capacitors and are available in values of 800, .001, .0015 GMV; .005 +80% −20% ±20%; .01 +80% −20% +20% and .02 +80% −20%.

DISCAP CERAMIC CAPACITORS

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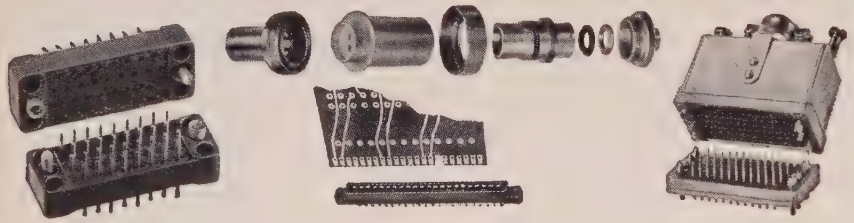
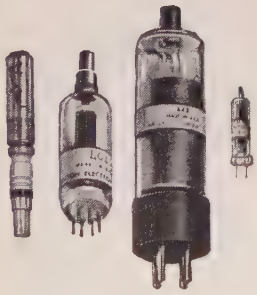


ANTON CORONA DISCHARGE V-R TUBES



have been found to be extremely reliable over the wide range of military shock, temperature, current and voltage requirements. Fixed and adjustable tubes are available to stabilize voltages from 300 V—30 KV at currents below several milliamperes with voltage tolerances within ± 1%. JAN approved types available. Well suited for use as voltage reference tubes, stabilizing all high voltage-low current power supplies and for control of high voltage, accelerating potentials of cathode ray devices (radar scopes, TV, etc.).

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like the Anton 245 Electronic Multimeter for measurements in the frequency range 30 cps. to 500 mc. Ideal for military, laboratory, production line, test shop, broadcast station and field use. Send for complete catalog information.

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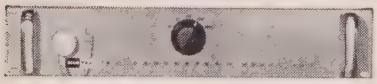
Model 501 4-Digit, Over-ranging DC Digital Voltmeter

MEASURE DC WITH 0.01% ACCURACY

The 501 measures DC from ±0.0001 to ±1000.0 volts with 0.01% ± 1 digit (of reading) accuracy. Ranging and polarity indication are automatic. An extra fifth digit in the left decade indicates "0" or "1" to provide 100% over-ranging and ten times greater resolution at decade (1, 10, 100, 1000) voltage points than standard 4-digit voltmeters. The measured voltage is displayed in direct numerical form on an in-line, single-plane readout – no superimposed outlines of "off" digits. Input impedance is 10 megohms on all ranges at null. Printer drive for ten-line, parallel entry printers is built in. A control permits decreasing sensitivity to allow reading noisy or unstable inputs. Stepping switch drive coils are energized with DC as in telephone-type service to provide long, trouble-free operation. The reference voltage is supplied by a chopper-stabilized supply which is continuously and automatically referenced to an internal standard cell. Price $2995.

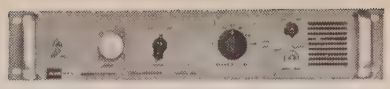


Model 452 AC Converter

Added to the basic 501 DC digital voltmeter, the 452 permits 4-digit measurement of 0.001 to 999.9 RMS volts AC from 30 to 10,000 cps. Accuracy is 0.2% of full scale. Ranging is manual (auto-ranging models available). Price $850.

Model 459 Differential DC Preamplifier

Fixed gain of −100 extends digital voltmeter sensitivity to 1 microvolt DC, provides 0.15% ±5 digits overall system accuracy. Maximum output is 10 volts. Input resistance is 5 megohms. Input may be floated up to ±250 volts. Common-mode rejection is 130 db for 60 cps. Price $1475.



Model 458A AC-DC Preamplifier

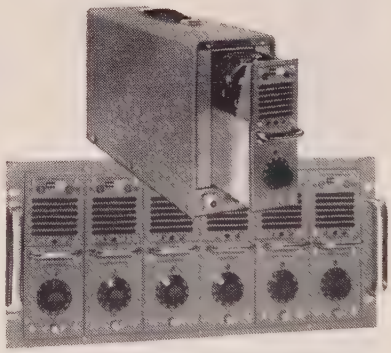
Fixed gain of −100 extends voltmeter sensitivity to 1 microvolt DC, 10 microvolts AC (30 to 2000 cps); provides overall system accuracy of 0.1% ±2 microvolts DC, and 0.25% of full scale AC. Additional +1 gain provides >10,000 megohms input impedance with 0.001% gain accuracy. Maximum output ±40 volts DC, 35 volts AC. Price $1225.

Model 453M Multi-channel Input Scanner/Programmer

Automatically or manually scans up to 400 one-wire, 200 two-wire, 100 four-wire inputs. Slave scanners permit scanning additional inputs. Price $2500.

Other Digital Instruments include rugged, militarized AC/DC voltmeters; ratiometers; all-electronic tracking-logic voltmeters; and accessories for driving card punches and other output equipment.

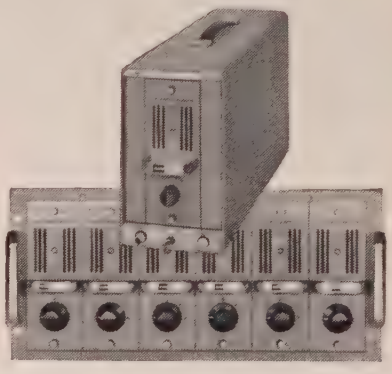
DC AMPLIFIERS



Model 112A Wideband DC Amplifiers

AMPLIFY DC TO 40 KC WITH 2 MICROVOLT STABILITY

Wideband, single-ended DC amplifier permits extremely accurate measurement of strain temperature and other phenomena. Accepts plug-ins to permit use as standard adjustable gain amplifier (unit described), +1 amplifier, filter, etc. Equivalent input drift is less than 2 microvolts for 400 hours. Noise is less than 5 microvolts P-P from 0 to 3 cps, less than 5 microvolts RMS from 0 to 750 cps, less than 12 microvolts RMS 0 to 50 kc. Input impedance is 100,000 ohms, output impedance less than 1 ohm. Gain is in ten steps from 20 to 1000 with continuous 1 to 2 times vernier adjustment of each setting. Gain accuracy is 0.5%. Micro-Gain control permits adjusting individual gain settings to 0.01% gain accuracy. Gain stability and linearity are 0.1%. Frequency response is ±0.1 db to 2 kc, ±0.3 db to 10 kc, less than 3 db down at 40 kc. Output capability is 40 ma into 10 to 400 ohms, ±35 volts into 1000 ohms, ±45 volts into 10,000 ohms. Each amplifier contains integral power supply. Six amplifiers mount in 190 rack module, single amplifier mounts in 191A rack module or 195 cabinet. Prices: 112A amplifier with 112A-A adjustable gain plug-in $625; 190 module $295; 191A module $150; 195 cabinet $125.



Model 114A Differential DC Amplifiers

RESCUE MICROVOLT SIGNALS FROM VOLTS OF NOISE

A true differential DC amplifier with input isolated from output and both input and output completely floating and isolated from chassis ground. Ideal for thermocouple systems, virtually eliminates ground loop problems and allows amplification of microvolt level signals in the presence of volts of common-mode noise. Common-mode rejection is 180 db for DC, 130 db for 60 cps with up to 1000 ohms input unbalance. Equivalent input drift is less than 3 microvolts for 40 hours on 300 gain or above, 5 microvolts on gain of 100, 10 microvolts on gain of 30, and 30 microvolts on gain of 10. Gain is 10 to 1000 in five steps. Bandwidth is 100 cps. Input resistance is greater than 5 megohms. Output impedance is less than 2 ohms. Output capability is 10 volts at 10 ma. Gain accuracy is 1.0%. Gain stability is 0.1%, and linearity is 0.1% of full scale 10-volt output into 1000-ohm or greater load. Each amplifier contains an integral power supply. Six amplifiers mount in 190 rack module, single amplifier mounts in 191A rack module or 195 cabinet. Prices: 114A amplifier $775; 190 module $295; 191A module $150; 195 cabinet $125.

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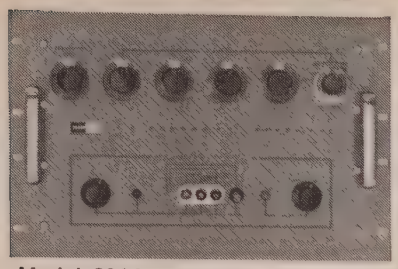
AC STANDARD



Model 601A AC Voltage Standard

0.1% ACCURACY AC VOLTAGE SOURCE

Exceptionally stable and accurate AC calibration source. Output is 1 to 501 volts RMS AC, adjustable in 0.1 volt steps and between steps with a potentiometer. Output frequencies are 60, 400, and 1000 cps. Power output is 5 amps up to 5 volts, 25 watts above 5 volts. Voltage accuracy is 0.1% or 5 millivolts, with 0.01% short-term stability. Frequency accuracy is 1.0%, harmonic distortion less than 0.3%. The output is floating, guarded, and exceptionally well isolated from chassis ground and AC line. Output impedance with a constant resistive load is approximately 0.01 ohm. (Output impedance for a varying load is a function of the frequency of load variation, and the 601A voltage and frequency settings.) Price $4500.

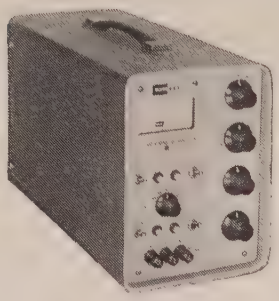
ELECTRONIC GALVO

Model 204A Electronic Galvanometer

RUGGED DC NULL DETECTOR, MICROVOLTMETER, AMPLIFIER

The 204A is functionally equivalent to the most sensitive suspension galvanometers, but is insensitive to shock, vibration, microphonics, earth's magnetic field and stray pickup. It is all transistorized, does not require leveling, can withstand severe overload with no offset on return to zero, and has rapid response. A built-in Ayrton shunt provides seven decaded ranges which cover from ±10 microvolts to ±10 volts full scale, and from 0.001 microampere to 1 milliampere full scale. Input resistance is 10,000 ohms on all ranges. Power sensitivity is 10^{-14} watts. The input is floating. Drift is less than 2 microvolts. Output as an amplifier is ±1 volt at 1 ma for full scale on any range. Price $425.

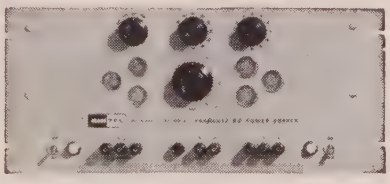
DC STANDARDS



Model 301 DC Voltage Standard and Null Voltmeter

MEASURE AND SUPPLY DC VOLTAGE TO 0.02%

Measures 1 to 501 volts, supplies 1 to 501 volts at up to 20 ma. Output is floating. Output voltage calibration is 0.02% or 2 mv. Long-term stability is 0.01%. Load regulation is 0.002% no load to full load. Line regulation is 0.002% for 10% line voltage change. Output hum and noise are less than 100 microvolts. Less than 0.01 ohm DC output impedance, and 0.2 millisecond response time. Available as rack or cabinet model. Price $795.



Model 50B-25 DC Power Supply

HIGH-POWERED "STANDARD CELL"

Above unit supplies 1.02 to 502 volts at up to 250 ma. Others available with same basic performance specifications. Stability 100 ppm long term, 50 ppm short term. Accuracy 0.02% or 5 millivolts. Less than 0.5 mv hum and noise; 0.01% load and 0.002% line regulation. Less than 0.01 ohm DC and 0.5 ohm AC (to 200 kc) output impedance. Response time 0.2 millisecond. Either positive or negative output. Price $895.

Model M10A-10 DC Meter Calibrator

0.01% STABILITY CURRENT OR VOLTAGE SOURCE

Above unit supplies 0-100 volts, 0-100 ma as voltage or current source. Model M100A-20 supplies 0-1000 volts, 0-200 ma. Accuracy is 0.05%, line regulation 0.01%, hum and noise less than 2 mv. Other specifications same as power supplies. Price of M10A-10 (control unit illustrated) $1495.

INDUSTRIAL TV

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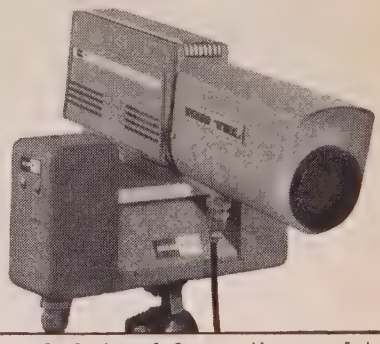
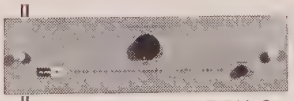
Used by hundreds of leading firms for safe observation of missile tests, nuclear reactors, environmental tests...for surveillance of freeways, tunnels, runways, security areas...for transmission of printed data, meter indications, signatures. Operation is fully automatic. The only control the operator has to touch is the on-off switch. Monitor pictures are photo sharp – twice the resolution of the best home TV. Equipment is



rugged, designed for continuous duty operation in severe environments. Sharp, clear pictures are provided in extremely low-light levels. Installation is simple. The basic system shown below can be easily expanded with additional cameras, monitors, and accessories without obsoleting present equipment.

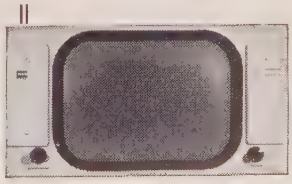
Model 1986C TV Camera

(up to 1500 feet of cable)



Model 1986DCU Camera Control

(up to 3000 feet of cable. More with amplifiers)



Model DRM-14R Monitor

TV Accessories include pan-tilt units, zoom lenses, special housings, many others. A variety of monitors, different cameras and more than a hundred other system components are available.

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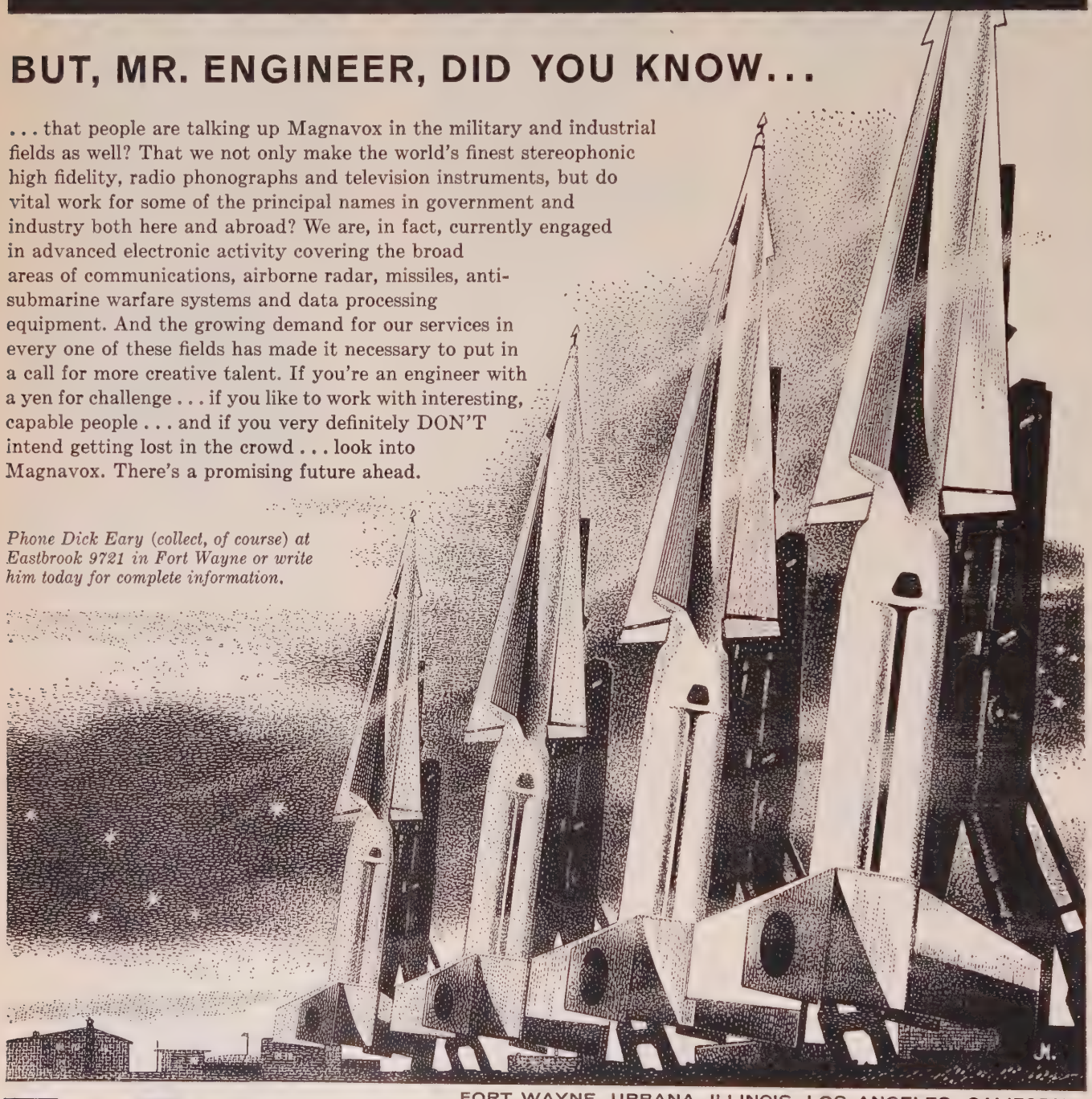

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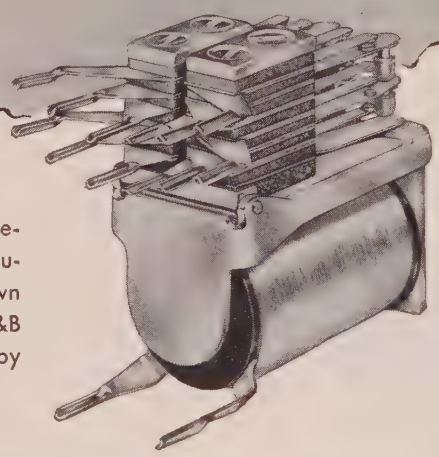

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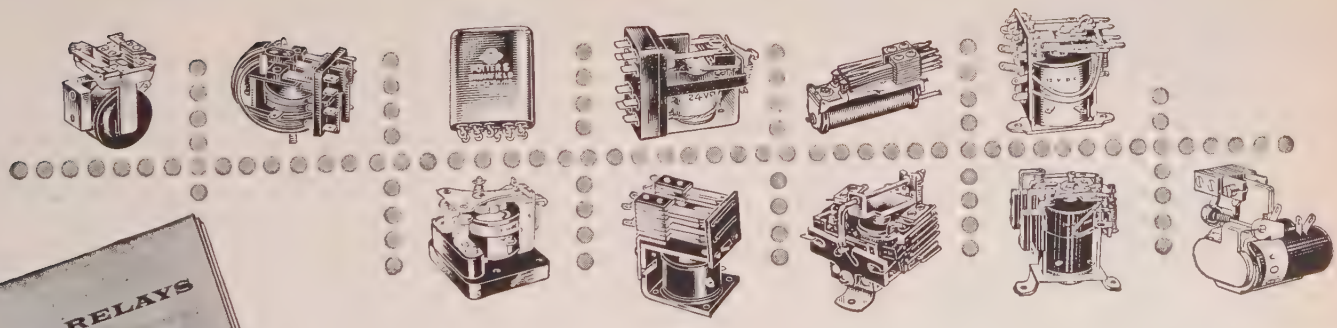

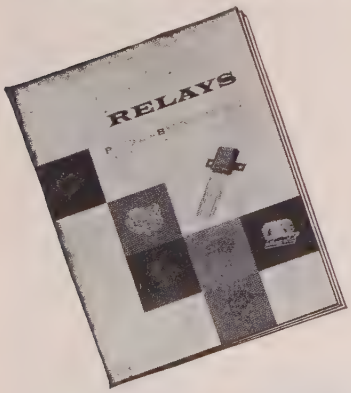

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MULTIPLE OUTLET BOXES

EVER-HANDY, HEAVY DUTY ELECTRICAL EXTENSIONS FOR INDUSTRY • LABORATORIES • TEST FACILITIES

MODEL MO — A ruggedly constructed metallic outlet box of HEAVY DUTY TYPE to solve all your AC outlet problems. A flick of the switch gives you six rugged outlets at your fingertips. Pilot light shows when power is on. Fused plug protects your equipment. Mount it or lay it anywhere convenient to your work. Extra long, heavy duty 10 foot cord gives you longer reach to power source. 15 amperes, 115 volts. Dimensions 13" x 2¼" x 1½".

NET . . . $6.75

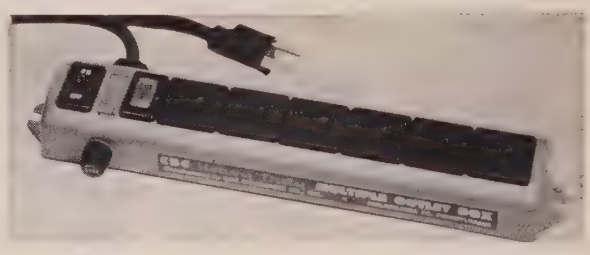
MODEL SS — Provides four independently controlled outlets, each set in a contrasting color for easy recognition. This unit enables the user to control, from a convenient, centralized point, four separate pieces of equipment. It has a 10 foot heavy duty neoprene cord with a long life fused plug. The rugged, drawn metal case is finished in hammertone brown and has mounting ears enabling the user to mount the unit or use it flat. It is rated at 15 amperes 115 volts. Dimensions 13" x 2¼" x 1½".

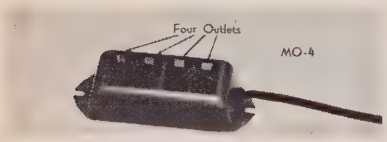
NET . . . $6.75

SELECTOR SWITCH

MODEL MO-GD — Six 3-wire "U" type ground outlets, switch and pilot light. Fuse in case. Rated for 15 amperes, 115 volts. Brown hammertone case—13" x 2¼" x 1½". With ears for mounting. Heavy duty 10 foot line cord with 3-prong "U" type grounding plug on end. (Also available with 15 ft. line cord).

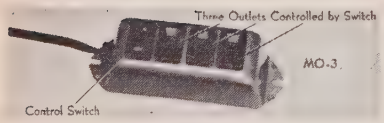
NET . . . $8.50





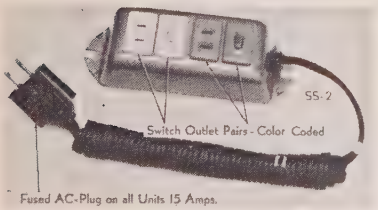
MODEL MO-4—Ideal where additional outlets are required. Four outlets. Heavy duty Line Cord with fused plug. Brown hammertone case with ears for mounting. Case—5" x 2" x 1¼".

NET . . . $3.75



MODEL MO-3—One switch controls three outlets. Affords protection of fused plug with two 15 amp. fuses at 115 volts. Brown hammertone case with ears for mounting. Case—5" x 2" x 1¼".

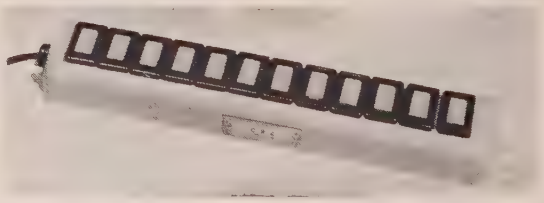
NET . . . $3.90



MODEL SS-2—Features easy accessability of outlets and controlling switches. Brown hammertone case with ears for mounting. Heavy duty Line Cord with Fused Plug. Rated at 15 amps., 115 volts. Case 5" x 2" x 1¼".

NET . . . $4.15

PROGRAM INDICATORS



MODEL P-12 **NET . . . $14.95**

MODEL P-8 **NET . . . $12.95**

MODELS P-12 and P-8—Program units designed with 10 foot cables connected separately to each indicator. (Also furnished with designation strips). Useful for checking programming functions for computers and other automatic devices.

ANY OF THE ABOVE UNITS CAN BE FURNISHED CHROMIUM PLATED AT A SLIGHTLY INCREASED COST. THE ITEMS ARE AVAILABLE AT ALL DISTRIBUTORS AND *VARIATIONS CAN BE MADE TO YOUR SPECIFICATIONS.*

C-B-C ELECTRONICS CO., INC.

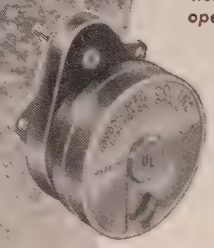
2601 North Howard Street **Philadelphia 33, Pa.** **GArfield 3-2797**

Haydon AT TORRINGTON

Precision Timing for SUPERIOR PRODUCT PERFORMANCE

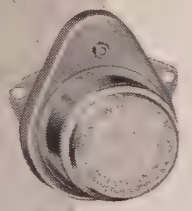
HAYDON TIMING MOTORS

Recently re-designed and re-engineered for even finer performance, this is the most complete timing motor line ever offered. New models include the Clutch Type (exclusive with Haydon) and the Heavy Duty Inductor Type. Featuring slow rotor speed, controlled lubrication and total enclosure, all Haydon Timing Motors offer you the advantages of unusual compactness and small size, long life, dependability and quiet operation.



HYSTERESIS TYPE

. . . is a general purpose motor ideal for a very wide range of standard duty applications. Two torque ranges: 6 ounce inches with speeds from 1/60 to 60 rpm, and 10 ounce inches with speeds from 1 to 60 rpm. For 120 and 240 volts, 50 and 60 cps.

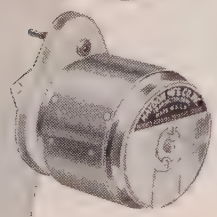


INDUCTOR TYPE

. . . is compact, fast-starting and has the extra power (30 ounce inches torque) needed for display and similar heavy-duty applications where other timing motor types are inadequate. Speeds from 1 to 60 rpm. For 120 or 240 volt operation, 50 and 60 cps.

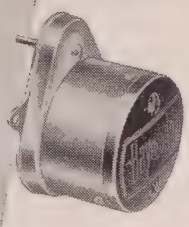
CLUTCH TYPE

. . . exclusive with Haydon, is so designed that the rotor pinion, when de-energized, disengages from the gear train. This allows automatic resetting of the train without the use of external clutches. Speeds from 1/10 to 15 rpm. For 120 and 240 volts, 50 and 60 cps.



REVERSIBLE TYPE

. . . is a hysteresis motor with 2 coils. When energized, each produces opposite rotation of the output shaft. Speeds from 1/60 to 60 rpm. For 120 and 240 volt operation, 50 and 60 cps.



DIRECT-CURRENT TYPE

. . . utilizes permanent magnets with commutator and long-wearing brushes. Reversible by changing polarity. Speeds from 1/15 to 60 rpm. Windings available for 6 to 28 volts.

400 CPS TYPES

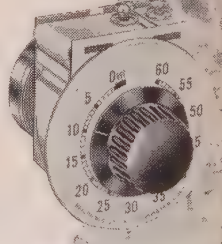
. . . offer an inherently accurate approach for instrumentation in military equipment. Two models: Miniature with 5 gram millimeters torque at rated voltage, and Heavy Duty with 18 gram millimeters. Speeds are 3000 rpm, 115 volts nominal.

HAYDON TIMING DEVICES

Built around the proved-by-performance Haydon Timing Motors, these timing devices offer the same advantages of compactness, accuracy, dependability and long life. They are available in a complete line for every type of military, commercial and industrial application.

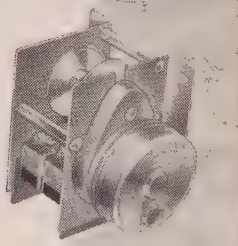
TIME DELAY TIMERS

. . . provide time delay or interval timing in various ranges up to 4.5 minutes maximum for such applications as protecting power tubes or timing parts of a complete operating cycle. For 120 and 240 volts, 50 and 60 cps.



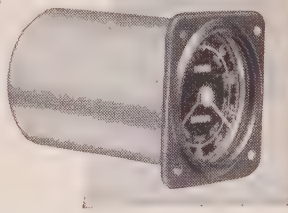
INTERVAL TIMERS

. . . incorporate heavy-duty, cam-operated switches and are used to directly control heavy loads in motor-operated food processing and laundry equipment, home appliances, battery chargers, etc. Intervals from 1 minute to 24 hours.



CYCLE TIMERS

. . . repeat a set cycle or sequence of operations as long as the motor circuit is energized. Use of Haydon "Torque-Rated" Motors in a wide choice of speeds makes possible a very broad range of timing intervals. Up to 8 enclosed SPDT switches can be specified.



ELAPSED TIME INDICATORS

. . . consisting of a synchronous motor and a non-resettable counter, register elapsed time in hours, hours and tenths, minutes and minutes and tenths. Total register ranges up to 10,000 hours. For 120 and 240 volts, 50 and 60 cps; or 115 volts, 400 cps. Hermetically sealed or dust tight. Clock or odometer reading.

APPLICATION ENGINEERING SERVICE

Haydon is the only manufacturer of timing motors and devices that offers you both a complete product line and a complete Field Engineering Service . . . through the Haydon Representative conveniently located in your area. A specialist in Time and Timing, this man can help you save time and costs by helping you get the RIGHT TIME for your needs the FIRST TIME!

WRITE FOR DETAILED INFORMATION.

Haydon AT TORRINGTON — TIMING MOTORS and DEVICES

500 EAST ELM ST., TORRINGTON, CONN.

DIVISION OF GENERAL TIME CORPORATION

AUDIOSEARS

FOR MILITARY COMMUNICATIONS,

*These items are currently in production from our own tools in our modern plant. *Full compliance with all military specifications, including packaging, assures uniformity of product — and low price. Deliveries on schedule will reduce your inventory problem.*

H-108B HANDSET HEADSET

A ruggedized telephone supervisory set made to MIL-H-26827 is illustrated. Also available as single handset-headset H-108A and as double phone set H-163. Can be used without cushions.

Terminations, other than standard CX-1245/U switch cord shown below for microphone control, may also operate relay or provide for other plugs.

SWITCH CORDSET CX-1245/U

Per MIL-H-26827. Cord-thru types, for special applications, give press-to-talk or lock-on action.

H-33G/PT HAND SET

H-33G/PT has improved switch and transmitter mounting with coiled cord. Functions interchangeably with H-33F and also with straight cord type H-33E. All are per MIL-H-11134B.

H-63/U HEADSET MICROPHONE

H-63/U Headset-microphone is fully adjustable, under-helmet type for noisy environments — made to MIL-H-11190A.

**Also See Electronic Engineers Master (eem) 1959, page 458.*

Audiosears, now operating increased manufacturing and warehousing facilities, assures efficient compliance with military contractors needs — strictly to current specification or to customers problems. Engineering services promptly provided — without obligation.

AUDIOSEARS
CORPORATION
ROXBURY, NEW YORK
DELAWARE COUNTY

when rf power must be absorbed or accurately measured...

50 OHM NOMINAL

You will find dependable coaxial line instruments and accessories at Bird Electronic. Specialization in this field, backed by a constantly growing engineering staff and enlarged physical facilities, has resulted in the continuous development of new designs to meet specific requirements. If you are searching for more than a standard product for field or laboratory use, turn to Bird Electronic. Our years of experience in this field may assist you in the solution of your problem.

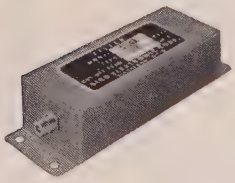
New 2—30 mc Plug-In Elements Usable With New Or Existing Model 43 Wattmeters

"Thruline" DIRECTIONAL RF WATTMETERS

Direct reading . . ."thru" type . . . for measuring forward or reflected power in complete systems under operating conditions . . . inserted between transmitter and antenna or load . . . full scale power and frequency range determined by plug-in elements.

Model	Line	Impedance	Frequency ELEMENTS	Power	Connector
43	RG-8/U etc.	50 ohms	25-60; 50-125 100-250; 250-500; 400-1000 mc	10; 25; 50; 100; 250; 500 W	N; C; HN; UHF
4712	1⅝	50 ohms	200-500 400-1000 mc	.5; 1.0; 1.5; 2.5; 5.0 KW	Rtma Std.
460	3⅛	50 ohms	200-500 mc	1; 2.5; 5; 10 25; 50 KW	Flange
480	3⅛	51.5 ohms	400-1000 mc		Sleeve Bullet
490	6⅛	51.5 ohms	200-500 mc	25; 50 and 100 KW	

COAXIAL RF FILTERS



Designs utilize both distributed and lumped constant . . . insertion loss and VSWR are very low in pass band . . . high attenuation in stop band . . . new miniature filters as light as 5 ounces. Will produce in quantity to your specs.

	Low Pass	Low Pass	Low Pass	Low Pass	High Pass	Band Pass
Models	5310	5311	522	819-1200	530	5131
Cut Off	90 mc	160 mc	400 mc	1200 mc	420 mc	45 mc & 105 mc
Stop Band	100-180 mc	180-320 mc	500-1200 mc	1900-4000 mc	100-375 mc	33.7-39.7 mc 120-1000 mc
Max. Power	100W	100W	150W	3.5KW	50W	25W
Min. Stop Band Atten.	55db	55db	55db	40db	60db	25db 40db
VSWR in p.b.	1.5	1.5	1.35	2 to 1	2.5	1.6
Connectors	Female N		Male-Female N			Female BNC

Chart shows characteristics of typical Filters

"Termaline" RF ABSORPTION WATTMETERS

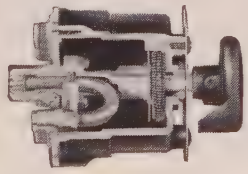
Portable . . . direct reading . . . non-radiating "load" type wattmeter . . . used in field or laboratory to measure and absorb power . . . accuracy ± 5% of full scale . . . VSWR 1.1 to 1 maximum over operating range.

Model	Freq. Range	Max. Power	Power Range Scales	Input Connector
611	30-500 mc	60W	0-15; 0-60	Female N
612	30-500 mc	80W	0-20; 0-80	
67	30-500 mc	500W	0-25; 0-100; 0-500	Coplanar with Adapter to UG-21/U. (optional) RG-17 & RG-19 cable assemblies: adapters to rigid lines
67C*	30-500 mc	2500W	0-100; 0-500; 0-2500	
824*	30-220 mc	5000W	0-5000	

*Water cooled (other available models described in specification sheets)

COAXIAL SWITCHES

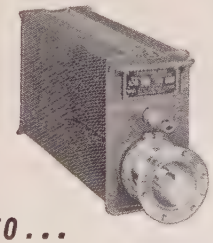
Small compact design permits the "Coaxwitch" selector to be incorporated into many electronic units where repeated channel switching is required. Finger-tip operation: pull knob, rotate and push in to make contact.



Model	74	718	72R	62-2
Positions	Six	Eight	Reversing Switch	Two
Coaxial Circuits	One	One	Two	Two
Connector	Type N female connectors are standard on all models to receive UG-21/U series plug. Use adapters with other cables and connectors.			

"Termaline" RF LOAD RESISTORS

Reflection-free terminations for 50 ohm coaxial lines . . . low VSWR . . . non-radiating . . . water cooled ratings 2500 W to 50 KW . . . air cooled rating to 1500 W.



Model	Max. Power	Freq. Range	Max.* VSWR	Connector
80	5W	0-1KMC	1.1	"N", "C", "BNC"
80A	20W	0-500MC	1.1	N Female
81	50W	0-1KMC	1.1	
81B	80W	0-1KMC	1.1	
82A	500W	0-1KMC	1.1	Coplanar with Adapter to UG-21/U
883	1.2KW	0-1KMC	1.1	LC
888	1.5KW	0-1KMC	1.1	3⅛ Flanged

*Other VSWR requirements can usually be met by special selection.

turn to...

BIRD ELECTRONIC CORP.
CHurchill 8-1200
30303 Aurora Road, Cleveland 39, Ohio
Western Representative:
VAN GROOS COMPANY, Woodland Hills, Calif.

No other terminal block — sectional or one-piece gives you all the advantages of

BUCHANAN
MD sectional pres-SURE-blocks

NO WASTE CIRCUITS—Reduce material costs, save space. Supplied assembled in 20 snap-fit section lengths. Pull off or add groups for any length block.

SMALLER INVENTORY—Only 2 different parts (contact and end sections). No running out of needed items.

MORE CIRCUITS IN AVAILABLE SPACE—Increase contact capacity, decrease jumpering. Group common wires (equivalent to 1 #22 thru 1 #8) in tubular contacts. Contacts on 7/16″ centers. 10 circuits 4 7/16″, plus 21/32″ for each complete block.

NO TERMINALS OR LUGS—Eliminate lugging costs. Tubular contacts provide secure, efficient connections.

NO HIDDEN CIRCUIT MARKINGS—Unobscured top marking area minimizes errors. Integral or separable strips.

QUICKER TO INSTALL AND CHANGE—Hand assembled, no fixtures or hardware. Mount only every 12 sections. Add circuits without removing mounting screws.

LOW INSTALLED COST—Competitive with conventional blocks of similar rating.

Separate Sections or Factory-Assembled Blocks
Flat Base or Channel Mounting • Tubular or Strap-Screw Contacts
Fanning Strips • Conservative 750-volt A.I.E.E. rating

Tubular contacts fully approved by U.L. Blocks fully approved for 600 V by C.S.A.

Write for Bulletin EB-60.

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Hypalox®
alumina ceramics

for exacting applications...

hardness of sapphire . . .

high mechanical strength...
compressive, tensile and flexural strengths, resistance to impact, vibration, and thermal shock.

low electric losses . . .
at extreme temperatures and frequencies.

chemical inertness . . .
All are characteristic of the high purity of **HYPALOX.**®

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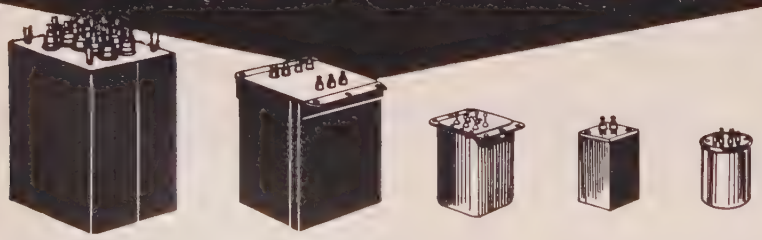
TRANSFORMERS



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HI-VOLTAGE FILAMENT • OIL-FILLED • OPEN • CASED • ENCAPSULED

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- Designed to commercial and military specifications (MIL-T-27 and AN-E-19). Also Class A-B-H and miniatures. Sample short and long runs. Let us quote on your specifications. No obligation. ***DELIVERY AS PROMISED!***

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BOX 298, WALLKILL 1, N. Y.

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DESIGNED TO YOUR SPECIFICATIONS

Call us for advanced filters & wideband transformers

Whether for quality commercial or military—when you want the finest in precision and the most dependable in delivery—specify filters by North Hills Electric . . . specialists in custom production of toroids, filters and wideband transformers.

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AUTOTRONICS INC.

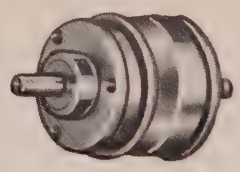
Florissant, Mo.

GROWING LINE OF **QUALITY** ELECTRO-MECHANICAL DEVICES AND RELATED EQUIPMENT

CLUTCH and BRAKE COMBINATIONS

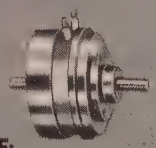
TYPE: Electro-Magnetic
STANDARD LINE: 5 sizes in 12 models
TORQUE RANGE: 1 to 100 oz. in.

SLIP CLUTCHES



STANDARD LINE: 5 sizes
SIZE RANGE: .375 to 1.125 in. dia.
TORQUE VALUES: To specifications

PANCAKE CLUTCH/BRAKE COMBINATIONS



TYPE: Electro-Magnetic
STANDARD LINE: 5 sizes 12 models
SIZE RANGE: .750 to 1.500 in. dia.
TORQUE RANGE: 2 to 100 oz. in.

PRECISION SPEED CHANGERS GEAR ASSEMBLIES

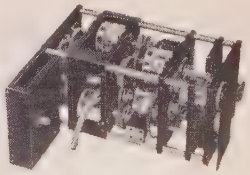
Designed and manufactured to your specifications
GEARS: To class 3 precision

ENGINEERING ASSISTANCE AVAILABLE

A.I.M. CLUTCH/BRAKE COMBINATIONS

TYPE: Electro-Magnetic
STANDARD LINE: 4 models
SIZE RANGE: 1.125 in. dia.
TORQUE RANGE: 40 to 160 oz. in.

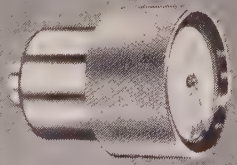
MULTI-SPEED DEVICES



Designed and manufactured to your specifications

25 speed transmission illustrated

TORQUE INDICATOR

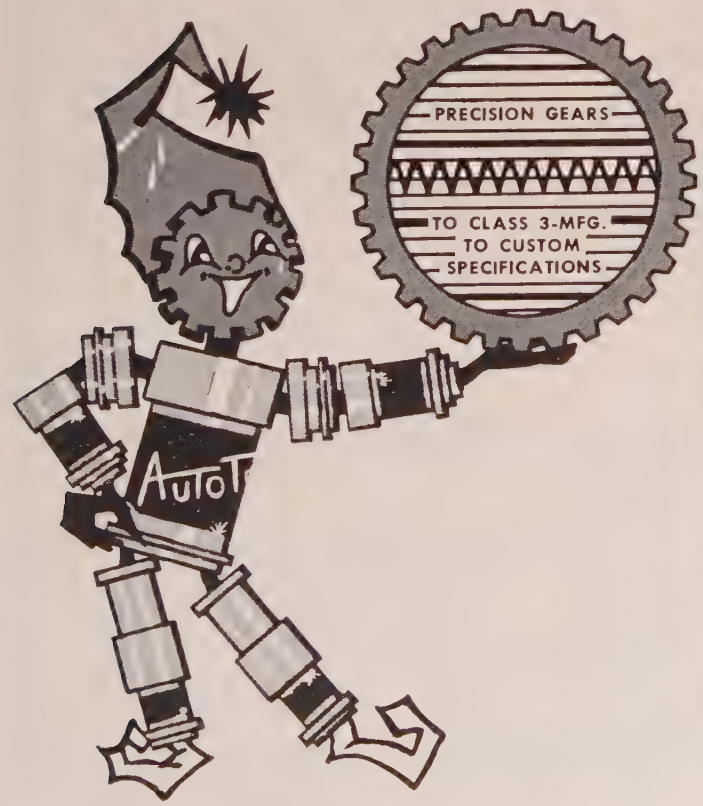


STANDARD LINE: 6 models
TORQUE RANGE: 1.5 to 200 oz. in.
TOLERANCE: Total from mean 2% or 5%
SIZE: 1.87 in dia. by 2.75 in. long

LABORATORY POWER SUPPLIES

TYPE: Solid state
VOLTAGE: Variable 0 to 50 V.D.C.
REGULATION: .02% no load to full load
FEATURES: ON-OFF load switching
Low output impedance

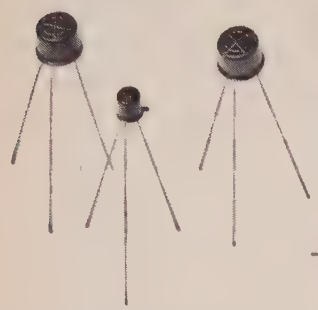
AUTOTRONICS can furnish integrated assemblies of clutches and integral gears. Sub-systems incorporating servos, synchros, potentiometers, shaft assemblies and clutches are engineered to your requirements.



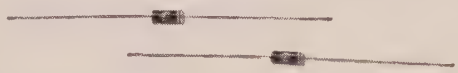
AUTOTRONICS INC. Florissant, Mo. TEmple 7-3565

FAIRCHILD DIFFUSED SILICON TRANSISTORS AND DIODES

Providing an unmatched combination of speed, power and reliability in computer switching and in RF and video amplifiers and oscillators



Today's widespread preference for diffused silicon transistors in high-performance, high-reliability applications has resulted from their unique combination of characteristics: very high gain-bandwidth product, large power dissipation, low saturation resistance, uniformity of parameters and outstanding reliability (300° C stabilization is standard Fairchild production practice). Their high performance applies over a very wide range of current, frequency and temperature, hence one Fairchild type can replace numerous earlier, more restricted types. Fairchild pioneered large-scale production of diffused silicon transistors and today offers the broadest line.



TRANSISTORS—Fairchild Diffused Silicon Types

Types	Description	JEDEC Outline	f_t Typical	P_C @ 25°C Case Temp.	h_{FE} (Min.)	h_{FE} (Max.)	V_{CER}	V_{CBO}	V_{BE} SAT (Max.)	V_{CE} SAT (Max.)	I_{CBO}† @ 25°C (Max.)
2N696 & 2N697	General purpose types for switching, RF and DC applications over a wide current range	TO-5	90 mc	2 watts	20	60	40 V	60 V	1.3 V	1.5 V	1.0 μA
			120 mc	2 watts	40	120	40 V	60 V	1.3 V	1.5 V	1.0 μA
2N698 & 2N699	High voltage types particularly suited to video amplifiers and RF oscillators	TO-5	90 mc	2 watts	20	—	80 V	120 V	1.3 V	5 V	2.0 μA
			120 mc	2 watts	40	120	80 V	120 V	1.3 V	5 V	2.0 μA
2N706	Logic transistor for very high speed switching in low current saturated circuits	TO-18	400 mc	1 watt	20	—	20 V	25 V	0.9 V	0.6 V	0.5 μA
2N707	VHF oscillator type	TO-18	45% @ 100 mc*	1 watt	9	—	28 V	56 V	0.9 V	0.6 V	5 μA
2N1131 & 2N1132	PNP complements to the 2N696 and 2N697 suitable for identical uses in opposite polarity	TO-5	50 mc	2 watts	15	45	−30 V	−40 V	−1.5 V	−1.5 V	1.0 μA
			60 mc	2 watts	30	90	−30 V	−40 V	−1.5 V	−1.5 V	1.0 μA
2N1252 & 2N1253	Low storage types optimized for high current saturated switching circuitry	TO-5	80 mc	2 watts	15	45	20 V	30 V	1.3 V	1.5 V	10 μA
			100 mc	2 watts	30	90	20 V	30 V	1.3 V	1.5 V	10 μA
2N717 & 2N718	General purpose types for switching, RF and DC applications over a wide current range	TO-18	90 mc	1.5 watts	20	–	40 V	60 V	1.3 V	1.5 V	1.0 μA
			120 mc	1.5 watts	40	120	40 V	60 V	1.3 V	1.5 V	1.0 μA
2N1613	A UNIVERSAL TYPE: Fast switching (logic and high current) Amplifiers (low level, low noise, wideband, VHF power)	TO-5	100 mc	3 watts	30	—	40 V	75 V	1.3 V	1.5 V	25 mμA††

*Oscillator efficiency †I_{CBO} measured at 50% of V_{CBO}. ††I_{CBO} measured at 60 V.

DIODES—Fairchild Diffused Silicon Types

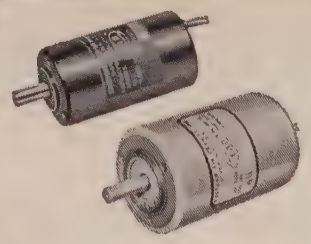
Type	Description	Reverse recovery time (Max.)	Maximum power dissipation (Max.)	Capacitance at 0 volts bias (Max.)	Breakdown voltage (Min.)	Reverse current (Max.)	Forward voltage drop at I_F=10 ma (Max.)
FD-100	Ultra-fast computer diode	4 mμs	200 mW	2 μμf	75 V	.100 μA	1 V

* FD200 1N251 1N903 1N904 1N905 1N906 1N907 1N908 1N914 1N916 1N903A 1N904A 1N905A 1N906A · 1N907A 1N908A 1N914A 1N916A

**Specification sheets available with comprehensive data on all types shown and on additional types announced subsequent to this printing.*

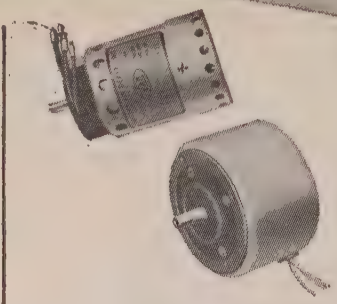
FAIRCHILD SEMICONDUCTOR CORPORATION 545 WHISMAN ROAD / MOUNTAIN VIEW, CALIFORNIA / YORKSHIRE 8-8161
with manufacturing facilities in Mountain View — Palo Alto — San Rafael

Two Decades of Leadership in SMALL ROTATING ELECTRICAL EQUIPMENT



MOTORS

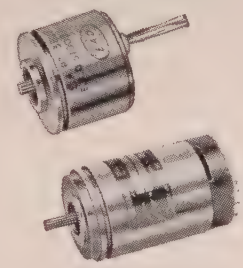
Sub-fractional and fractional motors in the induction and hysteresis – reluctance synchronous types with associated gear reductions. Available in 50, 60 and 400 cycles, single, dual and variable frequency; also dual voltage. For single, two and three phase operation. Horsepower from 1/3500 to ½. Diameter from 1″ to 6⅝″.



ALTERNATORS

From 1″ diameter to 6⅝″ diameter. Power up to 1000 VA. Wide frequency range, low harmonic content – delivers sine wave with 2% or less total distortion. Single, dual (sine-cosine) and three phase. For special applications, dual frequency units produce a combination of frequencies.

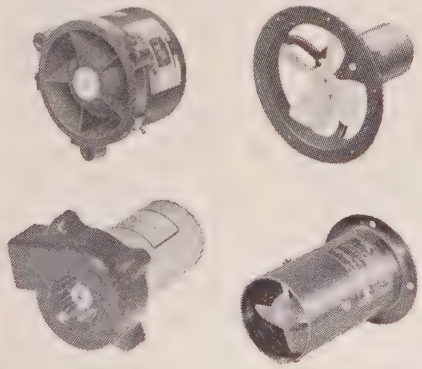
SERVO MOTORS AND INERTIALLY DAMPED SERVO MOTORS



As the basic actuating device in AC automatic control systems, EAD's high performance servo motors are designed to meet exacting requirements for good dynamic response, reliability in extreme environments, electrical efficiency and ready availability. EAD offers a range of frame sizes beginning with the utmost miniaturization. Variations include special lead locations, voltage and power ratings aimed at transistor operation, precision gear heads and adaptation to unusual environmental conditions to 150°C. Inertially damped servo motors in sizes 8, 11 and 15.

TACHOMETER GENERATORS

Widely used in automatic control systems, EAD's line of precision tachometers have the stability and performance characteristics for application as integrator units in analog computers, as damping tachometers in positioning control systems and for direct speed control. Integrating units include temperature compensations for high accuracy. Special voltages and scale factors and different compensations may be provided to suit individual requirements.



BLOWERS and FANS

A complete line of light weight centrifugal blowers, ring mounted fans and vane axial fans for cooling electronic equipment and for general purpose use. Capacities up to 1000 cfm with special designs available for high static pressures. Single and double ended; 50, 60 and 400 cycle and variable frequencies (360-1600 cycles).

For nearly two decades Eastern Air Devices has been meeting critical performance and reliability requirements for today's systems designers with small, precision rotating electrical equipment...High quality products created through the approach to rotation as a "science." Whether special designs or standard lines, you'll find EAD ready and able to meet your critical needs.

EASTERN AIR DEVICES INC.
A Div. of Norbute Corp.
385 Central Ave., Dover, New Hampshire

SEND FOR OUR CATALOG containing complete technical data

BUILD ON . . .

Eastern

TEMPERATURE CONTROL EXPERIENCE

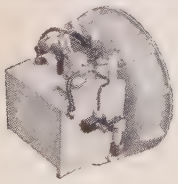
REFRIGERATION COOLING

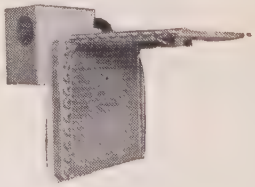
Sensitive aircraft and missile components and systems often require temperature control within close limits — while ambient temperatures fluctuate widely. Eastern refrigeration-type cooling systems are ideal for such conditions.

Designed for the strictest military requirements, these vapor-cycle closed-system packages are built around a highly efficient compressor powered by a special 400-cycle motor. Unique condensing and special cooling methods are called upon to meet the most unusual operating requirements, the most demanding specifications.

Capacities range from 100 to 6000 watts; operating altitudes extend to 100,000 feet. Some units, of the "boil-off" type, perform almost without regard for extremes in altitude and temperature.

Call on Eastern for imaginative solutions to *all* avionic cooling problems . . . and write for new Bulletin 360.





other refrigeration units for aircraft and missile electronics

PIONEERS OF THE THERMAL FRONTIER

EASTERN INDUSTRIES INCORPORATED
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HAMDEN 14, CONN.

Eastern AVIATION PRODUCTS

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Serving America's leading manufacturers of electronic and military equipment.

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Any size, shape or style. Engraved, lithographed, etched or silk-screened in any metal or plastic. Hairline accuracy assured. Approved under MIL-P-7788 for edge-lit panels and dials.

CABLE MARKERS

Any shape or size. Embossed, stamped, etched or engraved in aluminum, brass or stainless steel. Furnished blank, lettered or numbered. Enameled any color.

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New concept in nameplates . . . in multi-colored anodized aluminum foil. Any size, shape, color or finish. Any type adhesive backing.

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MIL-SPEC KNOBS

In stock! For immediate delivery! And produced by National!... a complete line of standard plastic control knobs made in conformance with MS-91528. There are four basic types: round, pointer, spinner (each with or without skirts) and dial skirted round . . . available in three different shaft sizes. Finishes are gloss, matte, or to your color specifications . . . in all Mil-Spec sizes.

Knobs: Made of plastic, type III, class H2, per Specification L-P-349. Set Screws: Cadmium plated, class 3, type II, per Specification QQ-P-416. Inserts: Brass, composition 4, hard, per Specification QQ-B-613.

COILS-FILTERS-CHOKES

National Radio Company is engaged in the manufacture of precision coil and filter assemblies. Why not let our engineering staff quote on your specific requirements? In addition to coils and filters made to customer specifications, National Radio Company can supply a wide variety of stock coils for the electronic industry. Typical of these coils are the following families:

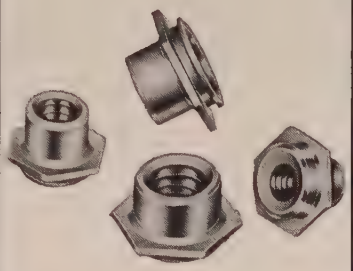
R-45 series, a new family of ferrite bead chokes for use as filament chokes, parasitic suppressors, and series elements of low-pass filters for frequencies from 5 to 200 mc. Insulated with an impregnated fiberglass sleeving, these chokes will handle 2 amperes of filament current with voltage drop of less than 0.02 volts, temperatures to the Curie point of 125°C.

R-40 series ferrite-core chokes...extremely high Q for small size. They are primarily for use in networks and filters at frequencies from 50 kc to 1500 kc, and as resonant elements in IF and RF circuits. Fungus-proof varnish impregnation per MIL-V-137A.

R-25 series MIL-inductance chokes for high frequency circuits, as filament chokes and peaking coils, inductance per MIL-C15305A, coil forms per MIL-P-14, and impregnation per MIL-V-173A.

R-33, R-50 and R-60 series RF coils are wound on molded phenolic forms per MIL-P-14 and coated with a tough, fungus-resistant varnish. R-50-10 choke is wound on a powdered-iron coil form instead of phenolic.

CAPTIVE NUTS SELF-LOCKING TYPE



Self-locking, wear-resistant, machined, stainless steel threaded inserts for use in aluminum or brass. Easily applied, their reliable grip in the parent metal as well as their self-locking ability make them ideal for the variety of purposes they are designed to serve. The complete line includes one basic type in four sizes. Each of the four sizes may be obtained for insertion into any of five metal thicknesses.

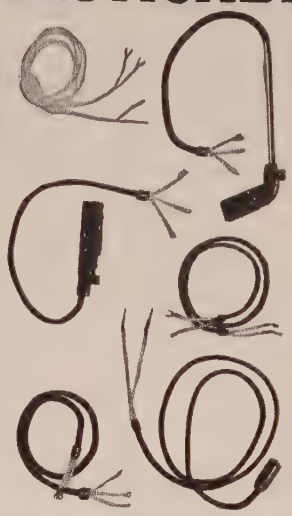
Material—Stainless steel Class 303 per FED QQ-S-763b

Finish—Passivated per MIL-P-12011

Other captive nuts and studs manufactured by National Radio Company include the line of exclusive "Flush Mount" types. Available in five sizes for use in metal thickness from 1/16" up. They provide permanent tapped holes and a flush fit on both sides of sheet.

The engineering staff will be glad to discuss your applications and possible variations to best meet your requirements.

ELASTICABLE



Elasticable is an elastic type wire, made in single and multiple conductors. It will stretch to more than three times its relaxed length.

This unique elastic characteristic in a straight (not coiled or spring loaded) extra flexible wire gives the designer a new material to further his design concepts and assist him in solving heretofore impossible design problems.

Five types, three commercial and two military are available as stock items. A sample specification of one type is:

Type 2—Core. . . . .natural rubber
Insulation. . Nylon (braided)
Conductor. . bronze tinsel
Diameter. . .⅛" approx.
Resistance. .1.0 ohm per ft. approx.
Elongation
single conductor. 300%
multiple conductor. . . .275%
Operating temperature
range . . . . . −25°C to +85°C

National Radio is providing many companies with complete assemblies incorporating special terminations, molded parts and custom mechanical configurations. The Elasticable Application Engineering group is available to discuss electric and mechanical characteristics, applications and terminations. Why not let them quote on your finished Elasticable cable assembly?

OTHER NATIONAL COMPONENTS

In addition to knobs, chokes, drives and captive hardware, National Radio Company also manufactures a complete line of dials, coil forms, condensers, tanks, grid and plate caps, IF transformers, tube and crystal sockets, ceramic insulators, bushings, spreaders, couplings, terminal assemblies, other electronic and electro-mechanical components. For specific design or development applications problems, write or call.

National RADIO COMPANY, INC.

MELROSE 76, MASSACHUSETTS • NORMANDIE 5-4800

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A complete, flexible product line of reliable, precision subminiature potentiometers from DAYSTROM

More than 32 basic models . . . many exclusive and unique features . . . over 252 variations for military and industrial use.

Series 300 Series 301 Series 315

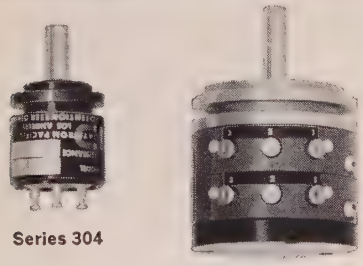
FULL SIZE—U.S. PATENT 2,880,293

SQUARETRIM POTENTIOMETERS

"the world's smallest trimmers"

for high resolution, minimum space requirements in airborne, missile, and ground instruments and systems applications where stability is a vital requirement.

These tiny SQUARETRIM models have an exclusive square shape for optimum packaging that allows stacking as many as twenty units into one cubic inch. Other features: more accurate trimming—almost one-third more turns per sweep than conventional models . . . greater stability through an exclusive worm gear adjusting device and the unique circular design of the mandrel.



Series 304

Series 319 (2 gang)

FULL SIZE—PATENTS PENDING

SINGLE-TURN POTENTIOMETERS

highest quality potentiometers, designed for exceptional linearity and maximum reliability and accuracy in applications where space is at a premium.

These series are small, compact, highly precise potentiometers. Typical examples: Series 304 utilize precision winding techniques that give linearity from 0.3% to 3%; a design that provides at least a 500,000 cycle service life. High temperature Series 314 (−55°C to +250°C) meets or exceeds latest environmental military specifications. Series 319 can be ganged without the use of bulky clamp rings . . . with each wiper positioned independently to meet any phasing need.

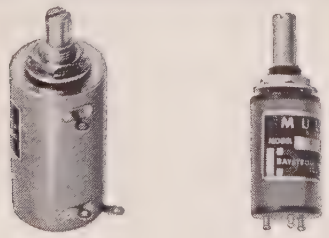
Series 341
(3 turn) →
← (10 turn)

FULL SIZE—U.S. PATENT 2,856,493

MULTI-TURN HIGH PRECISION POTENTIOMETERS

for rigorous temperature, altitude and vibration requirements in aircraft and missile applications.

Smallest package of its type, the Series 341 meets the most exacting performance requirements and is built to withstand severe vibrations or shock, eliminate backlash and reduce phase shift to negligibility. Standard models are ten-turn; models also available in 3 and 5 turns.



Series 410 Series 450

HALF SIZE—U.S. PATENT 2,900,614

MULTIPOT® POTENTIOMETERS

for low-cost requirements in general test equipment and computer applications.

All the MULTIPOT potentiometers provide a high degree of reliability and accuracy without the penalty of premium price. Precision winding techniques ensure exceptional resolution and desirable performance characteristics in a small, efficient package.

For complete specifications write for Data File EBG-880-1.

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PACIFIC DIVISION
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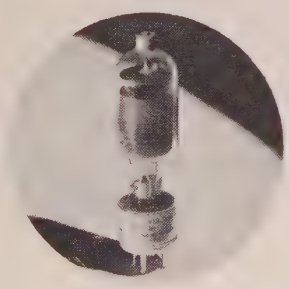
ELECTRONIC TUBES FOR INDUSTRY

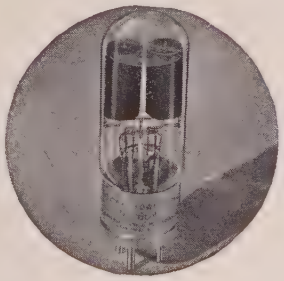
NL-1051A IGNITRON

NL-1052A IGNITRON

NL-3C23 THYRATRON



NL-740 THYRATRON



NL-604 RECTIFIER

WRITE FOR INDIVIDUAL TUBE DATA SHEETS FOR FULL DETAILS.

IGNITRONS

TYPE NUMBER	VOLTS	MAXIMUM RATINGS: Maximum Demand	Corresponding Current DC-Amps	Maximum Current DC-Amps	Corresponding Demand	TYPE OF COOLING
NL-1001	250–600	150 Kva	4.9	9.0	50 Kva	Convection
NL-1005	250–600	600 Kva	30.2	56	200 Kva	Forced air
NL-1009	250–600	1700 Kva	120	220	570 Kva	Water
NL-1011A	250–600	600 Kva	30.2	56	200 Kva	Water
NL-1012A	250–600	1200 Kva	75.6	140	400 Kva	Water
NL-1013A	250–600	2400 Kva	192	355	800 Kva	Water
NL-1014	250–600	4800 Kva	486	900	1600 Kva	Water
NL-1022A	1500 peak	1200 peak	16	56	336 peak	Water
NL-1051A	250–600	600 Kva	30.2	56	200 Kva	Water
NL-1052A	250–600	1200 Kva	75.6	140	400 Kva	Water
NL-1053A	250–600	2400 Kva	192	355	800 Kva	Water
NL-1054	250–600	4800 Kva	486	900	1600 Kva	Water
NL-5550	250–600	300 Kva	12.1	22.4	100 Kva	Water clamp

THYRATRONS

TYPE NUMBER	GAS FILLING	DC OUTPUT AMPS	PEAK RATING AMPS	PEAK INVERSE VOLTS	FILA-MENT VOLTS	FILA-MENT AMPS	TYPE OF COOLING
NL-3C23	Gas & Merc.	1.5	6	1250	2.5	7	Convection
NL-632B	Mercury	2.5	30	1500	5.0	4.7	Convection
NL-710L	Gas & Merc.	2.5	30	1500	2.5	9	Convection
NL-710/6011	Gas & Merc.	2.5	30	1500	2.5	9	Convection
NL-714	Gas & Merc.	1	3	1250	2.5	5	Convection
NL-715/5557	Mercury	1	3	5000	2.5	5	Convection
NL-716	Gas & Merc.	1	8	1250	2.5	6.3	Convection
NL-720,L	Gas & Merc.	2.5	30	1500	2.5	9	Convection
NL-732	Gas & Merc.	30	225	1500	2.5	55	Convection
NL-740,L,P	Gas & Merc.	4	50	1500	2.5	16	Convection
NL-760,L,P	Gas & Merc.	6.4	77	1500	2.5	21	Convection
NL-778,L,P	Gas & Merc.	6.4	110	1500	2.5	21	Convection
NL-5560/FG95	Mercury	2.5	15	1000	5.0	4.5	Convection
NL-5632/C3J,L	Inert Gas	2.5	30	1250	2.5	9	Convection
NL-5665/C16J	Inert Gas	18.0	160	1250	2.5	31	Convection
NL-5684/C3J/A,L	Inert Gas	2.5	30	1250	2.5	9	Convection
NL-6014/C1K	Inert Gas	1	8	1250	2.5	6.3	Convection

HALF WAVE RECTIFIERS

NL-614	Inert Gas	2.5	15	900	2.5	8.5	Convection
NL-615	Mercury	2.5	10	2000	2.5	7	Convection
NL-617	Mercury	5	20	1000	2	12	Convection
NL-618,L,P	Inert Gas	6.4	40	900	2.5	18	Convection
NL-619	Mercury	6	20	300	2	12	Convection
NL-623	Mercury	15	45	500	2.5	20	Convection
NL-635,L,P	Gas & Merc.	6.4	77	1000	2.5	18	Convection
NL-643	Mercury	15	90	700	2.5	23	Convection
NL-649/5834	Mercury	2	10	900	2.5	7	Convection
NL-653/5835	Mercury	3	12	900	2.5	10	Convection
NL-664L	Gas & Merc.	10	120	1000	2.5	25	Convection

FULL WAVE RECTIFIERS

NL-604,L	Gas & Merc.	2.5	10	900	2.5	11.5	Convection
NL-606,L	Gas & Merc.	6.4	25.6	900	2.5	17	Convection

HIGH VOLTAGE
EQUIPMENT

by

- DC Power Supplies from 1 KV to 300 KV; up to 50 KW.
- Regulated High Voltage Power Supplies.
- High Voltage AC and DC Test Equipment.
- Complete Line of High Voltage Transformers.
- High Voltage Accessories.

MOST UNITS AVAILABLE FROM STOCK.

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SPECIAL CABLES

- Dial Cables
- Extra-flexible small diameter cables
- Antenna strands and cables
- Guy Cables

MADE OF
STAINLESS STEEL
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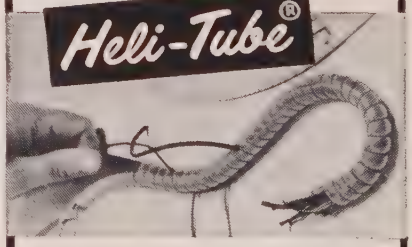
Bind Wires Fast... At Low Cost with



HELI-TUBE is a spirally-cut plastic tubing. Its shape-retaining characteristics make it ideal for binding electrical wires into cables. Wraps on like tape; holds wires together tightly; individual wires, taps, or lead-offs can be led out at any point. Earns cost back in time and labor-saving.

Available in 5 forms . . .

- **Clear** for general applications
- **Nylon**—wide temperature range . . . very light weight
- **Ultraviolet-Resistant**
- **Fire-Resistant**
- **Type 275°F** (High-temperature)

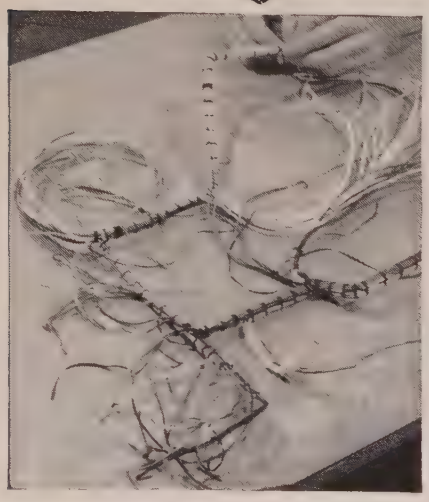
Each form in three diameters:

Instrument Size: 1/8" O.D. — for bundles up to 1/2" dia.
Harness Size: 1/4" O.D. — for bundles up to 2" dia.
Giant Cable Size: 1/2" O.D. — for bundles up to 4" dia.

At your distributor for immediate delivery or write

M. M. NEWMAN CORPORATION, DEPT. 15
79 Clifton Ave., Marblehead, Mass.

GUDELACE is engineered for problem-free lacing



It's no accident that Gudelace is the best lacing tape you can buy. Excellence is *engineered* into Gudelace. A sturdy nylon mesh is meticulously combined with the optimum amount of special microcrystalline wax. Careful selection of raw materials and superior methods of combining them give Gudelace outstanding strength, toughness, and stability. Gudelace is the original *flat* lacing tape which distributes stress evenly over a wide area. It is engineered to stay flat; it will not stretch out of shape when pulled. Gudelace's nonskid surface prevents slipping, eliminating the too-tight pull that causes strangulation and cold flow. Durability and dependability make Gudelace your most economic buy—with no cut insulation, fingers, or feelings.

Write for Data Book with specifications on Gudelace and Gudebrod's complete line of braided lacing tapes and dial cords—Temp-Lace, Stur-D-Lace, and Gude-Glass.

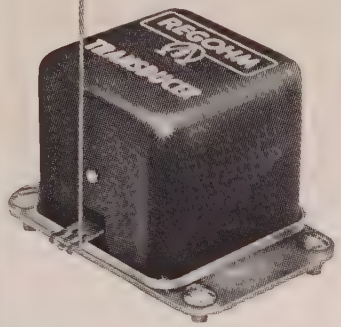
GUDEBROD
BROS. SILK CO., INC.

Electronic Division
225 West 34th Street, New York 1, N.Y.

Executive Offices
12 South 12th Street, Philadelphia 7, Pa.

Converts mechanical motion into electrical action . . .

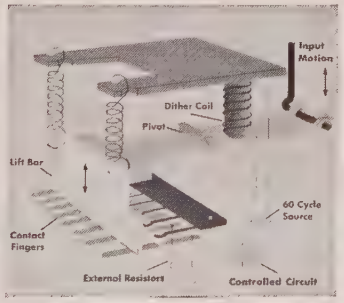
(less than ⅛ inch into ¼ kilowatt levels)



REGOHM TRANSDUCER

How the REGOHM TRANSDUCER operates:

Input motion to LINKAGE ROD presses LIFT BAR against row of CONTACT FINGERS. Opening in sequence, the fingers control EXTERNAL RESISTORS. Smooth, stepless resistance changes occur as the DITHER COIL, energized by a 60-cycle source, moves the LIFT BAR rapidly between two or more fingers. The result: a compact controller, direct-acting, without complex amplifiers.



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- System Stabilization
- Vibration Damping
- Time Delay

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With its precision bore glass cylinder and graphitized carbon piston, the AIRPOT is equipped for a wide diversity of applications. Among its many uses are vibration damping in rate gyros, time delay in coin mechanisms, stabilization of instrument recording pens and damping of the REGOHM precision voltage regulator.

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ONE OR TWO WAY DAMPING: Push or pull or push-pull
SIMPLE SCREWDRIVER ADJUSTMENT
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CHOICE OF CYLINDER LENGTHS to suit application

Find out how this unusual component can solve one of your engineering problems. Complete description and specifications on request.

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We pioneered in the design, development and production of the first completely solid state telemeters, PDM, PAM and PCM systems qualified for use in ICBM programs.

Our technical specialization has enabled us to produce what have proven to be the most advanced Telemetry systems available today. ***For information relating to your specific requirements contact:***

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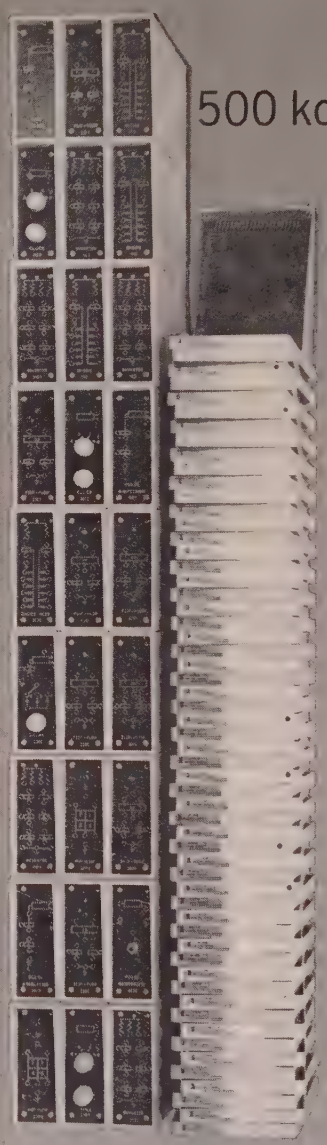

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15 ACCESSORY UNITS

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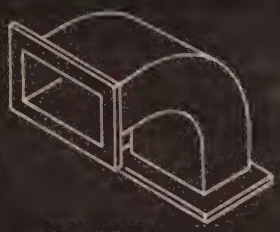
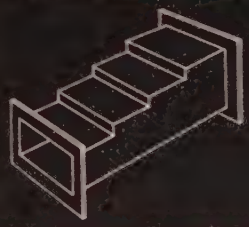


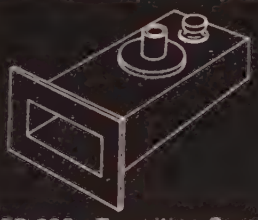
EP 040 Sweeps

EP 060 Step Twisters

EP 110 Slotted Lines



EP 221 Stepped Transformers



EP 230 Transition Coax

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With the introduction of waveguide components WR-770 through WR-2300, I-T-E now offers you an unsurpassed variety of stock waveguide components with inherent dependability and quality.

These I-T-E waveguide are compatible with current E.I.A. standards and feature maximum power capability while offering low attenuation and minimum VSWR.

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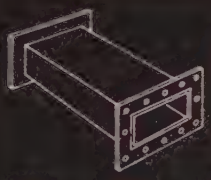
All components are detailed in I-T-E's LARGE WAVEGUIDE CATALOG. Secure your copy by writing to Special Products Division, I-T-E Circuit Breaker Company.



WR-770 WR-2300

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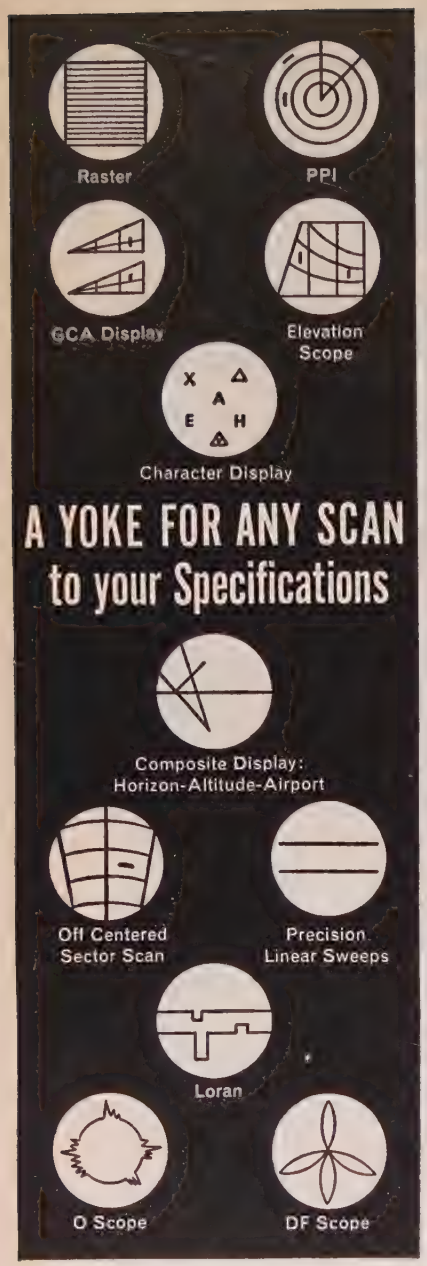

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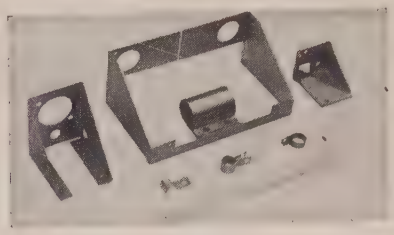
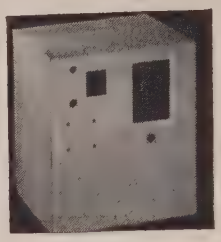
METAL FABRICATION
PANELS • CHASSIS • ENCLOSURES





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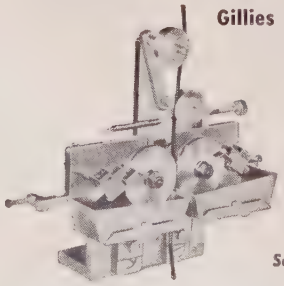

Gillies Engraved Concave or Flat Wheels are widely used for printing on rubber or plastic coated wire, for code or manufacturer identification. Machines print on ONE or BOTH SIDES in large legible letters. Wheels adaptable to any machine or we will supply machines. Wheels, shafts, ink pans and all accessories readily removable for quick and easy cleaning. Wheels of TOOL STEEL, HARDENED to Rockwell test 61-64 and HARD CHROME PLATED.

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WITH THE MOST COMPLETE LINE OF AUTOMATIC COIL WINDING EQUIPMENT EVER OFFERED TO THE ELECTRICAL/ELECTRONICS INDUSTRIES

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For automatic or semi-automatic winding of multi-layered coils requiring paper interleaving.
FEATURES:
Can be set for automatic and semi-automatic interleaving of insulating paper
Stepless adjustment of wire guide even when machine is winding
Automatic paper length control as diameter increases
Automatic cut-off at pre-set number of turns with accurate 5 figure turn counter and zero set-back
Winds up to 4 flangeless coils simultaneously

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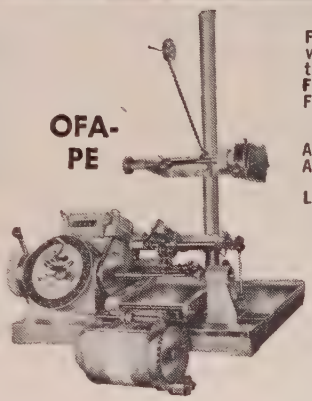


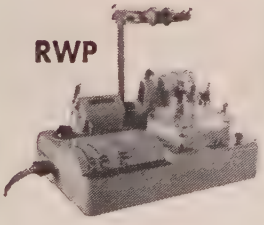
For continuous and sector winding of regular and miniature (narrow opening) toroids.
FEATURES:
Friction driven shuttle and wire guiding for controlled winding tension
Adjustable winding speed
Automatic cut-off, pedal on-off
Large magazine storage — holds enough 32-44 A.W.G. for winding several toroids

RWO

AWO

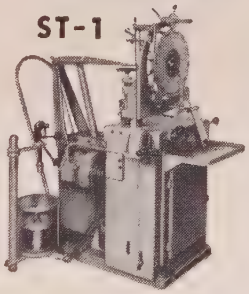
Semi-automatic for winding 2, 4 or 6 pole straight or skewed slot armatures.
FEATURES:
Quick set-up and change-over
Adustable wire guide blades
Automatic cut-out at pre-set number of turns
Hand controlled starting and automatic slot to slot advance
Provisions for V-winding

RWP



For automatic winding of high precision sine-cosine and linear potentiometers.
FEATURES:
Automatic shut-off
Adjustable wire tension
Winding speeds adjustable 0—250 R.P.M.
Core feed adjustable in increments from .00004" to .024" per revolution
Provisions for sector winding to 300°, or continuous

ST-1



ST-1 Stator Winding Machine ... for the automatic winding of 4, 6 or 8 pole single or 2 poles with reduced pitch.
FEATURES:
Winds stators directly into slots for 1/6 to 2 h.p. motors.
Adjustable for number of turns per coil, pitch, length of stroke, wire tension and winding speed.
Automatic cut-off when pre-set number of turns is reached.

There is a MICAFIL winder for every winding job.

MICAFIL, fully and semi-automatic winding machines

OFA: Fine Wire Layer Winder
OFA-P: Low Impedance Layer Winder
OFA-TS: High Speed Layer Winder (18,000 r.p.m.)
OGA: Fine to Medium Wire Layer Winder
Type II: Medium to Heavy Wire Layer Winder
Type III to VIII: Very Heavy Wire Layer Winders
RW-I to III: Toroidal Winders
RWO: Toroidal (see listing above)
RWP: Precision Potentiometer Winder
ST-I: Stator Winder
AWO: Small Armature Winder
AWO-A: Fully Automatic Armature Winder
AWO-3000: High Speed Armature Winder (3,000 r.p.m.)
HWB: Strip-on-edge Winder
WBD: Universal Rotor Treating Lathe

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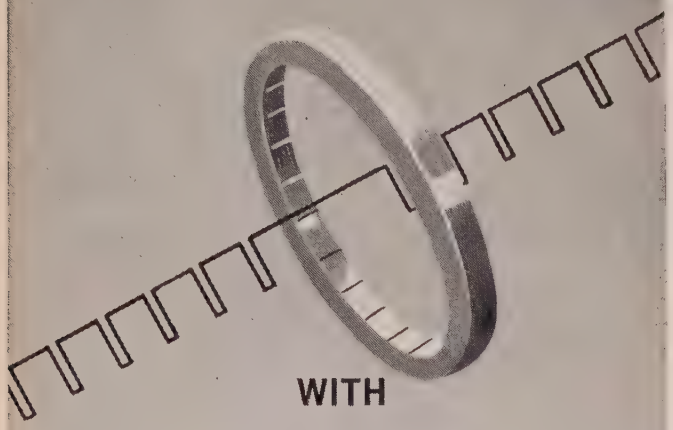

WITH

High Speed Rotary Switches

IDL Switches deliver hundreds of hours of trouble-free life with minimum bounce and resistance. As a result, data can be sampled without signal contamination even in the milli-volt signal level ranges. This reliability and performance has been achieved at reasonable cost and within strict weight and size limits.

High Speed Rotary Switches are built by IDL to MIL SPECS and to IRIG Standards. Most will withstand temperatures in the range from —55°C to + 100°C and altitudes from 0 to 100,000 ft. All have been tested for shock and vibration resistance (actual test results on request).

Part No.	No. Poles	No. Contacts	Pole Speed	Approx. size	Motor Type
No. 500416	—3 Pole	30	x 10	—2 3/4"x2 3/4"x6 1/2"	28 V. d.c.
No. 500509	—2 Pole	30	x 10	—2 1/2"x2 1/2"x4"	400 cycle a.c.
No. 500602	—2 Pole	45	x 20	—2 1/2"x2 1/2"x4 7/8"	28 V. d.c.
No. 500603	—2 Pole	30	x 30	—2 1/8"x2 1/8"x5"	28 V. d.c.
No. 500606	—2 Pole	30	x 5	—2 3/4"x2 3/4"x6 3/4"	28 V. d.c.
	2 Pole	60	x 5		
No. 500641	—3 Pole	45	x 20	—3 2/3"x3 1/8"x6"	400 cycle a.c.
No. 500659	—2 Pole	90	x 10	—5 3/4"x3 5/8"x3 3/16"	400 cycle a.c.
No. 500660	—2 Pole	30	x 5	—6 3/8"x3"x3"	28 V. d.c.
	2 Pole	60	x 5		
No. 500690	—2 Pole	60	x 60	—3 1/8"x3 1/2"x4 1/8"	400 cycle a.c.

Write for information on the standard units as shown above. Your inquiry is invited regarding adaptations of these or your special requirements in production quantities.

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Subsidiary of Royal McBee Corporation
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(BINARY DECIMAL CODING)

These lightweight reliable converters provide high speed, long life operation over wide environmental ranges. Special intermittent gearing and precision bearings provide extremely low driving torque. Rotation of the input shaft provides a non-ambiguous binary decimal output representation of shaft position through a designated number of electrically open or closed circuits.

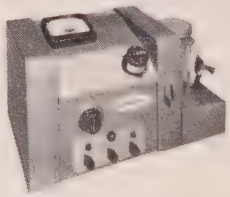
RANGE AND IDL PART NO.	1:1000—No. 500206	1:3600—No. 500406
No. of channels (tracks) required to define code	12 (plus access)	15 (plus access)
Maximum Readout Rate. bits/minute	12,000 (200 hrs.)	12,000 (200 hrs.)
Normal Readout Rate, bits/minute	1500 (1000 hrs.)	1500 (1000 hrs.)
Breakaway Torque	1.1 inch ounces	1.1 inch ounces
Input Shaft Diameter	.1205"	.1205"
Input Shaft revolution to define complete code	25	90
Input Shaft Inertia (comp.)	.003 lb. in.^{2}	.003 lb. in.^{2}
Weight	3.3 ounces	3.3 ounces
Length (case only)	2.375"	2.375"
Diameter	1.754"	1.754"

RANGE AND IDL PART NO.	1:6000—No. 500234	1:216000—No. 500407
No. of channels (tracks) required to define code	18 (plus access)	21 (plus access)
Maximum Readout Rate. bits/minute	20,000 (100 hrs.)	20,000 (500 hrs.)
Normal Readout Rate. bits/minute	1500 (1000 hrs.)	1000 (1000 hrs.)
Breakaway Torque	1.1 inch ounces	3 inch ounces
Input Shaft Diameter	.1205"	.1205"
Input Shaft revolution to define complete code	150	5400
Input Shaft Inertia (comp.)	.003 lb. in.^{2}	.005 lb. in.^{2}
Weight	3.3 ounces	4.5 ounces
Length (case only)	2.375"	2.375"
Diameter	1.754"	2.254"

COLOR CONTROL WITH COLOR-EYE

COLOR-EYE Model D combines a colorimeter and an abridged spectrophotometer in a single portable instrument . . . ruggedly built for production use . . . precise and stable for laboratory use. It measures color differences quickly and accurately in all kinds of materials, solids and liquids.

In production use, COLOR-EYE is used for color specifications, drift control of color standards, raw material control, rapid color correction and quality control.



In the laboratory, COLOR-EYE is used for new color formulation, establishment of permanent reference standards, standardization of colorants and special color research.

For complete information, write for brochure COLOR-EYE Model D.

Instrument Development Laboratories, Inc.
Subsidiary of Royal McBee Corporation
60 Mechanic Street
Attleboro, Massachusetts

I have a project which may use your ☐ Telemetering Commutator ☐ Rotary Switches ☐ Converters ☐ COLOR-EYE Model D

Have a sales engineer call.....to discuss this application.
date

Please send literature on component which applies to system involving a .....

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ACDC *small encapsulated* R. F. chokes...

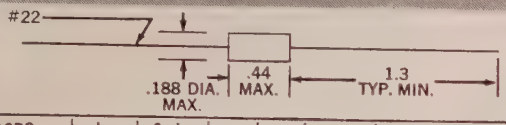
100,000 to 1 inductance range. Here is the widest range available – 0.1 μH to 10 MH!

Miniature to subminiature sizes. For example, a unit with an inductance of 100 μH measures only .0122 cubic inches.

125°C – the operating temperature range of these units is −55°C to +125°C.

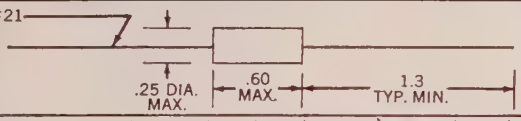
Excellent environment features – ACDC chokes are epoxy encapsulated for resistance to moisture and immersion. All units are designed to meet MIL-C-15305A, Grade 1, Class B.

Do your application engineering with a minimum of experimental work. New technical and performance data including description of electrical parameters in Bulletin 125 A.



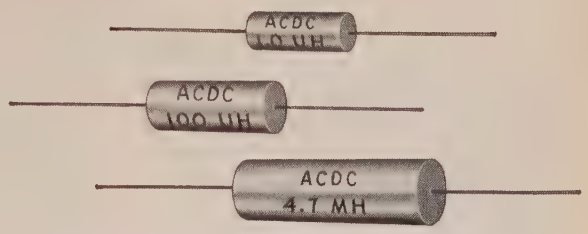
ACDC PART NO.	L	Q min.		Fo ±20%	Cd	min. Rp		min. Rp		max. RES.	I max.
	μH		MC	MC	μμF	KΩ	MC	KΩ	MC	Ω	mA
RFC-S- 0.10	0.10	85	50	>500	0.4	2.7	50	15	200	.02	4000
RFC-S- 0.15	0.15	85	50	>500	0.4	4.1	50	25	200	.03	3000
RFC-S- 0.22	0.22	75	50	500	0.4	5.2	50	30	200	.03	3000
RFC-S- 0.33	0.33	70	40	440	0.4	6.0	40	50	200	.05	2500
RFC-S- 0.47	0.47	60	25	360	0.4	4.5	25	60	200	.08	2000
RFC-S- 0.68	0.68	55	25	300	0.4	6.0	25	120	200	.12	1500
RFC-S- 1.0	1.0	50	20	250	0.4	6.5	20	120	200	.24	1100
RFC-S- 1.5	1.5	45	15	200	0.4	6.5	15	120	200	.43	850
RFC-S- 2.2	2.2	45	15	165	0.4	9.5	15	120	165	.80	610
RFC-S- 3.3	3.3	55	10	100	0.7	11	10	25	100	.15	1400
RFC-S- 4.7	4.7	70	7.9	90	0.7	17	8	30	90	.30	1000
RFC-S- 6.8	6.8	65	7.9	70	0.7	22	8	45	70	.55	800
RAC-S- 10	10	60	5	60	0.7	19	5	50	60	.73	650
RFC-S- 15	15	80	2.5	47	0.7	19	2.5	70	47	1.4	500
RFC-S- 22	22	75	2.5	40	0.7	26	2.5	75	40	1.8	430
RFC-S- 33	33	85	2.5	32	0.7	44	2.5	80	32	3.5	300
RFC-S- 47	47	80	2.5	22	1.1	60	2.5	80	22	4.0	275
RFC-S- 68	68	75	2.5	16	1.5	83	2.5	80	14	4.7	250
RFC-S-100	100	75	1.5	10	2.5	72	1.5	80	9.5	6.0	220

The inductance values listed above are preferred values but the lesser used logarithmic values are also part of the standard ACDC line. Examples: RFC-S-.27, RFC-S-5.6. Write for complete Bulletin #125A.



ACDC PART NO.	L	Q min.		Fo ±20%	Cd	min. Rp		min. Rp		max. RES.	I max.
	μH		MC	MC	μμF	KΩ	MC	KΩ	MC	Ω	mA
RFC-M- 1.0	1.0	100	15	170	.85	9	15	10	170	.04	2700
RFC-M- 1.5	1.5	100	10	140	.85	9	10	15	140	.04	2700
RFC-M- 2.2	2.2	95	10	110	.85	13	10	15	110	.05	2500
RFC-M- 3.3	3.3	60	7.9	90	.85	10	8	20	90	.05	2500
RFC-M- 4.7	4.7	60	7.9	75	.85	14	8	30	75	.09	1800
RFC-M- 6.8	6.8	70	7.9	65	.85	24	8	40	65	.17	1300
RFC-M- 10	10	65	5	50	.9	20	5	60	50	.32	1000
RFC-M- 15	15	75	4	40	.9	28	4	90	40	.62	730
RFC-M- 22	22	65	2.5	35	.9	22	2.5	90	35	.8	600
RFC-M- 33	33	80	2.5	27	.9	41	2.5	120	27	1.5	450
RFC-M- 47	47	100	2.5	24	.9	75	2.5	120	24	3.0	300
RFC-M- 68	68	100	2.5	20	.9	110	2.5	150	20	5.2	250
RFC-M- 100	100	100	1.5	17	.9	95	1.5	150	17	7	200
RFC-M- 150	150	90	1.0	11	1.3	85	1.0	150	11	8	190
RFC-M- 220	220	85	1.0	7	2.2	112	1.0	150	7	10	180
RFC-M- 330	330	80	.8	4.5	3.8	136	.8	120	4.5	12	165
RFC-M- 470	470	75	.8	3.5	4.4	180	.8	120	3.5	14	150
RFC-M- 680	680	65	.8	2.7	5.0	225	.8	150	2.7	17	140
RFC-M-1000	1000	70	.5	2.3	5.0	225	.5	150	2.3	21	125

The inductance values listed above are preferred values but the lesser used logarithmic values are also part of the standard ACDC line. Examples: RFC-M-8.2, RFC-M-120. Write for complete Bulletin #125A.



These R.F. Chokes are designed to meet MIL-C-15305A, Grade 1 (Resistant to immersion and moisture resistance tests), Class B (−55° to +125° C). Marking: Black printing on yellow body.

Inductance Tolerances:

0.1 to 1 μH ±20% (Q-Meter)
1.1 to 10 μH ±10% (Q-Meter)
over 10 μH ± 5% (1 kc Bridge)

Self-resonant frequency (Distributed Capacity) measured with full length leads on Grid-Dipmeter (20%).

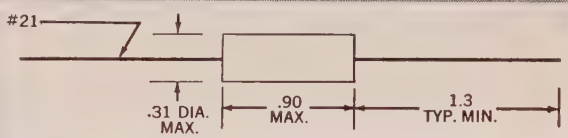
Q and Rp values as measured on Q-Meter. Minimum Rp values listed at the self-resonant frequency are very conservative. Actual values average 50% higher.

Imax ratings are conservative even at 125°C operation. They are based on ⅓ watt dissipation for Series S and M chokes, and on ½ watt dissipation for Series L chokes.

Special sizes, inductance values, or special combinations of parameters not listed can be furnished promptly. Inquiries are invited.

Price Range: from $0.65 to $1.25 each depending on Inductance Value and Quantities.

Prices Subject to Change without Notice.



ACDC PART NO.	L	Q min.		Fo ±20%	Cd	min. Rp		min. Rp		max. RES.	I max.
	μH		MC	MC	μμF	KΩ	MC	KΩ	MC	Ω	mA
RFC-L- 1.0	1.0	130	15	170	0.9	12	15	12	170	.03	4000
RFC-L- 1.5	1.5	130	10	140	0.9	12	10	17	140	.03	4000
RFC-L- 2.2	2.2	130	10	115	0.9	18	10	22	115	.04	3500
RFC-L- 3.3	3.3	100	7.9	90	0.9	17	8	26	90	.04	3500
RFC-L- 4.7	4.7	75	7.9	80	0.9	18	8	30	80	.05	3100
RFC-L- 6.8	6.8	65	7.9	65	0.9	22	8	35	65	.06	3000
RFC-L- 10	10	75	5	50	0.9	23	5	70	50	.15	1800
RFC-L- 15	15	75	5	40	0.9	36	5	80	40	.3	1300
RFC-L- 22	22	75	2.5	32	0.9	26	2.5	80	32	.5	1000
RFC-L- 33	33	70	2.5	28	0.9	36	2.5	80	28	.7	850
RFC-L- 47	47	75	2.5	25	0.9	56	2.5	140	25	1.3	620
RFC-L- 68	68	100	2.5	20	0.9	105	2.5	150	20	2.4	450
RFC-L- 100	100	100	1.5	17	0.9	95	1.5	150	17	3.2	400
RFC-L- 150	150	100	1.0	14	0.9	95	1.0	150	14	6.4	280
RFC-L- 220	220	95	1.0	11	0.9	133	1.0	200	11	12	200
RFC-L- 330	330	65	.79	7.5	1.4	110	.8	200	7.5	14	190
RFC-L- 470	470	60	.79	5.5	1.8	132	.8	200	5.5	17	170
RFC-L- 680	680	75	.5	3.2	3.5	165	.5	150	3.2	20	155
RFC-L- 1000	1000	75	.5	2.4	4.3	240	.5	150	2.4	24	145
RFC-L- 1500	1500	75	.4	1.9	4.5	290	.4	200	1.9	29	130
RFC-L- 2200	2200	65	.25	1.5	4.7	230	.25	200	1.5	35	120
RFC-L- 3300	3300	65	.25	1.2	5.3	330	.25	200	1.2	45	105
RFC-L- 4700	4700	65	.25	.95	6.2	470	.25	300	.95	53	95
RFC-L- 6800	6800	65	.25	.75	6.3	700	.25	300	.75	67	85
RFC-L-10000	10000	65	.15	.58	7.8	1040	.15	400	.58	80	80

The inductance values listed above are preferred values but the lesser used logarithmic values are also part of the standard ACDC line. Examples RFC-L-18, RFC-L-3900. Write for complete Bulletin #125A.

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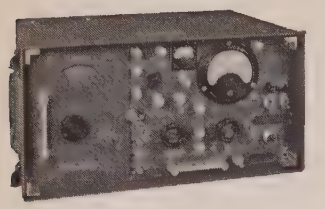
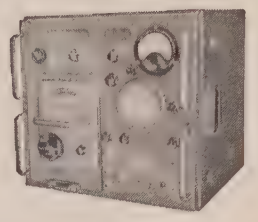
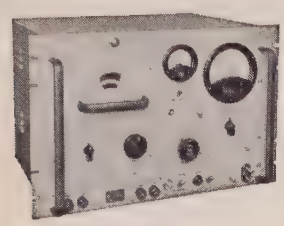


NOISE AND FIELD INTENSITY METER
Model NF-105 • 14 KC to 1000 MC
Use of five quick-change tuning heads avoids costly repetition of components common to all frequency ranges. Built-in impulse generator serves as calibrator. Carrier and peak reading VTVM. Fully regulated power supply.

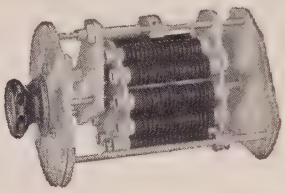


NOISE AND FIELD INTENSITY METER
Model NF-112 • 1 KMC to 10 KMC
Companion unit to NF-105. Four interchangeable tuning heads. Excellent shielding effectiveness. Calibration by means of built-in impulse generator. Compact. Simple to operate.

BROADBAND POWER DENSITY METER
Model NF-157
200 MC to 10 KMC
Personnel safety indicator. Average power from 1 mw/cm² to 1 w/cm². Complete with 3 pick-up probes. Portable. Self-contained.

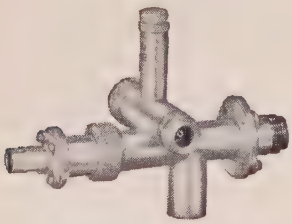


AM MODULATION METER
Model MM-120 • 15 KC to 1000 MC
Indicates modulation percentage of signal generators and transmitters. RF sensitivity 0.01 volts. Two plug-in tuning units.



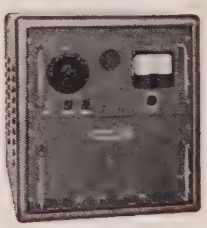
BROADBAND COAXIAL ATTENUATORS
DC to 10 KMC
Pads, 6 and 12 position step attenuators (manually and motor operated), attenuator panels. 1 watt to 4 watts. Also 50 watt power attenuators. Large range of values. Low VSWR, high accuracy. Long term stability. Conservative power ratings.

NOISE AND FIELD INTENSITY METER
Model NF-205 • 14 KC to 1000 MC
Modified version of Model NF-105.

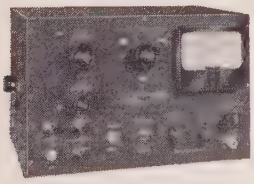


BROADBAND CRYSTAL MIXER
Model CM-107 • 225 MC to 8200 MC
Ten fixed tuned models. Low noise figure. Laboratory or production applications. Also balanced mixers.

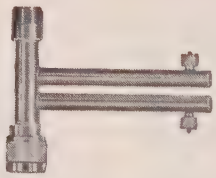
BROADBAND POWER DIVIDER
Model PD-90 • 800 MC to 10 KMC
Five models permit lossless, accurate division of RF power. Many special versions available.



VARIABLE FREQUENCY POWER SUPPLIES
Models VP-100, VP-410, VP-1000
100 VA, 400 VA, 1000 VA
Low distortion. Excellent regulation. Quick recovery. Wide frequency range.



IMPULSE GENERATORS
Models IG-102, IG-115, IG-118
10 KC to 10 KMC
Generate high output level of impulse noise over wide frequency range. For receiver gain calibration, noise susceptibility investigations.



BROADBAND COAXIAL STUB TUNERS
200 MC to 10 KMC
Single, double and triple stub tuners of rugged construction. Locking nuts insure stable operation.

COAXIAL TERMINATION
Model TE-80 • DC to 10 KMC
Low VSWR throughout. Type "N" connector. Many special versions available.

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Silicon PNPN Switches, Rectifiers and Zener Regulators

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CONTROLLED RECTIFIERS

Type Number	MAX. Cont. Working Voltage	Forward Current If	Forward Current @Vf avg.	Maximum Leakage Current @25°C Is/Ir	PIV Vbo	@100°C Is/Ir	@125°C Is/Ir	PIV Vbo	Typ. Vg	Typ. Ig
NCR025D	25V	10A	1.25V	5mA	25V	10mA		25V	1.5V	10mA
NCR050D	50V	10A	1.25V	5mA	50V	10mA		50V	1.5V	10mA
NCR100D	100V	10A	1.25V	5mA	100V	10mA		100V	1.5V	10mA
NCR150D	150V	10A	1.25V	5mA	150V	10mA		150V	1.5V	10mA
NCR200D	200V	10A	1.25V	5mA	200V	10mA		200V	1.5V	10mA
NCR250D	250V	10A	1.25V	5mA	250V	10mA		250V	1.5V	10mA
NCR300D	300V	10A	1.25V	5mA	300V	10mA		300V	1.5V	10mA
NCR400D	400V	10A	1.25V	5mA	400V	10mA		400V	1.5V	10mA
NCR025E	25V	16A	.9V	5mA	25V		10mA	25V	1.5V	10mA
NCR050E	50V	16A	.9V	5mA	50V		10mA	50V	1.5V	10mA
NCR100E	100V	16A	.9V	5mA	100V		10mA	100V	1.5V	10mA
NCR150E	150V	16A	.9V	5mA	150V		10mA	150V	1.5V	10mA
NCR200E	200V	16A	.9V	5mA	200V		10mA	200V	1.5V	10mA
NCR250E	250V	16A	.9V	5mA	250V		10mA	250V	1.5V	10mA
NCR300E	300V	16A	.9V	5mA	300V		10mA	300V	1.5V	10mA
NCR400E	400V	16A	.9V	5mA	400V		10mA	400V	1.5V	10mA

Turn on time < 5 μ/seconds Turn off time < 20 μ/seconds

POWER REGULATORS

Type No.	Min. Ebt Volts	Max. Ebs Volts	Iz@55°C. ma	Iz@125°C ma	Temp. Co-efficient %/°C.
10 WATT–STUD TYPE–7/16″ BASE–10% VOLTAGE TOLERANCE*					
PR704	4.3	5.4	2000	500	.00
PR705	5.2	6.4	1600	400	.015
PR706	6.2	8.0	1200	300	.043
PR708	7.5	10.0	1000	250	.057
PR710	9.0	12.0	800	200	.06
PR712	11.0	14.5	700	175	.069
PR715	13.5	18.0	600	150	.075
PR718	17.0	21.0	500	125	.079
PR724	20.0	27.0	400	100	.086
50 WATT–STUD TYPE–11/16″ BASE–10% VOLTAGE TOLERANCE*					
PR410	9.0	11.0	4300	1720	.06
PR411	9.9	12.1	3900	1560	.06
PR412	10.8	13.2	3600	1440	.06
PR413	11.7	14.3	3300	1320	.07
PR414	12.6	15.4	3000	1200	.07
PR415	13.5	16.5	2800	1120	.07
PR416	14.4	17.6	2650	1060	.07
PR417	15.3	18.7	2500	1000	.07
PR418	16.2	19.8	2300	920	.07
PR419	17.1	20.9	2200	880	.07
PR420	18.0	22.0	2100	840	.08
PR422	19.8	24.2	1900	760	.08
PR424	21.6	26.4	1750	700	.08
PR425	22.5	27.5	1550	620	.08
PR427	24.3	29.7	1500	600	.08
PR430	27.0	33.0	1400	560	.08
PR433	29.7	36.3	1300	520	.08
PR436	32.4	39.6	1150	460	.09
PR439	35.1	42.9	1050	420	.09
1 WATT–AXIAL LEAD TYPE–10% VOLTAGE TOLERANCE*					
PR804	4.3	5.4	200	50	.00
PR805	5.2	6.4	160	40	.015
PR806	6.2	8.0	120	30	.043
PR808	7.5	10.0	100	25	.057
PR810	9.0	12.0	80	20	.06
PR812	11.0	14.5	70	17	.069
PR815	13.5	18.0	60	15	.075
PR818	17.0	21.0	50	12	.079
PR824	20.0	27.0	40	10	.086

Axial lead types also available in 750mw packages with both 10% and 5% voltage tolerances.

**The above listed types are also available in 5% Voltage Tolerance Ranges.*

250 MW ZENER DIODES

Parallel lead, single and double anode types with close voltage tolerances, as well as temperature compensated regulators such as the popular 1N429 with the following parameters: 5.9v — 6.5v; 7.5ma; 20 ohms max. Zz.

POWER RECTIFIERS

Type No	PIV (Volts)	Average Rectified Current	Maximum Reverse Current at rated PIV
APPROVED MILITARY TYPES			
The following are manufactured and tested in accordance with Mil-E specifications.			
JAN 1N253	100	1000 ma @ 135°C.	0.1 ma @ 135°C.
JAN 1N254	200	400 ma @ 135°C.	0.1 ma @ 135°C.
JAN 1N255	400	400 ma @ 135°C.	0.15 ma @ 135°C.
JAN 1N256	600	200 ma @ 135°C.	0.25 ma @ 135°C.
JAN 1N538	200	750 ma @ 50°C.	10.0 μa @ 25°C.
JAN 1N540	400	750 ma @ 50°C.	10.0 μa @ 25°C.
JAN 1N547	600	750 ma @ 50°C.	10.0 μa @ 25°C.
MEDIUM POWER–STUD TYPE–7/16″ BASE			
NA7	50	3000 ma @ 150°C.	0.5 ma @ 150°C.
NA17	100	3000 ma @ 150°C.	0.5 ma @ 150°C.
NA21	200	1000 ma @ 150°C.	0.3 ma @ 100°C.
NA37	300	3000 ma @ 150°C.	0.5 ma @ 150°C.
NA47	400	3000 ma @ 150°C.	0.5 ma @ 150°C.
NA51	500	1000 ma @ 100°C.	0.3 ma @ 150°C.
NA67	600	3000 ma @ 150°C.	0.5 ma @ 150°C.
NA74	700	1000 ma @ 125°C.	0.5 ma @ 125°C.
NA104	1000	1000 ma @ 125°C.	0.5 ma @ 125°C.
HIGH VOLTAGE–STUD TYPE–7/16″ BASE			
NA124	1200	400 ma @ 125°C.	.50 ma @ 125°C.
NA151	1800	300 ma @ 25°C.	.05 ma @ 25°C.
NA152	2000	300 ma @ 25°C.	.05 ma @ 25°C.
1N1130	1500	300 ma @ 25°C.	.05 ma @ 25°C.
1N1131	1500	300 ma @ 25°C.	.05 ma @ 25°C.
HIGH POWER–STUD TYPE–11/16″ BASE			
NA0320	30	20 amps @ 150°C.	5 ma @ 150°C.
NA0520	50	20 amps @ 150°C.	5 ma @ 150°C.
NA1005	100	5 amps @ 150°C.	5 ma @ 150°C.
NA2020	200	20 amps @ 150°C.	5 ma @ 150°C.
NA2520	250	20 amps @ 150°C.	5 ma @ 150°C.
NA4020	400	20 amps @ 150°C.	5 ma @ 150°C.
1N248A	50	20 amps @ 150°C.	5 ma @ 150°C.
1N249	100	10 amps @ 150°C.	5 ma @ 150°C.
1N249A	100	20 amps @ 150°C.	5 ma @ 150°C.
1N250	200	10 amps @ 150°C.	5 ma @ 150°C.
1N250A	200	20 amps @ 150°C.	5 ma @ 150°C.
RUGGED, 6 AMPERE–STUD TYPE–7/16″ BASE			
NA603	30	6 amps @ 150°C.	5 ma @ 150°C.
NA605	50	6 amps @ 150°C.	5 ma @ 150°C.
NA610	100	6 amps @ 150°C.	5 ma @ 150°C.
NA615	150	6 amps @ 150°C.	5 ma @ 150°C.
NA620	200	6 amps @ 150°C.	5 ma @ 150°C.
NA630	300	6 amps @ 150°C.	5 ma @ 150°C.
NA640	400	6 amps @ 150°C.	5 ma @ 150°C.
NA650	500	6 amps @ 150°C.	5 ma @ 150°C.
NA660	600	6 amps @ 150°C.	5 ma @ 150°C.
RUGGED, 12 AMPERE–STUD TYPE–7/16″ BASE			
NA1203	30	12 amps @ 150°C.	5 ma @ 150°C.
NA1205	50	12 amps @ 150°C.	5 ma @ 150°C.
NA1210	100	12 amps @ 150°C.	5 ma @ 150°C.
NA1215	150	12 amps @ 150°C.	5 ma @ 150°C.
NA1220	200	12 amps @ 150°C.	5 ma @ 150°C.
NA1230	300	12 amps @ 150°C.	5 ma @ 150°C.
NA1240	400	12 amps @ 150°C.	5 ma @ 150°C.
NA1250	500	12 amps @ 150°C.	5 ma @ 150°C.
NA1260	600	12 amps @ 150°C.	5 ma @ 150°C.
AXIAL LEAD TYPES			
1N536	50	750 ma @ 50°C.	10 μa @ 25°C.
1N537	100	750 ma @ 50°C.	10 μa @ 25°C.
1N539	300	750 ma @ 50°C.	10 μa @ 25°C.
1N560	800	500 ma @ 50°C.	15 μa @ 25°C.
1N561	1000	500 ma @ 50°C.	20 μa @ 25°C.
1N599	50	400 ma @ 25°C.	25 μa @ 25°C.
1N599A	50	400 ma @ 25°C.	1.0 μa @ 25°C.
1N600	100	400 ma @ 25°C.	25 μa @ 25°C.

HIGH VOLTAGE CARTRIDGE TYPE RECTIFIERS

The NAE cartridge type rectifiers are designed for applications requiring up to 20,000 volts and for currents up to 250 milliamperes. They are fabricated from series connected high PIV junctions and hermetically sealed in ceramic tubes for easy fuse clip mounting.

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NAE rectifier stacks provide a variety of single phase, three phase, and six phase configurations in a wide range of voltages and currents. Assemblies specially made to suit your requirements.

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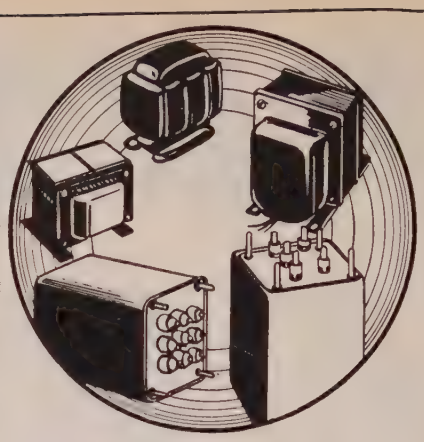

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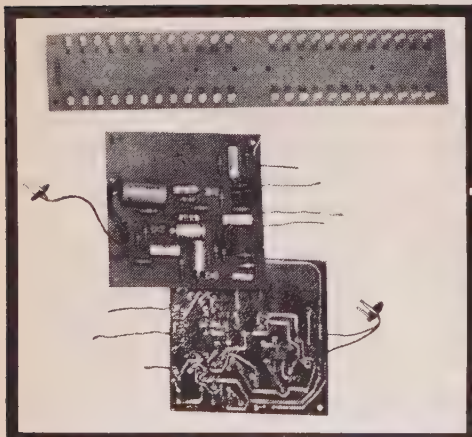

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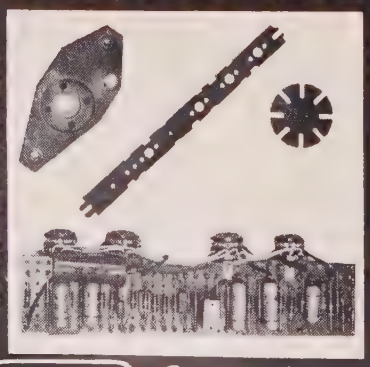

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GENERAL SPECIFICATIONS:*

1% thru .005% abs. accuracy.
thru .001% rel. accuracy.
thru .001% long term stability.
thru 2 ppm/°C temp. coeff.
.1 watt thru 2 watt dissipation.
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* apply to units covered by Bulletins R-28, R-40, R-44, R-55.

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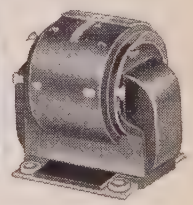
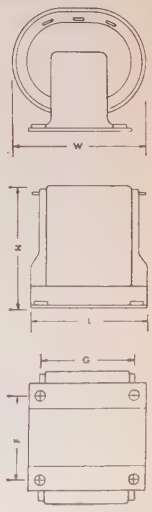


- Contour Molded
- Hipersil Cores

Cat. No.	Secondary Volts	Secondary Amps.	Rms. V Insulation	Primary Volts	Mold Size	Maximum Operating Ambient	List Price
FILAMENT							
4C1	6.3 CT	8	1500	115	SM3	100°C	18.15
4C2	6.3 CT	1.2	1500	115	SM2	100°C	18.15
4C3	6.3 CT	6.75	1500	110/115/120	2	100°C	29.15
4C4	6.3 6.3	4.9 2.7	1500 1500	115	3	90°C	26.07
4C5	6.3 CT	7.2	1500	115	35	120°C	30.25
4C6	6.3 6.3 6.3	7 7 1.5	1500 1500 1500	120	35	80°C	29.48
4C7	6.3 CT 6.3 CT	7 7	1500 1500	120	4	100°C	35.09
4C8	6.3 6.3 6.3	13.7 2.93 0.3	1500 1500 1500	115	4	90°C	35.09
4C9	6.3 CT	12.3	1500	115	5	100°C	32.45
4C10	20 CT	0.6	1500	115	SM1	100°C	23.10
4C11	6.3 6.3 6.3	2.4 2.5 2.7	1500 1500 1500	115	3	100°C	32.45
4C26	6.3 CT	2	1500	115	SM1	100°C	23.10
4C27	6.3 CT	3	1500	115	1A	100°C	23.98
4C28	6.3 CT	5	1500	115	2	100°C	24.86
4C29	5.0 CT	3	2500	115	SM1	100°C	23.10
4C30	5.0 CT	6	2500	115	2	100°C	24.86
POWER							
4C12	14.1	3	1500	115	3	100°C	24.75
4C13	21	9	1500	115	4	65°C	27.50
4C14	26	0.5	1500	115	SM1	55°C	22.55
4C15	26 CT	1.5	1500	115	3	65°C	23.32
4C16	28 CT 6.3 CT	0.75 7A	1500 1500	115	2	65°C	34.98
4C17	52 CT	.192	1500	115	SM1	100°C	25.03
4C18	90 CT	4.5	1500	115	9	100°C	47.30
4C19	115	.05	1500	115	SM2	100°C	18.48
4C20	105/115/125	0.4	1500	105/115/125	2	90°C	26.73
4C21	115	2.83	1500	115	8	100°C	38.50
4C22	334	.025	1500	115	SM1	120°C	21.23
4C23	26 CT	3	1500	115	4	100°C	28.05
4C24	26 CT	5	1500	115	6	100°C	32.34
4C25	52 CT	2	1500	115	5	100°C	30.91

MOLD NO.	OVERALL DIMENSIONS L	W	H	MTG. DIMENSIONS F	G	APP. WT. (LBS.)	MTG. METH.
SM3	1	1-1/4	1-3/16	1	Note 1	0.06	Note 1
SM2	1-1/2	1-1/4	1-11/16	1	Note 1	0.10	Note 1
SM1	1-1/2	1-1/2	1-11/16	1-1/8	Note 1	0.16	Note 1
1	1-13/16	1-7/8	1-13/16	1-1/4	1-7/16	0.25	Note 2
1A	1-11/16	1-17/32	1-13/16	1-5/32	1-1/8	0.25	Note 2
2	2	1-15/16	2-1/8	1-9/32	1-1/4	0.40	Note 2
3	2-5/16	1-13/16	2-1/8	1-9/32	1-7/16	0.45	Note 2
35	2-1/16	2-3/8	2-3/16	1-17/32	1-11/16	0.70	Note 2
4	2-5/16	2-3/8	2-9/16	1-17/32	1-11/16	0.90	Note 2
5	2-3/4	2-3/8	2-7/8	1-17/32	2-3/16	1.20	Note 2
6	2-3/4	2-5/8	3-1/8	1-17/32	2-3/16	1.50	Note 2
7	3	2-7/8	3-3/8	1-25/32	2-1/2	2.00	Note 2
8	3-3/8	2-7/8	3-3/8	1-25/32	2-1/2	2.50	Note 2
83	3-3/4	3-1/4	3-3/8	2-1/4	3	3.25	Note 3
86	3-3/4	3-3/4	3-3/8	2-3/4	3-1/8	4.25	Note 3
9	4-1/16	3-3/8	3-7/8	2-3/16	3-1/2	5.00	Note 3
10	4-1/2	3-15/16	3-15/16	2-3/4	3-1/8	6.00	Note 3



Note 1—SM series are two hole mounting with holes on center line. #4-40 Pem nuts are fastened to the bracket.
Note 2—#6-32 Pem nuts on bracket are standard.
Note 3—#8-32 Pem nuts on bracket are standard.

- Dielectric test voltages:
  PRIMARIES 1000 Volts RMS
  SECONDARIES 1500 Volts RMS
- All primaries 380-1000 cps
- Epoxy resin used as encapsulant
- Prices subject to change without notice

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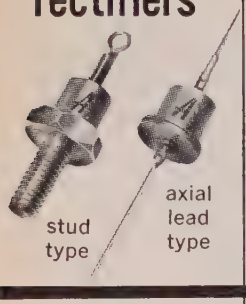
GENERAL INSTRUMENT silicon rectifiers



GENERAL PURPOSE TYPES

1N248, 1N248A, 1N249, 1N249A, 1N250, 1N250A, 1N536, 1N537, 1N539, 1N550 through 1N555, 1N599A, 1N600A, 1N601A

1N602A, 1N604A, 1N605A, 1N606A, 1N607A, 1N608A, 1N609A, 1N610A, 1N611A, 1N612A, 1N613A, 1N614A, 1N676, 1N677, 1N678

1N679, 1N681 through 1N687, 1N689, 1N846 through 1N889, 1N1095, 1N1096, 1N1100, 1N1101 through 1N1105

1N1487 through 1N1492, 1N1692 through 1N1697, 1N2080 through 1N2086, 1N2512 through 1N2517

TYPES DESIGNED TO MEET JAN SPECS

1N253, 1N254, 1N255, 1N256, 1N538, 1N540, 1N547

MAGNETIC AMPLIFIER TYPES

1N332, 1N333, 1N334, 1N335, 1N336, 1N337, 1N338, 1N339, 1N340, 1N440, 1N441

1N442, 1N443, 1N444, 1N445, 1N440B, 1N441B, 1N442B, 1N443B, 1N444B, 1N445B

HIGH POWER SILICON DIODE/RECTIFIERS DESIGNED TO MEET USAF SPECS

1N645, 1N646, 1N647, 1N648, 1N649

MP Hi Temp. Series

POWER SUPPLY TYPES

1N341 through 1N349, 1N530 through 1N535, 1N560, 1N561, 1N562, 1N563, 1N599 through 1N614, 1N1115 through 1N1120

1N1124 through 1N1128, 1N1341 through 1N1348, 1N1581 through 1N1587, 1N1612 through 1N1616, 1N2793 through 1N2800

GENERAL INSTRUMENT germanium diodes

GENERAL PURPOSE TYPES

1N67A, 1N68A, 1N89, 1N90, 1N95, 1N96, 1N97A, 1N98A, 1N99A, 1N100A, 1N116A, 1N117A, 1N118A

TYPES DESIGNED TO MEET JAN SPECS

1N126A, 1N127A, 1N128, 1N198, 1N270, 1N276, 1N277

HIGH CONDUCTANCE TYPES

1N270, 1N281

HIGH TEMPERATURE TYPES

1N277

COMPUTER TYPES

1N191, 1N192

GENERAL INSTRUMENT silicon diodes

ALL PURPOSE TYPES

1N658*, 1N891, 1N892, 1N893, DR999

GENERAL PURPOSE TYPES

1N456, 1N461, 1N462, 1N463, 1N464

TYPES DESIGNED TO MEET JAN SPECS

1N457, 1N458, 1N459

FAST RECOVERY TYPES

1N625 through 1N629, 1N643, 1N658*, 1N659, 1N660, 1N661, 1N662*, 1N663*

*Signal Corps Types

HIGH CONDUCTANCE TYPES

1N482, 1N482A, 1N482B, 1N483, 1N483A, 1N483B, 1N484, 1N484A, 1N484B, 1N485, 1N485A, 1N485B, 1N486, 1N486A

GENERAL INSTRUMENT silicon voltage regulators

250 MILLIWATTS

1N704, 1N708, 1N713, 1N718, 1N725, 1N730, 1N735, 1N738, 1N745, 1N761

400 MILLIWATTS

1N746, 1N748, 1N750, 1N752, 1N754, 1N756, 1N758, 1N759

1 WATT

1N1518, 1N1519, 1N1520, 1N1521, 1N1522, 1N1523, 1N1524, 1N1525, 1N1526, 1N1527, 1N1528

3.5 WATTS

1N1588, 1N1589, 1N1590, 1N1591, 1N1592, 1N1593, 1N1594, 1N1595, 1N1596, 1N1597, 1N1598

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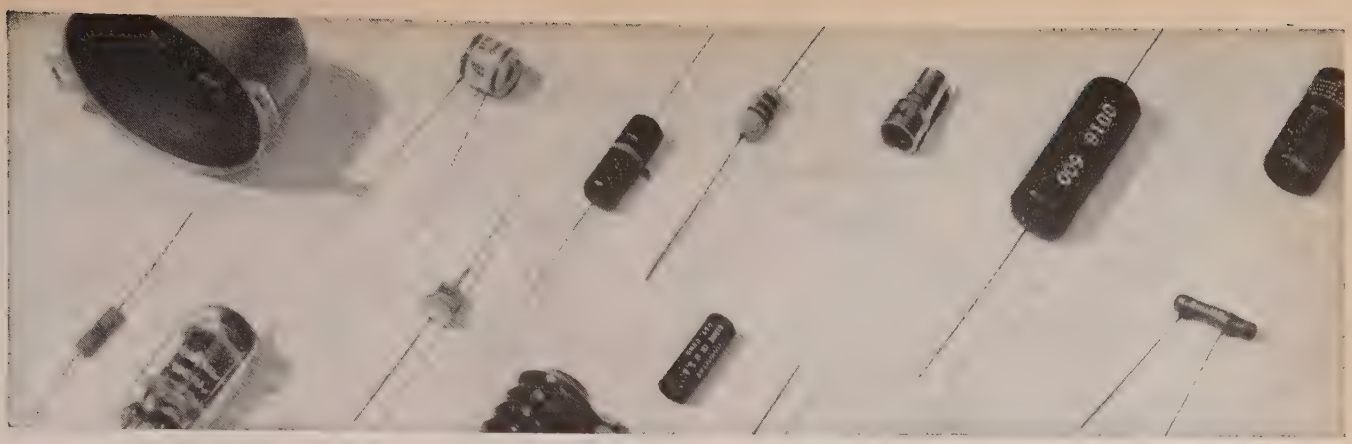

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More than 40 basic groups ranging from the small, hand-operated "Companion" to completely automatic high speed types, are capable of handling products and packages of almost any size and shape.

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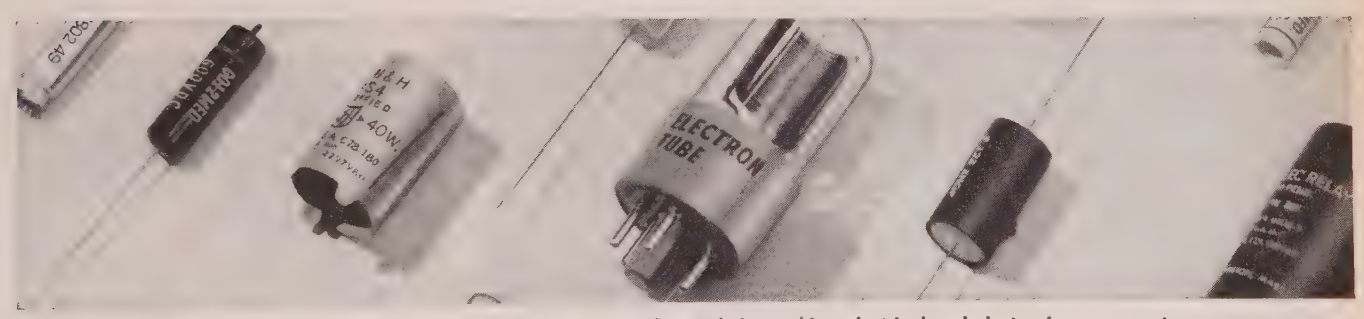
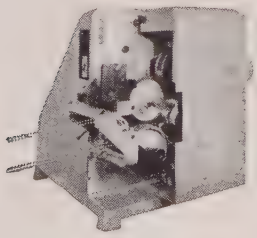
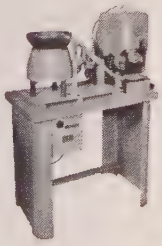


Here's how typical Markem machines meet specific needs in marking electrical and electronic components

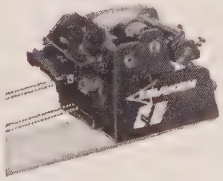
Model 69A
HIGH SPEED
COLOR BANDING
of diodes, resistors, capacitors, similar axial lead cylindrical components. Up to 6 colors simultaneously — or 5 color bands plus trademark. Colors, band width and spacing easily changed.



Model 122A
SIMULTANEOUS TOP and SIDE MARKING
as well as date coding of transistors, similar cylindrical components with base leads. Hopper-fed machine automatically prints and ejects up to 45 units per minute.

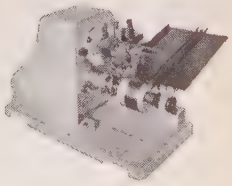


Model 146A
MARKING AXIAL LEAD COMPONENTS
with complete legends, including polarity band and symbol. Prints neatly on cylindrical surfaces. Adjusts quickly to different sizes of components. Production speed approximately 2,600 and more per hour.



Model 148A
MARKING OF ALL TYPES OF SURFACES
— flat, curved, corrugated, irregular, etc. — without hand rolling or pressing. May be mounted for automatic in-line marking or objects may be hand fed to adjustable work table. Average production 2,100 to 3,100 per hour.

Model 20A — HIGH SPEED MARKING OF CYLINDRICAL OBJECTS
at average production rates of 3,000 to 7,000 per hour. Can be built into automatic production lines and feeds. Date code number can be changed independent of printing plate.



Write for this 12-page catalog of Markem machines and related equipment for the electrical and electronic industries. Complete specification sheets are also available for individual machines.

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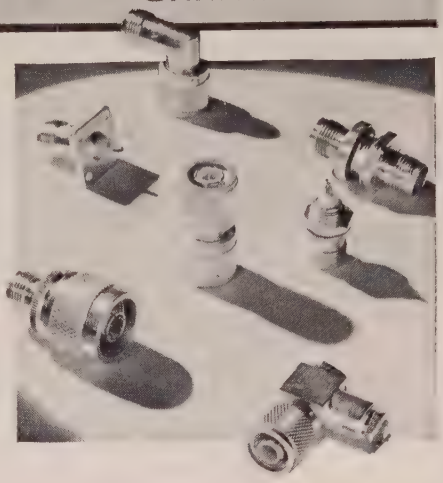
General RF TNC *Threaded Coaxial Connectors*

GRFF TNC series RF connectors have been designed by General RF Fittings, Inc. to meet a growing demand for connectors having improved electrical and mechanical characteristics for use with a wide variety of cables, usually identified with the BNC and N series. The GRFF TNC series is the first and only series of connectors suitable for use with all commonly used coaxial cables and has been adopted as standard equipment by many leading missile, airframe, radar, and electronics engineers and manufacturers. The flexibility and adaptability of the GRFF TNC designs, coupled with excellent performance and reliability, have widened the scope of use to all types of related precision electronic equipment.

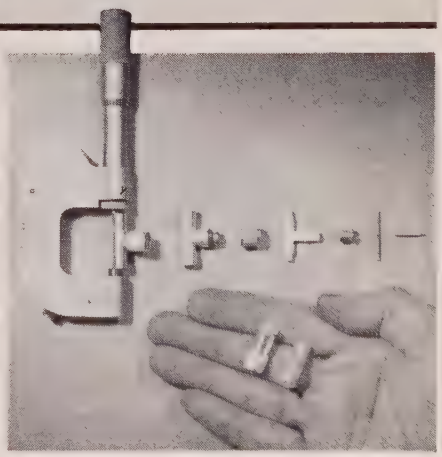


The GRFF TNC series connectors possess far superior electrical characteristics to comparable BNC and N series connectors. Outstanding features are low V.S.W.R., reduced noise level and minimum insertion losses. Many connectors in the series have 52 ohms impedance for matching with a wide variety of constant impedance cables such as RG-55, 58, and 142. In addition, there are designs for use with 70 and 93 ohm cables.

General RF TM *Threaded Miniature Coaxial Connectors*

GRFF TM Series RF connectors are a new development of General RF Fittings, Inc. to meet the increasing demands for miniature thread coupled, precision engineered, advance design connectors for use with the new lightweight small cables in airborne, missile and new design applications.

The GRFF TM Series is similar to the time proven GRFF TNC Series, which is the standard for reliability, performance and quality wherever precision RF connectors are used. Many of the TM Series are miniaturized versions of familiar TNC and BNC types and represent a saving in weight and space.



ALUMINUM

General RF TNC and TM series are now available in a special weight-saving aluminum. Configurations and dimensions remain the same. The use of this aluminum effects a weight saving of 60 to 65 per cent.

All aluminum connectors are specially treated, silver plated, and rhodium flashed. This special finish prevents coupled connectors from seizing and provides adequate protection for the aluminum.

General RF Fittings, Inc.

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Panel Meters

a complete line for every application

IDEAL Panel Meters are assembled in controlled atmospheric and climate conditions and 100% inspected at every step of production to insure highest quality and dependability.

- D'Arsonval movements guarantee minimum accuracy of 2% (full scale).
- Rugged construction means trouble-free, long-lived service.
- Durable plastic meter cases provide greater clarity, easier readability.

For more information on the entire IDEAL line, write for Catalog No. 32.

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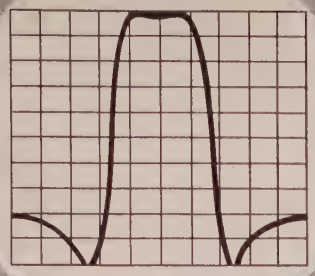
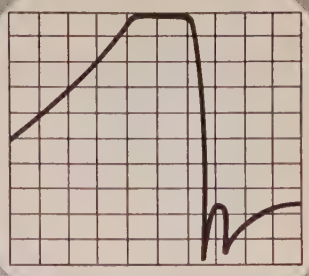


A. CRYSTAL BANDPASS FILTERS



B. SINGLE SIDE BAND CRYSTAL FILTERS

The 3-sigma reliability for which Heemco products have long been recognized is available not only in crystals, but in filters and frequency sources as well as all types of associated circuitry and "black boxes".

CRYSTALS

Heemco crystal units, both standard and high vibration types, are available from 400 cps up, to fill a wide variety of commercial and military requirements.

FREQUENCY SOURCES

From standard designs, Hill Electronics custom designs and manufactures frequency sources to your particular requirements. Frequencies range from less than 1 cps to above 100 mc. Sizes range from ¾"x¾"x1½".

Specifications for a typical standard unit are:

FREQUENCY: from 150 cps up
OPERATING TEMPERATURE: −65 to +125°C
FREQUENCY ACCURACY: ±.001%
VIBRATION: 5 to 2000 cps at 20g
SHOCK: 100g
SIZE: 2"x2"x4"

ONE OF HILL ELECTRONIC'S RECENT DEVELOPMENTS IS A 3-PHASE FREQUENCY SOURCE, SPECIFICATIONS FOR WHICH ARE AVAILABLE UPON REQUEST.

FILTERS

A. CRYSTAL BANDPASS FILTERS

Center frequency: 400 cps to 30 mc
Band Width: .01% to 13% of center frequency
Selectivity: Ratio of 60db to 6db band widths as steep as 1.4:1
Insertion loss: Usually less than 6db for wide band filters and less than 3db for narrow band filters
Wide Impedance Range
Attenuation: As much as 80db
Passband Variation: ±½db

B. SINGLE SIDE BAND CRYSTAL FILTERS

Center frequency: 400 cps to 30 mc
Band Width: .6% to 10% of center frequency
Steep Side Slope: As steep as 1.0026:1
Wide Impedance Range
Attenuation on steep side: As much as 60db
Passband Variation: ±1db

C. CRYSTAL NOTCH FILTERS

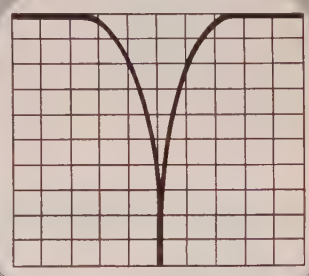
Center frequency: 400 cps to 30 mc
Band Width at 6db: .01% to .8% of center frequency
Insertion loss: Usually less than 3db
Attenuation in the notch: As high as 60db
Passband Variation: Less ±1db

D. CRYSTAL DISCRIMINATORS

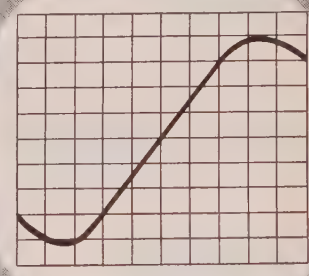
Center frequency: 400 cps to 30 mc
Band Width (peak to peak): .01% to 10% of center frequency
Wide Impedance Range
Output Voltage: Up to 20 volts peak to peak

E. "COMB" SETS

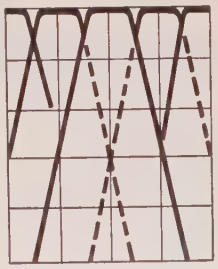
Because of rigid quality controls and long experience in the design and manufacture of our own crystals, we have been particularly successful in production of "comb" sets.



C. CRYSTAL NOTCH FILTERS



D. CRYSTAL DISCRIMINATORS



E. "COMB" SETS

Hill Electronics specializes in the design and manufacture of "black boxes" which utilize frequency sources and/or filters.

HILL ELECTRONICS, INC.

300 north chestnut street • mechanicsburg • pennsylvania

INSTRUMENTS FOR LABORATORY and PRODUCTION

WIDE RANGE PRECISION
INDUCTANCE BRIDGE

- .002 μh to 1.1 h inductance
- Accuracy to 0.25%
- Resolution to 0.01%
- .002 to 110K ohm series res.
- Self contained 1-100KC osc-det.
- No false or sliding nulls

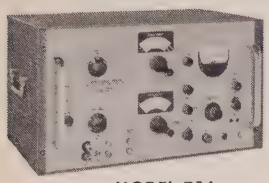
MODEL 63A
PRICE $1500

ACCEPTED THROUGHOUT THE INDUSTRY!
SENSITIVE RF VOLTMETERS

- 10KC — 600 MC frequency range
- 300 μv — 3V range: 91CA
- 1 μv — 3V range: 91C
- RMS reading below 0.1V
- HI-Z Probe and 52 ohms Adapter supplied

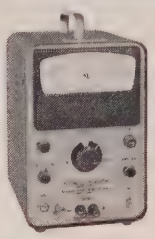
MODEL 91CA Price $495
MODEL 91C Price $395

THREE TERMINAL **CAPACITANCE BRIDGE** FOR 1 MC USE



- .0002 to 1000 μμf capacitance
- Accuracy to 0.25%
- Resolution to 0.01%
- .01 to 1000 μmhos conductance
- 1000 ohms to 100 megohms resistance
- Self contained 1 MC osc-det.
- Built-in DC bias for semi-conductor testing available

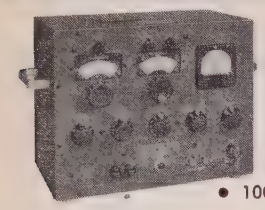
MODEL 75A
PRICE $990



SENSITIVE DC NULL DETECTOR
FOR MAXIMUM READOUT ON WHEATSTONE BRIDGES

- 1 μv to 100 v sensitivity
- Input: 10 megohms constant
- Floating input
- Amplifier Gain: 100 db

MODEL 56A
PRICE $395



THREE TERMINAL
CAPACITANCE BRIDGE
FOR 100 KC USE

- .0002 to 11,000 μμf capacitance
- Accuracy to 0.25%
- Resolution to 0.01%
- .001 to 1000 μmhos conductance
- 1000 ohms to 100 megohms resistance
- Self-contained 100KC osc-det
- Built-in DC bias for semiconductor testing available

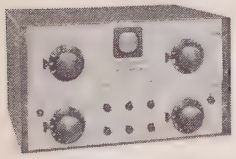
MODEL 74C
PRICE $935

SENSITIVE DC METER
ULTRA SENSITIVITY IN VOLTAGE & CURRENT MEASUREMENTS

- 1 μv to 1000 v in 17 ranges
- 0.1 μμa to 1 a in 25 ranges
- Input: 10 megohms constant
- Floating input
- Amplifier Gain: 100 db

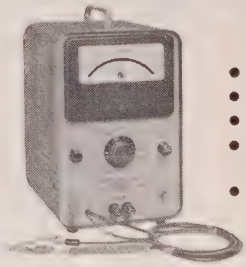
MODEL 95A
PRICE $495

TUNED AC NULL DETECTOR



- Useful as a detector for low frequency impedance bridges Balance can be observed on either built in CRT or external meter
- 20 cycles to 200 KC tuning range
- 10 μv sensitivity
- 1 megohm shunted by 100 μμf input
- Discrimination to 40 db against 2nd harmonic
- Phase sensitive

MODEL 51A
PRICE $1900

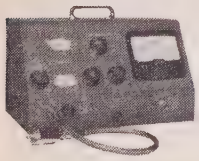


DC VOLTMETER

- 10 μv to 1000 v in 14 ranges
- Input: varies 10-100 megohms
- Amplifier Gain: 70 db
- Amplifier Output: ±0.5 ma into 1500 ohms
- Zero center meter eliminates polarity switch

MODEL 97A
PRICE $325

RF DISTORTION METER & VOLTMETER

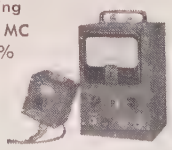


- 1-100 MC:85B
- 0.1-6 MC:85C
- Sensitivity: 60 db below 1 v
- Accuracy: ±2 db
- RF Voltmeter: Same as 91C

MODEL 85B & C
PRICE $740

UHF GRID DIP METER

- Highest sensitivity to L & C coupling
- 300 to 1000 MC
- Accuracy: 2%



MODEL 101B
PRICE $275

DIFFERENTIAL DC VOLTMETER

- 10 μv to 1000 v in 14 ranges
- Input: varies 10-50 megohms
- DC common mode rejection = 80 db
- Critically balanced attenuators provide true differential measurements

MODEL 98A
PRICE $395

HERE ARE OUR REPRESENTATIVES

NEW ENGLAND: George Gregory Assoc., West Newton, Mass. • **CONNECTICUT:** George Gregory Assocs., Chesshire, Conn. • **W. NEW YORK STATE:** S. B. M. Assoc., Rochester, N. Y. • **E. NEW YORK STATE:** SBM Assocs., Albany, N. Y. • **N. J., N. Y. C., L. I., WESTCHESTER:** N. L. R. Assoc., W. Orange N. J. • **E. PENNA.:** NLR Associates, Phila., Penn. • **DEL., MD., WASH., D.C.:** C. F. Paddock, Silver Spring, Md. • **SOUTH EAST:** J. L. Highsmith & Co., Charlotte, N. C. • **MICHIGAN:** Dayton Associates, Detroit, Mich. • **W. PENNA., OHIO, W. VA.:** Dayton Assoc., Dayton, O. • **ILL., INDIANA:** Kenneth W. Meyers Co., Chicago 31, Ill. • **IOWA, WIS., MINN.:** Arthur Engineering Sales Co., Milwaukee, Wisc. • **TEX., OKLA., ARK., LA.:** Engineering and Equipment Co., P. O. Box 13311, Ft. Worth, Texas, Phone: WA 3-7386 • **COL., UTAH, N. M.:** Parrish Electronics, Denver Col. • **WASH., OREGON, E. IDAHO:** Hawthorne Electronics, Seattle, Washington • **N. CALIF.:** J. F. O'Halloran & Assocs., Palo Alto, Calif. • **SO. CALIF., ARIZ., NEV.:** J. F. O'Halloran & Assoc., N. Hollywood, Calif. • **CANADA:** Mel Sales Ltd., Toronto, Canada • **EXPORT:** A. V. Marano & Co., N. Y. C.

Boonton *ELECTRONICS* Corp.
Morris Plains, N. J.
Phone: JEfferson 9-4210

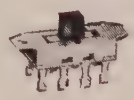
CONTINENTAL WIRT COMPONENTS

POTENTIOMETERS • RHEOSTATS • RESISTORS • SWITCHES

SLIDE SWITCHES

Corrosion-resistant coated housings. Silver-plated terminals and connectors. Black phenolic or colored knobs. Shields available for terminal protection or electrostatic shielding. Standard mounting centers 1⅛" and 1⅝". 125V AC-DC.

SW 724 SPDT .75 Amps.



SW 728 DPTT .5 Amps.

SW 769 TPDT .5 Amps.

SW 742 QPDT .5 Amps.

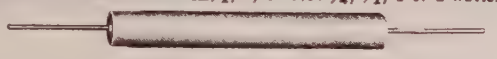
Type	Circuit	Rating/Amps AC	Rating/Amps DC	Type	Circuit	Rating/Amps AC	Rating/Amps DC
SW723 (UL)	SPST	.75	.75	SW734	SPDT-CO	.5	.5
SW724 (UL)	SPDT	.75	.75	SW735	DPST-SR	.5	.5
SW725 (UL)	DPST	.5	.5	SW736	DPDT-CO	.5	.5
SW726 (UL)	DPDT	.5	.5	SW737	DPDT-SR	.5	.5
SW728 (UL)	DPTT	.5	.5	SW741	QPST	.5	.5
SW729 (UL)	SPTT	.5	.5	SW742	QPDT	.5	.5
SW731	SPST-SR	.5	.5	SW766	TPST	.5	.5
SW732	SPDT-SR	.5	.5	SW769	TPDT	.5	.5

Above also available in 3 amp 125V AC; 1 amp or .5 amp 125V DC; 4 amp 125V AC only.

RESISTORS

DEPOSITED CARBON

Hermetically Sealed—Conform to MIL-R-10509. Fully insulated for hi-frequency use. Carbon deposited on ceramic and encased in non-hygroscopic ceramic tube. High temperature solder sealed. ±½, 1, or 5%. ¼, ½, 1 or 2 watts.

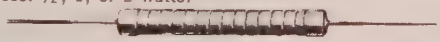


Molded—Rugged construction for high production handling and excellent moisture protection. ±½, 1 or 5%. ½ or 1 watt sizes.

Coated—Low cost precision. Highly recommended for test equipment, meters or hi-frequency circuits. ±1, 2 or 5%. ¼, ½, 1 or 2 watt sizes.

METAL FILM

Noblette (NA)—Axial leads. Exclusive patented manufacturing process assures wide range, low inductance, accuracy and stability. ±½%, 1, 2, or 5% tolerances. ½, 1, or 2 watts.



Nobleloy (NR)—Low loss ceramic carrier, vitreous enamel coating, and other features as in Noblette, but has radial leads. ½, 1, 2, or 5 watts.

WIRE WOUND FIXED (POWER TYPE)

Ceramic core, vitreous enamel coated. All standard values in standard sizes from 5 to 200 watts. Special types available.

WIRE WOUND ADJUSTABLE (POWER TYPE)

Ceramic core, vitreous enamel coated. All standard values in standard sizes from 10 to 200 watts. Special types available.

WIRE WOUND (LOW POWER)

Axial lead, insulated, molded in phenolic. ⅓ watt (.27 ohms to 10 ohms); ½ watt and 1 watt (.27 to 24 ohms). ±2, 5 or 10% standard. 1% available on special order.

POTENTIOMETERS AND RHEOSTATS

METAL HOUSED STANDARD SIZE

New insulated controls for dependability, long life, and low cost. 2 watts, 5 to 15,000 ohms with linear taper. 15¾%. Also available with grounded rotor.

AIC and BIC series. 1⅛" dia., 35/64" thick.

PHENOLIC HOUSED INSULATED CONTROLS

Stable, dependable. Maximum heat conduction and radiation. Nominally rated for maximum power dissipation in an ambient temperature of 40° C.

Type WCB, 3 watt, 10 to 70,000 ohms, 1 35/64" dia., 27/32" depth

Type WCA, 4 watt, 10 to 100,000 ohms, 1 25–32" dia., 31–32" depth.

Type WCD, 5 watt, dual control, to 25,000 ohms front panel; to 50,000 ohms rear panel, 1 25–32" dia., 1 ⅛" depth. Rear winding completely insulated. Contact arm of front winding grounded.

METAL HOUSED MINIATURES

For hum balancing and sensitivity applications. 1.5 watt, 1 to 10,000 ohms. ±20%. Wt. 0.2 oz. each. Dimensions ¾" x ⅜" or smaller. Also available with insulated rotor, insulated housing, and terminal and mounting variations made to fit your requirements.

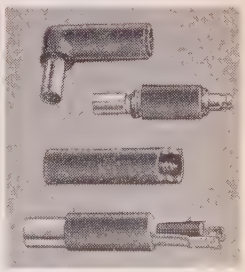
WC 816B Rheostat. Printed circuit.

WC 807A Rheostat. Grounded rotor.

WC 817A Potentiometer. Grounded rotor.

SUPPRESSORS

Distributor and Spark Plug Suppressors. Easy to install, fit all cars, including 12-volt. C-W suppressors are exactingly engineered to effectively remove radio noise from ignition spark discharge at the plugs and high-tension distributor. Shown, from top, S20A (spark plug); S19 (spark plug); C11 (distributor) T20 (distributor).



COMPOSITION RESISTORS

Carbomite insulated fixed composition resistors for replacement and service applications. Rating to 1000 volts max. Compact design saves space; unusual stability proven under critical operating conditions.

WRITE US for complete technical literature, engineering assistance, or information about special adaptations. List your specifications and requirements in detail. Your inquiry will receive prompt attention.

CONTINENTAL-WIRT
ELECTRONICS CORP.
5219 GREENE ST., PHILA. 44, PA.
Telephone: GErmantown 8-9334

VALPEY

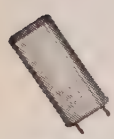
Quartz Crystals — Ovens — Transducers
Precision Optics — Packaged Oscillators

TYPE VR6
COMMERCIAL AND MILITARY

Hermetically sealed in compact metal case . . . frequency range 175 Kc to 100 Mc . . . JAN Type HC-6/U. Pin 0.050″ dia., spaced 0.486″.

TYPE VR-6
HIGH FREQUENCY FILTER CRYSTALS

For lattice type and single signal filters. Freq. range — 1500 Kc. to 23.000 Mc. Calibration tolerance — ± .002% of true series frequency at any one temp. between 25 deg. C. and 100 deg. C. Spurious — 50 D.B. down or better. Holder type — HC-6/U.



TYPE VR13
COMMERCIAL AND MILITARY

Hermetically sealed in compact metal case . . . frequency range 16 to 175 Kc . . . JAN Type HC-13/U. Pin is 0.050″ dia., spaced 0.486″.

TYPE VM6
COMMERCIAL AND MILITARY

Midget unit with wire leads or .040″ dia. pins hermetically sealed in compact metal case . . . frequency range 5 to 125 Mc . . . JAN Type HC-18/U.

Crystals in all frequency ranges can be manufactured or developed to meet long term stability and other special requirements.

PACKAGED OSCILLATORS

60 Cps. to 10 Mc.

You can now design into electronic systems a solid state, low frequency source relatively small in size that also provides the reliability and stability of a quartz crystal. Completely transistorized units available from stock for computers and other commercial applications. Packages for severe environmental conditions designed to your exact specifications with minimum lead time required.

TYPE CM5
AMATEUR AND MARINE

Frequency range 1,000 to 30,000 Kc. Fixed air gap, standard 0.486″ x 0.093″ or standard octal socket. MIL FT 243.

TYPE CM1
COMMERCIAL, MILITARY AND MARINE

Fixed air gap design, frequency range of 800 to 30,000 Kc. Available in standard ¾″ and G.R. ¾″, ⅝″, ⅞″ or 0.850″ spaced pins JAN Type HC-1/U

Send for information on NEW Type PC-1 tubular style low-frequency unit designed for printed circuits to operate under high vibration and shock conditions.

OVENS

TYPE VCO-1
CLOSE FREQUENCY OVEN

Temperature controlled oven . . . mounts two VR6, VR13, CM1, or CM5 crystals. Heater, 18 watts . . . for 6, 10, 28 or 115V. Fits standard octal socket . . . with pilot lamp connection to thermostat.

TYPE VCO-2
CLOSE FREQUENCY OVEN

Temperature controlled oven . . . mounts two JAN HC-6/U, HC 13/U, VR13 or VR6 crystals. Heater, 4 or 6 watts . . . for 6, 12.6 or 28V. Fits standard octal socket . . . with pilot lamp connection to thermostat.

TYPE CBC-0
FOR BROADCAST EQUIPMENT

Frequency range . . . 60 to 10,000 Kc. Available for 6, 8 or 10V operation . . . temperature stability to ±0.5 deg. C Fits standard 5-prong socket.

Multi-crystal, high temperature and special oven packages manufactured to meet your specifications in prototype or large quantities.

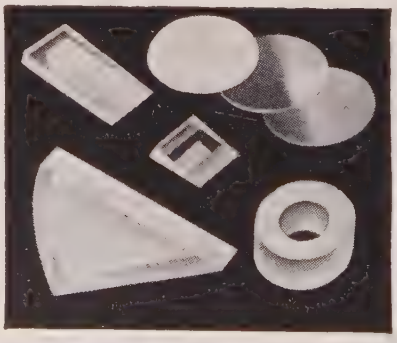
CRYSTALS FOR ULTRASONIC, DELAY LINES, OPTICAL APPLICATIONS AND INFRARED OPTICS*

GENERAL SPECIFICATIONS:

Diameter:
±0.001″ of specified diameter
Polish:
Optical pitch polish, free from scratches or pits
Edges:
Free from chips and incipient fractures
Flatness:
Flat to 0.000020″
*And other specialized applications

Parallelism:
Parallel to 0.000050″
Plating Metals:
Chrome and gold
Chrome and silver
Chrome and aluminum
Chrome
Special plating to your requirements

Catalog QC-200 on request



NATURAL QUARTZ, FUSED QUARTZ, TOURMALINE, GLASS AND OTHER HARD MATERIALS TO YOUR SPECIFICATIONS

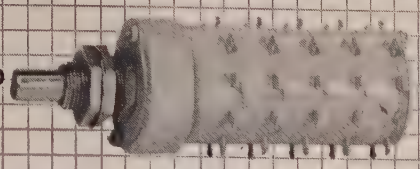
VALPEY CRYSTAL CORPORATION

CRAFTSMANSHIP IN CRYSTALS SINCE 1931

Telephone: GArden 9-4851, 9-4854 • HOLLISTON, MASSACHUSETTS

ROTARY SELECTOR SWITCHES

Illustrated:
Series 1900
Miniature



TOTALLY ENCLOSED MEET MIL-S-6807A

Typical Specifications

	Series 1200 and 1300	Series 1900 Miniature
Capacity	To 15 amp ind. To 20 amp res.	2 amp ind. 5 amp res.
No. of Wafers	1—16	1—16
Life (make/break at rated current)	10,000 dbl cycles	10,000 dbl cycles
Avail. Indexing	30, 36, 45, 72, or 90 deg.	30 or 36 deg.
Diameter	1¾ to 3 in.	1 in.

SHUNTS, JUMPERS & BUSBARS

Also by Janco—a wide range of:

- External Meter Shunts, types MSA, MSB, and MSC, ranging 30 to 1200 amps. "Specials" ranging 0.5 to 3000 amps. Bonding and Current-Return Jumpers, AN & MS Series. Complete "Specials" series.
- Busbars and Flexible Bus Assemblies.

Free Catalogs Available at Sales Offices, or Write:

JANCO CORPORATION

3111 Winona Ave., Burbank, Calif.

if YOU ARE LOOKING FOR TOP QUALITY IN

COILS

BOBBIN. Acetate, nylon and paper . . . precision and random wound. Wire size #25 to #50. Self leads, attached leads or terminals.

INTERWEAVE. Cotton or acetate interweave. Paper, paper acetate or phenolic tubes, all sizes and shapes. Vacuum impregnated or potted. Wire size #25 to #50. Self or attached leads or terminals.

TOROIDAL. Complete range of sizes: subminiature to 4" O.D. Stabilized or unstablized cores, temperature range —55° C to 85° C or better. Finished as desired, with leads or terminals. Plain, wax or plastic dipped. Encapsulated with polyester or epoxy resin. Cased or uncased.

We supply all types of coils for use in solenoids, relays, computers, clocks, timers, motors, generators, filters, electronic units, controls and transformers. These coils are produced to exacting specifications, and are continuously inspected in every step of production.

Our deliveries are prompt. Our price is competitive. Our quality is excellent.

Consult us on new designs or on present products. Our service can help improve your product and reduce costs.

Top Quality *guaranteed* in any volume!

Endicott Coil Co., Inc.

24 Charlotte Street BINGHAMTON, N. Y.

VALUABLE 64 PAGE REFERENCE SECTION

in electronics BUYERS' GUIDE

Prepared especially by the 25-man editorial staff of *electronics*, this 64-page section is designed to assist the buyer by providing him with market data, electronics applications, market distribution, market reports and books, industry organizations and services.

electronics BUYERS' GUIDE and Reference Issue

A McGraw-Hill Publication
330 West 42nd Street
New York 36, New York

DC-AC CHOPPERS

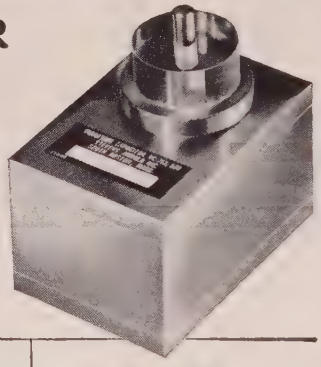
For 50/60/94/120 Cycle Use

There are twenty-two miniature types, both single and double pole, built to rigid commercial specifications with the emphasis on long life, low noise level, and extreme reliability. Please write for Catalog 515.

MICROVOLT MODULATORS

VIBRATING CAPACITOR

A vibrating-reed type capacitance modulator used to measure currents as low as 10^{-16} amperes. Drift never exceeds ±0.2 millivolts per day, noncumulative. Thus it is ideal where stable performance without recalibration is required for periods of a month or more. Write for Catalog 523.



ULTRA HIGH SPEED RELAYS

Operating time 200 microseconds. Mount in any position. Will cover the range of —65°C to +85°C factory sealed. Please write for Catalog 337.

0-500 CYCLE DC-AC CHOPPERS

Liberal factors of safety. Before any Chopper is shipped, it is tested twice over the range of —65°C to +85°C to give double proof of stamina. Please write for Catalog 280.

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Permit remote control by radio or carrier through frequency discrimination. Relays operate only when energized at rated frequencies and reject all others. Please write for Catalog 335.

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Curtis joints benefit by a rigid insistence on uncompromising inspection and quality control at every stage of manufacture, insuring minimum backlash.

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Not sold through distributors. It will be to your advantage to write or phone (REpublic 7-0281) for free engineering data and price list.

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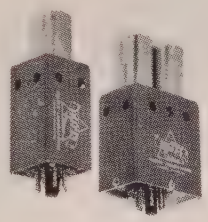
The design and production of precision electronic equipment has been the specialty of the laboratory of Delta Exploration Company, Inc. since 1948. Now under the name of DELTEX, this same quality workmanship and production control is available for production items listed below as well as your special design problems.

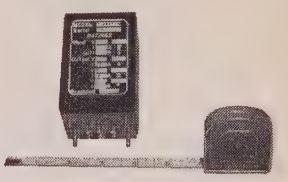


OPERATIONAL AMPLIFIERS

Metal enclosure insures physical rigidity and electromagnetic isolation. These modules are physically and electrically interchangeable with equivalent amplifiers presently in use.

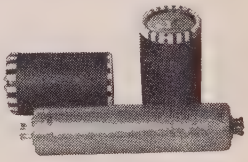
TRANSISTORIZED POWER SUPPLIES

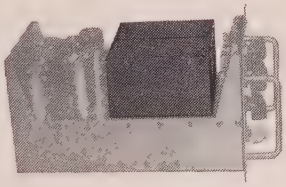
Unregulated, transistor regulated, or mag amp regulation. Standard models for 12 volt input, 150 to 400 volt output at 70 to 200 ma. Other input and output on request.



MINIATURE HI-VOLTAGE SUPPLY

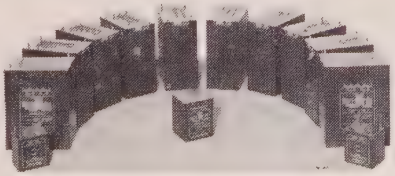
Fully transistorized for use with photo multiplier tubes, ionization chambers and GM tubes. Smaller than a pair of standard flashlight batteries. Input of 3 to 5 volts delivers 1500 to 2500 volts out.





LOW FREQUENCY FILTERS

These filters use Chebyshev design for high cut-off rate in a small package. Both high cut and low cut with attenuation rates to 120 db per octave. Ten cut-off frequencies from 125 cycles per second down to 18 cycles per second.



LOW FREQUENCY DELAY LINES

Delay from 0.5 milliseconds to excess of 150 millisecond with 0.1% harmonic distortion at frequencies from 10 to 250 cycles per second. Various forms available including automatic programed delay functions, and miniature models.

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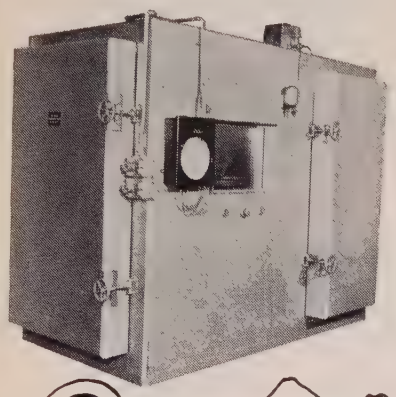
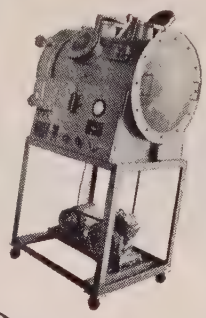
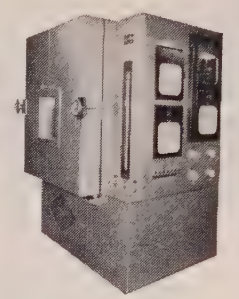
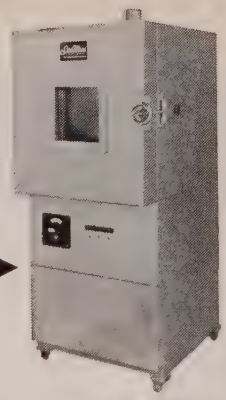






ECONO-MODEL



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Model 707 TWIN-RACK's Floatation System literally keeps equipment "riding-on-air" thus prolonging the life of any wheeled instrumentation.

Model 707 TWIN-RACK will accept two 19-inch panels in a butt arrangement as shown or a single 38-inch panel on either side. Overall dimensions:

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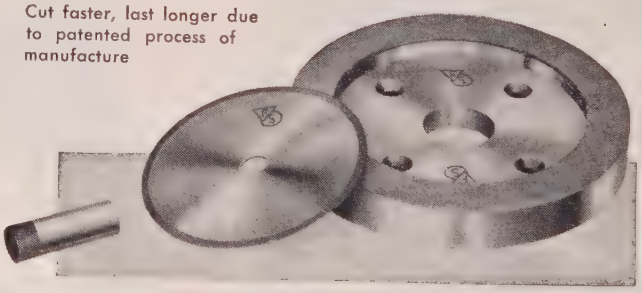

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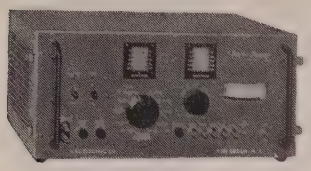
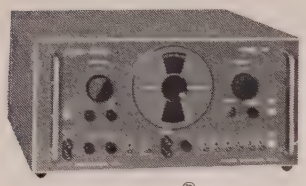


Vari-Sweep®

INST.	RANGE	TUNING	WIDTH	OUTPUT	PRICE*
MEGA-SWEEP®	50kc–1000mc	continuous	0–40mc	100mv	$525.00
CALIB. MEGA-SWEEP	50kc–950mc	single dial	0–40mc	50mv	$575.00
MEGA-SWEEP 111A	10mc–500mc 400mc–950mc	zero level base line	0–40mc	.15V rms 70 ohms 3V rms 300 ohms	$625.00
VARI-SWEEP®	2–220mc Fund	continuous	Up to 30mc plus	1.0V rms 70 ohms	$795.00
VARI-SWEEP 400	15-470mc	continuous	30mc plus	1.0V rms 70 ohms	$850.00
MAGNA-SWEEP	5–1000mc 2200–3800mc	continuous variable over range	25–1000mc	0.1V rms 1.5V rms 50 ohms	$4950.00

SWEEPING OSCILLATORS WITH MARKS

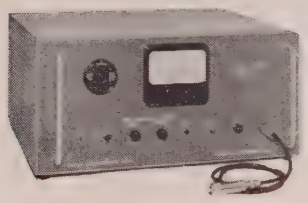
Rada-Sweep® Sr.



Ligna-Sweep® SKV

INST.	RANGE	TUNING	WIDTH	MARKERS	OUTPUT	PRICE*
MARKA-SWEEP® MODEL VIDEO	50kc–20mc	3 ranges 50kc–20mc	complete range	6 Crystals	0.2V rms 70 ohms	$550.00
MARKA-SWEEP MODEL VIDEO TTV	50kc–8mc	.....	0–8mc	5 Crystals 1 Variable	1.5V rms 70 ohms	$745.00
MARKA-SWEEP MODEL VIDEO 50	50kc–50mc	contin.	4–50mc contin. variable	8 Crystals	1.0V P.-P. 70 ohms	$795.00
VARI-SWEEP MODEL RADAR	10–145mc Fund	contin.	30mc+	11 Crystals 1 Variable	1.0V rms 70 ohms	$985.00
AND MODEL IF	4–120mc Fund	contin.	30mc+	11 Crystals 1 Variable	1.0V rms 70 ohms	$985.00
RADA-SWEEP® SR	1–260mc Fund	6 switched bands	60–70mc	24 Crystals	0.5V rms 70 ohms	$650.00 plus crystals
KILO-SWEEP®	50kc–2mc –5mc –10mc	contin.	contin. to 100kc	6 Crystals	0.25V rms 70 ohms	$595.00-$895.00
SONA-SWEEP® MODEL M	20cps–200kc	contin.	500c–20kc 2kc–200kc	10 Crystals	5V rms 600 ohms	$895.00
RADA-SWEEP	20-40mc 50–70mc	.....	20mc or 3mc	9 Crystals	.25V rms 70 ohms	$450.00
LIGNA-SWEEP® CP	100kc–220mc	6 switched bands	10–60mc contin. variable	18 Crystals	1.0V rms 70 ohms	$750.00 plus crystals
LIGNA-SWEEP SKV	200cps–220mc	3 Video 9 VHF 8 Cust. Sel.	1kc–12mc 10–220mc 20kc–12mc	Optional Internal	1.0V rms 600 ohms and 70 ohms	$995.00

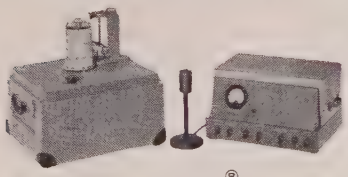
NOISE FIGURE MEASUREMENT . . . NOISE GENERATORS



Mega-Node® 3000

INST.	RANGE	NOISE FIG. RANGE	PRICE*
MEGA-NODE®	5–220mc	0–16db @ 50 ohms 0–23.8db @ 300 ohms	$365.00
MEGA-NODE 3000	1–3000mc	0-20db @ 50 ohms	$790.00
MICROWAVE MEGA-NODES	1120–26,500mc	Fluorescent Tubes 15.8 ± .25db Inert Gas Tubes 15.28 ± .1db	$175.00–$595.00 (with power supply)
MEGA-NODE 403-A	3–500mc	0–19db, 50 ohms	$365.00
AUTO-NODE	2–2000mc	0–18db @ 70 ohms	$1995.00
THERMA-NODE	2–1100mc	±0.1db @ 50 ohms-unbal.	$495.00

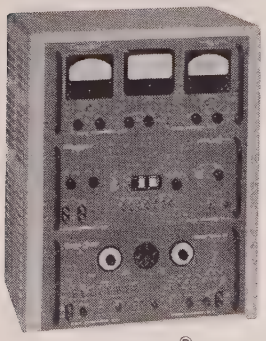
SPECTRUM ANALYSIS



Sona-Graph®

INST.	DESCRIPTION	FREQ. RANGE	FEATURES	PRICE*
VIBRALYZER®	Vibration Frequency Analyzer	4–4400cps	Displays amplitude vs frequency vs time. Provides permanent record.	$2495.00
SONA-GRAPH®	Sound spectrograph for frequency analysis of audio energy	85–8000cps	Records frequency and intensity to time.	$2295.00
ECHO-VOX® SR	Provides variable periods of time delay at audio frequencies	40–12,000cps	20 to 1600 millisecond delay range	$1795.00
SONALYZER® MODEL 30	A 30-Channel all-electronic spectrum analyzer providing immediate visible display of complex waveforms up to 20,000cps			$1995.00
SONOGRAM DISPLAY UNIT	Accessory for use with Sonalyzer to provide a 3-dimensional—frequency vs intensity vs time—display on long persistence scope			$495.00
VARI-VOX®	A compressor and expander for audio signals; slows to 1/3 or doubles normal tempo with no loss of intelligibility			$1495.00

OTHER INSTRUMENTS



Transalyzer®

INST.	RANGE	RANGE OF MEASUREMENT	FEATURES	PRICE*
DRD METERS®	1.1–18Kmc 9 Models	Direct reading digital frequency meters with coupling elements for waveguide or coaxial line. Accuracy ±0.1%		$325.00– $550.00–
MICROLTER 50 VTVM	100cps–50mc	Full scale: 1mv-1V in 7 ranges. May be used as 50mc video amp.		$595.00
TRANSALYZER	50kc–50mc	Measures Alpha and Alpha Cutoff-Collector and Emitter Current, 3 Voltages—Emitter to Base, Emitter to Collector, and Base to Collector		$1795.00
MEGA-MATCH®	10mc–1000mc	Contin. tuned sweeping oscillator	Displays reflected energy. Checks matching impedance	$895.00
UTILATOR	4.5–220mc	Fundamental Freq. Utility Oscillator	0.7V rms into 70 ohms metered AGC'd	$325.00
GAIN SET®	Complete Equipment for Making Precision Measurements of Gain or Loss in Components and Systems			$2195.00
MEGA-PIX®	TV Sound-Picture	Color or Black and White Transmitter	.25 output into 70 ohms	$925.00
RADA-PULSER® SR	Pulsed-Carrier Generator, 12–80mc. Continuously variable carrier frequency and pulse width			$795.00
AUDIOLATOR	15cps–15kc	Transistorized audio oscillator, battery operated. Flat to ±0.5 db over range. Output 1.0V rms at 600 ohms.		$195.00
TRANSFIER®	15cps–25mc 20cps–15mc	Transistorized battery operated amplifier giving 10db and 20db gain		$125.00
MEGAVOLTER	1kc–200mc	±1%–1kc-10mc ±2%– to 50mc ±3%– to 200mc		$295.00

*All Prices f.o.b. factory

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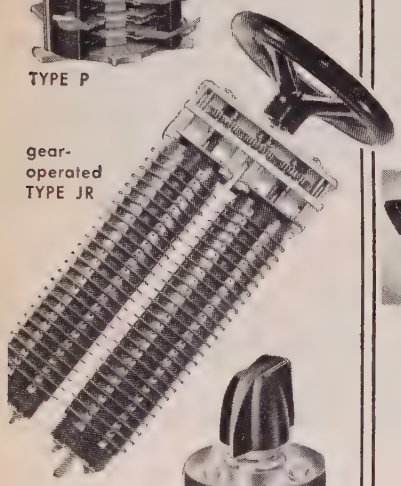
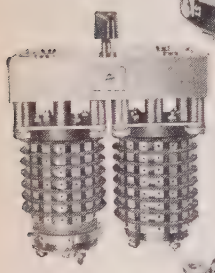
TYPE JR

TYPE P



gear-operated TYPE JR

TYPE A/AF



geared pair TYPE HT

TYPE JS-JD

TYPE HT

ESCO standard components are assembled to meet your requirements.

A deviation from one of our standard switch assemblies will give you a *special switch* at a standard-switch cost.

Over 90% of our production is *special* in one way or another.

These standard switches can be modified to fit your application:

- *Type A* — up to 8 positions, 7 sections maximum, detent mechanism, rating 5 amp. 125 volts a-c/30 volts d-c.
- *Type AF* — up to 8 positions, 6 sections maximum, detent action, rating with resistive load 5 amp. at 28 volts d-c or 115 volts 400 cps, per MIL-S-6807.
- *Type P* — Multi-section, up to 4 positions, snap-action, rating 10 amp. 125 volts a-c, 5 amp. 125 volts d-c, 30, 60, 100, 200 amp. 500 volts a-c, or 250 volts d-c. Can be assembled to meet Specification MIL-S-15291.
- *Type JR* — up to 8 positions, 30 sections maximum, detent action, rating 10 amp. 125 volts a-c, 5 amp. 125 volts d-c.
- *Type JD-JS* — up to 8 positions, 5 sections maximum, detent action or snap action, rating 30 amp. 230 volts a-c.
- *Type HT* — up to 16 positions, 10 sections maximum, detent action, rating 5 amp. 125 volts a-c.
- *Geared-Pair Type HT* — up to 16 positions, 20 sections maximum, detent action, rating 5 amp. 125 volts a-c. A single knob controls two Type HT switches assembled with a gear mechanism.
- *Navy Switches* — to MIL-S-15291 and Bureau of Ships drawings 9000-S6202-73075, 73826, 73827, 73295, 74422, and others.

Write for data sheets on individual switches or complete new catalog on ESCO rotary multipole switches. Send us your requirements and we'll give you full specifications on the ESCO switch that meets *your* need.

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ELECTRO SWITCH CORPORATION
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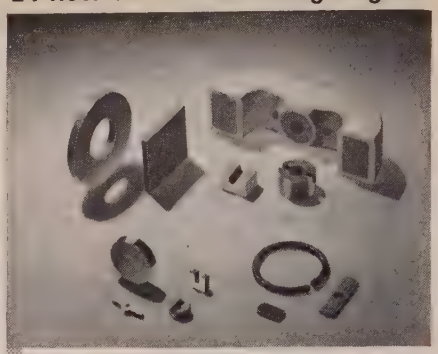

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Stability 5 parts in 10^{10} per day

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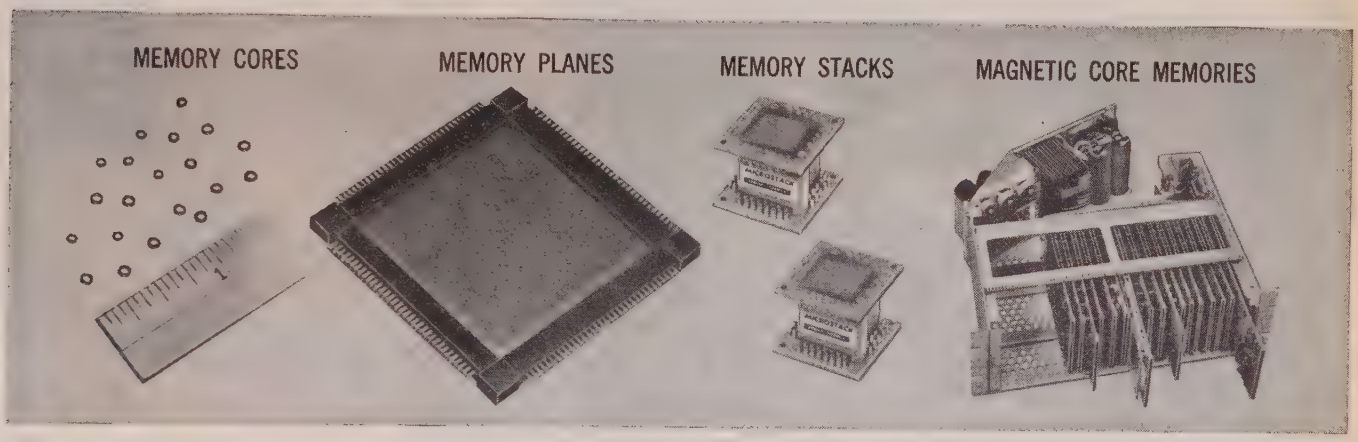
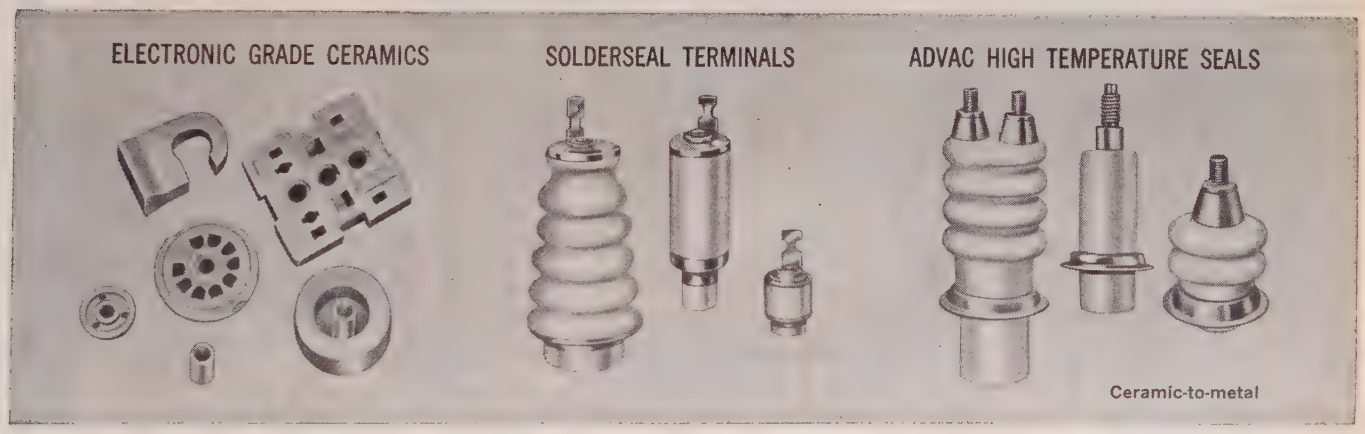
Ferramic® Core Materials

Memory Products



Technical Ceramics



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DIVISION OF INDIANA GENERAL CORPORATION

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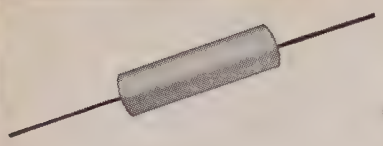

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- Type MMS — H.S. Metal Shell
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- Type MMA — H.S. CP70 Case
- Type MMST — H.S. CP11 Case
- Type MMMR — Mylar® Wrapped, Round
- Type MMMF — Mylar® Wrapped, Flat
- Type MME — Ceramic Shell, Epoxy Fill

Same styles available in metallized paper; substitute "P" and for "M" in second letter of above types.

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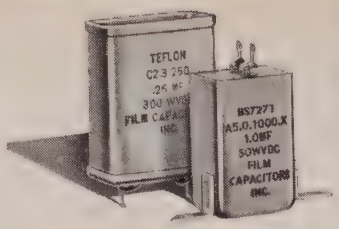

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- Highest Capacitance Stability
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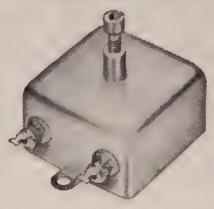
- Stable Operation Up to 85°C. (Polystyrene) and 200°C. (Teflon)



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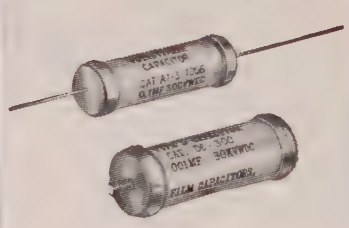

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- Voltage Up to 60,000 V

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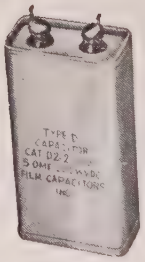

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Designed for

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Low Current DC Applications from 2 to 30 KV

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PART NO.	OUTPUT VOLTAGE	% RIPPLE AT RATED CURRENT	RATED CURRENT OUTPUT	MAX. CURRENT OUTPUT
PS — 2 S	2 KVDC	1%	5 MA	7.5 MA
PS — 5 S	5 KVDC	1%	5 MA	7.5 MA
PS — 12 T	12 KVDC	1.5%	1 MA	1.75 MA
PS — 15 T	15 KVDC	1.5%	1 MA	1.75 MA
PS — 30 T	30 KVDC	1.5%	1 MA	1.75 MA

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*For all applicable MIL Specifications**

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ITT ELECTRON TUBE PRODUCTS — PARTIAL LISTING

Federal C W POWER TRIODES

For Industrial & Broadcast Applications

Type	Cooling[1]	Plate Dissipation[2] (kw)	Mu	Plate Input[2] (kw)	DC Plate Voltage[2] (kv)	Freq.[2] (Max. Ratings) (mc)
F-3X2500A3	A	2.5	20		4	110
F-3X2500F3	A	2.5	20		6	30
F-7C25	A	2.5	25	7	5.5	30
F-8C25	A	12	6	30	8	
F-129B	W	7.5	26	18	12	30
F-134A	W	150	21	450	20	22
F-343A	W	10	40	36	18	4
F-343AA	A	5	40	20	18	4
F-862A	W	100	45	200	20	1.6
F-891	W	6	9	20	15	1.6
F-891R	A	4	9	15	10	1.6
F-892R	A	4	50	18	12.5	1.6
F-898A	W	100	50	200	20	1.6
F-5604	A	10	19.5	32.5	12.5	22.5
F-5606A	W	10	36	30	15	1.6
F-5619	W	20	19.5	32.5	12.5	22.5
F-5666	W	12.5	21	20	10	22.5
F-5667	A	7.5	21	20	10	22.5
F-5668	W	20	50	28	14	5
F-5669	A	10	50	28	14	5
F-5771/356	W	22.5	20	60	12.5	25
F-5874	W	15	6	30	8	
F-5918A	W	70	41	175	19	22
F-5919	A	35	41	125	17.5	22
F-6009	W	6	25	12	6	30
F-6179	W	50	4.75	120	15	
F-6366	A	3	25	7	5.5	30
F-6367	A	3	25	12	6.2	30
F-6379	W	70	5	150	17.5	
F-6398	W	225	21	400	20	22
F-6399	W	6	25	9	6.2	30
F-6400	W	6	25	12	6.2	30
F-6691	A	17	21	60	15	30
F-6692	W	30	21	90	15	30
F-6800	W	20	19.5	45	15	22.5
F-6801	A	10	19.5	40	15	22.5
F-6803	W	70	41	175	19	22
F-6804	A	35	41	150	19	22
F-6921	W	30	4.25	60	15	30
F-6925	A	3	17	12	6.5	30
F-6926	W	6	17	12	6.5	30
F-6926J	W	6	17	12	6.5	30
F-7206	W	20	18	55	12.5	30
F-7207	A	17	6	30	10	Audio
F-7328	A	20	6	50	10	Audio
F-7532	V	10	5.5	18	6	
D-1008[3]	W	20	18	60	10	50
D-1010	W	40	15	125	15	
D-1015	A	5	5	18	6	30
D-1025A	W	90	41	175	19.5	22

(1) A = Forced air cooled; W = Water cooled; V = Vapor cooled.
(2) Independent maximum ratings.
(3) Ceramic construction.

Federal PULSE POWER TRIODES

For Modulators & Amplifiers

Type	Application	Cooling[1]	Pulse Power Output (kw)	DC Plate Voltage[2] (kv)	Current[2] (a)	Pulse Length[2] (usec)	Duty[2]
F-7C23	RF Pulse Ampl.	A	60	17.5	0.1*	90	.005
F-5680	RF Pulse Ampl.	A	90	17.5	35†		.03
F-6398	Pulse Mod.	W	13,200	65.0	450‡	3,000	.06
	RF Pulse Ampl.	W	1,300	30	300†	10,000	.03
F-6401	RF Pulse Ampl.	W	250	17.0	75‡	15	.002
F-6920	Pulse Mod.	A	4,100	40.0	150‡	15	.002
F-7012	RF Pulse Ampl.	A	90	17.5	40†		.03
D-1008[3]	Pulse Mod.	W	1,600	18	220†	2,000	
D-1025A	Pulse Mod.	W	9,000	65	230†	2,000	.06

(1) A = Forced air cooled; W = Water cooled.
(2) Independent maximum ratings.
(3) Ceramic Construction

*Average plate current.
†Peak cathode current.
‡Peak plate current.

Kuthe HYDROGEN THYRATRONS

Type	Pb X10[9]	epy kv	Ebb kVdc min.	ib a	Ib Adc	O.A. Height (in)	Dia. max. (in)
3C45	0.3	3.0	.80	35.0	.045	5.20	1.56
6777	0.75	8.0	2.5	35.0	.045	5.25	1.56
▲KU-70	1.2	6.0	0.5	100.	.10	1.75	1.0
4C35A	2.0	8.0	1.5	90.0	.100	6.87	2.56
5957/E37B	2.5	8.0	1.5	83.0	.100	4.37	1.56
▲KU-71	4.0	10.0	1.0	200.	.20	2.25	1.37
5C22/HT415	3.2	16.0	4.5	325.	.200	8.75	2.56
6587	3.9	16.0	3.5	325.	.225	7.25	2.56
*7665/KU-72	7.0	20.0	2.5	350.	.300	3.00	1.75
5949A/1907A	6.25	25.0	5.0	500.	.500	12.50	3.31
5948A/1754A	9.0	25.0	5.0	1000.	1.0	16.25	5.12
*7666/KU-73	20.0	25.0	5.0	1000.	1.5	5.75	3.00
1257	20.0	33.0	3.5	2000.	2.6	20.87	7.12
*7667/KU-74	40.0	33.0	2.5	2000.	4.0	11.0	4.50

*Ceramic Tubes ▲Tentative Data

ITT TRAVELING WAVE TUBES

Type	Frequency (kmc)	Power (w)	Duty	Dia.[1] (inches)
F-6658†	1.7 - 4.0	2 w	CW	1.6
F-6825	2.0 - 4.0	1 kw	.005	1.6
F-6826*	2.0 - 4.0	1 kw	.005	1.6
F-6867†	8.0 - 9.6	100 mw	CW	1.6
F-6868†	1.7 - 4.0	10 w	CW	1.6
F-6996	8.0 - 9.6	10 w	CW	1.6
F-7066	8.0 - 12.0	50 mw	CW	0.5
F-7067	8.0 - 12.0	1 w	.04	0.5
F-7338*	2.0 - 4.0	1 kw	.005	1.6
F-7339	8.5 - 9.6	1 kw	.005	1.6
F-7340*	8.0 - 9.6	1 kw	.005	1.6
F-7341*	8.0 - 9.6	5 w	.04	1.6
F-7347	2.0 - 4.0	1 kw	.005	0.65
F-7524	8.0 - 12.0	5 w	CW	0.5
D-2022	4.0 - 8.0	1.5 w	CW	0.5
D-2023	4.0 - 8.0	1 kw	(pulse)	0.5
X-244†	0.95 - 1.22	40 kw	.032	3.6
X-258	2.0 - 4.0	0.1 w	CW	(Packaged)
X-281	4.0 - 8.0	0.1 w	CW	0.65
X-282	4.0 - 8.0	10 w	CW	0.65
X-287‡	0.65 - 1.2	.001 w	CW	1.1
X-298	4.0 - 8.0	.01 w	CW	(Packaged)
X-314	1.1 - 1.6	10 w	CW	—
X-319	5.0 - 6.0	10 w	CW	0.65
X-320	5.0 - 6.0	2 kw	.005	0.5
X-322	0.24 - 0.51	.032 w	CW	1.0
X-323	0.50 - 1.01	.032 w	CW	0.8
X-325*	0.65 - 1.20	1 kw	.02	2.05
X-341A	0.50 - 1.01	1 w	CW	0.8
X-343	0.95 - 2.05	10 w	CW	0.8
X-362	0.50 - 1.50	10 w	CW	0.8

Notes: (1) Clearance diameter for RF portion of tube. ‡ = Low noise
* = Gridded † = Focus electrode for gain control

ITT IATRON® STORAGE TUBES

Type	Diameter Inches	View	Focus/Deflection	Writing Speed Ins. Per Second	Viewing Time Seconds	Resolution Raster Lines Per Inch	Brightness (Foot Lamberts)
7173	4	Direct	EM/EM	100,000	20	70	3,500
7174	4	Direct & Projection	EM/EM	75,000	20	66	15,000
7176	5	Direct	ES/ES	250,000	40	80	2,500
7423	5	Direct	ES/ES	40,000	20	46	4,000
FW-204	5	Direct	EM/EM	100,000	40	80	2,500
FW-211	2½	Direct	ES/ES	20,000	30	80	4,000
FW-212	5	Direct	ES/ES	100,000	40	80	2,500
FW-217	5	Direct	ES/EM	100,000	30	70	2,500

EM = Electromagnetic ES = Electrostatic

Federal POWER DIODES

For Rectification, Pulse Clipping & Other Applications.

Type	Description	Application	Peak Inverse Voltage (kv)	Peak Current (a)	Avg. Current (a)
F-857	Mercury Vapor	Rect.	22.0	40	10
F-869B	Mercury Vapor	Rect.	20.0	10	2.5
F-7030	HV Diode	Rect.	25	30	6
		Shunt	25	75	0.7
F-7131	HV Diode	Rect.	40	10	3
		Shunt	40	150	—
D-98	HV Diode	Rect.	50	45	8.5
		Shunt	50	150	1.0

Other Products Hydrogen Diodes — I.R. Image Converters — Barrier Grid Storage Tubes — Scan Conversion Tubes — Image Dissectors — Photomultipliers — I.R. Detectors — Magnetrons — Cryostats.

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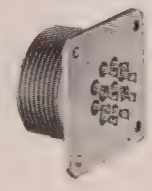

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- **Fine wire (resistance)**
- **Precious metal wire and plate**
- **Fabricated parts and assemblies using precious metal with base metal blades**
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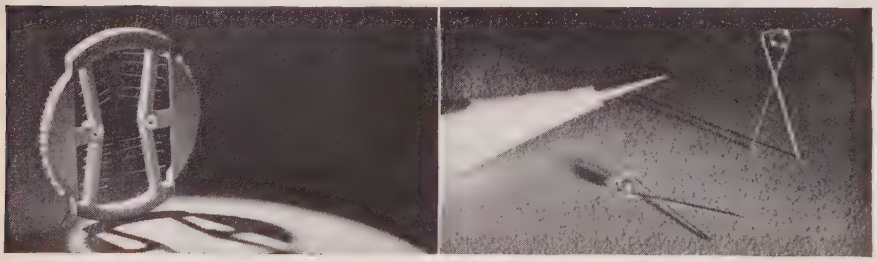

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GREEN PANTOGRAPH ENGRAVERS

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- KEEP YOUR OPERATING COSTS WHERE THEY SHOULD BE!

PORTABLE 40-POUND BENCH MODEL 106

You Make Your Own Engraved Nameplates!

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NEW

MODEL D2-201 PNEUMATIC ATTACHMENT

for use with Model D2 Pantograph Engraver to rapidly drill holes in printed circuits by tracing templates. Drills as many as 100 holes per minute. Equipped with foot switch; spindle air cylinder; regulating valve and pressure gauge; filter and oiler. It's ready to use as soon as it's attached to an air compressor.

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spectrum analyzers...

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RADIO PRODUCTS, INC.

PANORAMIC BROADBAND SPECTRUM ANALYZERS—0.5 cps to 25 mc. A matchless series of 5 easy-to-operate direct reading instruments plot amplitude vs. frequency of input signals with display on 5" CRT or chart. Features include: "quick look" broadband plus highly selective narrow band analysis with adjustable center frequency, sweep width, and selectivity (resolution). Linear and 40-db log calibrated amplitude scales.

APPLICATIONS: vibration-noise analysis, distortion measurements and general Fourier analysis.

Model LF-2a. 0.5 cps to 2,500 cps. Exceptional stability, to 0.05 cps/hr, for narrow-band analysis with 0.1 cps resolution. Built-in recorder gives 12" x 4½" chart. **Model LF-2aM** with automatic center frequency advance thru 0.5-2,000 cps range.

Model LP-1a. 20 cps to 22,500 cps. Exceptional stability: better than 5 cps/hr. "Quick look" 40 cps-20 kc log sweep in 1 sec, plus magnifying linear sweeps. Famous for noise and vibration analysis. **Auxiliary Function Unit C** adds variable IF filter bandwidth (10 cps-1 kc), smoothing filter and 10 second scan interval for more convenient analysis of random signal spectra and other critical applications.

Model SB-7bZ. 200 cps -300 kc (Similar to Analyzer KS 15872 specified by Bell System). Features discriminator linearized and stabilized sweep circuitry. Resolution capability to 100 cps. Proven reliable and easy-to-use under extreme environmental conditions for over a decade.

Model SB-15a. 100 cps-600 kc. Complete, compact, yet only 8¾" high. Many advanced features. 100 cps resolution capability.

Models SPA-3. 200 cps-15 mc; and **SPA-3/25,** 200 cps-25 mc. Resolution capability is 200 cps. For application where broad frequency coverage is a must

ACCESSORIES for PANORAMIC Broadband Spectrum Analyzers: Increase Application Areas

Spectral Density Analyzer, Model PDA-1 for random waveform analysis. **Time-Frequency Analyzers, Models PS-20** and **TFA-1,** for 3-dimensional time-frequency-amplitude studies of transients. Valuable for high intercept probability of intermittent signals.

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Automatic FREQUENCY RESPONSE PLOTTERS 0.5cps to 15mc Automatically plot amplitude response vs. frequency of amplifiers, transducers, filters, etc. Combines Panoramic Spectrum Analyzer and companion sweep generator for these unique advantages; single-line display, unlimited dynamic range, response to **fundamental frequency** only, discrimination against spurious and noise. Use **Model G-5** with LF-2a, **G-2** with LP-1a, **G-3a** with SB-7bZ, **G-15** with SB-15a, **G-6** with SPA-3 and SPA-3/25.

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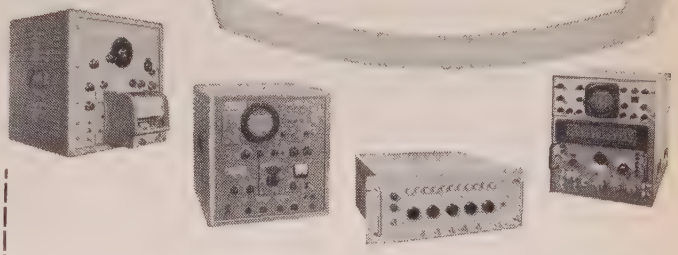
Panalyzors—for wide range RF Spectrum Analysis. **Three models: SB-3, SB-8b,** and **SB-12a** (in various types) cover the frequency range up to 1000 mc (use external mixer above 1000 mc), supplying broad choice of sweep widths up to 10 mc, sensitivity, resolution capabilities up to 10 cps, and other factors. Widely used for analysis of locally generated AM, Single Sideband, FM, and pulsed transmissions, for general RF spectrum study, and spotting spurious frequency components.

FASTER SINGLE SIDEBAND SPECTRUM ANALYSIS with preset operational modes: **the new Model SSB-3a** incorporates a 60 db dynamic range Panalyzor with a stable 2-40 mc tuning head, new and improved two-tone audio source (**Model TTG-2,** see below), unique self-checking features. High selectivity allows hum sideband measurments to —60 db. **Model REC-1** (optional) extends SSB-3a range down to 100 cps.

Two-Tone AF Generator, Model TTG-2. New, distortion-free modulation source. Also for filter linearity and distortion measurements. Continuously variable 100 cps-10 kc metered output.

Two-Tone RF Generator, Model TTG-5. Low distortion output tones (2 mc-40 mc) for receiver linearity tests and as exciter driver for RF power amplifiers and filters.



PANADAPTORS—Basic Models SA-8b and SA-3 (in over 20 types). Used with Communication and Special Purpose Receivers, provides continuous monitoring for detecting interference, spurious, intermittent and off-frequency transmissions, as tuning aid for telemetry and SSB signals. Adaptable to receivers with non-standard IF. Specify companion receiver when inquiring.

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Model TMC-1, Telemetering Subcarrier Deviation and 3-point Calibrator. Used with TMI-1a for precise analysis of individual channel deviation; also provides 3 frequencies for each channel (including ± 15% upper channels) for discriminator calibration to 0.02%, (0.002% optional).

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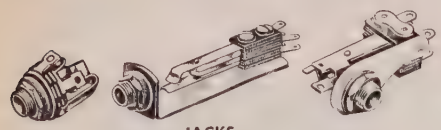

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"LUG-PLUG"—small—low cost.
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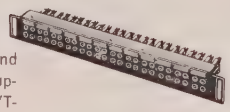
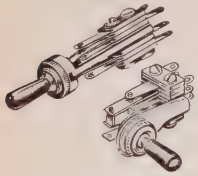
"TWIN-PLUG"—two electrically independent 2-conductor plugs on 5/8" C.C. MILITARY TYPE

JACK PANELS

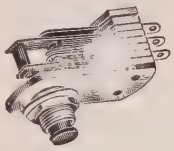


Black phenolic and aluminum types. Support Switchcraft "T-JAX" and "MT-JAX". Single and double row panels. Accommodate up to 52 Jacks.



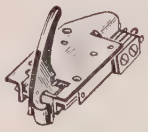
"LEV-R SWITCHES"

Unusually compact. Many circuits. Locking and non-locking. Series 3000 and 13000—single hole mounting. Series 12000 requires only about 1/4 of depth behind panel of conventional "Key" switches.



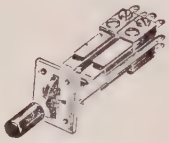
"FF-SWITCH"

Flat frame support spring "pile-up" in various circuits and contact combinations. "Easy" action of colored push buttons.



"HOOK SWITCH"

Switch actuated by hanging accessory on hook. 2 different methods of mounting. Standard circuits. Soft easy action. Require minimum of depth behind panel.

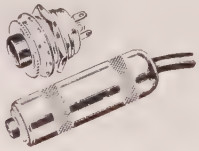


"TELEVER SWITCHES"

Rugged telephone type. Locking and non-locking types. Series 6000 mounts by screws or to escutcheon plate. Series 16000 features single hole mounting.

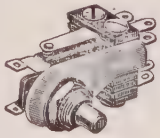
"LITTEL & TINY-SWITCHES"

"Littel-Switch" — rugged yet small, a Push Button switch available in simple circuits; contacts to suit. Various colors of Buttons.
"Tiny-Switch" — similar to "Littel-Switch", except sub-miniature design.



BUTTON AND CORD SWITCHES

"Button-Switches"—unusually small push button switch, completely enclosed.
"Cord-Switches" — cord mounted or pendant switch. Ideal for "hold" in hand operation.



"RS-SWITCH"

Rotary switch, rugged frame supports spring "pile-ups"; minimum panel depth. 2 or 3 position; locking or non-locking action.

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Features choice of switching functions. 1 to 37 stations possible. Single frame or ganged assemblies. Illuminated or non-illuminated buttons.

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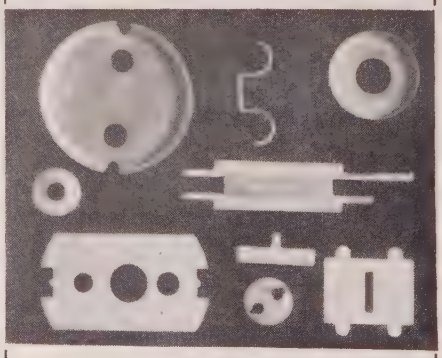

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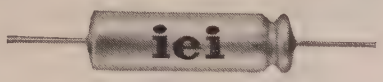
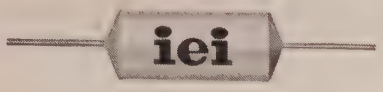


tantalum foil, silver encased, polar



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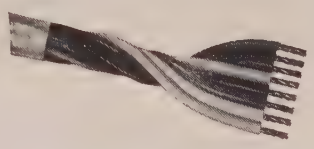


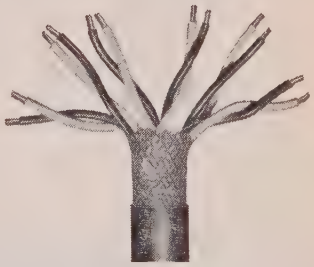
Combining the light weight, superior dielectric properties, heat resistance and solvent resistance of teflon*insulated conductors with the tough abrasion, temperature and solvent resistance of a woven nylon jacket, nylon finished, a cable has been made available that is particularly suited for use in missiles and electronic applications.

Individual wires having silver plated copper strands, insulated with teflon suitably color-coded in accordance with MIL-W-16878B, Type E, are cabled together and jacketed with a tough nylon braid with a nylon finish applied overall.
Available in various conductor sizes as required or in combinations of sizes consistent with standard manufacture.

Cables may be shielded with #36 tinned copper braid applied directly over the nylon braid and jacketed with a nylon braid or extruded PVC applied overall.

MULTI-CONDUCTOR CABLES OF THERMOCOUPLE MATERIALS

For permanent conduit installations, thermocouple wire cables are constructed to customers' specifications. Illustrated LEWIS Part PFN-9, a six pair, #16 solid iron-constantan (JX) cable with individual conductors PVC insulated and color coded white and red, twisted together then cabled with a #36 tinned copper shield woven overall and finally a 3/64 inch black PVC jacket applied over the shielding braid. A center core of asbestos fibers is used as an aid in forming the cable into a rounded contour.



Any thermocouple material may be made into such multi-conductor cables, or if desired, a cable combining electrical wires and thermocouple wires may be designed to fit your requirements. Cables to withstand environmental conditions of severe temperature extremes, moisture and abrasion are prepared with shielding braid on single or paired conductors or with an over-all shielding. Tell us of your requirements.

HIGH TEMPERATURE CABLE . . .

Suitable for operating temperatures up to 650°F with nickel-clad copper conductor and laminated insulation having superior dielectric strength and moisture resistance. In AWG sizes 22 thru 4/0. In accordance with MIL-C-25038.

EXTRA FLEXIBLE CABLE . . .

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In iron-constantan, copper constantan, and chromel-alumel to MIL specifications or in custom constructions. Twisted and shielded, cabled, shielded and jacketed. Multi-pair cables, shield and jacketed for missile applications.

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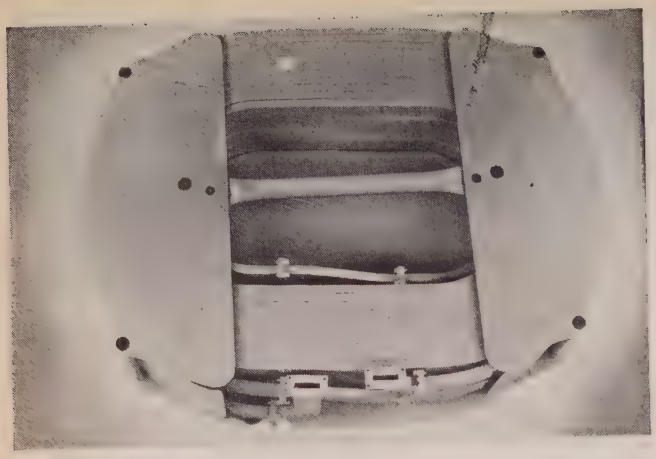
By utilizing and combining the various qualities of fire, heat, abrasion and moisture resistance of asbestos, glass, silicones and Teflon*, we have developed many special wires and cables for avionic and electronic applications. We invite inquiries for cables and wire constructed to customers' specifications for special applications.

*DuPont Trade Mark



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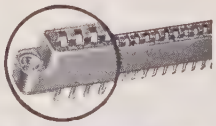

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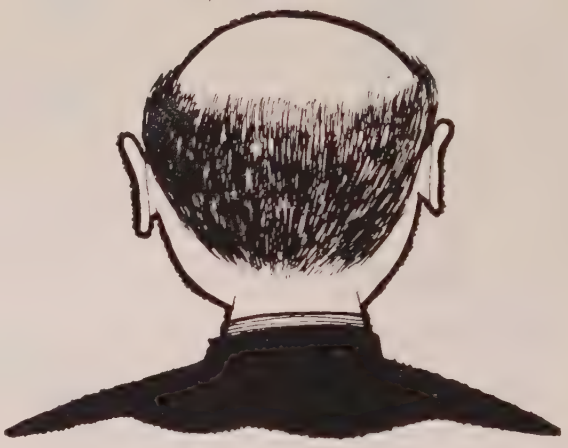

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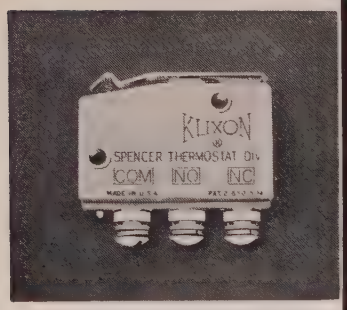
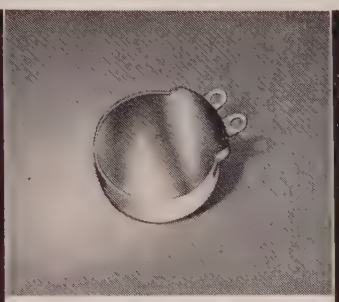


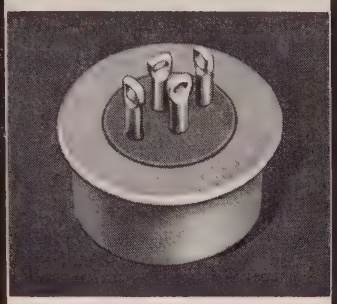
KLIXON KX-5 SERIES PRECISION SWITCHES

Hermetically sealed snap-acting limit switches. Seal uses metalized ceramic terminal inserts and metal diaphragm. Switching element, one-piece sine blade. Steel case withstands high impact and compression loads. High temperature resistance to 375°F. Vibration resistance to 25 g's, 0-2500 cps. Ratings to 10 amperes, 115 VAC or 30 VDC resistive. 25,000 cycles minimum life. Ambient temperatures range, −65°F to +375°F. Weight 1 oz. Variety of actuators available.



NEW KLIXON 4286 THERMOSTAT

Snap-acting disc type control designed to control temperature within narrow limits. Can be supplied to open or close on temperature rise for control or warning in guided missiles, aircraft, electronic circuits, servomechanisms, gyroscopes, surface heaters, etc. Radius: 0.425. Depth: 0.315 max. Ratings up to 6 amps. 30 VAC/DC; 4 amps. 125 VAC; 2 amps. 250 VAC.



NEW KLIXON 2862 PRECISION THERMOSTAT

Positive temperature control for three-phase systems. Hermetically sealed, fixed temperature, snap action. Controls three phases simultaneously. Temperature settings from −65°F to +325°F. Minimum differential: 25°F. Rating 5 amperes, 120 VAC, 60/400 cycles. Variety of mounting brackets available.

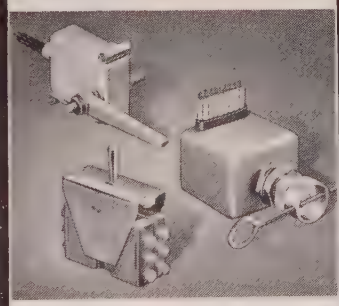
NEW KLIXON 7274 MICRO-MINIATURE CIRCUIT BREAKER

Simple push-pull, trip-free design. Available as shown SPST with 6/32 screw-type terminal or mounting to replace NAF-1357 front-mounted fuse. Also SPDT with N/O auxiliary contacts and 4 solder terminals. Exceptionally small — height 1.420", width 0.744", depth 0.562". Ratings ½ to 5 amperes. Ultimate trip @ 77°F, 115-145%. 200% trip, 2-15 seconds. Vibration resistance 10 g's, 10-500 cps. Shock resistance 25 g's. Weight only 0.9 oz.

NEW KLIXON D6760 SIMULTRIP* CIRCUIT BREAKER

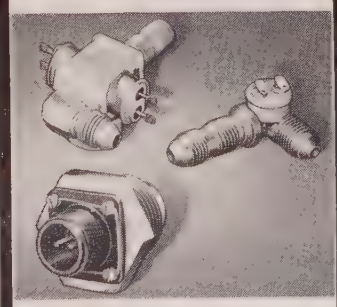
Thermal type, three phase. Interrupts high AC short circuits . . . trips quickly . . . provides simultaneous tripping of all three phases should any one phase become overloaded. Phases can be different ratings. Ratings 5 to 60 amperes. 120/208 VAC, 60/400 cycle systems and 220/440 VAC, 60/400 cycle systems. Weight 227 grams. Minimum AC rupture capacity 2500 amperes, 1 ϕ, 120 VAC, 400 cps. Ultimate trip @ 77°F, 105-130%. 200% trip, 10-65 seconds.

*Trade Mark



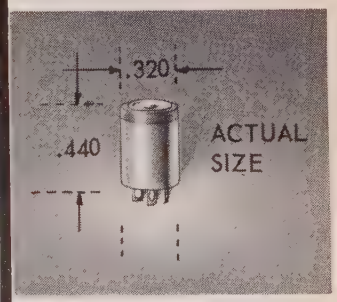
PACKAGED PRECISION SWITCHES

The KLIXON KX series, AT1 Type Hermetically Sealed Switches are used as basic units to build packages to fit special applications with varying combinations of connectors and leads. Environment free, metal-to-metal, glass-to-metal sealed. Qualified under MIL-S-6743, MIL-E-5272A, AN3234. The KX4 series has been assigned MS24456 (USAF).



PACKAGED PRECISION THERMOSTATS

Custom designed thermostat packaging to meet special requirements based on KLIXON hermetically sealed M1 Thermostats, a highly vibration resistant, snap-acting, non-adjustable type. The M1 conforms to MIL-E-5272A, MIL-T-5574A. We provide designing, testing and fast delivery.



NEW KLIXON AT1-1 SUBMINIATURE PRECISION SWITCH

With a 0.440" height, 0.320" diam., KLIXON AT1-1 is a single-pole, double throw, hermetically sealed snap-action switch. Weight: 1 gram. Shock resistant to 100 G's. Vibration resistant to 40 G's, 0-2000 cps. Current capacity: 3 amps., resistive 28 VDC. Environmental free — complete seal assured even at high altitudes. Operates up to 275F. Meets MIL-S-8484A, Class A.

KLIXON Circuit Breakers, Precision Switches, Precision Thermostats and Overheat Protectors are small in size and light in weight; they respond quickly and with accurate repeat performance; they have ample capacity to handle a wide range of electrical loads; their calibrations stand up in the face of severe environmental conditions.

Competent Metals & Controls engineers at the factory and in the field will gladly make test applications of the KLIXON Line. Write for "KLIXON Controls for Electronic Equipment, Aircraft and Guided Missiles" Catalog.

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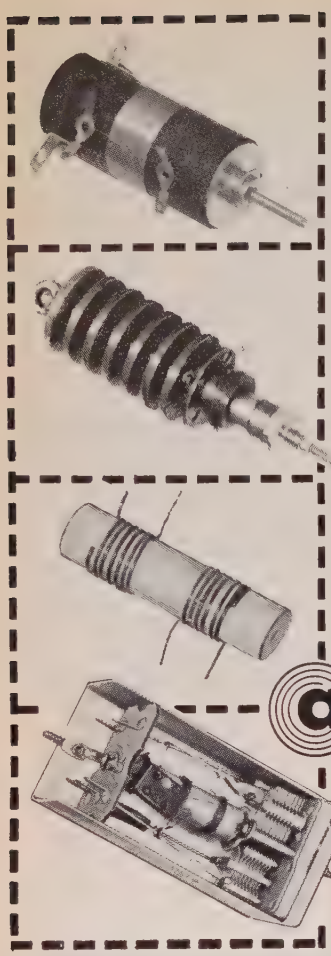
SPENCER PRODUCTS: Klixon® Inherent Overheat Motor Protectors • Motor Starting Relays • Thermostats • Precision Switches • Circuit Breakers

TO LOCATE NEAREST SALES OFFICES, SEE GREEN SECTION. 481

When ordering or seeking information, please mention ELECTRONICS BUYERS' GUIDE.



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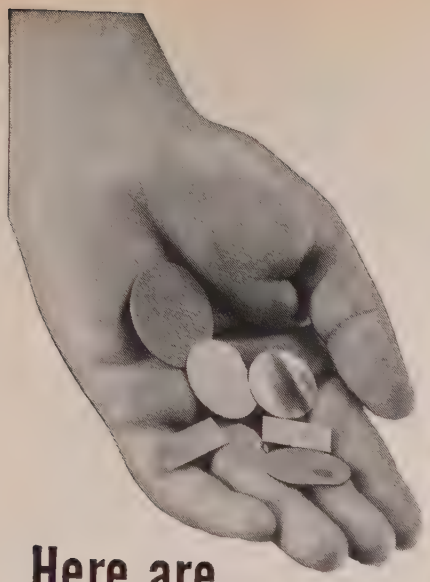

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When you come right down to it, in order to get good device yields, consistency is just about the most important characteristic of Silicon single crystal slices. And consistency can only be assured when you are able to trace the genesis of every slice (even production lots) all the way back to original raw materials.

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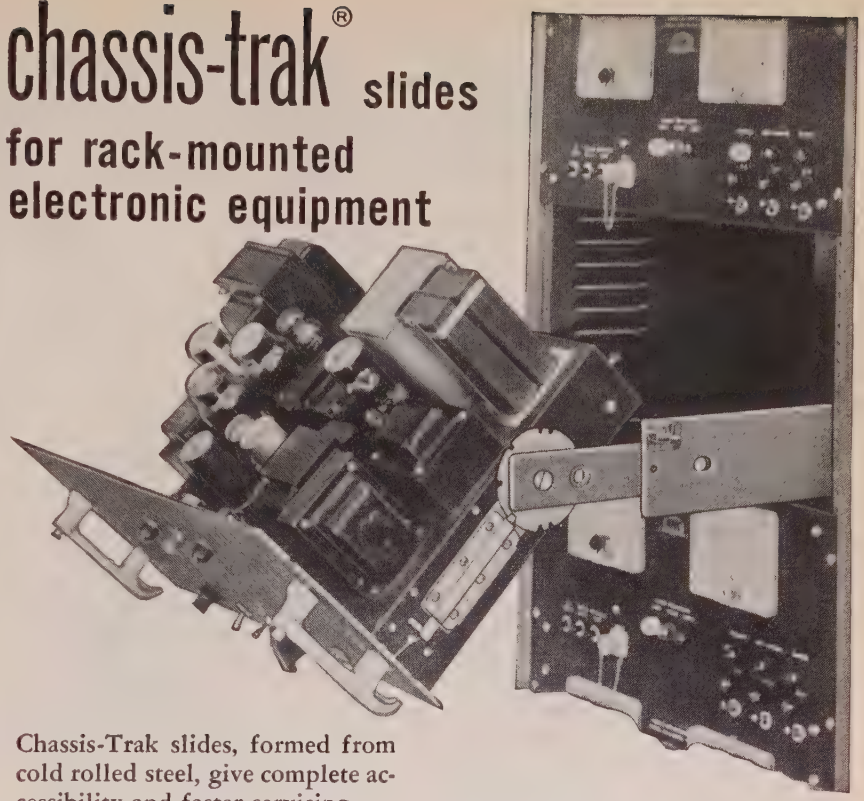
Producers of semiconducting materials for the electronics industry

chassis-trak® slides for rack-mounted electronic equipment



Chassis-Trak slides, formed from cold rolled steel, give complete accessibility and faster servicing . . . and the ultra-thin design means you can cut engineering costs by mounting 17″ chassis in 19″ standard racks. Wide bearing area design increases rigidity and reduces the possibility of binding due to misalignment.

Roller or solid bearing slides are available from stock. The "Detent" model locks in 7 tilt positions. The "Basic" model tilts with no lock assembly. These models are available in either standard weight or heavy-duty styles. Prefabricated gusset mounting assembly can be furnished with standard weight models.

In addition to the standard slides in stock, Chassis-Trak engineers will custom-build slides for special installations. All slides meet specifications for government or military projects and RETMA standards.

Select the right slide for your application

ROLLER BEARING SLIDES	MODEL	SLIDE LENGTH								LBS. MAX. LOAD
		10	12	14	16	18	20	22	24	
Basic	CTRB	X	X	X	X	X	X	X	X	175
Detent	CTRD		X	X	X	X	X	X	X	175
Cradle Track	CTEZ			X	X	X	X	X	X	125
Heavy Duty Basic	CTHRB			X	X	X	X	X	X	275
Heavy Duty Detent	CTHRD			X	X	X	X	X	X	275
Lightweight	C-357		X	X	X	X	X	X	X	150
SOLID BEARING SLIDES	**MODEL**	**SLIDE LENGTH**								**LBS. MAX. LOAD**
		10	12	14	16	18	20	22	24	
Basic	CTB	X	X	X	X	X	X	X	X	175
Detent	CTD		X	X	X	X	X	X	X	175
Light Weight	CTL			X	X	X	X	X	X	100
Heavy Duty Basic	CTHB			X	X	X	X	X	X	250
Heavy Duty Detent	CTHD			X	X	X	X	X	X	250
1¾ Inch	C-300	X	X	X	X	X	X	X	X	50

Basic slides available in tilt and non-tilt.

chassis trak inc.

For additional engineering information, accessories hardware catalog, and prices, write:

525 South Webster, Indianapolis 19, Indiana

In advanced **microwave** *development . . .*

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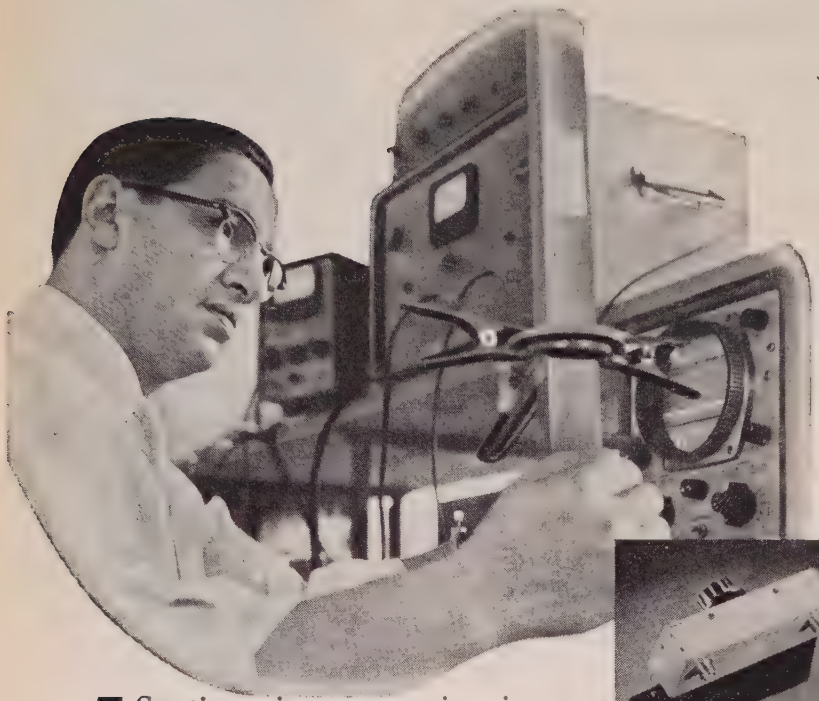

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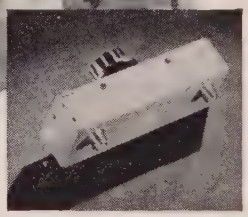
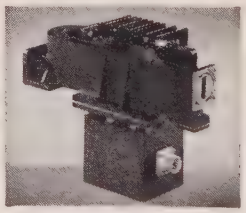
THE WAVEGUIDE HOUSE

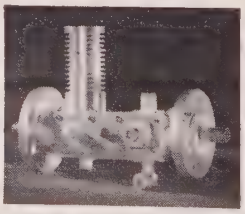


COAXIAL VARIABLE ATTENUATOR
Frequency Range-2670-2930 mc
Attenuation—25 db at 1.75 VSWR



HIGH POWER VARIABLE ATTENUATOR
Power Level—300 kw peak for 8.5-9.6 Kmc
Attenuation—.1-40 db at 1.15 VSWR

WAVEGUIDE SWITCH
VSWR-1.06 maximum
Isolation-100 db minimum



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Directivity—greater than 30 db

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(For transistor circuits)

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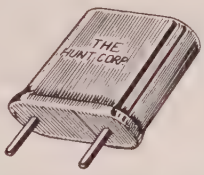

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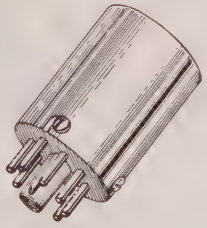

THE **Hunt** CORPORATION
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TIN OXIDE RESISTORS by CORNING

Type N

MIL-R-10509B—½, 1, 2W at 40°C. Derating to 140°C. Up to 4.2 megohms.

MIL-R-10509C New fusion-sealed resistor. ⅛ and ¼-watt. Can be boiled in water without failing moisture specs. 100 ohm to 360 K ohm at 70°C., derating to 150°C.

Low-Power

For radio, television and similar applications. LPI-3: 3W, 125-40 K. LPI-4: 4W, 125-90 K. LPI-5: 5W, 180-110 K. LPI-7: 7W, 180-90 K. LPI-10: 10W, 180-70 K.

Also C-42 resistor: a low-cost, 2W, 70°C. resistor to meet the performance requirements of MIL-R-11B; 130 to 1.4 K.

High-Power

Type R 7 to 115W at 40°C., derate to 235°C.; 10 ohms to 1 megohm. To MIL-R-11804C.

Type S High-temperature to MIL-R-11804C. 1, 2, and 4W at 40°, derate to ½-power at 120°C. Up to 4.2 megohms.

Type WC-5 Water-cooled HF. Can mount direct on coax line and at RF ground potential. 10 to 300 ohms with ± 15% standard; 10%, 5%, and 1% also available. Dissipates up to 5 KW.

Type H High-frequency for dummy antennas, circuit loading, damping, and terminating. 10 ohms to 1 megohm. 5 to 140W.

Type ST for highest wattage-to-volume ratio of any metallic oxide resistor. 2½, 5, and 10 W at 25°C., derating to 350°C. 2% and 5% tolerances.

For more information on any or all of these resistors, write for data sheets. Corning Glass Works, 553 High Street, Bradford, Pa.

CORNING ELECTRONIC COMPONENTS
CORNING GLASS WORKS, BRADFORD, PA.

GLASS CAPACITORS by CORNING

CY Capacitors

Rugged, reliable, extreme miniaturization: MIL-C-11272A: Only complete mechanical destruction will alter their values. Temperature coefficient is plus 140 ± 25 ppm/°C. from −55°C. to +125°C. Absolute retrace. TC variation is less than 15 ppm between units. Capacitance drift is negligible. Values: 1 to 10,000 uuf.

Fusion-sealed type: Glass encapsulation with glass-to-metal leads to protect against severe environments, particularly moisture and vibration.

Medium-Power Transmitting Capacitors

Small, light, strong: Ideal for mobile RF transmitters. Most ratings take less space than mica types. Heavy metal lugs provide minimum contact resistance plus heat dissipation for higher power handling ability.

High-Capacitance Canned Capacitors

Custom-built, compact, potted units for special requirements.

Miniature Wafers

Smallest, high-stability capacitors from any source. With tab or wire leads for printed circuits. 1 to 10,000 uuf.

Trimmer Capacitors

Rotary: Three models for high-frequency tuned circuits. Standard to 12 uufd. Split bushing to 12 uufd. Precision to 4 uufd. Also custom designs.

Direct Traverse: For linear tuning. 0.5 to 3.0 uufd. 1.0 to 7.5 uufd. 1.0 to 8.0 uufd. 1.0 to 12.0 uufd.

Mini-trimmers: For ultra-fine linear tuning. High Q. No backlash. Complete circumference thread contact with direct traverse motion. Four ratings from 1-4 uufd to 1-18 uufd.

For more information and prices, just write to Corning Glass Works, 551 High Street, Bradford, Pa.

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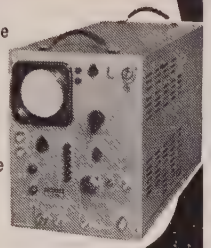
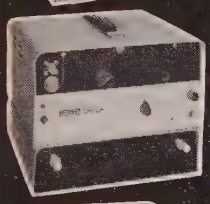
milli-μsec instruments for *every fast rise time application*

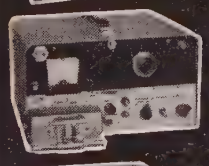


MODEL 112 MILLIMICROSECOND OSCILLOSCOPE
Fastest, most sensitive sampling oscilloscope. Risetime 0.4nsec, sweep rates to 0.05 nsec/cm. Sensitivity 3mv/cm (w. 30:1 SNR at F.S.) Trigger rates to 300mc (optional). High & low impedance inputs.

MODEL 510 DIODE RECOVERY TEST SET
Generates mus diode recovery curves on ordinary oscilloscopes. Includes pulse generator, current supply, diode fixture, sampling converter & delay unit.



MODEL 222 SAMPLING CONVERTER
For viewing mus waveforms on ordinary oscilloscopes. R. T. 0.6ns, sweeps to 0.5ns, rep rates to 300mc. Shown with Model 1201 delay unit.

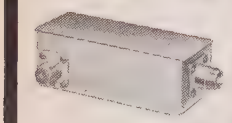


MODEL 503 DIODE RECOVERY TEST SET
Consists of 0.3ns pulse generator, metered current supply, distortion-free diode fixture.

MODEL 303 PULSE GENERATOR
R. T. 0.3ns; fast, variable rep rates, calibrated pulse widths and amplitudes.

ACCESSORIES FOR MODEL 112 & 222.

MODEL 610 HIGH IMPEDANCE PROBE
200K shunted by 2-4 uuf.



MODEL 620 TRIGGER AMPLIFIER
For triggering from fast, low level pulses (less than 20 mv, 1ns)

MODEL 1660
Low capacity circuit probes. 0.6uuf. Up to 5000 Ω.

Write for complete specifications & free millimicrosecond data chart.

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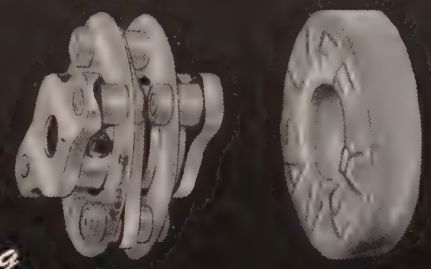
for electromechanical instruments



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You can save space and weight by using Renbrandt Flexible Couplings. They have torsional rigidity, angular and linear flexibility, low inertia and yet are *entirely free of backlash*. The unique disc-type design assures long life at a moderate price. Available for 1/16" through 1/2" shafts in all combinations. Many hub styles including clamp, set screw.

Prompt delivery on prototype or production orders. Send for catalog or send your requirements for quotes.

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Low cost. Thousands of uses for manual controls, tuners, plug-in units, sub-miniaturization, etc. Size 1/2" dia. by 21/32" long. No backlash. Insulating nylon center piece.

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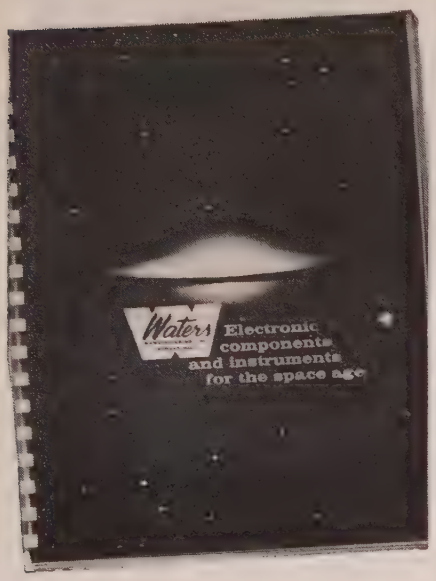

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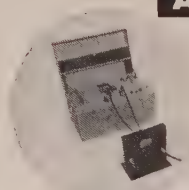
MANUFACTURING, INC.
WAYLAND, MASS.

From the AMCI Catalogue

AUTOMATIC IMPEDANCE PLOTTERS



- *Continuous impedance display with frequency*
- *Available in portable and rack-mounted units*

Type	Frequency Range (mc)	Line Size
12	2.5-250	Type N
11-Q	30-400	Type N
11-PS	180-1100	Type N

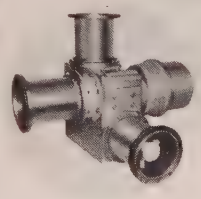
SLOTTED LINES

TYPE 1026-4

- *Residual swr under 1.010*
- *Rated error in detected signal under 1.005*
- *Available with a wide variety of tapered reducers*

Type	Frequency Range (mc)	Impedance (ohms)
1026-13	50-3000	50 or 75
1026-8	75-3000	50 or 75
1026-6	100-3000	50 or 75
1026-4	150-3000	50 or 75
1026-2	300-3000	50 or 75

COAXIAL SWITCHES

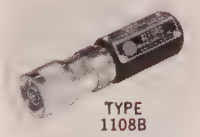


TYPE 1038

- *High power ratings; swr under 1.06*
- *Pressurized*
- *Motor-driven and manually operated models*

Type	Frequency Range (mc)	Line Size
1038	0-450	6⅛"
1136	0-500	3⅛"
Very high peak power models for radar applications		
1038-HV	0-450	6⅛"
1136-HV	0-500	3⅛"

INSTRUMENT LOADS



TYPE 1108B

- *High stability; very low swr*
- *Nearly all transmission line sizes*

Type	Frequency Range (mc)	Line Size	Max SWR
1108B	0-1100	Type N	1.02
2120	0-1000	⅞"	1.03
1112	0-1000	1⅝"	1.03
1110	0-650	3⅛"	1.03

HYBRIDS

TYPE 1104

- *Very broad band*
- *Very low residual unbalance*

Type	Frequency Range (mc)	Max. SWR	Residual Unbalance (db)
1027-K	60-120	1.4	−50
1027-L	120-240	1.4	−50
1027-M	240-480	1.5	−50
1027-N	480-960	1.6	−50
1098	960-1600	1.6	−40
1102	1600-2400	1.5	−40
1104	2400-3600	1.5	−34
1100-K	60-120	1.4	−55
1100-L	120-240	1.4	−55
1100-M	240-480	1.5	−55
1100-N	480-960	1.6	−55
1099-N	800-960	1.2	−50
1099-O	975-1175	1.2	−50
1024	TV Channels 2-13	1.05	−50

OTHER PRODUCTS

TAPERED REDUCERS
LINE STRETCHERS
DIPLEXING FILTERS
VOR ANTENNAS
TV BROADCASTING ANTENNAS — directional and omnidirectional
ADJUSTABLE MATCHING NETWORKS
IMPEDANCE STANDARD LINES

ANTENNA SYSTEMS — COMPONENTS — AIR NAVIGATION AIDS — INSTRUMENTS

AMCI **ALFORD** *Manufacturing Company*
299 ATLANTIC AVE., BOSTON, MASS.

SANDERS MINICUBE® BLOWER

integrates fan and motor in a rugged 1" package!

It's the busiest cubic inch in cooling today! Even if you've designed yourself into a corner but have a cubic inch to spare, it will mount easily into your equipment. Lowering ambient temperature in miniaturized airborne equipment was its original job. Now, it's also eliminating hot spots around klystrons and other electronic tubes and devices . . . preventing fogging of lenses and mirrors . . . and solving other heat problems in a wide variety of military and industrial applications.

It's a reliable performer! Each Sanders MINICUBE® Blower is ruggedly built to withstand acceleration, shock and vibration requirements of military specifications for missile and aircraft applications. So, you can depend on it to do any cooling or ventilating job you assign to it within its scope.

SPECIFICATIONS

Air Flow: 2.2 cu. ft. per minute at 0" H_2O

Input Voltage: 6.3 or 26 volts (adaptable to 115 volts), 400 cps; 5.2 volts, 800 cps; single- or two-phase

Power Consumption: 3½ watts

Temperature Range: −55C to +110C

Life: 500 hours at 110C; longer at lower temperatures

Size: 1" x 1" x 1"

Weight: 1¼ oz.

Want more facts? To get the whole story on conformance to military specifications, flow-pressure ratings, delivery schedules and prices, attach the coupon below to your letterhead and mail it today.

®Sanders Associates, Inc.

SANDERS ASSOCIATES, INC.

NASHUA, NEW HAMPSHIRE

Please send literature, delivery schedule and prices on Sanders MINICUBE® Blowers.

Name_____ Title_____

Firm_____

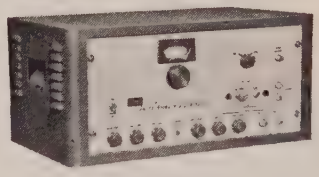
Address_____

City_____ Zone_____ State_____

JERROLD

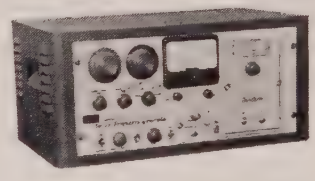
R. F. Test Equipment

Quantitative Measurements Using Sweep Frequency Techniques



Model 900A—THE MOST VERSATILE SWEEP GENERATOR $1,260.00

CENTER FREQUENCY—VHF 0.5 to 400 MC UHF 275 to 1000 MCS—SWEEP WIDTH—up to 400 MCS—FLATNESS—±0.5 db over widest sweep!



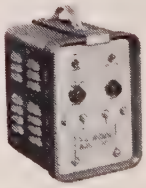
Model 707—ULTRA FLAT SWEEP GENERATOR $795.00

Featuring ±5/100 db flatness—Plug-in osc. heads*; variable sweep rates from 1/min. to 60/sec.; all electronic sweep fundamental frequencies; sweep width min. of 1% to 120% of C.F.

*Heads available within the spectrum 2 to 265 MCS

Models 601/602—PORTABLE GENERAL PURPOSE $295.00

COVERAGE—Model 601—12 to 220 MCS. Model 602—4 to 112 MCS—FLATNESS — ±0.5 db OUTPUT—up to 2.5 V RMS WIDTH-1% to 120% of C.F.



Model FD-30 $250.00

High speed DPDT coaxial switch permitting oscilloscope measurements without calibration—all measurements referenced continuously against standard attenuators.

Model AV-50
Variable Precision Attenuator $150.00

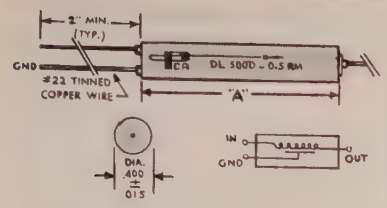
Long life rotary switches; dual wiping silver contacts on "Kel-F" dielectric. 0-62.5 db in ½ db steps; DC to 500 MCS.

Write for catalog and technical Newsletter series on measurements using sweep frequency techniques. Prices and data subject to change without notice.

JERROLD ELECTRONICS CORPORATION
Industrial Products Division Dept. ITE-47
The Jerrold Building, Philadelphia 32, Pa.
Jerrold Electronics (Canada) Ltd., Toronto
Export Representative: Rocke International, N.Y. 16, N.Y.

PCA DELAY LINES

HERMETICALLY SEALED DISTRIBUTED CONSTANT DELAY LINES



FEATURES:

CASE: Brass with protective plating
TERMINALS: Glass end seals
INTERNAL CONSTRUCTION: Impregnated and potted for vibration resistance
TEMPERATURE RANGE: —55°C to +125°C
*DIELECTRIC STRENGTH = 500 V.D.C.

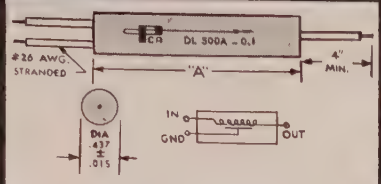
*Across line and line to case

SPECIFICATIONS

IMPEDANCE Ohms ± 10%	DESIGN TYPE	DELAY TIME Microseconds 5% or ±.01 whichever is greater ±	RISE TIME Microseconds MAX.	ATTENUATION % MAX.	LENGTH "A" ± 1/32"
		.1	.04	<10	1⅞
		.2	.045	<10	2½
		.3	.05	10	3⅜
		.4	.055	15	4¼
		.5	.06	15	5⅛
500	D	.6	.065	20	6
		.7	.07	20	6⅞
		.8	.075	20	7¾
		.9	.08	25	8⅝
		1.0	.085	25	9½
		.1	<.02	<10	2½
		.2	.02	10	4⅛
500	R	.3	.025	15	5⅞
		.4	.030	15	7⅝
		.5	.035	20	9⅜
		.1	<.035	<10	1⅝
		.2	.035	<10	2⅜
		.3	.045	10	3⅜
		.4	.05	15	4⅛
		.5	.055	15	5
1000	D	.6	.06	20	5⅞
		.7	.065	20	6¾
		.8	.07	20	7½
		.9	.075	25	8⅜
		1.0	.075	25	9¼
		.1	<.03	<10	1⅞
		.2	.03	<10	3
		.3	.035	10	4⅛
		.4	.04	15	5¼
1000	R	.5	.045	15	6⅜
		.6	.05	20	7⅜
		.7	.055	20	8½
		.8	.055	20	9⅝
		.9	.06	25	10⅞
		1.0	.065	25	11⅞
		.1	<.05	<10	1⅜
		.2	<.05	<10	2
		.3	.05	10	2½
		.4	.055	15	3⅛
1500	D	.5	.06	15	3¾
		.6	.07	20	4¼
		.7	.075	25	4⅞
		.8	.08	25	5⅜
		.9	.08	30	6
		1.0	.085	30	6⅝

Other impedances and delay times available on request.

DISTRIBUTED CONSTANT DELAY LINES



PCA ELECTRONICS Distributed Constant Delay Lines possess many unusual features:

1. Highly miniaturized.
2. Very stable.
3. —55° to + 105°C operating temperature range.
4. Simplified mounting in tube clip.
5. Can be connected in series for greater delays.
6. Low co-efficient of thermal delay.
7. DIELECTRIC STRENGTH:
   500 V.D.C. for 1000A, 1000B and 1500C designs.
   300 V.D.C. for 500A and 500B designs.
8. Can be used as a pulse forming network.

SPECIFICATIONS

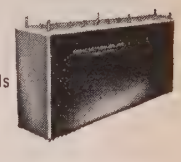
IMPEDANCE Ohms ± 10%	DESIGN TYPE	DELAY TIME Microseconds 5% or ±.01 whichever is greater ±	RISE TIME Microseconds MAX.	ATTENUATION % MAX.	LENGTH "A" ± 1/16"
		.1	.05	<10	1½
		.2	.055	<10	2½
		.3	.06	<10	3½
		.4	.065	10	4⅛
500	A	.5	.07	15	4⅞
		.6	.075	15	5½
		.7	.08	15	6¼
		.8	.085	20	7⅛
		.9	.09	20	7⅞
		1.0	.095	20	8⅝
		.1	.06	<10	1⅛
		.2	.065	<10	1½
		.3	.07	10	2
		.4	.08	15	2⅜
500	B	.5	.09	15	2¾
		.6	.10	20	3 1/16
		.7	.105	20	3⅝
		.8	.11	20	4
		.9	.115	25	4⅜
		1.0	.12	25	4⅞
		.1	<.03	<10	1⅝
		.2	.03	<10	2⅝
		.3	.035	<10	3¾
		.4	.04	10	4¾
1000	A	.5	.045	15	6
		.6	.05	15	7
		.7	.055	15	8
		.8	.055	20	9
		.9	.06	20	10
		1.0	.065	20	11
		.1	.06	<10	1 5/16
		.2	.065	<10	1⅝
		.3	.07	10	2
		.4	.08	15	2⅜
1000	B	.5	.09	15	2⅞
		.6	.10	20	3¼
		.7	.105	20	3 11/16
		.8	.11	20	4 1/16
		.9	.115	25	4½
		1.0	.12	25	4⅞

PCA ELECTRONICS specializes in the design and manufacture of distributed and lumped constant delay lines.

LUMPED CONSTANT DELAY LINES

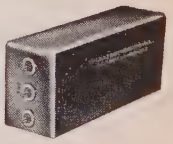
A SELECTION OF TYPICAL LUMPED CONSTANT DELAY LINES

DL 600L — 1000T — 561



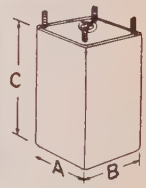
DELAY TIME	1000 microseconds minimum with all sections in series
TAP REQUIREMENTS	will reach value of delay between 0 - 1000 microseconds ± 1 microsecond
RISE TIME	20 microseconds for 1000. microseconds
ATTENUATION	4 db
IMPEDANCE	600 ohms ± 10%
SIZE	5.250 x 2.250 x 12.500"

DL 1000L — 0.9FT — 617



DELAY TIME	0.900 ± .001 microseconds
RISE TIME	.05 microseconds maximum
ATTENUATION	.8 db maximum
IMPEDANCE	1000 ohms
SIZE	1.09 x 1.66 x 3.968"

	Z	Y	X	W	V	U	T	S	R	Q
A	1	1		1⅝	2⅛	1¾	2¾	3	3	2¼
B	1	1 13/32		1⅞	2¼	2¾	3¼	4	4	12½
C	2⅛	2⅞		3¾	5	4½	4½	5½	9½	5¼



PCA STANDARD PARTS LIST

CHARACTERISTIC IMPEDANCE			500 OHMS		1000 OHMS		2000 OHMS	
Delay	Rise Time	Atten	Size Letter	PCA Part No.	Size Letter	PCA Part No.	Size Letter	PCA Part No.
1								
1	.07	1 db	Y	5C1Y				
1	0.1	1 db	Z	5C1Z	Z	10C1Z	Z	20C1Z
2	.07	1 db	W	5C2W				
2	0.13	1 db	Y	5C2Y	Y	10C2Y		
2	0.2	1 db	Z	5C2Z	Z	10C2Z	Z	20C2Z
5	.15	2 db	W	5C5W				
5	.35	1 db	Y	5C5Y	Y	10C5Y	Y	20C5Y
5	.5	4 db	Z	5C5Z	Z	10C5Z	Z	20C5Z

Other impedances and delay times from 10 to 1,000 microseconds are available as standard designs. Other components, designed to your exact specifications, available on order.

Leading Manufacturer of Pulse Transformers and Delay Lines

PCA ELECTRONICS, INC.
16799 SCHOENBORN STREET, SEPULVEDA, CALIFORNIA, EMpire 2-0761

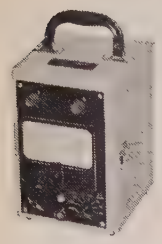
ASSOCIATED RESEARCH INCORPORATED

3788 W. Belmont Avenue • Chicago 18, Illinois

Phone . . COrnelia 7-4040

INSULATION RESISTANCE Testers

Five Million Megohms



VIBROTEST® Megohmmeter Model 201 . . . Ranges on the 4½" meter: 200 megohms, 2000 ohms and 0-50/300/600 v, a-c and d-c. Only . . . $136.50.

VIBROTEST® Megohmmeter

Models for Laboratory, Production and Portable Applications

Direct reading resistance measurements to five million megohms and higher . . . of electronic circuits, cable assemblies, transmission lines, motors, servos, generators, components and insulating materials.

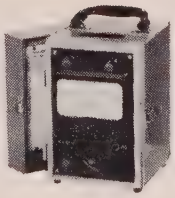
VIBROTEST® megohmmeters have an electronic power supply providing test potentials to 1000 v d-c, thus eliminating the cranking and leveling of older designs.

Push-button operation makes possible high speed production testing of electronic assemblies and components. The welded steel carrying case is finished in baked grey hammertone enamel. The removable cover protecs the controls and indicating meter.

Write for bulletin "VIBROTEST®", detailing the many special megohmmeters available.

PRECISION OHMMETER (½ of 1%)

- **Accuracy of ½% . . . is Four Times Better!**
- **Portable Convenience with Laboratory Accuracy.**
- **Compensates for Lead and Battery Resistance.**



Direct reading resistance meaurements that are four to six times more accurate than with most ohmmeters . . . of leads, coils, other electronic components and circuits, from .05 ohm to 100,000 ohms.

Operates from self-contained batteries. Welded steel case and cover finished in baked grey hammertone enamel. Price, including batteries and leads, only $128.00.

Model 244 . . ranges 0-50/500/5,000/50,000 ohms.
Model 246 . . ranges 0-100/1,000/10,000/100, 000 ohms.

GROUND RESISTANCE Tester

Direct Reading VIBROGROUND®

Measure resistance to ground of electronic, telephone and power equipment, shielding, lightning protection and other installations where performance and safety require an accurate determination of ground resistance.

VIBROGROUND® is direct reading and requires no computations, cranking or leveling. Operates from self-contained power supply. Housed in welded steel case with protecting cover, finished in baked grey hammertone.

Write for bulletin "VIBROGROUND®", including data on instruments measuring earth resistivity and conductance.

PHASE SEQUENCE Indicator

Instant indication of phase rotation in three phase, 60 or 400 cycle circuits. Has no batteries, moving parts or binding posts. Convenient pocket size, only 3"x5"x2", weight is less than one pound. Also available for panel mounting.

Model 40: 120/240/480v, 60c . . only $27.50
Model 44: 120/240/480v, 400c . . only $34.75

Write for Bulletin 7-1.1

INSTRUMENTATION DESIGN Facilities

10-35.11

HIGH VOLTAGE Testers

Assemblies • Cables • Components • Materials
150 KV and up . . . A-C or D-C Test Potentials

Mobile HYPOT®

Insulation breakdown, dielectric strength and leakage current at potentials of 150 kv or more . . . are determined with HYPOT® testers.

Models provide either a-c or d-c testing, in power ratings for every application. They meet applicable ASTM and MIL specifications for testing elements of completed missile systems, airborne and ground radio and radar, as well as components and insulating materials.

Mobile HYPOT® models offer a-c or d-c test potentials of 150 kv and up, in output ratings adequate for testing heaviest power equipment. Readily transportable for convenient use in laboratory, factory and for field testing. Advanced safety features protect equipment and operator.

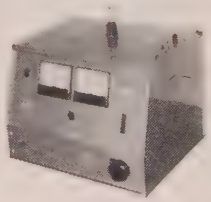
A unique metering circuit in d-c Mobile HYPOTS® eliminates distortion of leakage current indication by corona, surface or phase leakage currents. Write for new bulletin "Mobile HYPOT®"

to 30 KV, A-C or D-C . . . Bench HYPOT®

Over-potential tests to 30 kv with a wide range of power ratings are provided in bench semi-portable HYPOT® models measuring only 21" wide and 16" deep.

These offer many feaures of the larger HYPOT® instruments, such as fast acting circuit breaker to protect equipment, safety voltage interlocks, and continously variable test potential that is directly metered.

Four series of bench type HYPOTS® are available, with maximum output potentials of 30,000, 20,000, 10,000 and 5,000 volts. Models providing a-c or d-c test potentials and wide range of power ratings are included. Special models have high current output for rapid charging of large capacitors and similar applications in production testing. Write for bulletin "Practical HYPOT® Testing" and catalog describing semi-portable HYPOT® models.



Model 424 . . output 0-5000 v d-c, at 100 microamperes, but has short circuit output of 5 milliamperes for rapid charging of capacitors.

to 10 KV, A-C . . . Portable HYPOT® Jr.

Model 412 . . output from 0 to 1500 v a-c. Indicator lights for insulation breakdown and excessive leakage current. Only . . . $137.50.

Test completed electrical and electronic systems for voltage breakdown, as well as assemblies, components and materials.

HYPOT® Jr. a-c test potential is continuously variable with ranges from 0 to 1,500, 2,500, 4,000 and 6,000 v. The sturdy steel case and lid are finished in baked grey hammertone. Output ratings from 50 to 230 va are offered.

Excess leakage current is indicated by a leakage light or by audible means if desired. Insulation breakdown or short-circuit are indicated by breakdown light. These facilities make the HYPOT® Jr. well suited for automatic testing. Write for bulletin "HYPOT® Jr."

SPECIALIZED Instruments

In addition to these general purpose instruments, an unequalled selection of meghommeters (5 million megohms and up) and high voltage breakdown testers (150 kv and up) are offered for specialized applications, as well as:

INSULATION MATERIAL Tester . . measures dielectric strength of insulation samples to ASTM specifications at a-c potentials of 35,000 v or more.

LIQUID INSULATION Tester . . developed for breakdown test of transformer oil, but has been applied to many other tests of insulating fluids. Write for Bulletin 4-60.1.

"THUMPER" CABLE FAULT Locator . . pinpoints to within a few feet, location of defective cable insulation. Bulletin 5-60.1.

INSTRUMENT CURRENT Transformers . . Donut design for metering up to 4500 amperes.

For design of your special instrumentation . . . required in all fields of research and development, or production and maintenance testing . . . our facilities plus twenty-three years of experience, are available. Your inquiry is invited by letter or phone.

NEW!

Engraved Deep-Kut* Perma-Grip Peg Stamps give you fully aligned printing impressions every time!

*VINYLITE Acid-Resistant Stamps.

characters are **locked** into wooden pegs ...can't come off!

Made **only** by Krengel Mfg. Co., Inc., Perma-Grip Peg Stamps with DEEP-KUT dies give you clear, clean, sharp markings **every** time.

Each set of peg stamps contains all the letters in the alphabet plus all the numbers 0 to 9.

1/16	ABC123
3/32	ABC123
1/8	ABC123
5/32	ABC123
3/16	ABC12
1/4	ABC

Complete set of alphabet and figures in any of the 6 sizes shown. $15.95

KRENGEL
MANUFACTURING CO., INC.
227 Fulton St. · New York 7, N. Y.
COrtlandt 7-5712

DO YOU HAVE TO MARK SHORT RUNS of Hard-to-Mark Products Requiring Frequent Copy Changes?

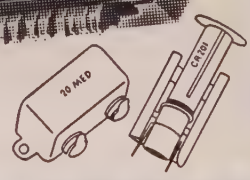
KRENGEL's Bakelite Typeholder with interchangeable engraved Deep-Kut type is the ideal answer wherever sharp permanent markings are required on hard-to-mark products.
Bakelite Typeholders permit speedy interchange of perfectly aligned, engraved Deep-Kut Vinylite letters and numbers. These holders are equipped with a winding adjustment button and slots for type characters and numbers in the sizes and style shown along side. Four different size holders for every use.

1/16	ABC123
3/32	ABC123
1/8	ABC123
5/32	ABC123
3/16	ABC12
1/4	ABC

◀ Complete sets of letters and figures (one of each) available at $5.95 in any one size.

Bakelite holders in 4 sizes from $3.95 to $5.30.

Krengel Engraved Deep-Kut Stamps give you razor-sharp stamping impressions every time! ▶



KRENGEL MANUFACTURING CO., INC.
227 Fulton Street, New York 7, N. Y.
COrtlandt 7-5711

51% *OF ALL ELECTRONIC FIRMS USE KRENGEL ENGRAVED DEEP-KUT® STAMPS

*Based on a survey of the 153 leading, publicly-owned electronics firms. Names of customers available on request.

Razor-sharp, permanent impressions every time on any surface, any shape.

Write for FREE SAMPLE and literature TODAY. Tell us your marking problem.

KRENGEL Manufacturing Co., Inc.
227 Fulton St., New York 7, N. Y.
Please send FREE ENGRAVED Deep-Kut Sample & Price List.

Name_____
Company_____
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City_____ Zone____ State____

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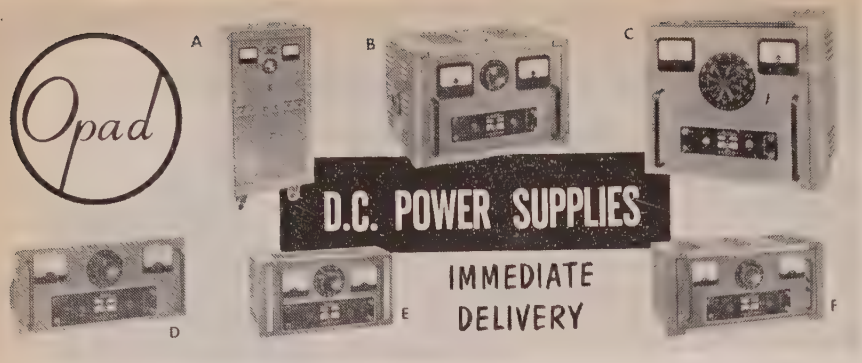


0-32 V.D.C. 100 Mv. Ripple

Input: 115 V.A.C. 60 Cycles, Single Phase

Amps.	Model	Style	H	W	D	Fig.
5	KM75	Rack	8¾"	19"	9½"	D
	KM75B	Bench	9"	17"	9"	E
10	KM81	Rack	8¾"	19"	9½"	D
	KM81B	Bench	9"	17"	9"	E
20	KM87	Rack	8¾"	19"	9½"	D
	KM87B	Bench	10½"	22"	12"	F
40	KM93	Rack	12¼"	19"	13"	—
	KM93B	Bench	14"	22"	15"	B

FEATURES

- Vacuum Varnish Impregnated Magnetic Components.
- 4½" Rectangular 2% Accuracy, D.C. Panel Meters (3½" on small units).
- Controls include power switch, line and load fuses, pilot light, voltage control knob, output binding posts.
- Voltage Regulation: 1/10 Load 35 Volts
  Full Load 32 Volts
- Panel Type Carrying Handles.
- Convection Cooled Continuous Duty Ratings.

Bulletin No. 102A

0-125 V.D.C. 1% Ripple

Input: 115 V.A.C. 60 Cycles, Single Phase

Amps.	Model	Style	H	W	D	Fig.
2.5	RS10	Rack	8¼"	19"	9"	D
	RS10B	Bench	10½"	22"	12"	F
5	RS20	Rack	10½"	19"	13"	D
	RS20B	Bench	12¼"	22"	15"	F
10	RS30	Rack	12¼"	19"	13"	—
	RS30B	Bench	14"	22"	15"	B
20	RS40	Rack	17½"	19"	13"	—
	RS40B	Bench	19¼"	19"	15"	C

FEATURES

- Vacuum Varnish Impregnated Magnetic Components.
- Non-Aging Rectifiers (Germanium or Silicon).
- 4½" Rectangular 2% Accuracy D.C. Panel Meters (3½" on small units).
- Controls include Power Switch, Line and Load Fuses, Pilot Light, Voltage Control Knob and Output Binding Posts.
- Both D.C. Terminals above ground and isolated from A.C. Line.
- Panel Type Carrying Handles.
- Convection Cooled Continuous Duty Ratings.

Bulletin No. 204A

0-32 V.D.C. 4% Ripple

Input: 208 V.A.C. 60 Cycles, 3 Phase

Amps.	Model	Style	H	W	D	Fig.
100	FR100	Floor	46"	22"	18"	A
200	FR200	Floor	46"	22"	24"	A

FEATURES

- Fully Self-Protecting Circuit.
- Pushbutton Operated Magnetic Contactor.
- Indicating Type AC Input Fuses.
- Adjustable Overcurrent Control in D.C. Circuit.
- Thermal Overload Device on Rectifier.
- Overload Warning Light and Reset Button.
- 4½" Rectangular, 2% Accuracy Panel Meters.
- Low Voltage Regulation: Approx. 5-8%.
- Ball Bearing Type Casters.
- Input Receptacle and Mating Plug.
- All receptacles, terminals and controls clearly designated.
- Budget Priced.

Bulletin No. 155

New! TRANSISTOR REGULATED POWER SUPPLIES

4-32 Volts DC		24-32 Volts DC	
AMPS	MODEL	AMPS	MODEL
1½	TR10	5	BR20
4	TR20	10	BR30
10	TR30	20	BR50
15	TR40	30	BR70
Bulletin No. 105		Bulletin No. 107	

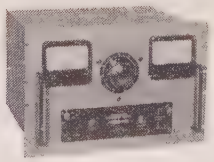
FEATURES

- Regulation ± ½% line & load.
- Input 105-125 V. AC. 60 CPS single phase.
- Zener Diode Reference.
- Ripple less than 5 M.V.
- Vacuum varnish impregnated magnetic components.
- Short Circuit Protection.
- Controls include power switch, fuses, pilot light, voltage control knob and output binding posts.
- 2% Accuracy Panel Meters.
- Both output terminals above ground and isolated from A.C. line
- Panel type carrying handles.
- Continuous duty ratings.
- High efficiency.

GENERAL PURPOSE UNITS

OUTPUT: 0-30 Volts D.C. Unfiltered Full Wave.
INPUT: 115 V.A.C., 60 C.P.S. 1 ϕ.
Model GM72 5 Amperes
Model GM78 10 Amperes
Model GM84 20 Amperes
Model GM90 50 Amperes
FEATURES: 2% accuracy Panel Meters. Line and Load Fuses. Switch. Pilot Light. Binding Posts. Many other standard models available.

Bulletin No. 178A

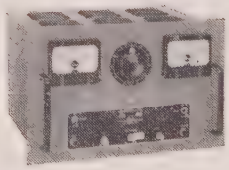


AIRCRAFT BATTERY SUBSTITUTE

Specifically designed to operate rotating equipment

OUTPUT: 0-30 V.D.C., 20 Amperes.
RIPPLE: Less than 1%.
INPUT: 115 V.A.C., 60 C.P.S. 1 ϕ.
REGULATION: 1/10 Load 35 Volts
Full Load 30 Volts
FEATURES: Ammeter overcurrent protection circuit prevents needle 'slam' when starting inverters & motors.
MODEL KM88 ...Rack Mount
MODEL KM88B...Bench

Bulletin No. 100A



DUAL RANGE POWER SUPPLY

OUTPUT: 0-32/64 V.D.C., 40/20 Amps.
RIPPLE: Within 1% of aver. DC.
INPUT: 115 V.A.C., 60 C.P.S. 1 ϕ.
FEATURES: Thermal overload protection, indicating line and load fuses, overload warning light, dual range voltmeter.
MODEL KM95 ...Rack Mount
MODEL KM95B...Bench

Bulletin No. 103

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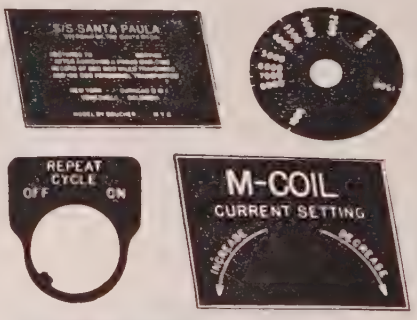

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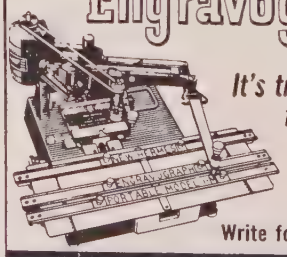

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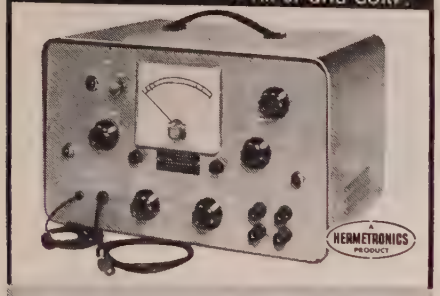
*TM of GHS CORP.



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Non-destructive testing assured through quick acting relay, cuts current from tested components in milliseconds. Provides for continuously variable leakage test, with settings from 20 microamperes to 3 milliamperes. Reduces costs substantially for testing transformers, relays, capacitors and complete assemblies. Rugged, portable.
Voltage Ranges: Variable ranges to 0-5000V avail.
Megohm-Meter Ranges: Up to 4 million megohms at 100 or 200V DC, up to 10 million megohms at 500V DC.
Size: 16¼" wide x 10½" high x 12¼" deep.
Weight: 26 lbs. BULLETIN No. 158

MEGPOT HIGH POTENTIAL TEST SET

Lightweight portable for non-destructive testing. Full scale output with 0.0025 mfd load capacitance.
Voltage Ranges: Variable ranges to 0-5000V avail.
Size: 11¼" wide x 8½" high x 9½" deep.
Weight: 12 lbs. BULLETIN No. 570

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This high altitude timer is typical of the many "problem packages" resolved by the exclusive GHS system of hermetic sealing with Mass Spectrometer Leak Testing. Protects against 7 major causes of product failure. GHS hermetically enclosed units could outlast ordinary similar products by more than 10 to 1! Complete engineering and manufacturing facilities for rapid, economical service in any quantity. BULLETIN No. 426

HERMETICALLY SEALED AND PANEL SEALED TOGGLE SWITCHES

Military approved. Meets applicable requirements of Mil-S-3950.
Electrical Rating: 10 amps at 125V AC or 30V DC.
Endurance: Greater than 10,000 cycles at +85°C.
Dielectric Strength: Over 1000V—60 C.P.S. AC.
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Seal Size: Minimum 1½" I.D.; Maximum over 36" O.D.
Seal Squeeze: .015 inch ±.005
Clamping Force: Approx. 150 p.l.i.
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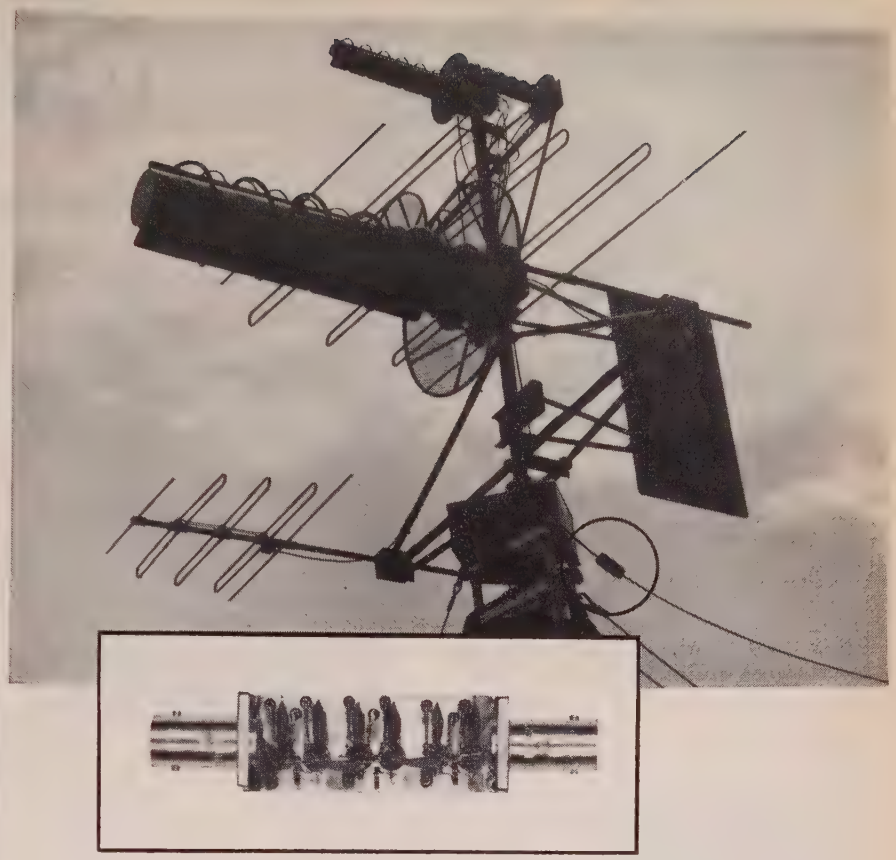

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The 25 kilocycles to 600 megacycles amplifier, no larger than half a cigarette case, covers over fifteen octaves with high gain and high efficiency. It is representative of the outstanding achievements of HRB-SINGER in this field. Reliability, ruggedness and low power consumption make these new amplifiers ideal for applications in airborne receiving equipment, portable receivers and other specialized applications.

This transistorized amplifier is only one of many outstanding amplifier models now available. In addition, HRB-SINGER has the ability and know-how to meet your special requirements, whether for a single amplifier or a complete receiving system. Direct your inquiries to Dept. G-10. A comprehensive series of data sheets describing this capability is yours for the asking.

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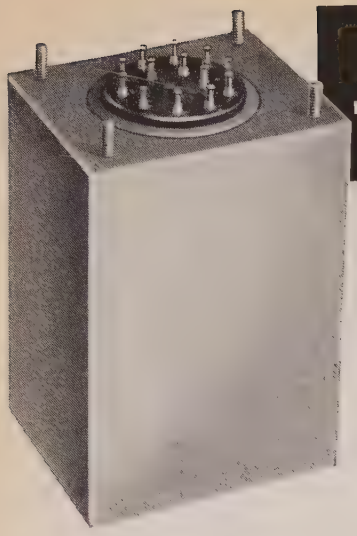

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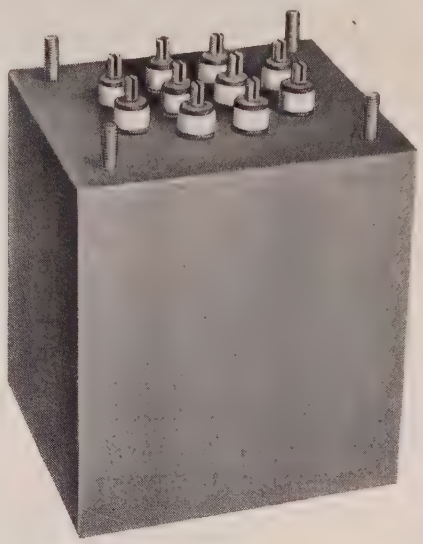

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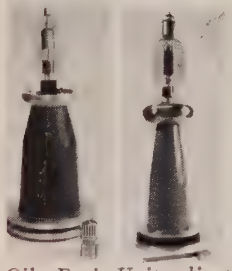

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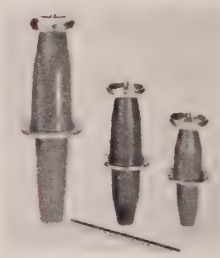

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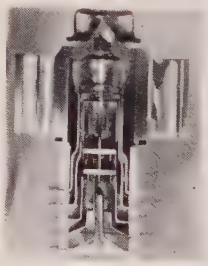

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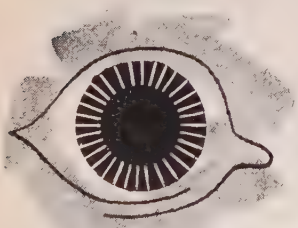

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POWER AMPLIFIERS

MODEL	OUTPUT WATTS	FREQUENCY RANGE	DISTORTION	LOAD (OHMS)	PRICE
DCA-10	10	dc to 1 mc	0.1%	600 or 1000	$425.00
DCA-50	50	dc to 500 kc	0.1%	200 or 300	$685.00
UF-101A	50	20 cps to 20 kc	0.005%	1, 2, 4, 8 or 225	$495.00

OSCILLATORS

MODEL	FREQUENCY RANGE	FREQUENCY ACCURACY	OUTPUT AND WAVEFORM		DISTORTION	PRICE
400-A	.009 cps to 1.1 kc	2%	25 mw/10v	∿⊓⊔	1%	$395.00
400-C	.009 cps to 1.1 kc	2%	100 mw/10v	∿⊓⊔	1%	$415.00
410-A	.02 cps to 20 kc	2%	10 mw/5v	∿⊓⊔	1/10%	$1150.00
420-A	.35 cps to 52 kc	2%	25 mw/10v	∿⊓⊔	1%	$330.00
420-C	.35 cps to 52 kc	2%	100 mw/10v	∿⊓⊔	1%	$360.00
430-AB	4.6 cps to 520 kc	2%	50 mw/10v	∿	1%	$175.00
440-A	.001 cps to 100 kc	1%	100 mw/10v	∿⊓⊔	1/10%	$625.00
440-B	1 cps to 1 kc	1/20%	100 mw/10v	∿	1/10%	$1150.00

FILTERS

MODEL	TYPE	FREQUENCY RANGE	FREQUENCY ACCURACY	NOISE & HUM	PRICE
310-AB *	Band Pass	20 cps to 200 kc	10%	0.5 mv	$325.00
330-A *	Band Pass	.02 cps to 2 kc	5%	0.1 mv	$550.00
330-M *	Band Pass	0.2 cps to 20 kc	5%	0.1 mv	$525.00
340-A	Servo	0.01 to 100 cps	5%	20 mv	$425.00
350-A *	Rejection	.02 cps to 2 kc	5%	0.1 mv	$575.00
360-A *	Rejection	20 cps to 200 kc	10%	5 mv	$350.00

**Slope-24db/octave*

POWER SUPPLIES

MODEL	MAIN DC OUTPUT						OTHER OUTPUTS		PRICE
	VOLTS	MAX MA	DC OHMS	AC OHMS	REGULATION	RIPPLE	BIAS	HEATERS	
UHR-220	0-500	200	0.01	0.1	0.001%	100μv	0-150v, 5ma	6.3v ac, 5a 6.3v ac, 5a	$425.00
UHR-225	140-500	200	0.02	0.1	0.002%	100μv	——	(2) 6.3v ac, 5a	$325.00
UHR-216	160-600	100	0.02	0.1	0.001%	100μv	——	(2) 6.3v ac, 5a	$350.00
UHR-240	0-500	500	0.005	0.05	0.001%	100μv	0-150v, 5ma	(2) 6.3v ac, 10a 5-13v dc, 2.5a	$675.00
UHR-245	140-500	500	0.01	0.05	0.002%	100μv	——	(2) 6.3v ac, 10a	$495.00
UHR-211	130-500	1000	0.01	0.03	0.004%	200μv	——	(2) 6.3v ac, 10a	$850.00
UHR-230R	Dual Power Supply consists of two Models UHR-220 rack mounted								$860.00
UHR-235R	Dual Power Supply consists of two Models UHR-225 rack mounted								$660.00
UHR-236R	Dual Power Supply consists of two Models UHR-216 rack mounted								$710.00

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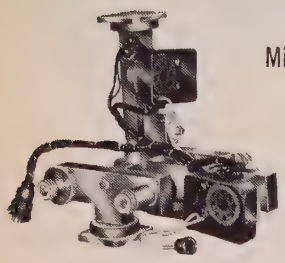

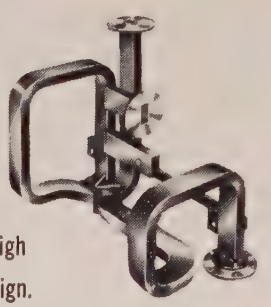

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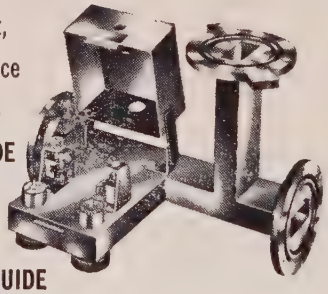

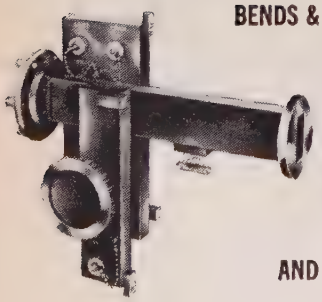

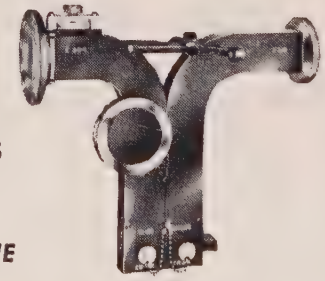

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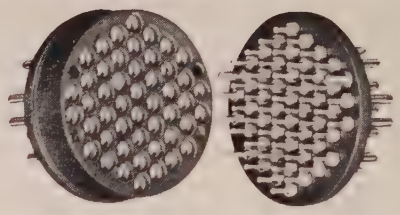

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Conquering the toughest environmental and operational problems is possible with Cole Self-Aligning Electrical Connectors because revolutionary new Cole Contact Pins employ an entirely different two-ball-and-socket principle. Being flexible, not rigid, they always function easily, positively despite possible misalignment due to rough-handling, high-shock or vibration.

Virtually any size, configuration or capacity of Cole Connector, from 15 to 300 amp., with any number of contacts, can be made in small or large quantities. Successfully used on missiles, aircraft, ground support, nuclear, electronic and electrical equipment. Write us outlining your requirements.

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ELECTRIC CO.

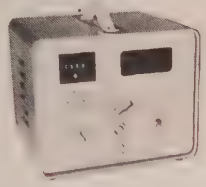
8439 Steller Dr., Culver City, Calif. • TE 0-4701

TSi TRANSISTOR SPECIALTIES, INC.

Sophisticated DIGITAL INSTRUMENTATION

SOLID-STATE COUNTER-TIMERS

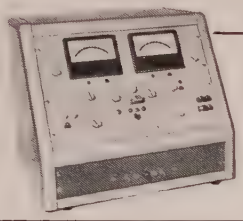
Model 361 APTI-METER



Industrial Counter

Smallest, lightest, most flexible universal counter-timers available. IN-LINE NIXIE READOUT. Models 361 and 361-R measure and generate 0-1 MC, have crystal clock, twin amplifiers, every required facility for measuring Actions-Per-Time-Interval (APTI-METER®) plus straight count, frequency, period, phase, time delay or interval. RPM, Velocity, Flow, Viscosity, etc., are measured with appropriate transducers. Industrial Model provides 0-6KC range, in-line readout on register and nixies.

Model 361-R APTI-METER



Custom-Designed Semi-Automatic Transistor Test Set

SEMI-CONDUCTOR TEST EQUIPMENT

Manual, Automatic, and Semi-Automatic test equipment for diodes and transistors. Furnished with or without compatible loading, sorting, and unloading fixtures. Automatic batch recording, go-no-go limit gaging, statistical sampling accessories available to meet every test requirement.

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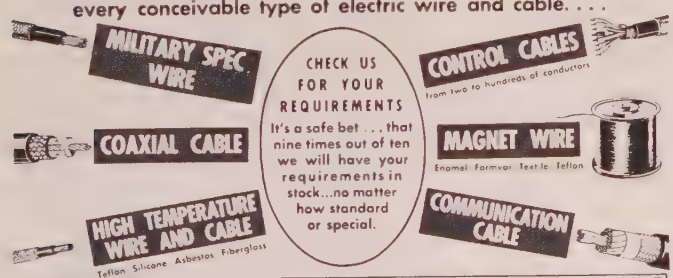
Pulse Generators • Shift Registers • Buffers • Counters Encoders-Decoders • Converters—A to D • Converters —D to A • NRZ-RZ Shapers • Scanners—Multiplexers Semi-Conductor Test Sets (Manual, Semi-Automatic, Automatic) • Production Test Sets • Resistance, Impedance, Voltage Comparators • Production Control Equipment • Automatic Check-Out Systems • Transducers • Transducer Calibrators • Radiation Detection and Measurement Gear • Automatic Inspection Equipment for Continuous-Flow Processes

TRANSISTOR SPECIALTIES, INC. Terminal Drive, Long Island, New York
Competent Engineering Representatives Everywhere

COLEMAN

World's Largest "In Stock" Organization for nearly every conceivable type of electric wire and cable. . . .

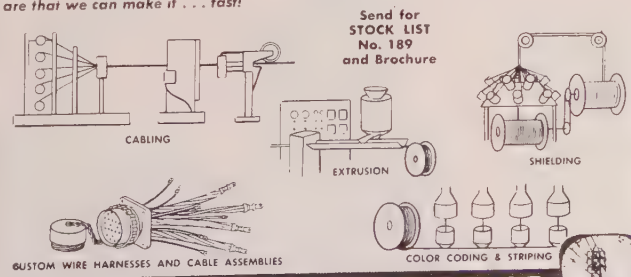


IMPORTANT ANNOUNCEMENT!

Coleman now has manufacturing facilities to supply custom-made wires and cables.

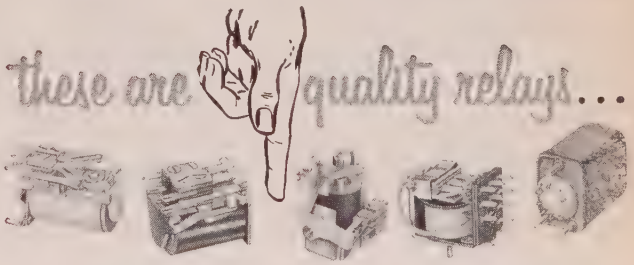
We welcome your inquiry . . . kindly send us your list of requirements for quotation . . . we can save you time and money. And if we do not have what you need in stock, chances are that we can make it . . . fast!

Send for STOCK LIST No. 189 and Brochure

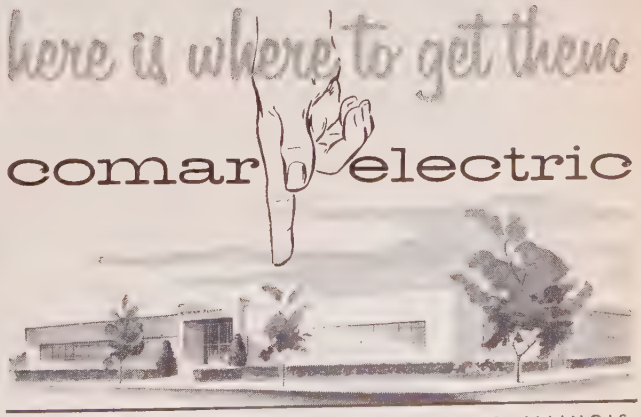


COLEMAN CABLE AND WIRE CO.

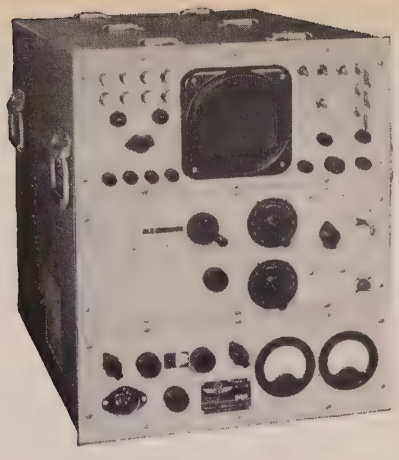
1892 N. River Rd., River Grove, Ill.
Telephone (Chicago) NAtional 5-6215



We put a lot of quality in our relays. We start with skilled design and quality materials. Then we add precision workmanship, modern production techniques and rigid inspection. The resulting relays are top quality units, outstanding in performance, dependable in operation. This extra quality you get from Comar costs no more, but it does pay big dividends. Next time you need quality relays—



3349 ADDISON STREET • CHICAGO 18, ILLINOIS
RELAYS • SOLENOIDS • COILS • SWITCHES • HERMETIC SEALING



Model PCS-1A

PULSE POWER CALIBRATOR

Model PCS-1A is a precision instrument for the direct measurement of radio frequency peak pulse power with greater accuracy than heretofore achieved by other than calorimetric means. The functions are independent of duty ratio.

The display, essentially a notch-watt-meter, is free from parallax. This equipment provides laboratory performance with simplicity adaptable to the production line.

Similar equipment for other frequencies under development.

Frequency Range: 925 mcs to 1225 mcs
Power Level Range: −10 dbm to +63 dbm
Accuracy: 0.5 db

General Communication Company

RESEARCH DEVELOPMENT ENGINEERING MANUFACTURING

creative electronics

Other Typical Products...

RADAR BEACONS

"S" Band Beacon — Model RCX

Radar Beacon RCX is a miniature S-band transponder equipment for use in tracking missiles, drones and other types of aircraft. It has excellent selectivity and sensitivity characteristics and can be used as a transmission medium for telemetering information from auxiliary systems. Many new and unique features make it a reliable and versatile equipment, keeping pace with the current progress in the guided missile field.

MICROWAVE COMPONENTS

The General Communication Company makes a very complete line of high quality coaxial switches (manual, motorized and relay operated) that meet a variety of applications, including transmit/receive selection of antennas, and other features required in the field of guided missiles.

MICROWAVE TEST EQUIPMENT

Test Set BDS is a portable equipment combining the features of a signal generator, power meter and frequency meter. Its design assures ease and versatility in testing radar and beacon equipments in the 8500-mc to 9600-mc frequency range.

G.C.C. Invites inquiries on its products and R & D services.

Cut your Costs on more metal parts from 3 MODERN SEXTON PLANTS!

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SEXTON PLANTS in Everett, Mass.; Martinsburg, W. Va.; and Oshkosh, Wisc., will provide you with fast, low freight rate service on orders of every size

SEXTON ENGINEERS will work with you to create economical, effective solutions to all your metal parts problems.

SEXTON TOOL AND DIE MAKERS utilizing new equipment and our extensive tool bank will produce your product quickly, accurately, competitively.

SEXTON PRODUCTS used by leading manufacturers include fabricated and welded steel containers of all shapes and sizes and a full line of specialized stampings. Sexton is the nation's only supplier of the complete range of CP-70 type seamless drawn containers and a full line of ballast, air conditioning and MIL C25/7C specification capacitor cases.

WRITE FOR FREE SEXTON STORY–

An illustrated guide to design and production savings from Sexton!

SEXTON CAN COMPANY INC.
SPECIAL PRODUCTS DIVISION
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also Martinsburg, West Virginia and Oshkosh, Wisconsin

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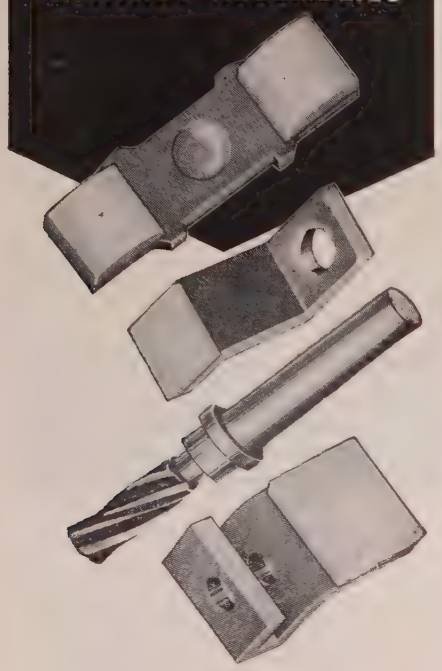
Gibson

FIRST

FOR SPECIALIZED SKILL IN MAKING CONTACT ASSEMBLIES



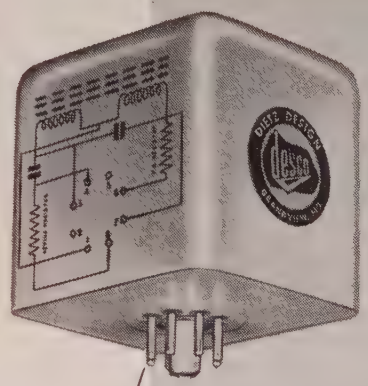
- **EXPERIENCE** Gibson engineering knowhow in developing economical contact assemblies for your product is unsurpassed.
- **COMPLETE SERVICE** Gibson offers a complete line of contact materials, forms and assemblies to fill requirements of your product.
- **FLEXIBILITY** Gibson's versatility in adapting the right Gibsiloys or other contacts to your product—coupled with round-the-clock production—enables us to give you what you want . . . on time. Our one field is electrical contacts. Consult Gibson first about contacts.

Write for GIBSON Catalog C-520
Contact Gibson First

Gibsiloy
ELECTRICAL CONTACTS
Manufactured by
GIBSON ELECTRIC COMPANY
Box 535, Delmont, Pa.

DIETZ

for reliability in



FILTERS

DIETZ LC FILTERS—cover frequencies from the low megacycle range.

- **Telemetering Band Pass**
- **Single Side Band**
- **Discriminator Low Pass**
- **High Pass**

Stock filters or custom built to meet exacting requirements of

- **Temperature Compensation**
- **Matched Phase**
- **Impedance Characteristics**

Employing high "Q" toroids and stabilized capacitors.

TRANSFORMERS

Dietz Commercial and Military grades

- **Power Transformers**
- **Chokes**
- **Audio Transformers**
- **Reactors**

Stock transformers or custom built — using best commercial and military materials and procedures.

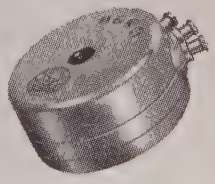
Facilities for environmental testing.

TOROIDS

All types — standard or special designs.

- **Uncased**
- **Metal Cased**
- **Plastic Cased**

Complete range of sizes and temperature coefficient characteristics. High Q values.



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and Manufacturing Company
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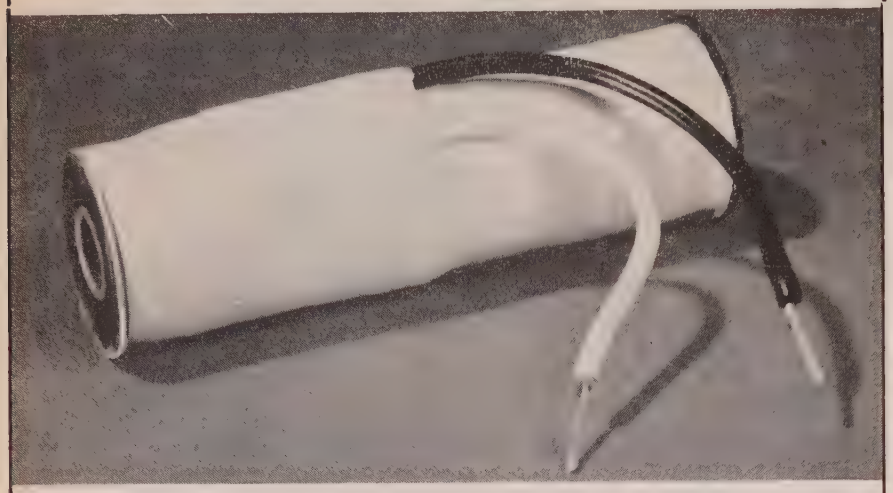
Dietz also manufactures—

- Mag-Amp Coils
- Saturable Reactors
- Magnetic Amplifiers
- Tuned Circuits
- Delay Lines

Write for Latest Catalog — Quotations Answered Promptly

Electrical Coil Windings

.....WIRE SIZES #6 TO #56



For 43 years . . . specializing in all types of coils to customers' specifications. Design or engineering assistance available on request.

COTO-COIL CO., INC.

SINCE 1917

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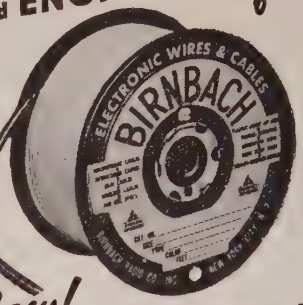
PREFERRED by TECHNICIANS and ENGINEERS



New! TEFLON HIGH TEMPERATURE

HOOK-UP WIRE • CABLE

TUBING & SLEEVING

MORE COLORS • MORE SIZES

THE "IN-STOCK" LINE

JAN-C-76, MIL-W-76A, MIL-W-16878B, MIL-W-5086, MIL-C-7078, MIL-W-12349, MIL-I-631C, MIL-I-3190, JAN-T-713.

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WIRE • CABLE • JACKS and PLUGS

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PROTECT YOUR PRODUCT

at point of strain

Protect product saleability too — by insuring long life for cords, cables and conductors. Genuine "GRIPMASTER" Strain Reliefs provide these vital features —

★ Anchor cords to housing

★ Eliminate taping or threading

★ Prevent unraveling

★ Prevent cord pull damage

★ All sizes and styles

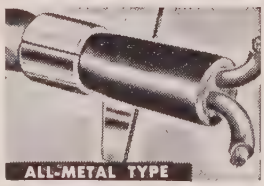
★ Easy to apply

★ Inexpensive

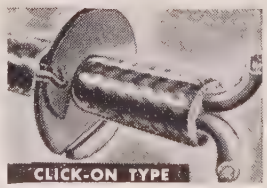
Gripmaster Strain Reliefs are "tremendous trifles" that make good products better!

Ask for samples.

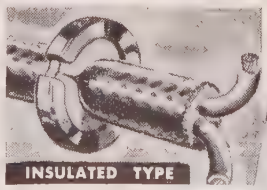
4 WAYS TO END ALL CORD AND CABLE SERVICE FAILURES *Economically*



ALL-METAL TYPE



CLICK-ON TYPE



INSULATED TYPE

GRIPMASTER STRAIN RELIEFS

Interruptions due to cable and cord connection failures are eliminated because they anchor the cord to the product at the point of strain. GRIPMASTER Strain Reliefs can withstand pulls up to 100 lbs., and are acceptable to Underwriters Laboratories. All types Reg. U. S. Pat. Off.

WIRE BINDING SLEEVES—Preventing fraying of cord ends, these specially-treated rubber tubes are available in five sizes to fit wires to .790

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GEORGE WALKER COMPANY

STRAIN RELIEF SPECIALISTS

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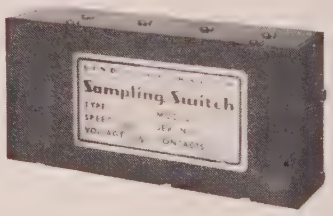
TELEMETERING COMMUTATORS



New *Helicom* gives longer life and higher reliability. Exclusive helical design provides separate wear surfaces for each commutated channel. Magnetic trigger provides clean edge triggering indefinitely.

★ Long life
★ Contact resistance 0.3 ohms
★ Samples 0-5 millivolts or 0-5 volts
★ 2 pole 60, 1 pole 30 unit has 8.6 cu. in. volume, 351 gram weight.
★ Power consumption to ½ watt or 2 watts.
★ Magnetic timing row generates 3.5 volt sine wave.
★ Withstands 36 to 2500 cps @ 25g's vibration, 100g's acceleration
★ Electronic speed regulator
★ Noise levels to 25 uv and 150 uv.

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LIND INSTRUMENTS, INC.

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FLEXIBLE ELECTRICAL INSULATION

Natvar flexible electrical insulating materials have excellent physical and electrical properties, and meet ASTM, NEMA, and other applicable industry and military standards with ease. For high uniformity and consistent performance, specify Natvar.

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VARNISHED CAMBRIC AND VC TAPE
Straight cut and seamless bias; yellow, black

VARNISHED CAMBRIC CABLE TAPE
Straight cut; accurately slit for machine taping

VARNISHED SILK, THIN RAYON, AND THIN VC
High dielectric with minimum weight and bulk

VARNISHED CANVAS AND DUCK
High strength fabrics up to 45 mils. thick

VARNISHED PAPERS
Condenser type tissues and kraft stock

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VARNISHED FIBERGLAS
Class B (130°C); straight cut or bias strips

TERAGLAS°
Resilient base fabric with Dacron warp and Fiberglas filler yarns, coated with varnish developed for high dielectric under stretch; Class B (130°C)

ISOGLAS®
Fiberglas fabric coated with isocyanate type resin. For operating temperatures up to 155°C. Resists crazing, abrasion, oils, most solvents.

ISOLASTANE®
Seamless bias Fiberglas fabric coated with elastomeric isocyanate type resin with same properties as Isoglas (above). Excellent for taping irregular surfaces; maintains wrapping tension.

SILICONE VARNISHED FIBERGLAS
Class H (180°C). High resistance to both heat and moisture.

SILICONE RUBBER COATED FIBERGLAS
Class H (180°C). Will withstand 250°C for short periods. Flexible at temperatures as low as -60°C.

COATED SLEEVING

VINYL COATED FIBERGLAS
Class B (130°C). Meets requirements of Specs such as NEMA-VS1, ASTM D-372 and MIL-I-3190B

ISOLASTANE® COATED FIBERGLAS
Tough and abrasion resistant; flexible over a wide temperature range up to 155°C.

SILICONE RUBBER COATED FIBERGLAS
Class H (180°C). Flexible at low temperatures. Meets requirements of Specs ASTM D-372 and MIL-I-18057

EXTRUDED TUBING, TAPE AND FILM

POLYVINYL TUBING AND TAPE
Tough and resistant to abrasion, oils, acids, alkalis and most chemicals over a wide temperature range. Available in several formulations: 241 and 261, general purpose; 361 and 362, low temperature; 400 and 461, high temperature. These and other special purpose types to meet various Mil Specs.

POLYETHYLENE TUBING AND TAPE
Extremely high dielectric strength, light, and highly resistant to chemicals and moisture.

STYROFLEX® FILM
Biaxially oriented, and completely flexible. For high frequency uses such as capacitors. Stable, with extremely low dielectric absorption values. Thicknesses from .00033" to .006"

SPECIAL PRODUCTS
Natvar products listed above are standard. Others available on special order to meet your requirements.

*J-M Trademark †OCF Trademark
**DuPont Trademark °Trademark applied for.

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What's YOUR Portable Power Problem?

BURGESS has more than 5000 battery types to choose from

ZINC-CARBON NICKEL-CADMIUM
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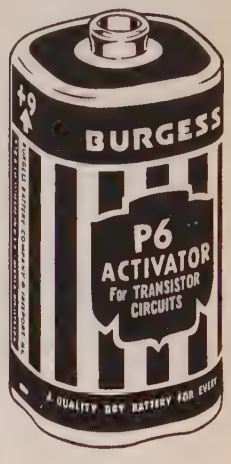
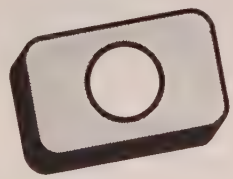
Each with the highest measure of uniform dependability! These are why 2 of 3 electronic engineers specify

BURGESS BATTERIES



BURGESS
IS THE MOST COMPLETE ONE-SOURCE LINE OF *Portable Power!*



EXCLUSIVE WAFER CELL CONSTRUCTION
. . . offers compactness, long shelf life, exceptional service life. A 30% increase in battery life at no increase in size.

TRANSISTOR ACTIVATORS

Burgess Activator Batteries for transistor circuits are smaller and more compact in size! Yet they deliver 30% more power because of the patented "Wafer-Cell" construction! Burgess Activators give you compact power, uniform performance, longer shelf life . . . all combined with modern packaging.

RESERVE BATTERIES

High energy output in a compact power source. Can be stored dry for years! Activated only when immersed in water. No handling of dangerous electrolyte, no spilling or leaking! Wide range of efficient operating temperatures. Designed for your specific applications.

MERCURY ACTIVATORS

Burgess constructional features provide *uniform quality* and *dependable service!* Burgess *exclusive* patents offer sealed-in-steel protection, wide temperature range efficiency, controlled venting, patented inner cell connector, and flat discharge curve.

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A secondary rechargeable battery system which delivers high energy output from a small package! Hermetically sealed-in-steel cells eliminate annoying maintenance and addition of liquids. Can be recharged many times, by trickle or quick charge, for long lasting economical power!

Check with your Burgess Distributor for complete local stocks of fresh BURGESS BATTERIES! Or your distributor can order from Burgess the special battery needed for your specific application!

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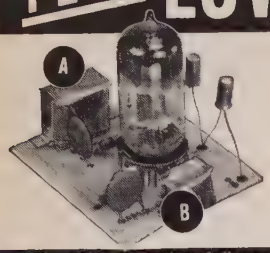
Division of Servel, Inc.
FREEPORT, ILLINOIS NIAGARA FALLS, CANADA

MINIATURIZATION PLUS LOWER COST



Thin Versatile Co-Netic and Netic Magnetic Shielding Foils

Permit positioning foil-wrapped components A & B closely, minimizing interaction due to magnetic fields . . . making possible compact and less costly systems.

How thin Co-Netic and Netic foils lower your magnetic shielding costs:
1) Weight reduction. Less shielding material is used because foils (a) are only .004″ thick and (b) cut and contour easily.
2) Odd shaped and hard-to-get-at components are readily shielded, saving valuable time, minimizing tooling costs.

These foils are non-shock sensitive, non-retentive, require no periodic annealing. When grounded, they effectively shield electrostatic and magnetic fields over a wide range of intensities. Both foils available from stock in any desired length in various widths.

Co-Netic and Netic foils are successfully solving many types of electronic circuitry magnetic shielding problems for commercial, military and laboratory applications. These foils can be your short cut in solving magnetic problems.

Cuts readily to any shape with ordinary scissors.

Wraps easily.

Inserts readily to convert existing non-shielding enclosures.

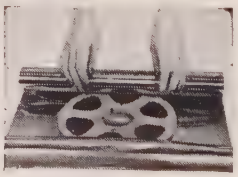
Shielding cables reduces magnetic radiation or pickup.

Wrapping tubes prevents outside magnetic interference.

PROTECT VITAL MAGNETIC TAPES

When accidentally exposed to unpredictable magnetic fields, presto!—your valuable data is combined with confusing signals or even erased.

For complete, distortion-free protection of valuable magnetic tapes during transportation or storage. Single or multiple reel Rigid Netic Enclosures available in many convenient sizes and shapes.


Thin pliable foil wraps easily around magnetic tape, maintaining original recorded fidelity.

Rigid Netic (.014″ and up in thickness) Shielded Rooms and Enclosures for safe, distortion-free storage of large quantities of recorded magnetic tapes.

Composite photo to demonstrating that magnetic shielding qualities of Rigid Netic Alloy Material are not significantly affected by vibration, shock (including dropping or bumping) etc. Netic is non-retentive, requires no periodic annealing.

Write for further details today.

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ORIGINATORS OF PERMANENTLY EFFECTIVE NETIC CO-NETIC MAGNETIC SHIELDING

A·S

Antenna Systems, Inc., is devoted exclusively to the design, fabrication and installation of antenna systems in the fields of scatter communications, missile tracking, space tracking, radar and surveillance, radio astronomy, and special antenna products.

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SUB-MINIATURE SWITCHES

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5 AMP performance in miniaturized space

- **5 AMPS @ 115 VAC** carries a 100% overload
- **MICRO-MINIATURE** — SPDT size ½″ x ⅜″ x ¼″
- **SOLID SILVER** contacts, terminals, moving parts
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20,000 ohms per V.
MULTI-TESTER

- High sensitivity — 20,000 ohms per volt
- Modern design — Wide scale arc
- Compares with 4½″ meters — size 3¼″ wide x 4½″ x 1 1/16″.

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SCALES for: DC voltages and current; AC voltages; and ohms!
RANGES up to 1000 VAC, 2500 VDC 250 DC ma; 6 megohms!

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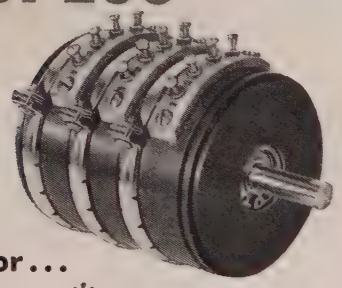

for...

* sine-cosine
* secant
* square law
* empirical functions

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Typical Sine-Cosine Characteristics

size	2 inches
resistance range	200 ohms to 70K per quadrant
conformity	0.25% peak to peak
temperature range	—55° to +85° C.
noise	less than 100 ohms
starting torque	0.6 oz. in. max.
running torque	0.35 oz. in.
life	1,000,000 rev.

When the job calls for custom performance **plus** prompt availability, it will pay you to contact Micro-Lectric. Write today for complete data in Bulletin 550-1.

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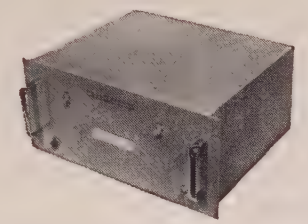
components demonstrating exceptional performance characteristics

broadband amplifiers • low noise amplifiers
tunable amplifiers • bandpass filters
multicouplers • multiplexers • converters
coaxial attenuators • terminations
impedance matching transformers

Broadband RF Amplifiers

40-1500 mcps

Model HFW Amplifiers cover an octave of frequency. Their truly exceptional performance features low noise, high gain with low power drain.



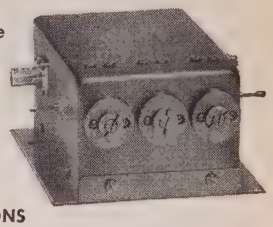
SPECIFICATIONS (condensed)

Freq range	40-1500 mcps
Z in/out	50 or 75 ohms
Noise figure	5-11 db
Gain	10-30 db or greater if desired

Bandpass Filters

30-2000 mcps

Model HFF and HFF-T Bandpass Filters are rugged, reversible in operation, remarkable in performance (which approximates theoretical expectations). Advanced filter designs are also available for antenna couplers and diplexers.



SPECIFICATIONS (condensed)

	HFF	HFF-T
F_o, mcps	30-1000	200-2000
Bandwidth	5-25% F_o	1-15% F_o
Insertion loss	≦1 db	≦1 db
VSWR	≦1.2 in passband	

Attenuators and Terminations

DC-2000 mcps

Impedances of 52.5 and 75 ohms
VSWR 1.2 maximum
Nominal attenuation from 1 to 20 db
BNC, TNC, or N connectors

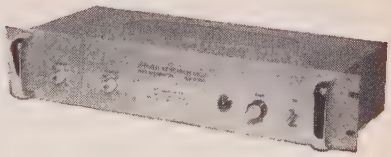
Impedance Transformers

DC to 1000 mcps
VSWR 1.2 maximum
Minimum loss
Matching any pair of 50, 75, 93 ohms
BNC connectors

Low Noise RF Amplifiers

30-300 mcps

Model UH-2(A)SP Amplifiers offer broadband response, high gain, and low noise figure, with additional advantages of simplicity, high reliability, ruggedness, small size and low weight.



SPECIFICATIONS (condensed)

Freq. range	F_o preset between 30 and 300 mcps
Gain	Greater than 20 db
Bandwidth	Up to 10% of F_o
Noise Figure	<1 db at 30 mcps to <3 db at 300 mcps

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Applied Research inc.

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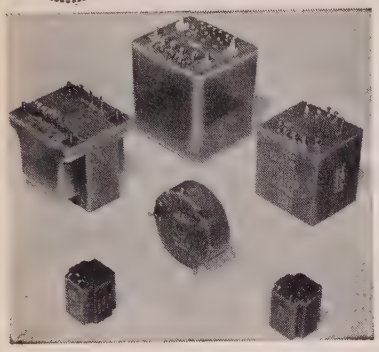

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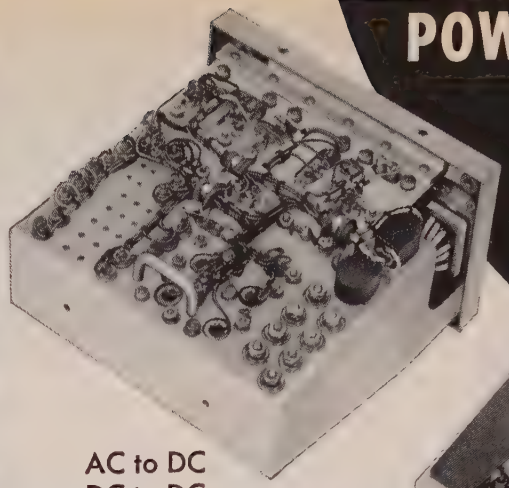

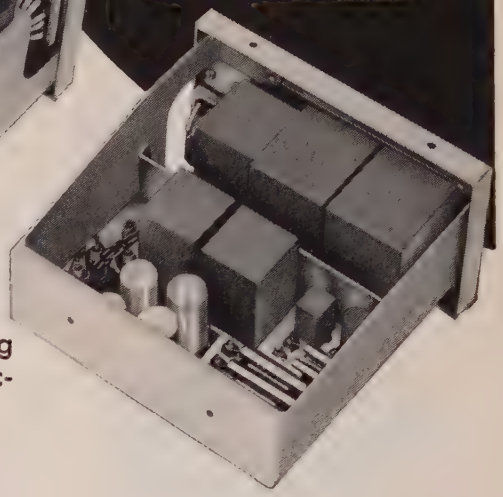

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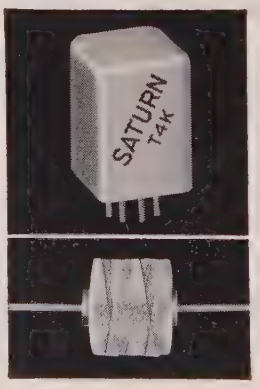

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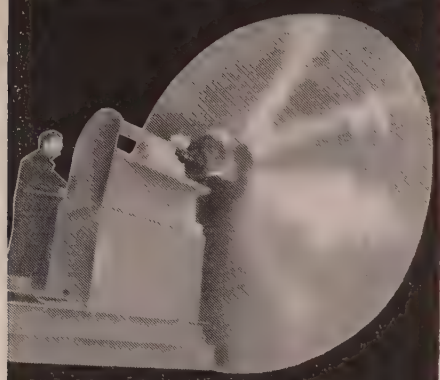

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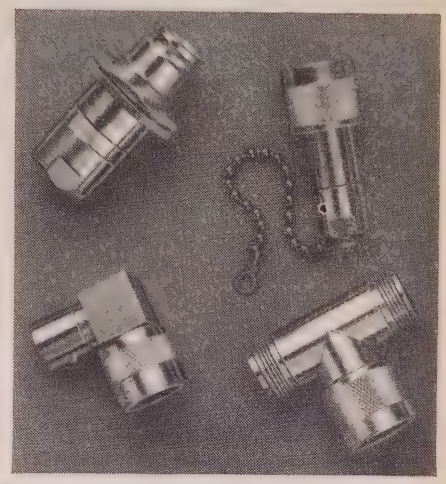
GREMAR GUARANTEES 100% RELIABLE RF CONNECTORS

with absolute conformance to standard or special specs



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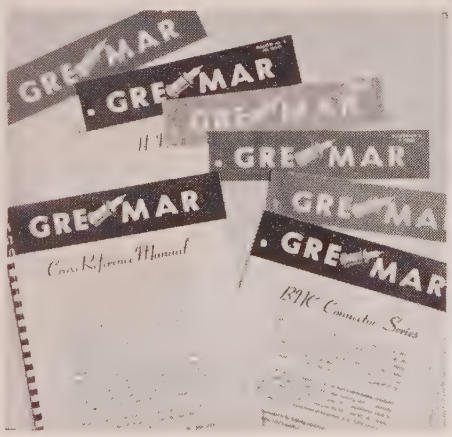
Why . . . because Gremar Connectronics not only guarantees reliability and conformance to your specs, but *delivers on time,* too! By stocking America's most complete line of RF connectors and fittings . . . by maintaining a shelf stock of more than 500,000 assembled units, of over 2,000 types, and 4,000,000 component parts ready for assembly.



Gremar invites you to evaluate its superior RF stock connectors and its unique ability to engineer units to your special needs. For literature on all series . . . BN, BNC, TNC, C, SC, N, QDL, QDS, SM, HN, LC, LT, or PULSE, plus our 48 page comprehensive Cross-Reference Manual covering major RF connector manufacturers and users, just write us.

NEW MINIATURE SCREW-TYPE CONNECTOR SERIES . . . A miniaturized adaptation of the Gremar TNC series, these connectors are designed for use with the new MIL-type subminiature cables. In addition to the TNC features, a new patented metal-to-metal cable clamping method eliminates the necessity of combing out the cable braid . . . saves up to 80% of cable assembly time. For more information, send for Bulletin 9.

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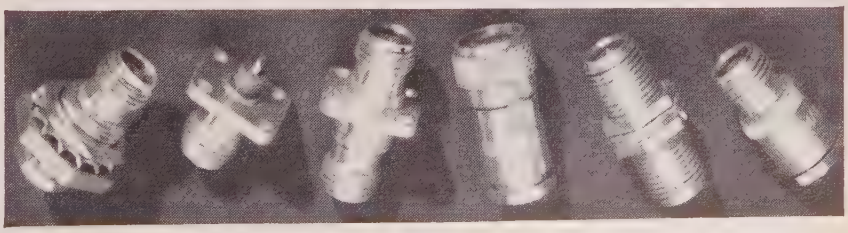

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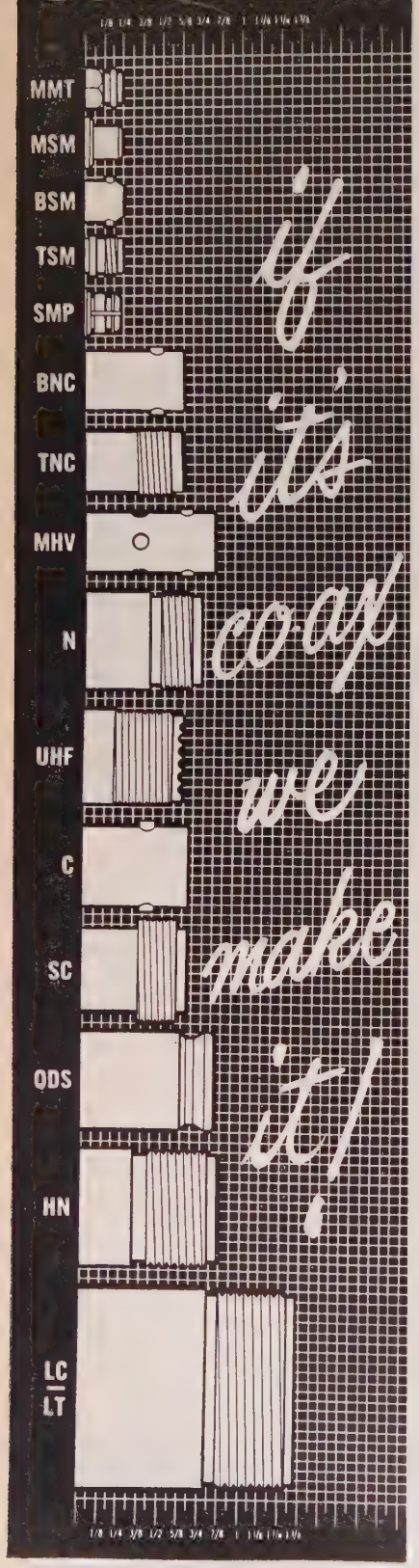
Connectors



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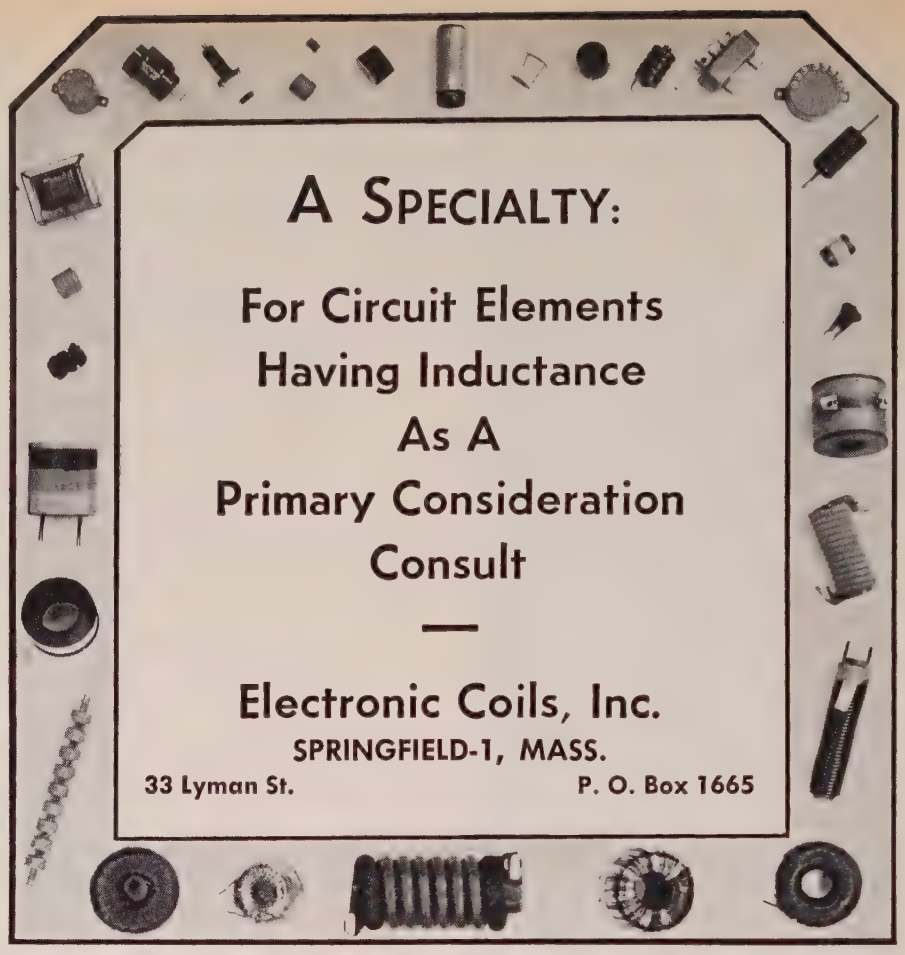

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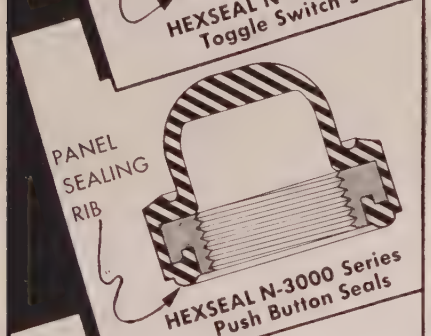

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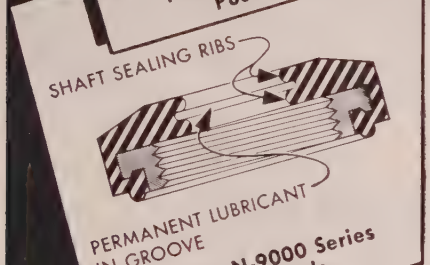

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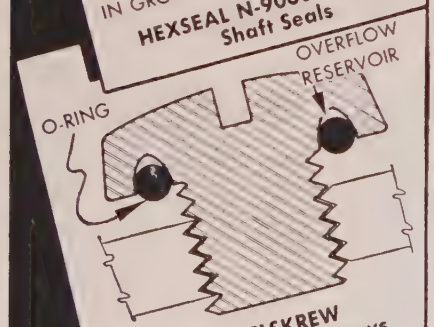

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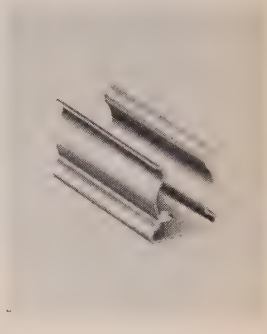
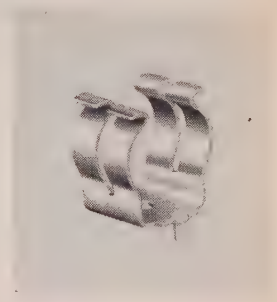
Independent lab tests prove it: no shifting of the held component, no development of resonant frequencies, no loss of grip due to temperature cycling or repeated insertion and withdrawal — and the withdrawal force *increased* during test. Under dynamic stress, these holders actually mold themselves tighter to the component. Wide range of standard sizes and finishes; special sizes quickly produced on order.



atlee transistor clips give more cooling and security at less cost.

Tests prove a maximum case rise of only 25°C at 100°C ambient under full load, for a widely used type. Unique design causes the clip to mold itself tighter to the transistor under shock and vibration. Holding clips, heat sinks and heat dissipators are available for all sizes and types of transistors. Can be provided coated with high-dielectric film for 500v dc insulation coupled with high thermal conductivity.



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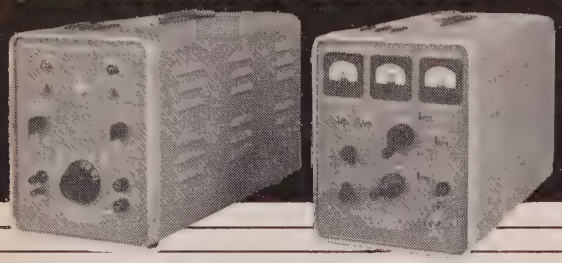

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This versatile high-level signal source for measurement, testing and calibration provides minimum 25 watts in low band, minimum 10 watts in high band covering the frequency range of 200 to 2500 mc. Consists of two units, a tunable cavity (40 lbs.) and a power supply with internal modulation (65 lbs.) allowing more convenient use in the field. Rugged construction, ease of operation and smoothness in tuning assures maximum performance over long periods of use. Excellent in antenna radiation pattern, wave filter, noise and interference measurement applications plus general purpose R-F production testing.

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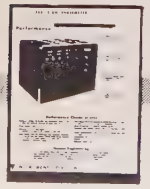

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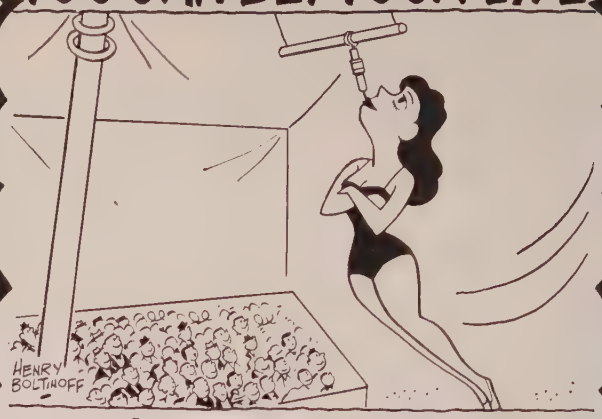

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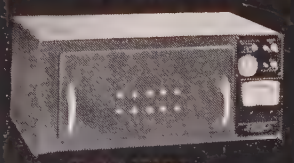
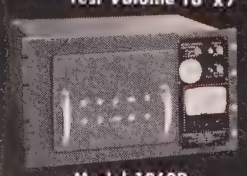


Model 1060W
Test Volume 16"x7"x7"



Model 1060R,
Rack Mounted
Test Volume 10"x7"x7"

Temperature Control ±½° F From -100°F to +500°F

ACCURATE TEMPERATURE CONTROL, without overshoot and without drift

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SAVES TIME by bringing the environment to the engineer instead of scheduling time in large, slow chambers.

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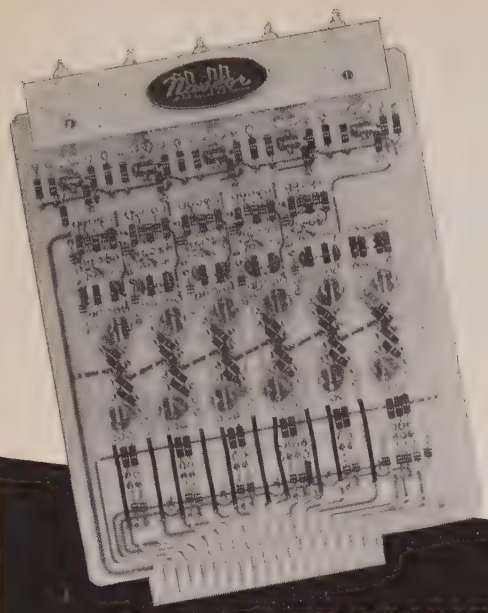

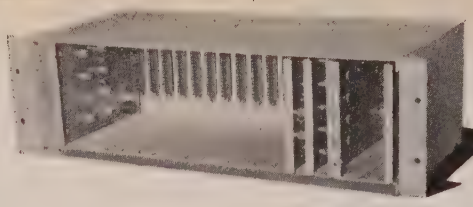

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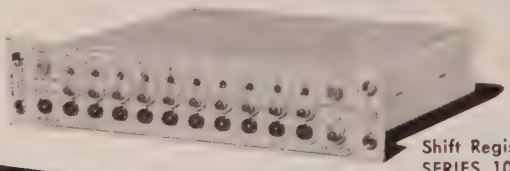
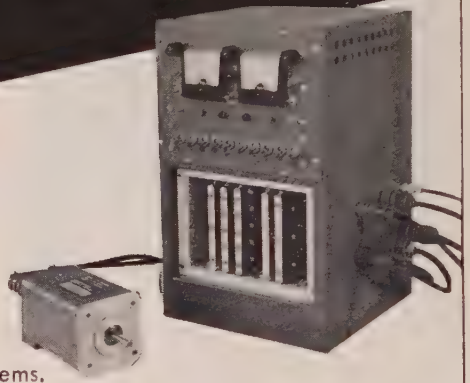


Shift Register Decade Unit SERIES 100

TRANSISTORIZED DIGITAL SYSTEMS BLOCKS



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Send for complete data and specifications on either the 100 Series or 300 Series systems blocks.

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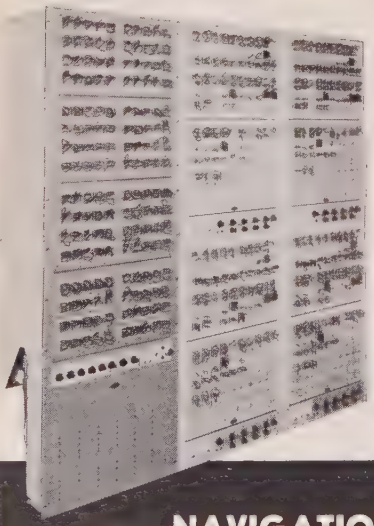

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Time proven 100 Series modules have been used extensively for bench top test equipment and for rapidly building system prototypes. Complete 10 stage BINARY COUNTERS, SHIFT REGISTERS, etc., are attractively packaged in 2¼" x 10½" slide-in units, which assemble into portable cabinets or relay rack housing.

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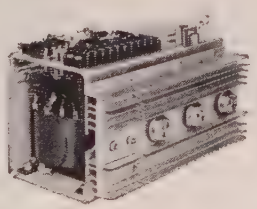
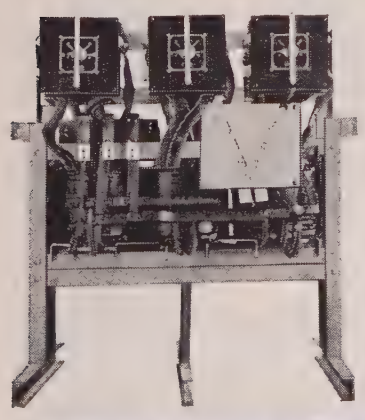


A typical production design incorporating transistorized panel, transformer, saturable reactor, rectifier and components into a compact dependable power supply.



Magnet power supply module designed for an Alternating Gradient Synchrotron research project. Output power rating 175 KW dc. Also available in ratings to 1000 KW dc.

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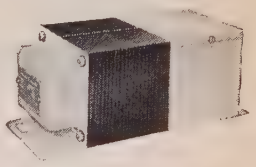

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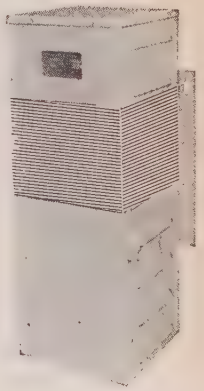

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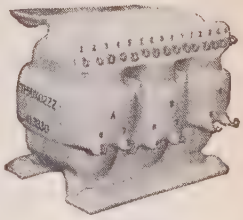

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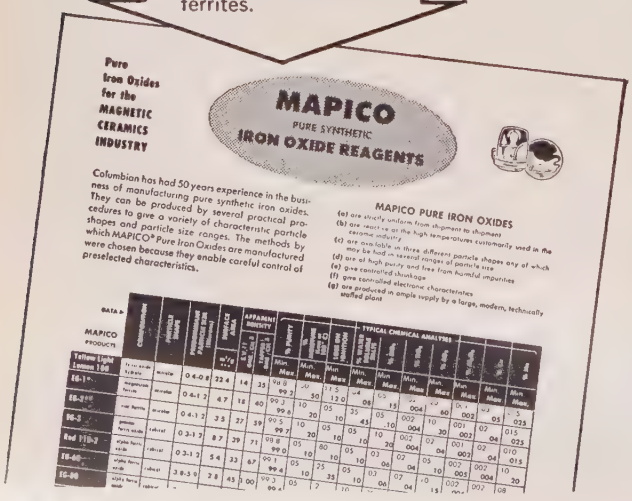

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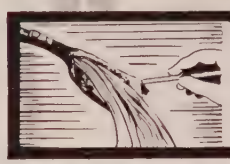

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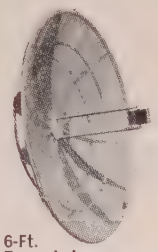

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PARABOLIC ANTENNAS

Mesh sizes from 4-ft. to 19-ft. and spun sizes from 4-ft. to 6-ft. Frequency bands from 806-960 MC, 1700-2400 MC and 5925-7450 MC. Other bands available on special order. Variety of mountings.

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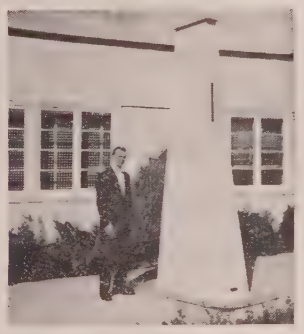

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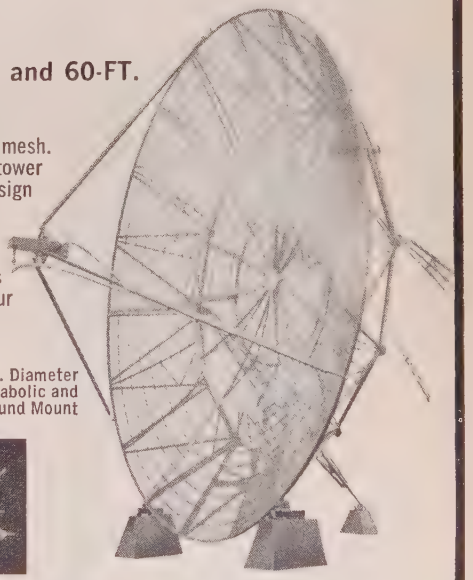
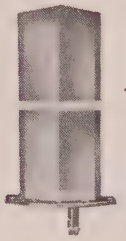


28-Ft. Diameter Parabolic and Ground Mount

AIRBORNE ANTENNAS



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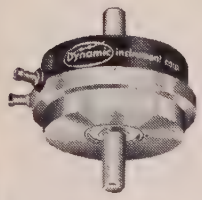

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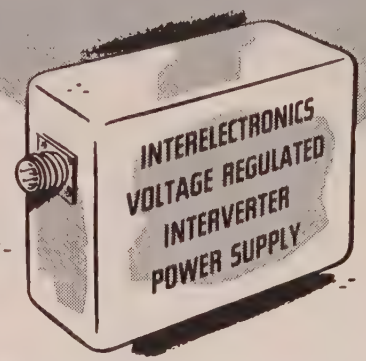

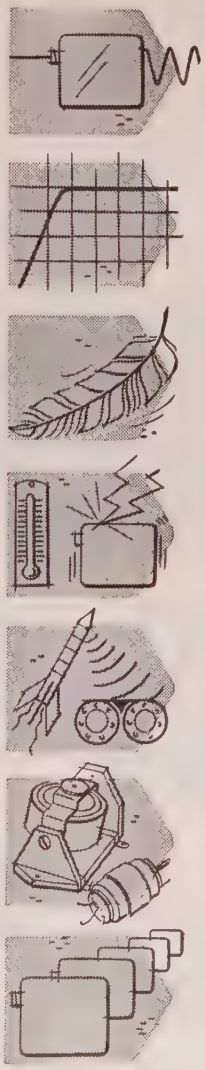

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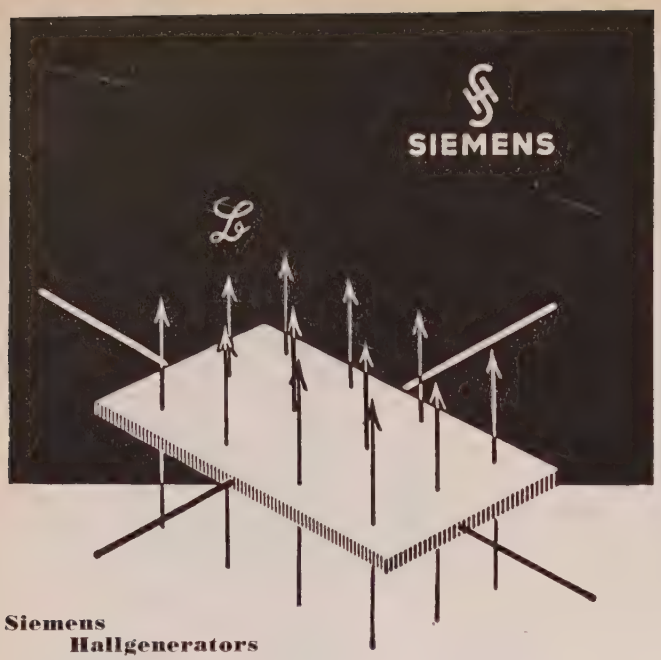

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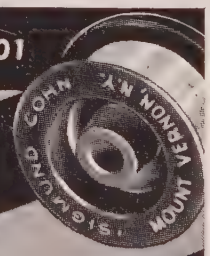

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#501 Wave Guide type RG52 equipped with 2 type UG 39 flanges, 501 C has two chokes type UG 40, and 501 CF has one flange and one choke. Standard length 4", can also be furnished in full inches from 2" to 20" or longer 2" to 4" **$5.40**

#502 Wave Guide to Coax Adaptor has UG39 type flange, two inches of RG 52 type guide and a UG 23 connector which will mate with UG 21 cable connector as used with RG 8, 9 or 10 type coax..... **$5.40**

#503 Klystron Tube Mount for 723A/B or 2K25 Klystrons. Equipped with 3DB pad, 1N23 crystal, UG 88 connector for crystal current, RG 52 Wave Guide and UG 39 type flange. Power cable equipped with M1P8 connector to connect with 510 power supply. This Klystron tube mount may be used as local oscillator for micro wave receiver, transmitter, signal generator, spectrum analyzer and test oscillator. Klystron not supplied. Klystron shell is at ground potential using 510 power supply **$24.00**

#503A Klystron Tube Mount same as 503 less pad and crystal mount **$15.00**

#504 Frequency Meter consists of 4" length of RG 52 type wave guide with UG 39 input and output flanges. The 1" micrometer head tunes a cylindrical cavity from approximately 8.2 KMC to 10 KMC. The coupling and Q permit satisfactory absorption indications of resonance in the tuning band..... **$30.00**

#505 Slotted Line consists of a 4" length of slotted RG 52 equipped with UG 39 input and output flanges. The sliding probe, adjustable for depth and 5 CM travel, is equipped with a IN 23 crystal terminated in to a UG 88 connector and 200 ohm shunt resistance. With a suitable amplifier as supplied in the 510 power supply, wave length and VSWR can be indicated **$30.00**

#506 Flap Attenuator adjustable from 0 to over 20 DB at power levels under 1 watt. Consists of 4" length of RG 52 equipped with 2 type UG 39 flanges **$18.00**

#507 Wave Guide Termination consists of 2.5 inches of RG 52 guide and a UG 39 input flange. Will absorb power at levels less than 1 watt. The strip of absorbing material is easily removed **$5.40**

#508 Thermister Mount consists of 1.75 inch length of RG 52 guide with a UG 39 input flange. Thermister balances, with no RF power input, at 600 to 1000 ohms and will indicate down to 1 MW RF with a 100 micro ampere bridge balance meter. High power levels may be indicated using fixed standard attenuators ahead of the thermister. D. C. bridge output is through a UG 88 connector to DC power and bridge balance meter in type 510 Power Supply..... **$18.00**

#509 Horn Antenna consists of 3" length of RG 58 guide flared at one end for low gain transmission or reception. Output is through coax connector type UG 23 **$9.00**

#509-F Horn Antenna with flange input **$9.00**

#510 Power Supply furnishes fixed regulated cavity potential for 723A/B or 2K25 Klystrons (cavity grounded) adjustable and regulated repeller voltage, unregulated filament and means to insert signal for repeller modulation. Sensitive meter may be switched from tube mount crystal current to Thermistor bridge output and to VSWR amplifier output. Regulated power for thermister bridge and VSWR amplifier also provided for. Operates from 110 to 130 volt AC 1ø 60 C/S power, using less than 50 watts. **$120.00**

#511 Shunt Tee consists of 3" length of RG 52 guide equipped with three UG 39 flanges **$12.00**

#512 Directional Coupler consists of 4" length of RG52 guide equipped with UG 39 flanges. Attenuation approximately 20 DB. Directional output is terminated in UG 23 connector. **$15.00**

#513 Fixed Attenuator is the same as 506 except fixed pad is used..... **$13.50**

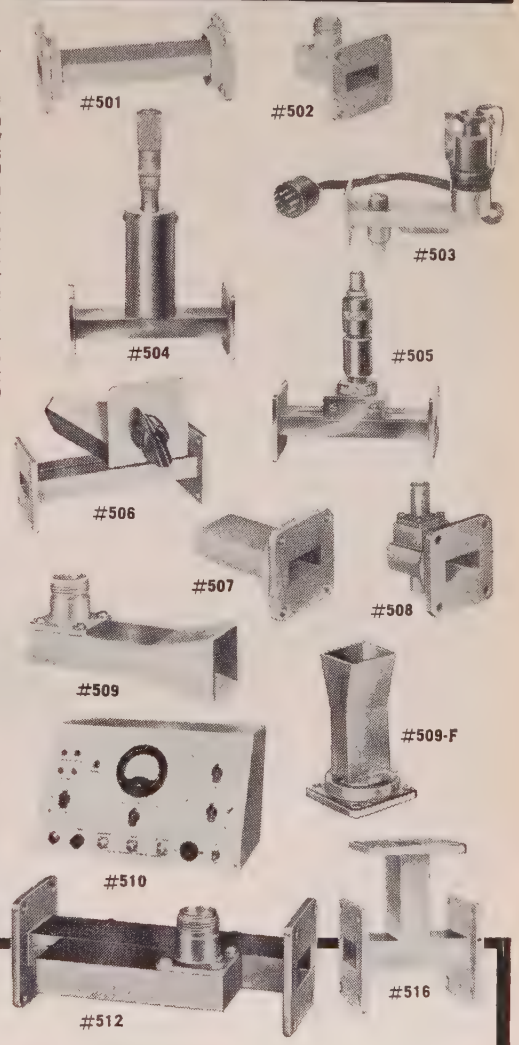
#514 R.F. Cable consists of 2 feet of RG 8 type coax equipped with two UG 21 cable connectors **$6.00**

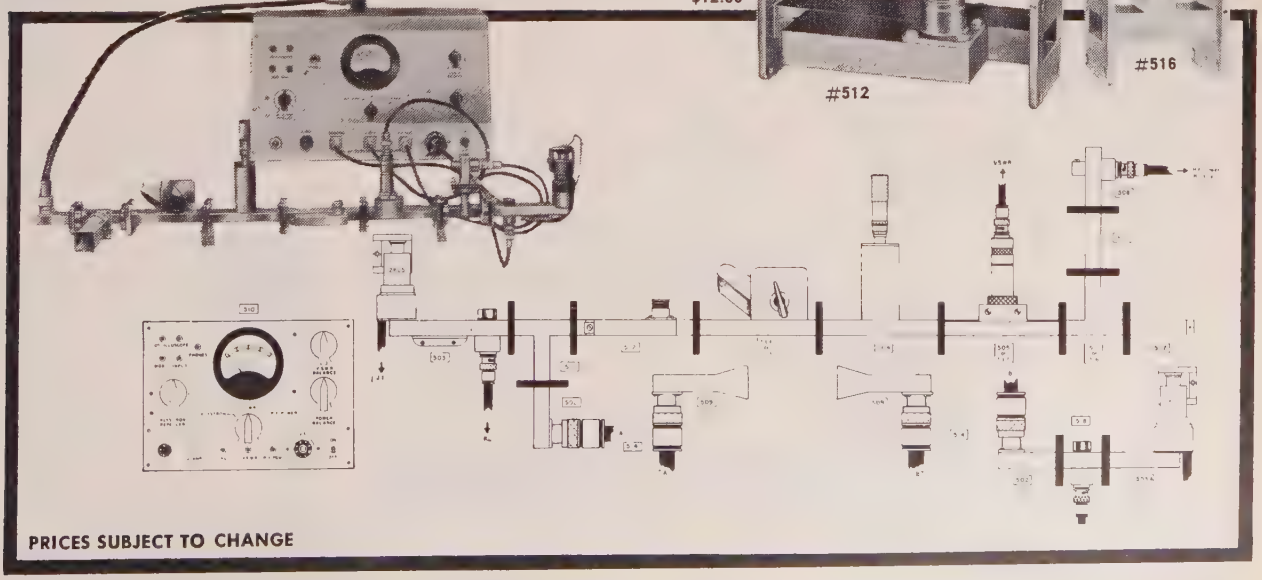
#515 Video Cable consists of 2 feet of RG 58 cable equipped with two UG 89 cable connectors **$4.50**

#516 Series Tee consists of 3" lengths of RG 52 guide terminated with 3 type UG 39 flanges. **$12.00**

#517 Tuning Probe is the same as 505 except that probe is grounded and crystal is not required. **$24.00**

#518 Crystal Mount consists of 2 inch length of RG 52 equipped with 2 UG 39 Flanges and 1N23 crystal terminated with UG 88 connector. Suitable for R.F. detection or mixer applications as required for heterodyne reception and spectrum analyzers. **$12.00**





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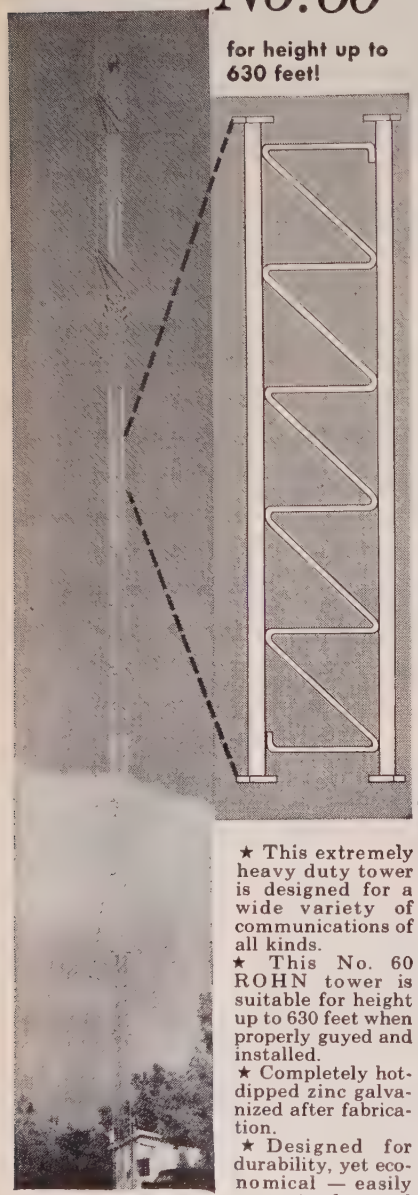

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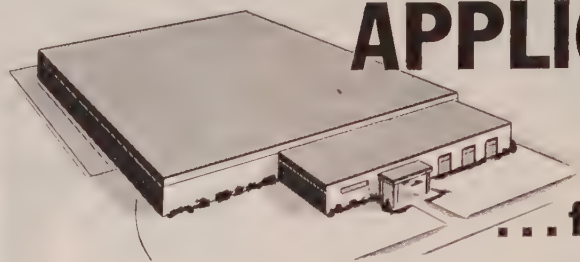

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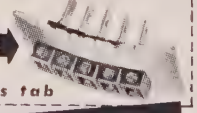

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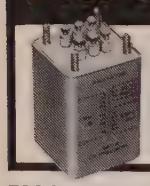
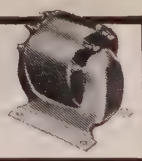
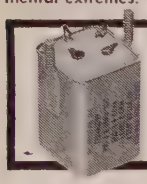


HERMETIC
Ceramic compression terminals. Stud type mounting. Schematic. Baked enamel finish, MIL-T-27A.

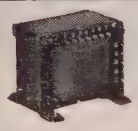
ENCAPSULATED HIPERSIL
Bracket mounting. Epoxy impregnation and coating. Resists environmental extremes.





SUB-MINIATURE MIL CASE
Hermetic. Ceramic compression terminals. 3/4" x 3/4" x 1 1/8" H. Wt. 1 1/8 oz. MIL-T-27A Grade 4, class R.

MINIATURE MOLDED
Epoxy cast. Resists environmental extremes. For plug-in printed circuits. .040 pins 7/8" x 1 5/32" x 7/8" H. Wt. 1 3/4 oz.



ENCAPSULATED POWER
Bracket mounting. Used in portable equipment where terminals must be brought out from Transformer.

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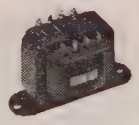
For Airborne Applications, Teflon, Mylar, and Silicone insulations used. Flat bracket mounting.



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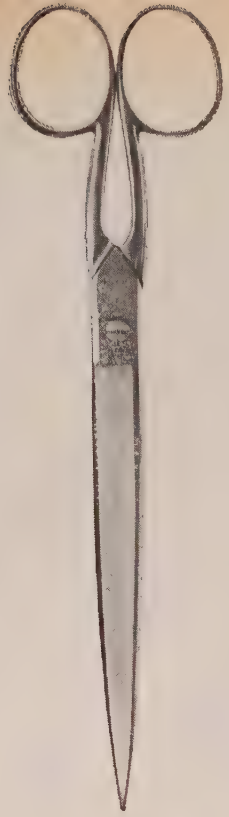

*A branch of study concerned with the observation and classification of facts.—Webster

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GENERAL DESCRIPTION

Instruments for Industry, Inc. announces two new super video amplifiers Models M-630 and M-680. These amplifiers can be used in much the same way as the M-600 amplifiers have been used by the electronic industry in recent years. That is, two M-630 or two M-680 amplifiers can be housed in a cabinet that includes a power supply and front panel connections. The present dual-amplifier combination using a pair of M-600 amplifiers, is designated Model M-395A. Now the same amplifier cabinet (see photograph) can be used for a pair of M-630 or M-680 amplifiers. The two amplifier sections can be operated separately, in cascade, in parallel, or in push-pull operation.

Each section has a 90-ohm input and a 90-ohm output impedance for which there are separate input and output connectors on the front panel. For two-channel work, it is possible to use each amplifier as a separate amplifier with a gain of 20 db (if M-680 sections are used) or 60 db (if M-630 sections are used), two volts RMS output each.

Two 600's with Power Supply and cabinet or rack panel = Model 395A
Two 630's with Power Supply and cabinet or rack panel = Model 393
Two 680's with Power Supply and cabinet rack or panel = Model 398

600 Series $225 ea.
300 Series $595 ea.

SPECIFICATIONS

Bandpass	200 cps to 50 mcs (M-600) 300 cps to 30 mc (M-630) 400 cps to 80 mc (M-680)
Gain	40 ± 1½ db (M-600) 60 ± 2 db (M-630) 20 ± 1½ db (M-680)
Input Impedance	90 ohm, VSWR less than 1.5
Output Impedance	90 ohm, VSWR less than 2.1
Max. undistorted output voltage - matched	2.0 VRMS
Max. undistorted output voltage - open circuit	5.0 VRMS max. load capacity 25 μμf for 3 db down at 50 mc (M-600) 65 μμf for 3 db down at 80 mc (630) 25 μμf for 3 db down at 30 mc (M-680)
Max. Pulse Output (Matched Load)	3.0 volts peak — positive or negative
Max. Pulse Output (Open Circuit)	7.0 volts peak — positive or negative
Pulse Rise Time	10 millimicroseconds
Max. Pulse Duration (10% droop)	60 microseconds (M-600) (M-630) 40 microseconds (M-680)
Pulse Delay Time	20 millimicrosec. (M-600) 30 millimicrosec. (M-630) 12 millimicrosec. (M-680)
Recovery Time (100 times overload)	500 milimicroseconds
Noise Figure	Approximately 9 db
Gain Control Range	20 db
Linear Range at full gain	Approximately 60 db

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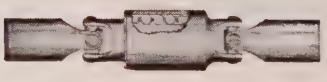

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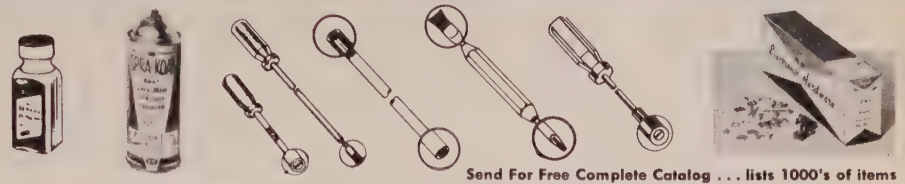

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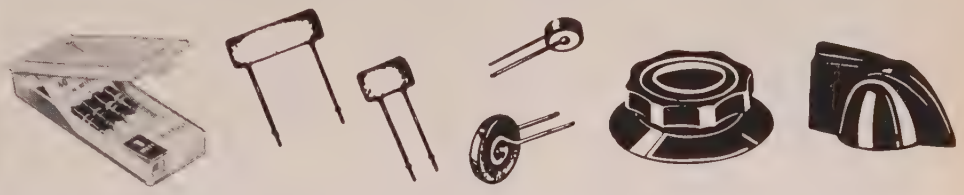

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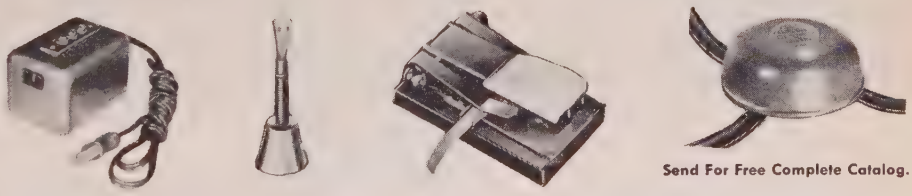

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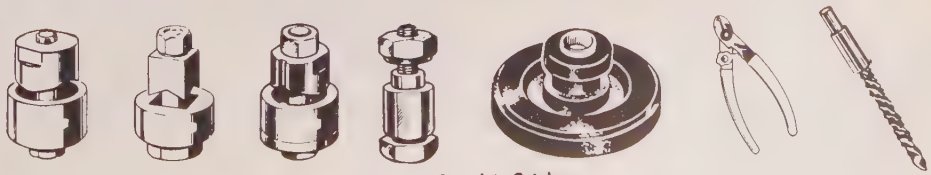

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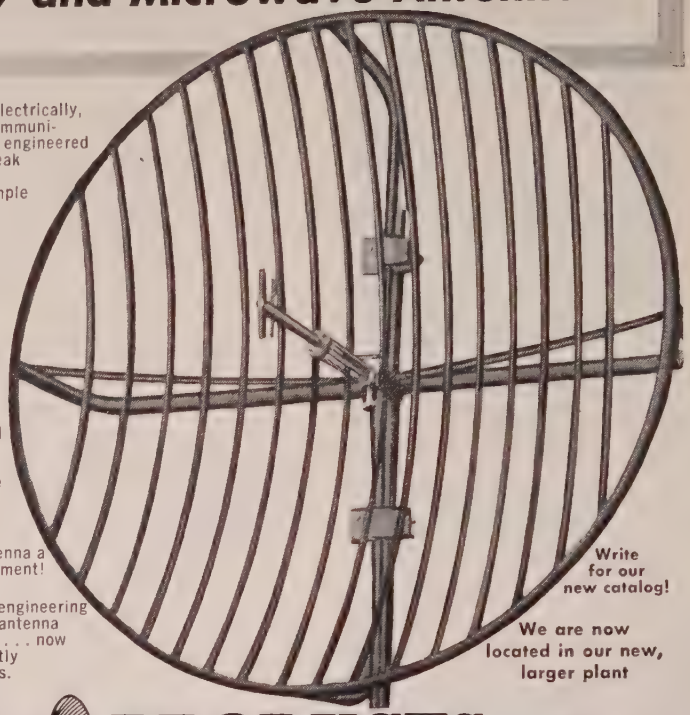

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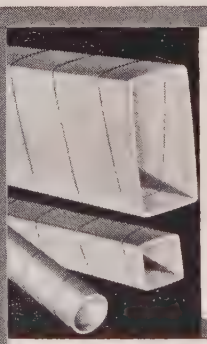

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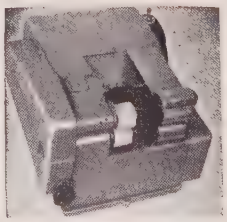

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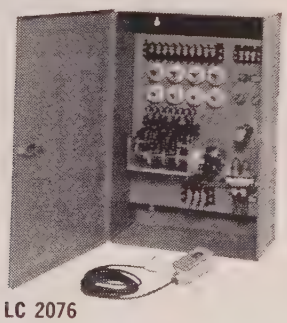

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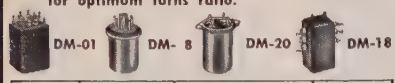

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MPT- 7	TF4RX35YY	0.7/0.7/0.7	200
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MGF 6	Filament	90021	TF4RX01GB007
MGF 7	Filament	90022	TF4RX01JB008
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MGA 3	Pri. 600 Split Sec. 135,000 C.T.	Input	90002	TF4RX10AJ001
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MGA 6	Pri. 7,600 Tap @ 4,800 Sec. 4, 8, 16	Output	90005	TF4RX13AJ002
MGA 7	Pri. 15,000 C.T. Sec. 600 Split	Output	90006	TF4RX13AJ003
MGA 8	Pri. 24,000 C.T. Sec. 600 Split	Output	90007	TF4RX13AJ004
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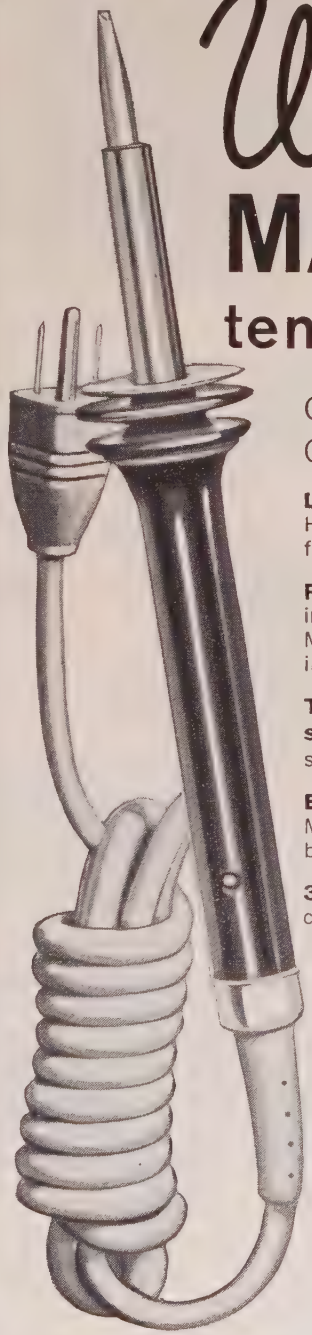

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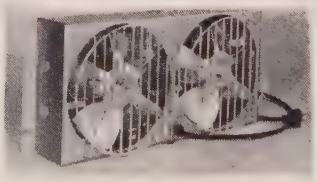

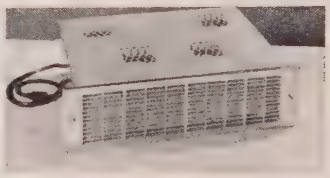

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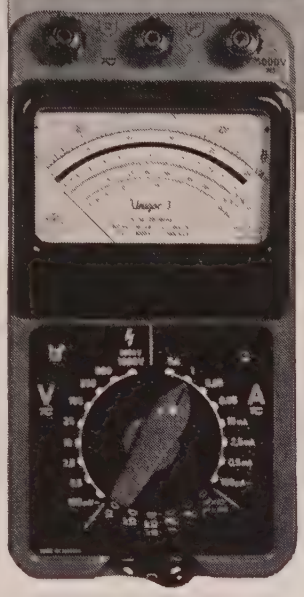

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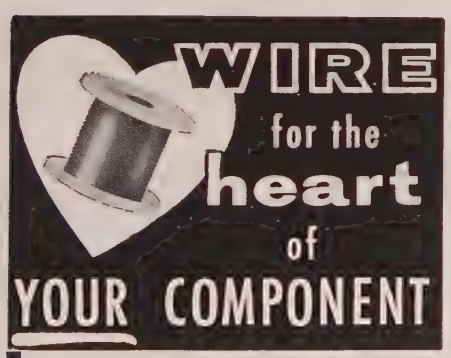

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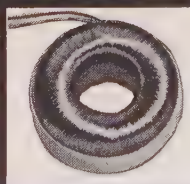

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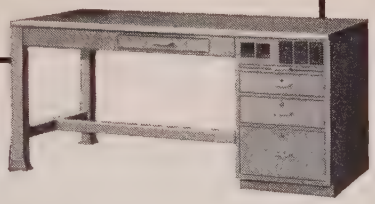

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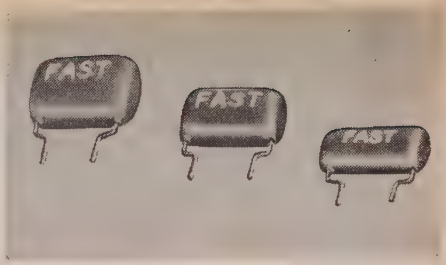

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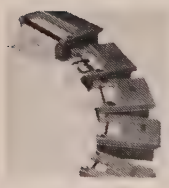

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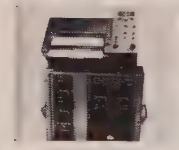

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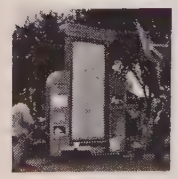

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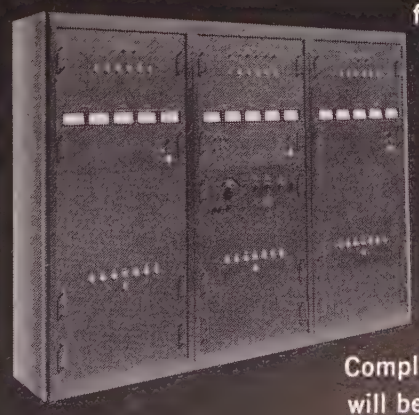

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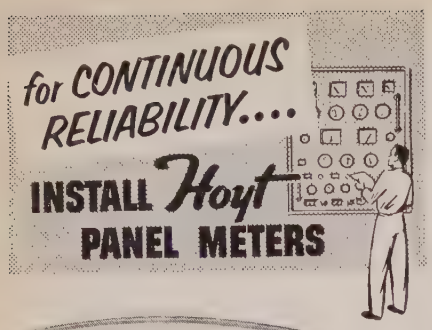

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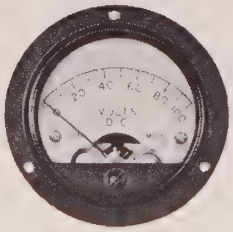

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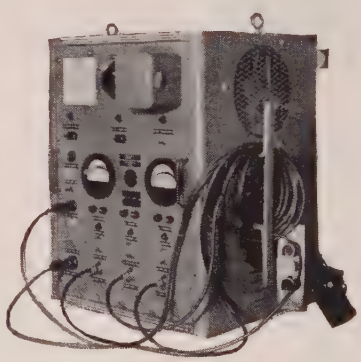
MACARR Inc.

MODEL 999 BATTERY CHARGER



Model 999 Charger is a fully automatic, constant current type unit, capable of charging three batteries independently and simultaneously. Includes a discharge circuit designed specifically for the maintenance of silver-zinc batteries.

Constant current is maintained throughout the entire charging cycle except at the initial start when battery is practically a short circuit. At this point the charger surge is limited to less than ten amperes for the short duration required to bring battery terminal voltage up.

Charger terminal voltage automatically regulates to maintain current constant from a theoretical starting voltage of zero to a critical range of 28-28.5V.

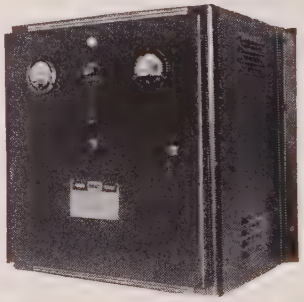
At this level the battery is considered charged and charger automatically shuts off.

Charger is equipped with input line cord, three sets of charging leads with Cannon 11751 plug and one set of discharge leads.

Input: 115 volts, 1 phase, 50/60 cycles.
Output: 3-independent outputs, each 5-6 A @28.5 Volts
Discharge Circuits: 1.75 Amps, 1-20 Amps

MAGNETIC AMPLIFIER REGULATED RECTIFIER—MODEL MAR 120-10

Input:	115 volts, 1 phase, 60 cycles
Output:	10 A @ 120 volts nominal ± 10%
Regulation:	Less than 1% from zero to full load with ± 10% line change
Ripple:	1% RMS
Response:	.2 Seconds
Cooling:	Convection
Meters:	3½" Voltmeter and Ammeter
Cabinet Size:	28" H x 22" W x 15" D Wall or bench mounted



Model MAR 120-10 is a ruggedly constructed magnetic amplifier regulated power supply using high efficiency silicon diodes for reference circuits and germanium or silicon for the power rectifiers.

SEND TO DEPT. EB FOR COMPLETE INFORMATION

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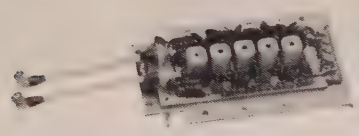
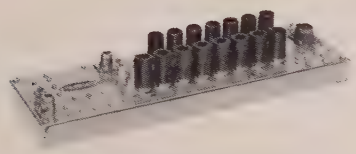
RSE UHF FM COMMAND RECEIVER. Model 2611 subminiature tube crystal controlled receiver. Fixed tuned within ± .01% of desired frequency between 400 and 550 Mc. **Frequency modulation:** ± 350 Kc at 50 cps to 15 Kc. **Sensitivity:** 7.5 μv for 6 db $\frac{S+N}{N}$ ratio with 15 Kc audio bandwidth (sensitivity increases with reduced bandwidths). **Limiting level:** 90% max. output on 10 μv (or smaller) input. **Selectivity:** — 60 db at 2 Mc from carrier. **Image rejection:** 50 db. **Temp. range:** — 60°C to + 85°C. **Power input:** 600 ma at 28V ± 2V DC. **Size:** 2½" x 8" x 3". **Weight:** 2.4 lbs.

RSE TRANSISTORIZED UHF COMMAND RECEIVER. Model 2620 transistorized crystal controlled receiver. Fixed tuned within ± .01% of desired frequency between 400 and 550 Mc. **Frequency modulation:** ± 350 Kc at 50 cps to 15 Kc. **Sensitivity:** 5.0 μv for 6db $\frac{S+N}{N}$ ratio with 15 Kc audio bandwidth (sensitivity increases with reduced bandwidths). **Limiting level:** 90% max. output on 12 μv input. **Selectivity:** — 60 db at 2 Mc from carrier. **Image rejection:** 40 db. **Temp. range:** — 50°C to + 72°C. **Power input:** 50 ma at 28V ± 2V DC (1.5 watts). **Size** 7" x 3" x 0.8". **Weight:** 1 lb.



RSE TRANSISTORIZED IF AMPLIFIERS. These models are typical of RSE's broad range of transistorized amplifiers. Model 83003H: **Center frequency:** 30.0 Mc. **Bandwidth:** 3.5 Mc. **Gain:** 100 db. **Gain control:** 70 db min. control range. **Noise figure:** 2 db (tube input). **Source impedance:** 200Ω at 20 $\mu\mu$f. **Output:** video. **Power required:** 20VDC, 9 Ma; 6VDC, 1.5 ma; 120 VDC, 15 ma; 6.3V, 200 ma. **Temperature range:** — 55°C to + 100°C. **Size:** 8¾" x 3⅛" x ⅞". Model 83003D: **Center frequency:** 30.0 Mc. **Bandwidth:** 3.5 Mc. **Gain:** 60 db. **Gain control:** 40 db min. control range. **Noise figure:** 7 db (transistor input). **Source impedance:** 200Ω at 20 $\mu\mu$f. **Output:** crystal detector and discriminator. **Power required:** 20 VDC, 6 ma; 6VDC, 1 ma. **Temp. range:** — 55°C to + 100°C. **Size:** 5¼" x 3⅛" x ⅞".

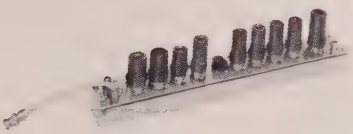


RSE SERIES 2200 DISTRIBUTED AMPLIFIERS

Model	3db Bandpass	Input Impedance	Output Impedance	Voltage Gain	Dimensions (inches)	Application
2210	0.1 - 220 mc	200Ω	50Ω	20 db	15⅝" x 3 13/16" x 3¼"	Low noise preamplifier (noise figure 6 db)
2220	0.1 - 300 mc	50Ω	50Ω	20 db	15⅝" x 3 13/16" x 3¼"	General purpose voltage amplifier
2230	0.1 - 300 mc	50Ω	50Ω	18 db	15⅝" x 3 13/16" x 3¼"	Power amplifier (1 watt output)

RSE STANDARD SUBMINIATURE IF AMPLIFIERS

Model	Center Frequency	Band Width	Noise Figure	Source Impedance	Output	Gain	Gain Control Type & Range		Overall Dimensions (including tubes)
							AGC	MGC	
810-030	30.0 mc	10.0 mc	2.4 db	400Ω at 10 $\mu\mu$f	IF	97 db	80 db	none	8⅝" x 3⅛" x ⅞"
810-060	60.0 mc	10.0 mc	3.0 db	400Ω at 10 $\mu\mu$f	IF	97 db	80 db	none	8⅝" x 3⅛" x ⅞"
815-030	30.0 mc	15.0 mc	2.9 db	400Ω at 10 $\mu\mu$f	IF	96 db	80 db	60 db	11⅛" x 3⅛" x ⅞"
815-060	60.0 mc	15.0 mc	3.5 db	400Ω at 10 $\mu\mu$f	IF	96 db	80 db	60 db	11⅛" x 3⅛" x ⅞"



RSE STANDARD MINIATURE IF AMPLIFIERS

Model	Center Frequency	Band Width	Noise Figure	Source Impedance	Output		Gain	Gain Control Type & Range		Remarks
					IF	Video		AGC	MGC	
901-030	30.0 mc	2.0 mc	2.8 db	50Ω	None	Yes (+)	97 db	None	None	
901-060	60.0 mc	2.0 mc	3.2 db	50Ω	None	Yes (+)	97 db	None	None	
905-030A	30.0 mc	2.0 mc	1.5 db	200 to 400Ω & 10 $\mu\mu$f	Yes	Yes (—)	110 db	60 db	None	Switchable 3 db attenuator included
905-060A	60.0 mc	2.0 mc	2.3 db	200 to 400Ω & 10 $\mu\mu$f	Yes	Yes (—)	103 db	40 db	None	
910-030A pre-amp with 915-030A post amplifier	30.0 mc	10.0 mc	1.7 db	400Ω & 10 $\mu\mu$f	Yes	Yes (+)	97 db	80 db	30 db	40 db linear dynamic range at IF or Video outputs
910-060A pre-amp with 915-060A post amplifier	60.0 mc	10.0 mc	2.5 db	400Ω & 10 $\mu\mu$f	Yes	Yes (+)	97 db	80 db	30 db	
910-030A pre-amp with 916-030A post amplifier	30.0 mc	4.0 mc	1.6 db	400Ω & 10 $\mu\mu$f	Yes	Yes (+)	97 db	80 db	30 db	
910-060A pre-amp with 916-060A post amplifier	60.0 mc	4.0 mc	2.4 db	400Ω & 10 $\mu\mu$f	Yes	Yes (+)	97 db	80 db	30 db	
920-030	30.0 mc	9.0 mc	—	93Ω	None	Yes (+)	72 db	None	50 db	Available with commercial construction only
920-060	60.0 mc	9.0 mc	—	93Ω	None	Yes (+)	65 db	None	50 db	
93003A Lin-Log	30.0 mc	2.0 mc	1.5 db	400Ω & 10 $\mu\mu$f	None	Yes (+)	90 db	Lin-Log response: 15 db gain in linear section & 75 db gain in Log section; Dynamic Range 80 db		

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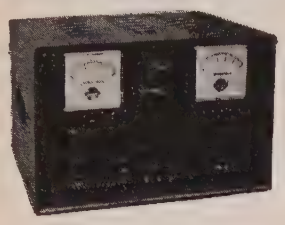
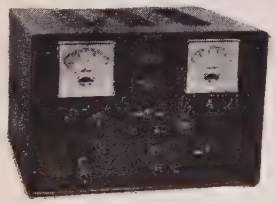


***MODEL 1803**
TRANSISTOR PARAMETER TEST SET
Measures the small signal "h" parameters and wide range of I_{CO}.

***MODEL 1811**
MILLIMICROAMMETER
Measures low level dc currents from less than 1 mua to 3 ma. Chopper stabilized. No zero adj.



***MODEL 1802**
RF TRANSISTOR TEST SET
Measures F_a, F_t to 50 mc, $r_b'C_c$, and C_{ob} - Direct reading.

*All above instruments are complete and require no accessories — line operated — no batteries.

ALSO: MODEL 1816—TUNNEL DIODE TEST SET — MODEL 1808 — WIDE RANGE DIODE TEST SET

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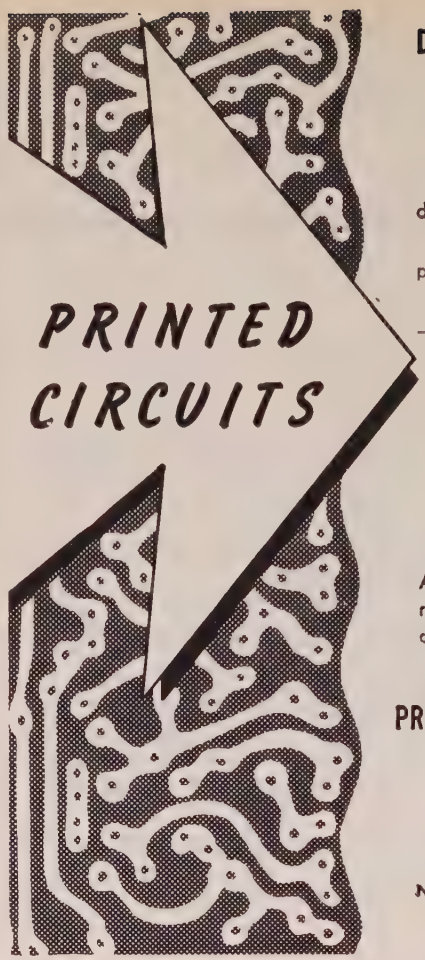

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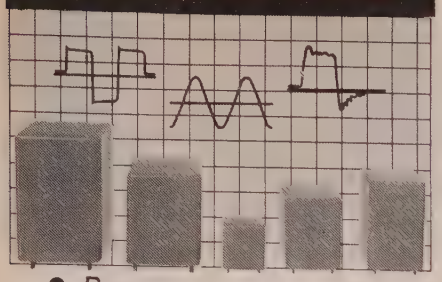

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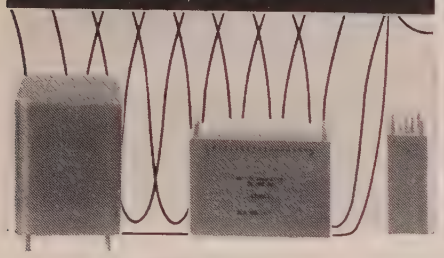

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- High Pass Filters
- Band Pass Filters
- Delay Lines

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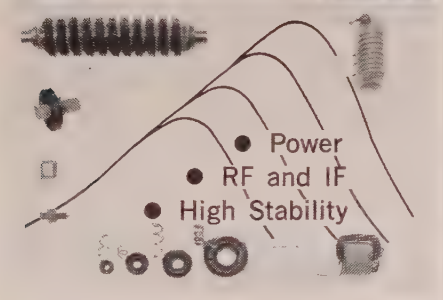

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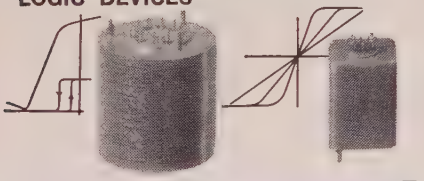

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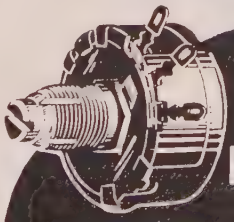

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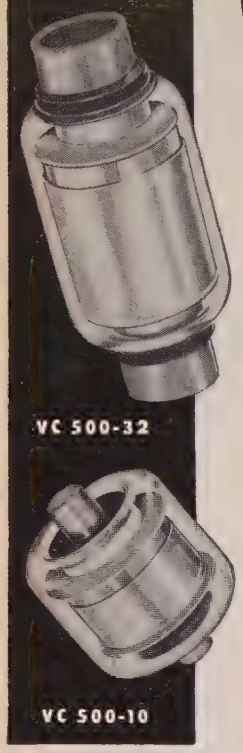

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TYPE	CAPACITY mmfd.	PEAK KILOVOLTS	RMS AMPERES	DIMENSIONS LENGTH	DIMENSIONS DIA.	CONTACT DIA.
VC6-32	6	32	45	6½	2⅞	13/16
VC12-32	12	32	45	6½	2⅞	13/16
VC25-32	25	32	45	6½	2⅞	13/16
VC50-32	50	32	65	6½	2⅞	13/16
VC75-32	75	32	65	6½	2⅞	13/16
VC100-32	100	32	65	6½	2⅞	13/16
VC150-32	150	32	65	6½	2⅞	13/16
VC200-32	200	32	65	6½	2⅞	13/16
VC250-32	250	32	65	6½	2⅞	13/16
VC500-32	500	32	120	7½	3 9/16	2
VC100-A	100	32	100	6⅝	2⅞	1 23/32
VC250-A	250	32	100	6⅝	2⅞	1 23/32
VC6-20	6	20	30	4½	2⅛	13/16
VC12-20	12	20	30	4½	2⅛	13/16
VC25-20	25	20	30	4½	2⅛	13/16
VC50-20	50	20	45	4½	2⅛	13/16
VC75-20	75	20	45	4½	2⅛	13/16
VC100-20	100	20	45	4½	2⅛	13/16
VC250-20	250	20	65	6½	2⅞	13/16
VC500-20	500	20	120	7½	3 9/16	2
VC750-20	750	20	120	8⅞	3 9/16	2
VC6-16	6	16	25	4⅝	1 15/16	9/16
VC12-16	12	16	25	4⅝	1 15/16	9/16
VC25-16	25	16	25	4⅝	1 15/16	9/16
VC50-16	50	16	45	4⅝	1 15/16	9/16
VC100-16	100	16	45	4⅝	2¼	9/16
VC25-10	25	10	20	2¾	1½	11/32
VC50-10	50	10	20	2¾	1½	11/32
VC50-10-A	50	10	40	3¾	2⅛	⅞
VC100-10-A	100	10	40	3¾	2⅛	⅞
VC150-10-A	150	10	40	3¾	2⅛	⅞
VC250-10	250	10	45	4	3¼	⅞
VC500-10	500	10	45	4	3¼	⅞
VC50-7.5	50	7.5	25	3 5/16	1⅝	9/16
VC100-7.5	100	7.5	35	4⅝	1⅝	9/16

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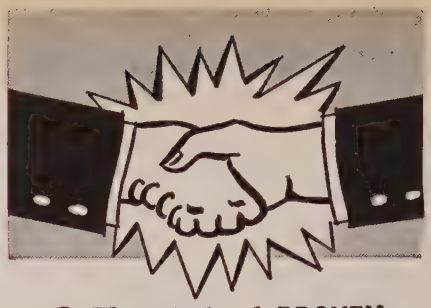

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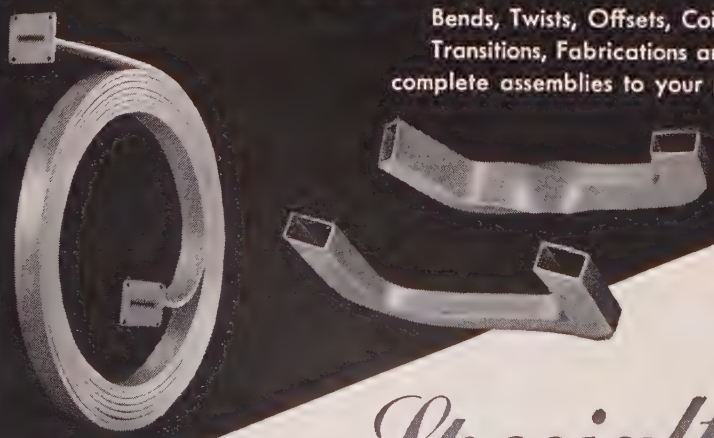

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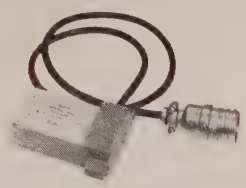
MODEL A5
linear accelerometer

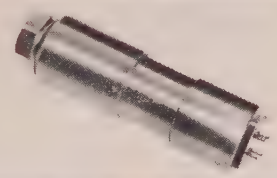


RANGE: ±2 to ±1,000 g
The model A5 accelerometer is versatile, easy to mount, and designed for applications in which high frequency response is important. Requiring an excitation of 9-12 volts, DC or AC, this model has an output of from ±35 to ±55 millivolts. This is a ruggedly constructed instrument. Weight: 4 oz., approx.

MODEL PA208
miniature absolute pressure transducer

RANGE: 0-5 to 0-1,000 psia
This flush diaphragm unit can be converted into a chamber-type pressure transducer, if required, with the use of interchangeable adapters, offered in the Statham catalog. This unit is well suited for applications where high frequency response is required. Its combined non-linearity and hysteresis error is guaranteed to be less than 0.75% of full scale. Weight: ½ oz., approx.

MODEL PG10
gage pressure transducer



RANGE: 0-50 to 0-10,000 psig
Designed to offer a large selection of ranges with excellent over-range protection, this model pressure transducer may be used, for example, in the measurement of surge pressures in airborne hydraulic systems. This model is used for the measurement of gage pressures. Weight: 17 oz. approx.

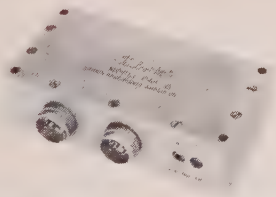
MODEL PA401
¼ volt output pressure transducer

RANGE: 50 to 5000 psia
Designed for sophisticated instrumentation, the rugged ¼ volt transducer series, permits direct connection or commutation to low level voltage-controlled oscillators. This model meets critical missile application specifications and permits accurate measurements of pressure impulses with extremely short rise times. Weight: 3¾ oz. approx.

MODEL PM80
bi-directional differential pressure transducer

RANGE: 1.0 to 5,000 psid
The unique construction of this pressure transducer permits the introduction of corrosive liquids to both the reference and the positive pressure ports. This model is available in wide ranges, and maximum line pressures of 9,000 psig can be applied. Over-range protection in both directions is provided. Weight: 12 lbs., approx.

MODEL CA9-0
strain gage signal amplifier



OUTPUT: −0.5 to +5 volts DC
Statham has drastically reduced the size and weight of strain gage amplifiers in this completely transistorized model. Less than 8½ cu. in. in size, the unit provides for total utilization of low-level signals, is more reliable in adverse environments than larger amplifiers and retains the precision required in current aircraft and space vehicles. Weight: 8 oz. approx.

For further information on these instruments, or other Statham products, please write to the sales engineer in your area, or Statham, Dept. EBG-922-1.

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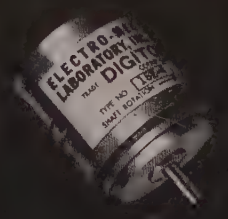

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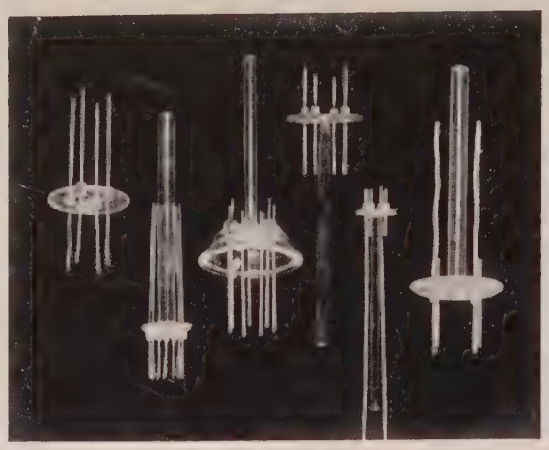

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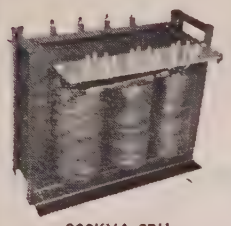

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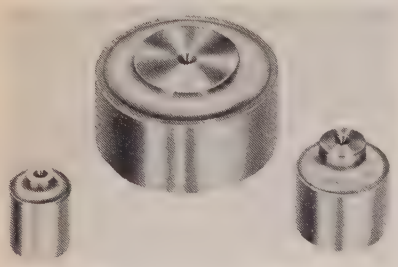

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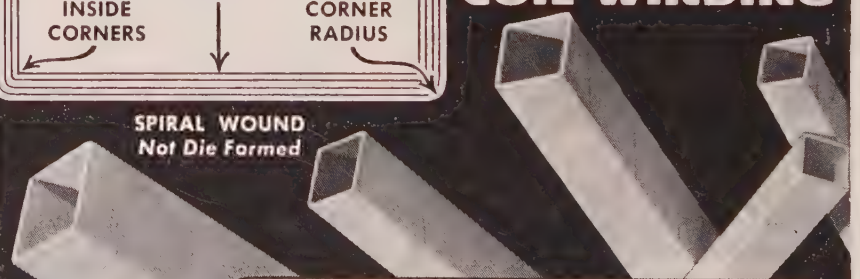

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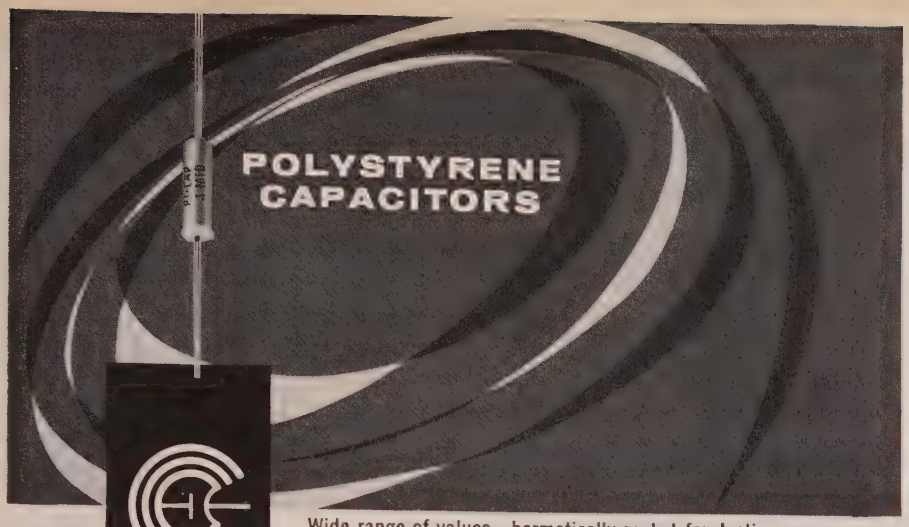

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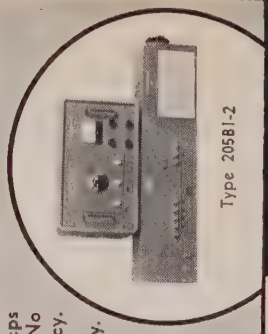

Type 405H - 8 cps to 500 kc. Type 405 - 8 cps to 100 kc. Type 405L - 1 cps to 20 kc. No amplitude adjustment, 0.25° relative accuracy.

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0.0001 cps to 1000 megacycles. Accuracy 0.05°, microvolt sensitivity.

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Step Variable Delay 602-603 Series: Equal input and output impedance; 11 different steps; total delay 0.2 us to 27.5 us; impedance 75 to 500 ohms.

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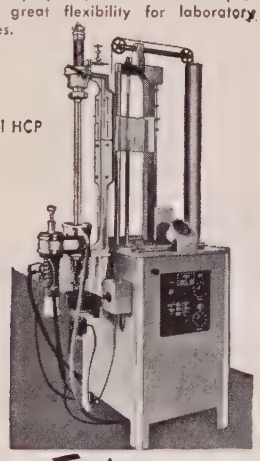
A new floating zone fixture for the production of ultra-high purity metals and semi-conductor materials. Purification or crystal growing is achieved by traversing a narrow molten zone along the length of the process bar while it is being supported vertically in vacumm or inert gas. Designed primarily for production purposes, Model HCP also provides great flexibility for laboratory studies.

Model HCP



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- A smooth, positive mechanical drive system with continuously variable up, down and rotational speeds, all independently controlled.
- An arrangement to rapidly center the process bar within a straight walled quartz tube supported between gas-tight, water-cooled end plates. Placement of the quartz tube is rather simple and adapters can be used to accomodate larger diameter tubes for larger process bars.
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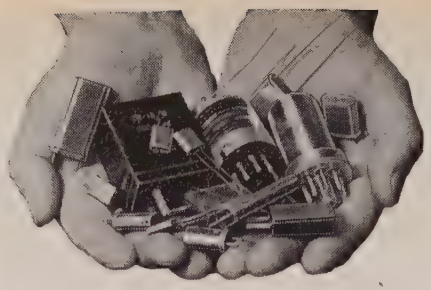

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Sebit 25

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Model EN-766

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Model C28-MR

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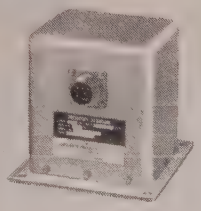

*These tolerances are from absolute frequency under any combination of the conditions within operating specifications. For specific operating conditions much closer frequency tolerances may be maintained.

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TYPE MAFC — Frequency Standard
- Frequency Range Available: 360 cps to 4 kc
- Tolerances % ±: 0.2, 0.05, 0.02, 0.01, 0.005*
- Temperature Ranges: —20 to +71°C
  —55 to +100°C
  —55 to +125°C
- Power Supply Voltage: 12 or 28 vdc ± 15%
- Size: 1⅝"x1⅝"x2¼" • Weight: 8 oz.

TYPE AFC — Frequency Standard
- Frequency Range Available: 360 cps to 4 kc
- Tolerances % ±: 0.2, 0.05, 0.02, 0.01, 0.005*
- Temperature Ranges: —20 to +71°C
  —55 to +100°C
  —55 to +125°C
- Power Supply Voltage: 12 or 28 vdc ± 15%
- Size: 2⅛"x2⅛"x3¼" • Weight: 13 oz.

TYPE MAFCD — Frequency Standard
- Frequency: 60 cps
- Tolerances % ±: 0.2, 0.05, 0.02, 0.01, 0.005*
- Temperature Range: —55 to +71°C
- Wave Shape: Sine w/less than 1% harmonic distortion
- Power Supply Voltage: 10 to 14 vdc
- Size: 4¹⁄₁₆"x4¹⁄₁₆"x4¹⁄₁₆" • Weight: 4 lbs.

TYPE MFB — Frequency Divider
- Ratios Available: 2:1, 4:1, 5:1, 8:1, 10:1, 16:1
- Temperature Ranges: —20 to +71°C
  —55 to +100°C
- Power Supply Voltage: 12 or 28 vdc ± 15%
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Type MFS is a small, lightweight frequency standard that can replace units many times its size without sacrificing frequency stability. Internal batteries and provisions for external power supply make the unit ideal for either laboratory or field applications.
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- Temperature Range: —20 to +71°C
- Size: 3⅞"x5⁵⁄₁₆"x5⁵⁄₁₆" • Weight: 2 lbs.

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Type MLS is an extremely high stability laboratory frequency standard. The clock on the panel facilitates easy checking of stability.
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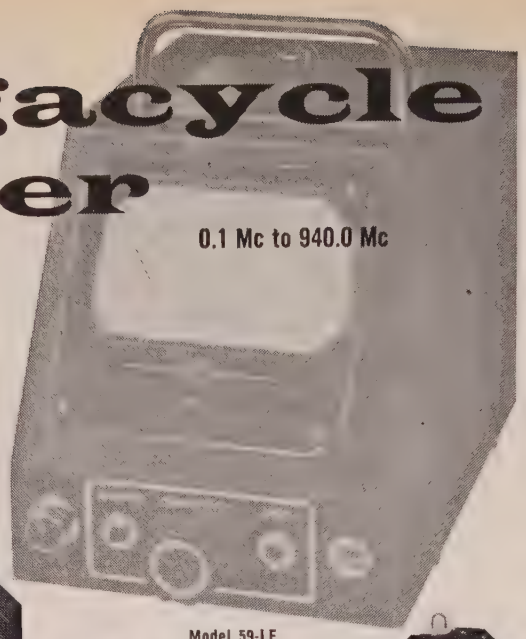
Megacycle Meter



0.1 Mc to 940.0 Mc

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This compact, lightweight grid-dip meter is available in the frequency ranges indicated.

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Oscillator
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Model 59-LF
Oscillator
100 Kc - 4.5 Mc

Model 59-UHF
Oscillator
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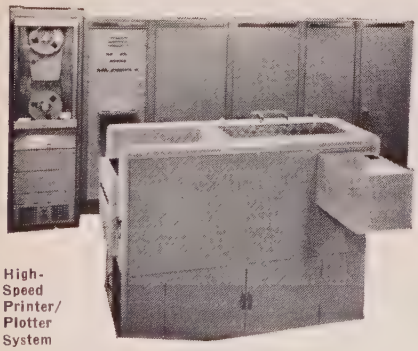

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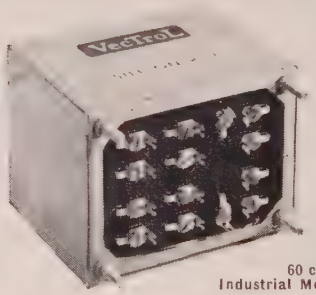


60 cycle
Industrial Model

Phase Shift Control for All Silicon Controlled Rectifiers

- Full 180° phase shift from 0 to maximum.
- Uniform firing assured by steeply rising pulses of constant amplitude.
- Failsafe—loss of control signal cuts off S.C.R.'s.
- Controls 1 or 2 S.C.R.'s of any make—regardless of individual gate impedance.
- 4 Control windings provide varied impedances or can be used separately for 2, 3 or 4 independent signals.
- Fast response within few milliseconds of control current changes.

REGULATES POWER TO

- Regulated power supplies
- Motor and generator controls
- Light sources
- Servoamplifiers
- All proportionate power control
- All feedback power control

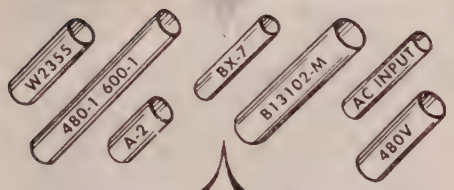
Also 400 cycle Military Model SILICONTROLS

See ELECTRONICS BUYERS GUIDE—1959, p. 553 for Thyratron Controls

VecTrol Engineering, Inc.
P.O. Box 1089, Stamford, Conn.
DAvis 4-4602

New fast service for

PERMANENT IDENTIFICATION WIRE MARKERS ON FLEXIBLE VINYL TUBING



We pioneered and patented the new COLD *Indeli-Dent*® Process which produces permanent imprints of unmatched durability on flexible vinyl tubing. Our *Indeli-Dent*® process wire markers are also of unexcelled clarity and legibility. They are resistant to ultra-violet light, oils, gasoline, alcohol, hydrolic fluids, salt spray and carbon tetrachloride. Markings cannot be rubbed off and are not affected by abrasion, varying temperature or elongation. They are mildew and fungus proof. In other words—these markers are **TRULY PERMANENT.**

What we offer that no other marking services can:

- *Permanent Imprints • Prompt delivery*
- *Large stocks of tubing conforming to MIL Specifications*
- *Vinyl markers of temperature range from —70° C to +105° C*
- *Marking directly on wire*
- *Government approved*
- *We also do conventional hot stamping*
- *Cuttings — Unmarked tubing cut to any length*
- *Markers specially packaged in numerical order as per prints or lists submitted*

We have also developed a process for marking high temperature material such as TYPE SF Silicone Rubber which can be used at a continuous operating temperature of 200° C.

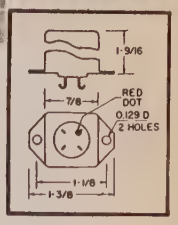
Call or write Markwik for samples and Brochure GB.

Prompt attention to your present and future wire marker requirements.

MARKWIK®

MARKWIK SALES CORPORATION
31 Sexton Road, Hicksville, N. Y.
Telephone: WElls 1-8055

MF TRANSISTORIZED ASSEMBLIES



FIXED FREQUENCY AUDIO TONE OSCILLATORS

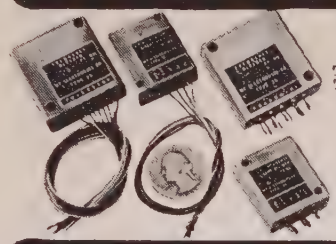
RC Pretuned Sine Wave—Reliable and hermetically sealed.

Series 101, 102—Standard frequencies from 400 cy. to 30 kc. with any intermediate frequency available. Weight—35 grams; operating temperature, —25 to +55°C. Dimensions 7/8" sq. x 1-9/16". Volume 1½ cubic inches.

Uses: Include aircraft, space vehicle, portable equipment; in telemetry, tiny circuits, bridge circuits and test equipment.
May be supplied with noval plug is desired.

0.5% TOLERANCE AVAILABLE ON SPECIAL ORDER.

Electrical Specifications:	Series 101	Series 101A	Series 102	Series 102A	Series 103
Input Volts, nominal	12	28	12	28	12
Input Current, ma.	7	7	7	7	7
Output Frequency		as specified			
Initial Freq. Accuracy at 25°C (percent)	±2½	±2½	± ½	± ½	± ½
Freq. Drift, max., over combined conditions of voltage and temperature variations, (percent)	±2½	±2½	±1½	±1½	±2
Maximum Load to meet Drift spec. (kilohms)	10	20	10	20	10
Maximum Load (kilohms)	1	2	1	2	1
Output Impedance, Nom. (ohms)	100	200	100	200	100
Total Harmonic signal Distortion, Typical (percent)	1	1	1	1	1
Output voltage, minimum, RMS	1.0	2.0	1.0	2.0	1.0



TRANSISTORIZED FLIP FLOPS & BINARY DIVIDERS

Operating Temperature: —25 to +60° C.

Group 1—Microminiature Units, commercial, 1/5 cubic inch
Type 11 —20 kc., 6 v. or 12 v. Type 11B—Binary Divider, 30 kc.
Type 11A—300 kc., 6 v. or 12 v. Type 11C—Binary Divider, 300 kc.

Group 2—Non-Military Units, in can, 1-1/16 x 1-1/4 x 1/2"
Type 21—30 kc. with two steering diodes and one reset diode. Both collector and base leads brought out.
Type 22—Same as Type 21 but 150 kc.
Type 23—Same as Type 21 but 300 kc.
Type 24—130 kc., 12 v., using 2N78's.
Type 25—1 mc., 12 v., using 2N384's.
Type 26—Frequency Divider.
Type 27—Monostable Multivibrator.

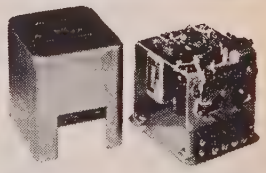
Group 3—Military Units, designed to meet the specification of MIL-I64000 Class 4. Same package as Type 21.

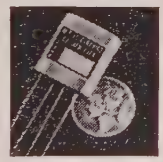
TRANSISTORIZED DC to AC INVERTERS

These are Precision AC Power Supplies operating from battery voltages of 12 to 28 volts. **All are controlled by isolated oscillators** similar to Series 101/102, or by other internal frequency sources. Output is separated from oscillator by a power amplifier; power factor correction included where necessary.

USES—Power Source for Synchronous Motors in Servo Systems
Power Source for Precision Recorders

Packaged for original equipment or for field and laboratory use.





TRANSISTORIZED MICROMINIATURE MODULES

Precison modules made with whole components and printed wiring board. Units are encapsulated for protection against shock and humidity.

Size: 1/5 cubic inch
Weight: 9 grams

Typical stock types are Amplifiers, Multivibrators, Saw-tooth Generators, Flip-flops, Binary Dividers, Oscillators.

Modifications or special units to your specifications.

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- photo-electronic controls for photography
- 60-400 cps light-modulated choppers
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- custom manufacture
- subcontracting

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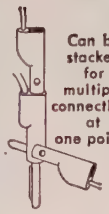
BEST WAY TO HOOK UP and INTERCONNECT EQUIPMENT

Addaplugs reduce set-up time . . . insure positive connections . . . cut costs! Patented *spring-action* tip has a wiping action for low contact resistance. Compensates for wide variations in female connections. Plug and lead integrally molded for perfect insulation. Far outlast homemade leads; cost less; are much more efficient. Available in three models in a variety of colors and lengths as required. Immediate delivery. *Write for Bulletin #581R.*

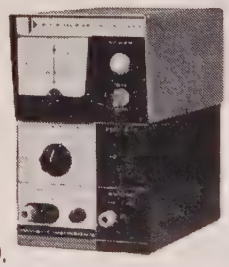


Can be stacked for multiple connections at one point.

New!! *Shielded Addaplug — incorporates Addaplug features into fully shielded connecting lead. Compact ¾" terminal spacing; easy use for multiple connections; shielded terminal clearly coded.*

ASSOCIATED ENGINEERING CORPORATION
65 Kent Street • Brookline 46, Mass. Tel: ASpinwall 7-4664

LOW LEVEL DC AMPLIFIER



Model 759-6* low level DC amplifier accepts DC signals from 5μv to 1 volt. It will indicate on its own panel-meter or record on a meter-type recorder. Having an inherent accuracy of 0.25% and a stability of 5μv, the instrument features low noise. Priced as low as $179.50.

*Also, model 759-5, without panel meter.

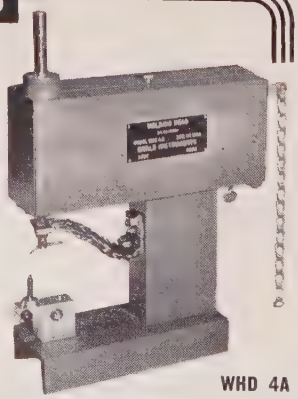
MAGNETIC INSTRUMENTS CO., INC. THORNWOOD, N. Y.
A Subsidiary of Pyrometer Company of America, Inc.

MINIATURE WELDERS

- **BENCH WELDING HEAD WHD 4A** • Pressure adjustable on calibrated scale 1 to 20 lbs. Foot or air operation. Linear motion in ball bushings. Stroke 2". Low inertia. Easy to set up and to jig up.
- **MINIATURE HEAD WHD 5A** • For very small work. Wire welds .0003 to .010" dia., other very small work. Pressure 1 ounce to 3 lbs. Ball bearing operation, ultra low inertia. Electrodes 1/8 or 1/16 dia.
- **STORED ENERGY POWER SUPPLIES** • Models from 3.6 to 100 watt-second capacity.
- **AC POWER SUPPLIES** • Synchronous and non-synchronous timer power supplies ½ to 3 KVA. ½ to 10 cycle or .05 to 2 seconds timers.

Tap welders for potentiometers – Portable Thermocouple welders and tackers — Tweezers & Handtools — Production welding machines.

Submit parts for sample welds and ask for data sheet.



WHD 4A

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We are specialists in manufacturing STANDOFF & FEEDTHRU TERMINALS insulated with Teflon*. Simplest terminal to install by forcing into undersize chassis hole.

Taurus Terminals are accepted and approved by major users. Taurus is a completely integrated, experienced and quality minded manufacturer of terminals.

*REG. T.M. OF E. I. DUPONT

TAURUS PUNCHED CARD SENSORS

Read Entire Punched Card Statically

FOR SIMPLE SWITCHING USING STANDARD PUNCHED CARDS

The Sensor statically reads entire standard I.B.M. or Remington Rand punched cards. Each hole position has a corresponding closed switch, and each unpunched hole position has a corresponding open switch when the Sensor is actuated.

Used for automatic test equipment and other automatic devices.

TAURUS CORPORATION
8 Coryell Street
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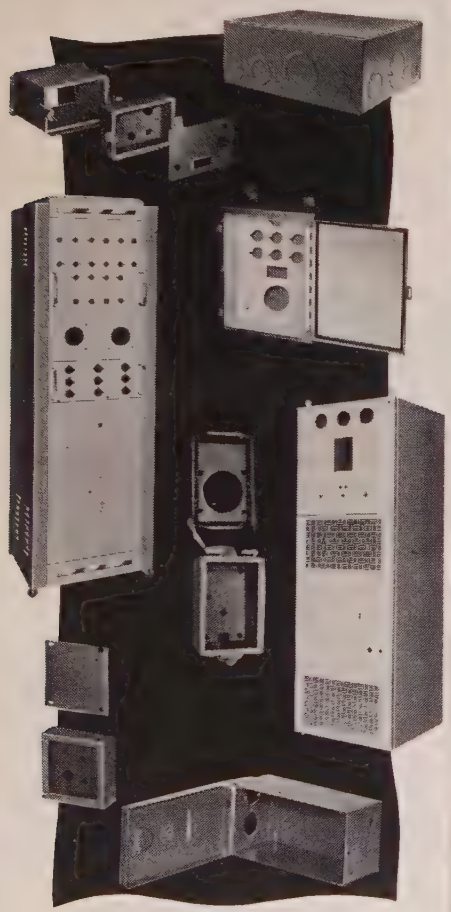
For FAST quotations on custom boxes, cabinets and enclosures . .



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Keystone now has a complete design and build service with all facilities to produce special boxes, cabinets and enclosures of any type or size to meet your exact requirements! Send your blueprints or sketches today—*you'll receive a quotation promptly!*

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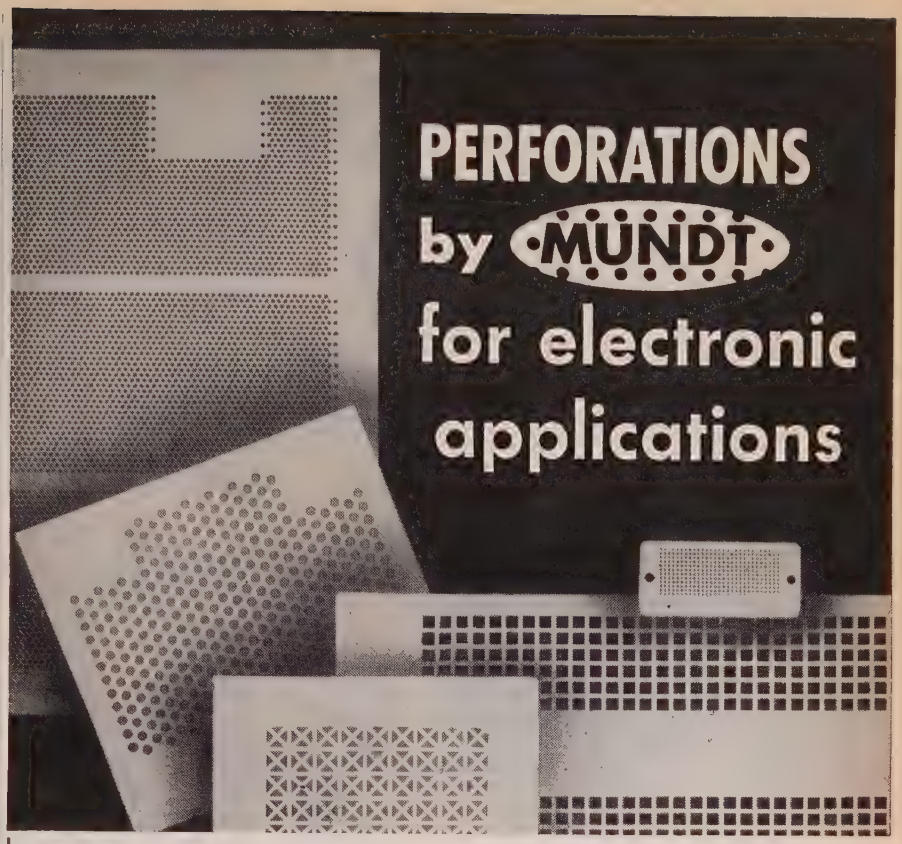

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THE BEST IN PERFORATION

With 85 years and over, of experience in perforating, we can manufacture the particular perforated screen or panel, in accordance with your specific requirements, in any of the following materials:—

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COPPER	LEAD	PLASTICS	TERNE PLATE
CUPRO NICKEL	MAGNESIUM	PLYWOOD	TIN PLATE
FIBRE	MONEL	RUBBER	ZINC

Many variations of patterns can be had with holes ranging from .018" to 2" and larger, in straight or staggered formations, of round, square, slot, or decorative designs, perforated material guaranteed to be perfectly flat, straight and parallel, and free from buckle or camber.

When considering your next perforated part in your equipment, consult our engineering department whose vast knowledge in the perforating field can assist you with the perforating applicable to the Electronic Industry which will enable you to procure the best in Quality & Workmanship.

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PANELS: For receivers & transmitters
HOUSINGS: For Transformers, computers, amplifiers & special instruments
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COVERS: For shielding Hi Frequency Equipment
and other perforated electronic parts or equipment

SEND US YOUR PRINTS; HELPFUL SUGGESTIONS GLADLY GIVEN
or
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N. Y. Phone - WO. 4-4764

MAGNETRON CONNECTORS

by jettron®

Specify JETTRON for all types of magnetron connectors for vital military or commercial equipment. Complete facilities for the design and production of "specials" and other precision components including sockets and cable assemblies.

Magnetron Input Connector Cat. 9000-C

Fits 4J52A and similar Magnetrons. Features floating heater contact, eight prong heater-cathode contact of silver plated, heat treated beryllium copper. Molded silicone encloses metal body.

Magnetron Input Connector Cat. 9005-C

Fits 4J52A and similar Magnetrons. Features identical to Cat. 9000-C. In addition has 75 mil thick silicone insulated cables for higher potential applications. Made with 4700 $\mu\mu f$ built-in capacitor.

Magnetron Input Connector Cat. 9040

One of the many "Specials" Jettron has made. Basic Input Connector with floating heater contact. Supplied with or without bypass capacitor. Normally potted to the magnetron input end.

Magnetron Input Connector Cat. 9050

Fits Miniature Magnetrons such as L-3028B. Beryllium copper heater and cathode contacts assure dependable contact. Silicone cup fits snugly over magnetron input end. Leads insulated with silicone.

Magnetron Input Connector Cat. 9060

Fits Miniature Magnetrons such as L-3028B. Features similar to Cat. 9050 but supplied less silicone enclosure. Leads extend axially from body of connector. Normally potted to magnetron input end.

Call or write for bulletins on special sockets, magnetron and other connectors

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Sales Engineers in Principal Cities

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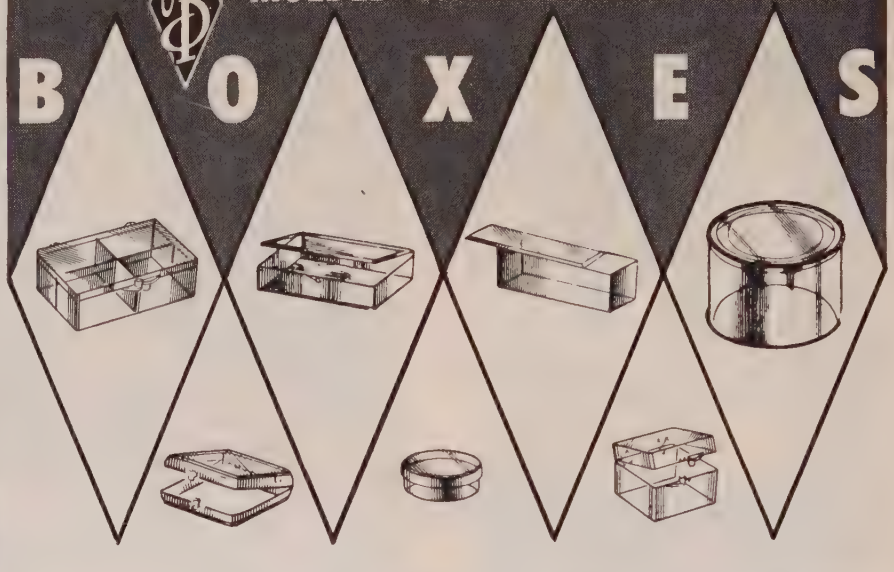

We offer you all size boxes . . . all shapes . . . all types — with, without covers; hinged; sectionalized . . . available from stock. On volume orders, we'll build the mold to your specifications at no cost to you.

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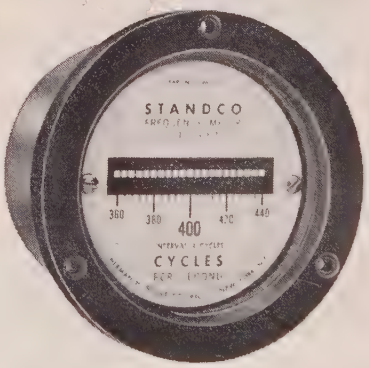

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3½" and 2½" Sizes
Meeting all MIL Specs

Normal Frequencies
25, 50, 60 or 400 Cycles
Special Ranges
from 15-1500 cycles

ALSO IN OTHER TYPES

PANEL MOUNTING: 3½" Flush Bakelite.
SWITCHBOARD MOUNTING: 7¼" round surface, or 4½" square semi-flush cases.
PORTABLES: in large or small cases.

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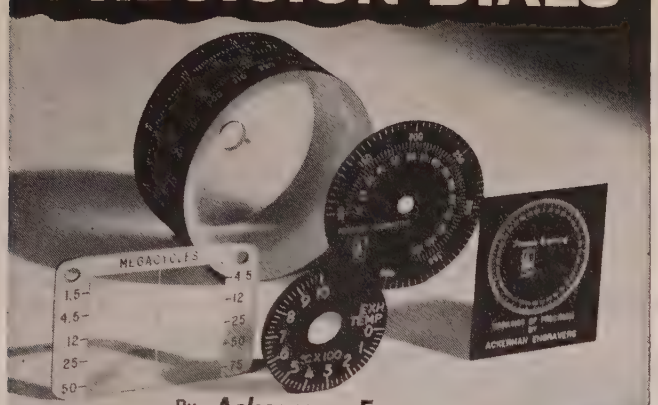

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STOCK DIALS. In many sizes and styles, calibrated and engraved to close tolerance. Stocked for your convenience.

SAVE DESIGN TIME — Send for Standard Dial Catalog.

PROCESS ENGRAVING. Process Engraving is a Photocontact Process which will produce dials in short or long run production, to an accuracy of 2' minutes of arc.

SURE ACCURACY — Send for Process Engraving Folder.

MECHANICAL ENGRAVING. Most modern engraving and machine shop facilities, automatic tooling for accuracy and speed, produced by a skilled and experienced personnel.

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EDGELIGHTED PANELS. Dialglo 1211 — Produced by Photocontact (Process Engraving) meets all requirements of MIL-P-7788 Approved by Bureau of Aeronautics.

BEST FOR ILLUMINATION — Send for Dialglo 1211 Folder.

Whatever your Dial specification, stock or custom consult Ackerman Engravers.

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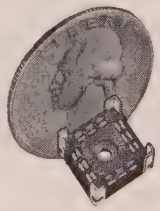
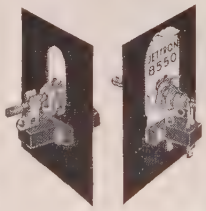
...FROM DESIGN TO PRODUCTION

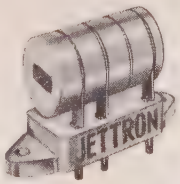
Jettron is fully-equipped to design and manufacture your precision electronic components including connectors, sockets and cable assemblies. Call or write Jettron for quotations on "specials" for all commercial and military applications.



CD-7140 — Printboard Application Socket for R.C.A. Micromodule. Measures only .400 maximum square by .094 high. Insulation resistance greater than 50,000 megohms. Employs silver plated beryllium copper contacts and DIALL FS-5 insulating material.



CAT. 8550—Ultra High Frequency Socket for the G.E. GL-6299 Triode is sold in kit form containing all the necessary parts for mounting by the customer on a chassis barrier. It provides excellent isolation of the input from the output.



CAT. 8715—Ultra-High Temperature Socket for G.E. 7296 Triode can be soldered to printboard or mounted above or below a chassis. High Alumina insulating material; contacts gold plated Inconel-X. For continuous operation at 1000° F (538° C).

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Sales Engineers in Principal Cities

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QUALITY BUILT MINIATURE LAMPS
for all purposes

LAMPS FOR:

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- *Flashlights, Lanterns*
- *Appliances, Industrial Equipment*
- *6-8 Volt, 12-16 Volt Automotive and Motor Coach Lamps*

Whether your requirements call for a standard type miniature lamp, or if a special lamp for some new product development is needed, Chicago Miniature Lamp Works is a dependable source of supply.

In addition to many years of experience in its field, this company has the engineering "know-how" and the facilities to produce any style or size of miniature lamp. The standard or conventional miniature lamps are available in more styles than offered elsewhere, and in any quantities.

Chicago Miniature Lamp Works will be your most dependable source of supply for all your miniature lamp requirements.

1910 — 1960

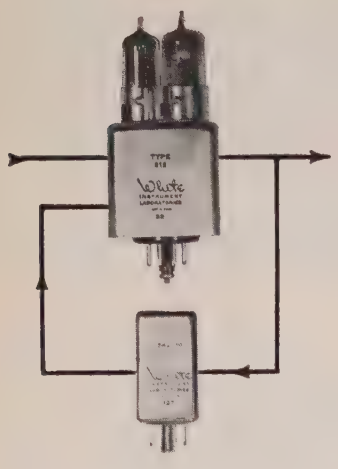
Typical lamps especially designed and produced by Chicago Miniature Lamp Works.

Shown in this illustration are several models of each of two lamps especially engineered by Chicago Miniature Lamp Works to perform a specific function for which standard lamps proved inadequate. Available for voltage ranging from 1.35 V to 28.0 V and with several types of base as shown, these lamps have a life expectancy that varies from 30 hours to an extremely long life approaching infinity.

CHICAGO MINIATURE LAMP WORKS

1504 No. Ogden Ave. *Phone: Mohawk 4-1741* **Chicago 10, Ill.**

filters networks



ACTIVE FILTERS Plug-in amplifier-feedback network pairs for use as filters or bandpass amplifiers. Widely used where LC filter sections are impractical. Available with tuned circuit response Q to 40, center frequency 1 cps to 500 cps, bandpass response with center frequency 5 to 500 cps. Ask for bulletin 212, 572.

TWIN-T NETWORKS For harmonic rejection, low-pass filtering, feedback circuits. Hermetically sealed, stable, plug-in or stud-mounted. Null frequencies 1 cps to 50 kc, wide range of impedance levels. Ask for bulletin 500.

TOROIDAL WAVE FILTERS Hermetically sealed LC filters with stable toroidal inductors. Low, high, bandpass models available over wide impedance and frequency ranges. Stud-mounting and plug-ins. Stock and special designs such as interstage filters. Ask for LC bulletins.

Complete engineering service for special filter and network designs. Instrumentation and control problems invited. Manufacturing facilities for prototypes or a thousand units. Fast delivery at competitive prices. Let us put you on our mailing list for our "Network Notes" and technical bulletins.

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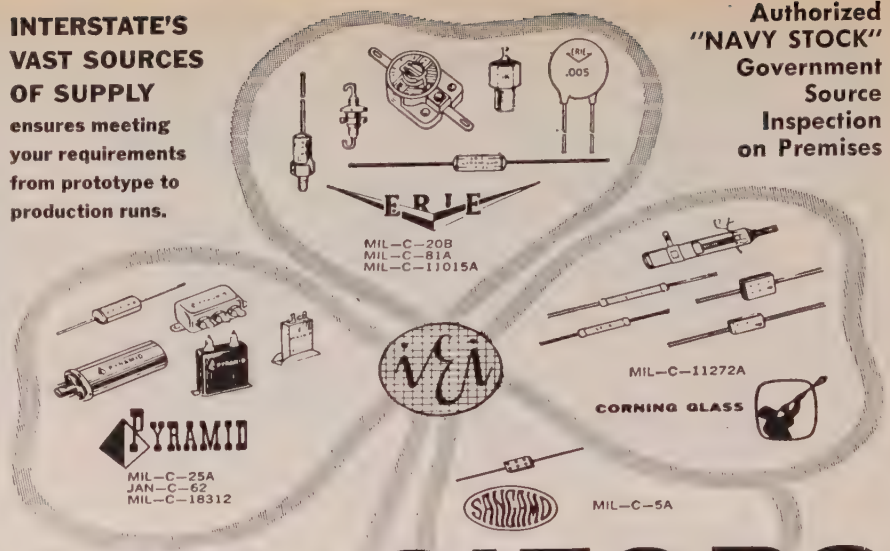

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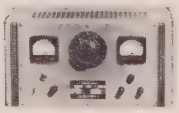

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INPUT: 115 Volts AC 60 cycles, 1 phase
OUTPUT: 0-30 Volts DC, 0-10 Amperes D.C. continuous duty
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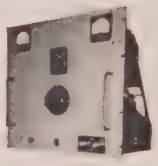

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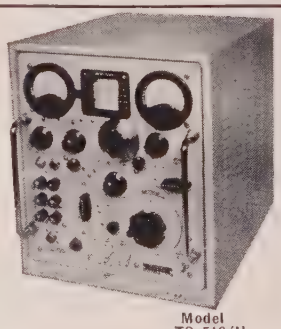

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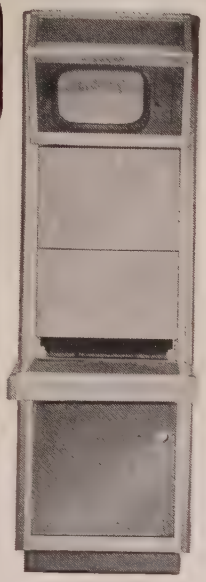

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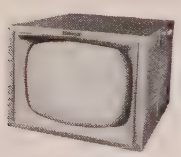

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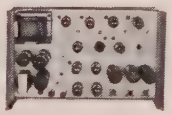

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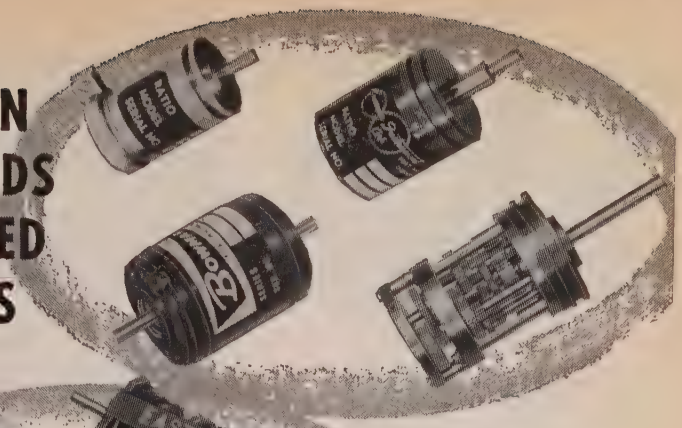

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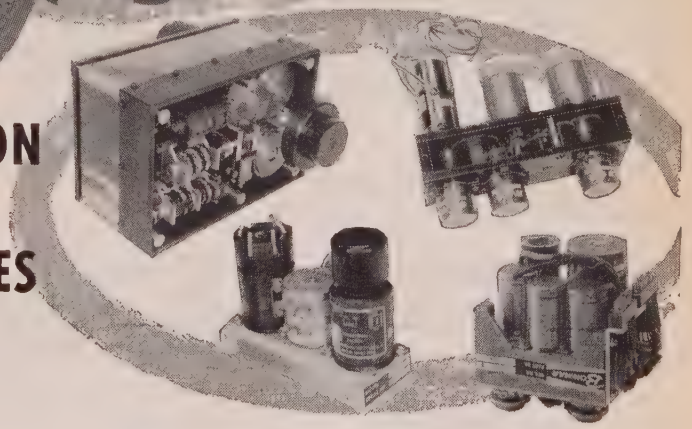

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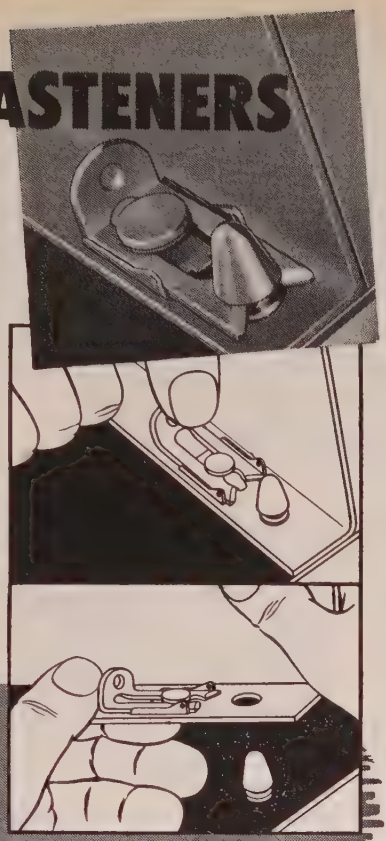

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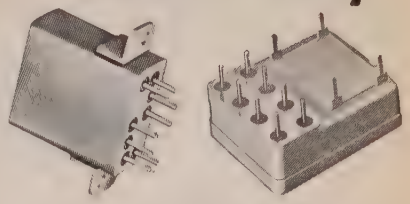
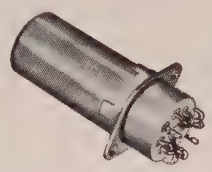


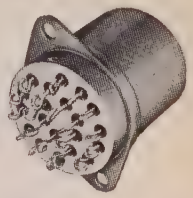
MICRO-MINIATURE

Style 6
Lightweight, crystal can type relay is simple, reliable and versatile. Ideal for miniaturized assemblies. Termination can be provided to meet most requirements.

Style 6A
Designed specifically for use in printed circuitry. Installed height is approximately 0.44". Meets applicable portions of MIL-R-5757C and MIL-R-25018 (USAF) Class B, Type II, Grade 3.



SUB-MINIATURE
Style 506
For Low Level Circuits and General Purpose use. Meets requirements of MIL-R-25018. Available with solder or plug type termination.



MINIATURE
Style 520
A 6 PDT General purpose relay of simple design and high reliability. Available with isolated contact chamber for low level circuitry use. Meets the following MIL specifications and drawings:
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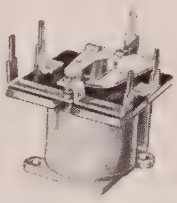
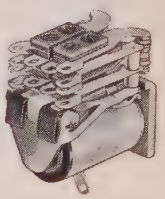
MIL-R-25018 (USAF)
MS 24115-6 (USAF)
Class B, Type II, Grade 3.



GENERAL PURPOSE
Style 1005
A reliable single-pole, double-throw relay for printed circuitry. Simplified design makes it ideal for television and automotive control circuits.



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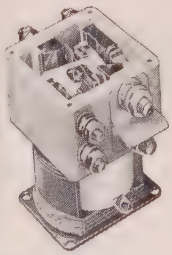

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New series with bifurcated contacts. Provides high contact reliability. Ideal for computer circuitry. Available in standard voltages. Contact combinations to 6 PDT.

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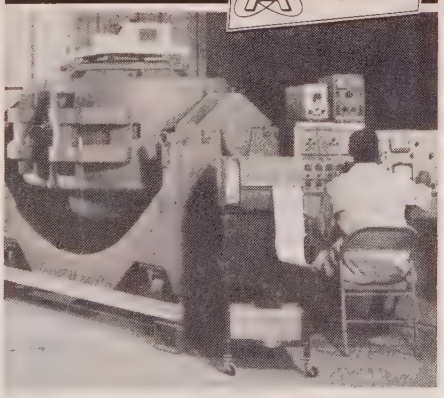

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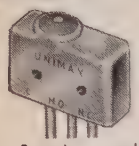
Write for catalog 159.

ENVIRONMENT-FREE SUBMINIATURE SWITCH



UNIMAX EA-1 — Sealed in an epoxy casting resin, in a corrosion-resistant aluminum case, with an elastomer plunger-seal bonded to the operating pin and the case. Operates completely immersed in liquids, also at high altitudes. Electrical rating: 5 amp. 125/250 volts a-c; 5 amp. 30 volts d-c, resistive; 3 amp. 30 volts d-c, inductive. Write for catalog 159.

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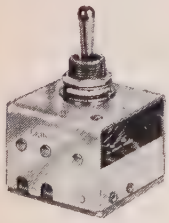
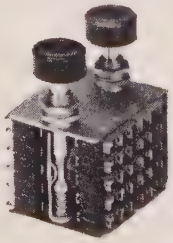
Unimax subminiature switches can be furnished, singly or in multi-switch groupings, with special actuators, special housings, special mountings, and a wide variety of connecting leads or terminals, to suit your operating and installation requirements, including MIL and UL specifications.



Example: 5-position, 4-way toggle-switch assembly gangs four pairs of USM switches for DPDT action in each position. Operating handle is normally in center position, to which it is spring-returned from each of the four operate positions.



Example: Double-push-button control unit gangs 20 USM switches to give 10-pole double-throw action with black button and 20-pole double-throw action with red button. We welcome your inquiries on special subminiature-switch applications.

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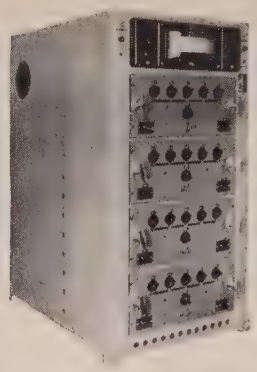

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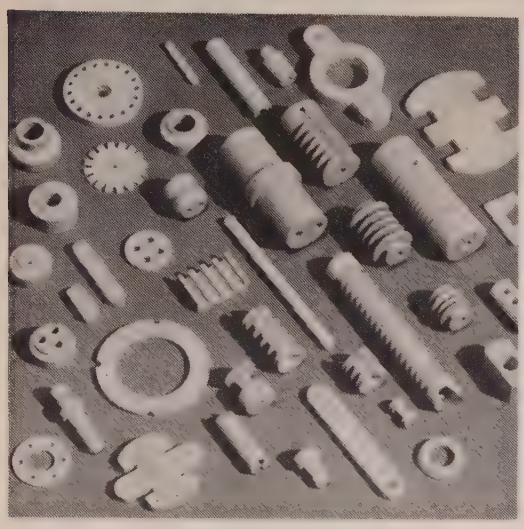

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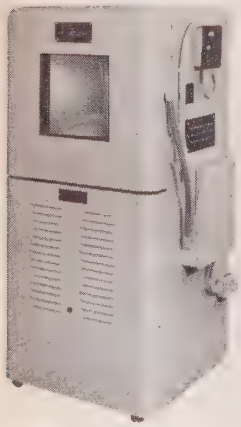

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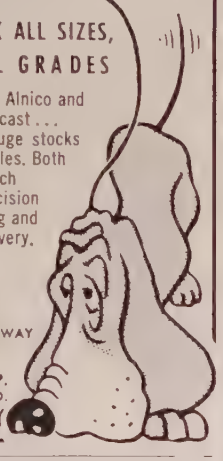

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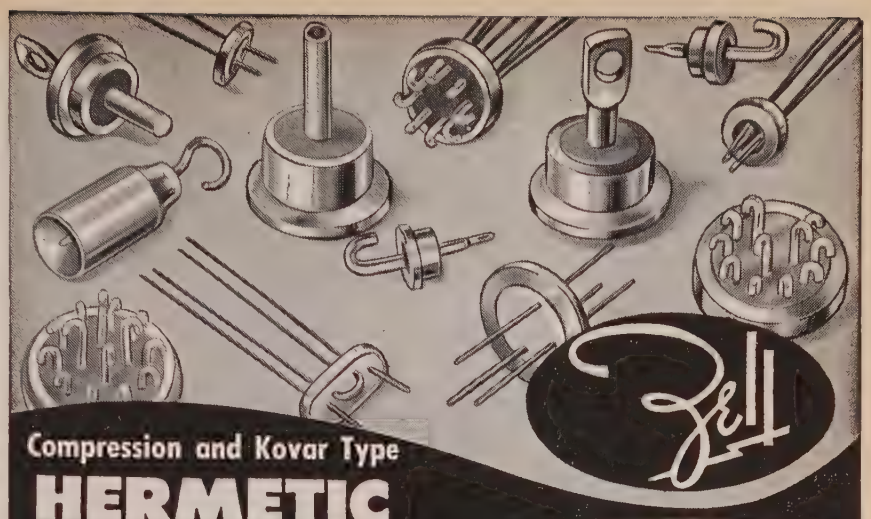

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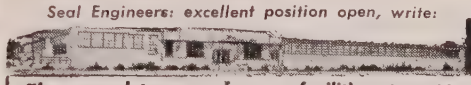

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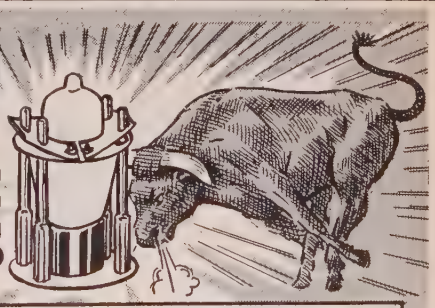

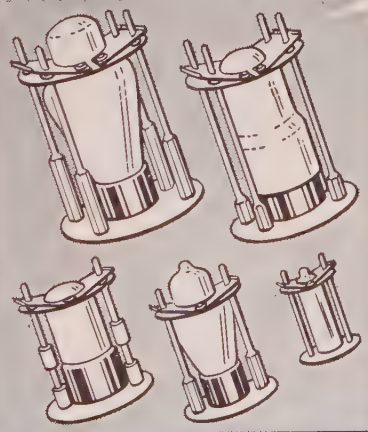

These retainers are used to secure Vacuum Tubes and to resist side motion of Vacuum Tubes used in radio equipment which is subject to shock and vibrations. These retainers meet the requirement of all JAN specifications. The insulated portion is made of a melamine base Fibre Glass Phenol which provides 300 volts insulation to ground and withstands a temperature of 350 F. The insulated plate can readily be fastened or released by hand.

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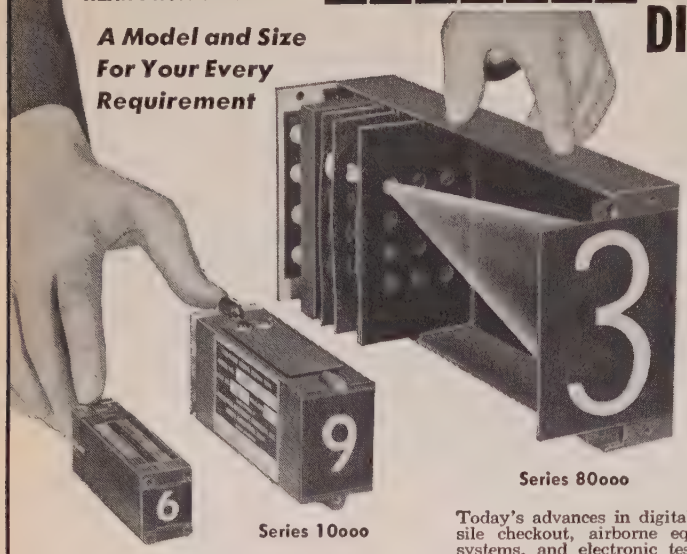

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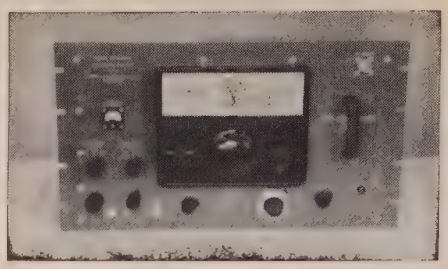

The successful introduction of the PG-650 pulsed oscillator to many test applications has led to an improved model of interest to workers in ultrasonics, r.f. transient analysis, nuclear magnetic resonance, etc. The following characteristics and features are available only with the PG-650-C.

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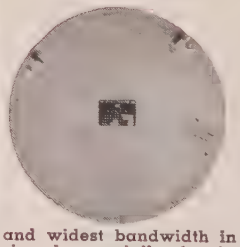

Advanced designs in solid delay lines has been the feature of ARULAB products. This organization has always been the leader in a highly competitive field in improving the performance in all respects. The model shown has the lowest secondary level and widest bandwidth in history and was designed especially for integration applications

SPECIFICATIONS:

Delay time ..... 900 usec
Average Max. Secondary level ..... 70 db
Triple Travel level ..... 60 db
Bandwidth for Operation ..... 10 MC
Center Frequency ..... 40 MC
3 db Bandwidth ..... 20 MC
Size ..... 14½" diam. x 1"

Model "C" Miniaturized Line

The Model "C" series delay lines were developed to reduce the weight and cost of the longer delays needed for radar applications. These units represent a 20% reduction in diameter and 40% in weight over older models. Typical Specications:

Delay time ..... 1500 usec
Center Frequency ..... 32 MC
Bandwidth 3 db ..... 20 MC
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Max. Secondary level—5 MC-BW ..... 43 db
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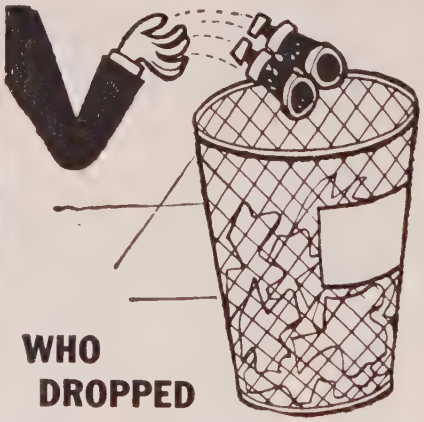

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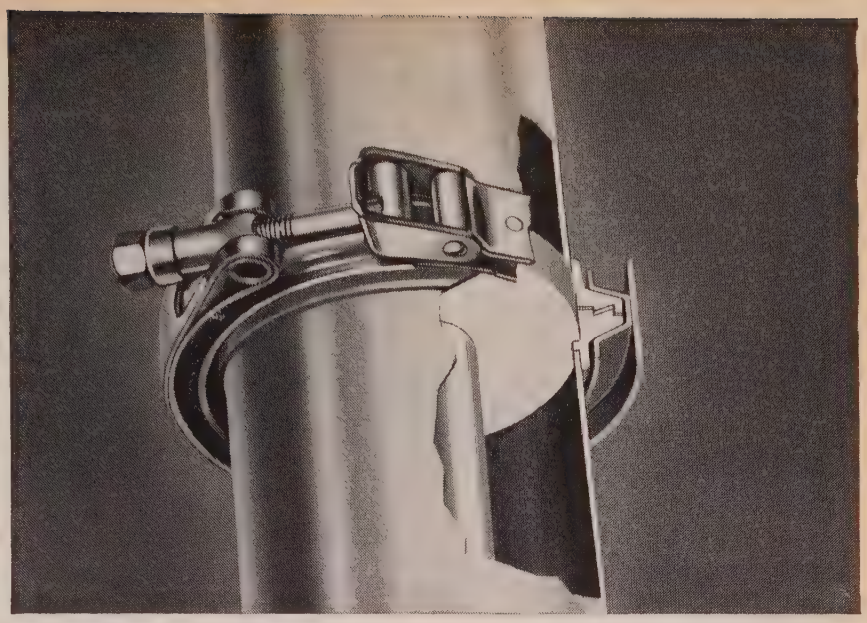

MARMAN All-Metal Tube Joints Simplify Connection of Coaxial Lines

Marman V-Band Tube Joints are designed to provide quick connection of rigid coaxial lines and to eliminate radio frequency leakage. They assure full metal-to-metal seal even when subject to slight deflection or vibration. Lightweight and compact, these joints provide substantial weight savings over standard E.I.A. bolted flanges.

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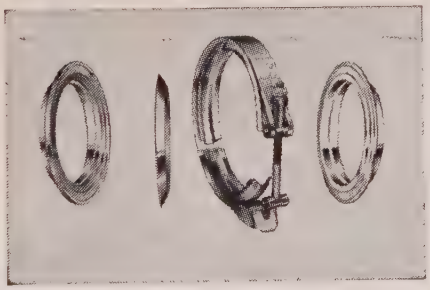

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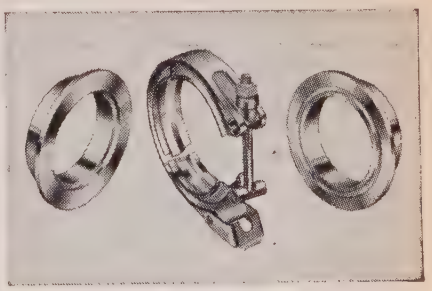

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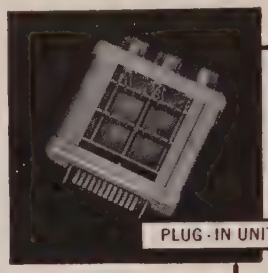

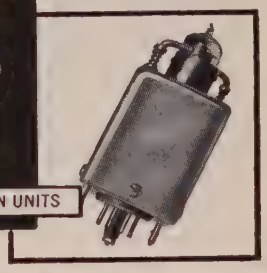

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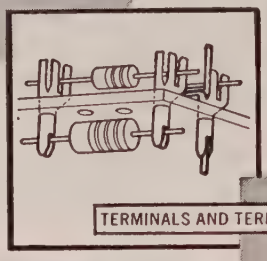

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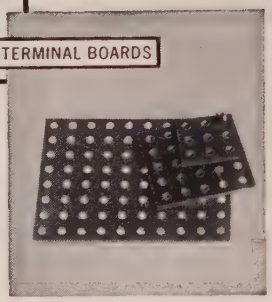

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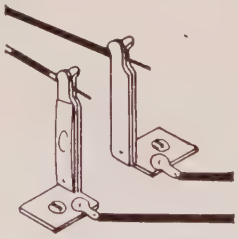

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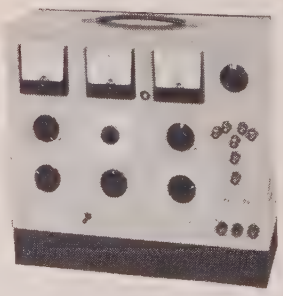

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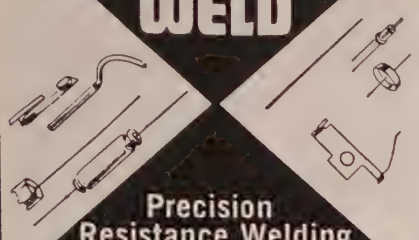

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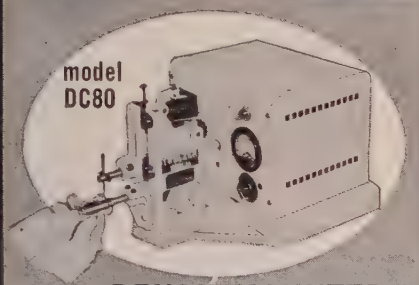

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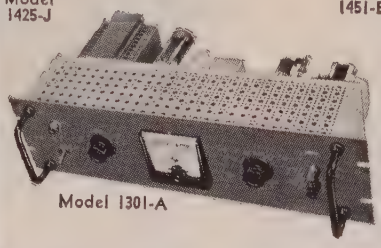

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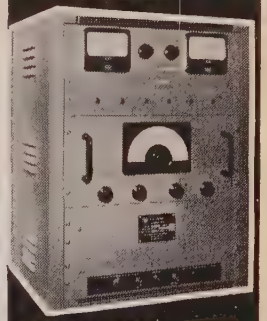

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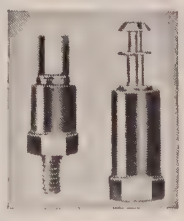

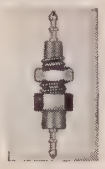

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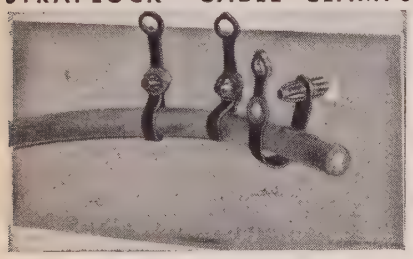

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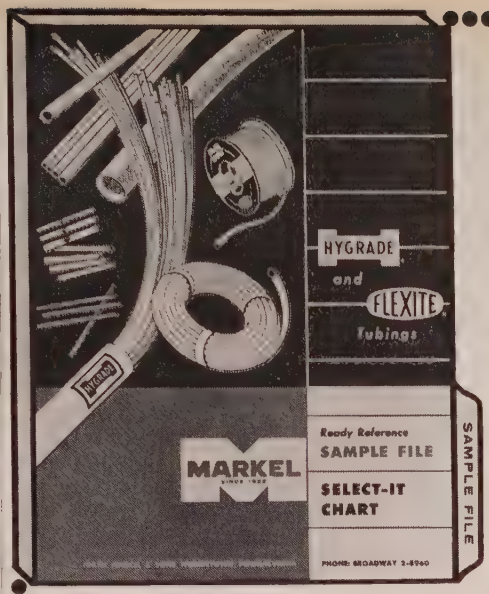

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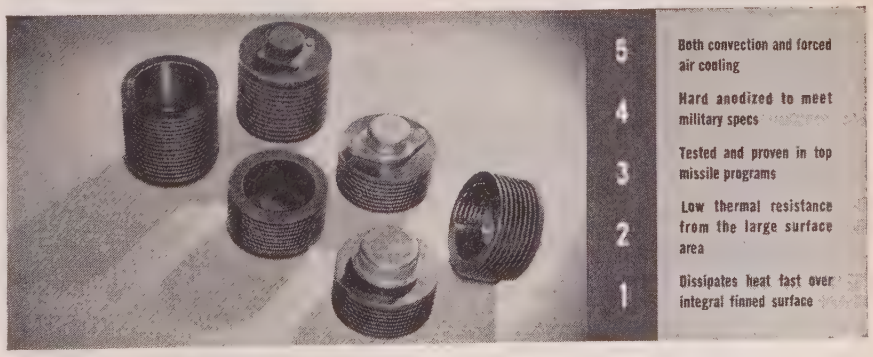

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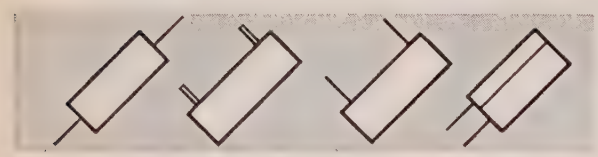

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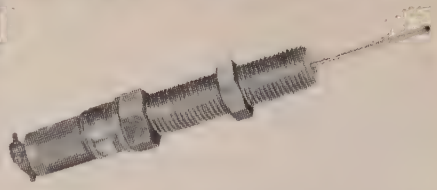

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1	26	51	76	101	111	121	131	141	151	161	171	181	191	201	226	251	276
2	27	52	77	102	112	122	132	142	152	162	172	182	192	202	227	252	277
3	28	53	78	103	113	123	133	143	153	163	173	183	193	203	228	253	278
4	29	54	79	104	114	124	134	144	154	164	174	184	194	204	229	254	279
5	30	55	80	105	115	125	135	145	155	165	175	185	195	205	230	255	280
6	31	56	81	106	116	126	136	146	156	166	176	186	196	206	231	256	281
7	32	57	82	107	117	127	137	147	157	167	177	187	197	207	232	257	282
8	33	58	83	108	118	128	138	148	158	168	178	188	198	208	233	258	283
9	34	59	84	109	119	129	139	149	159	169	179	189	199	209	234	259	284
10	35	60	85	110	120	130	140	150	160	170	180	190	200	210	235	260	285
11	36	61	86											211	236	261	286
12	37	62	87											212	237	262	287
13	38	63	88											213	238	263	288
14	39	64	89											214	239	264	289
15	40	65	90											215	240	265	290
16	41	66	91											216	241	266	291
17	42	67	92											217	242	267	292
18	43	68	93											218	243	268	293
19	44	69	94											219	244	269	294
20	45	70	95											220	245	270	295
21	46	71	96											221	246	271	296
22	47	72	97											222	247	272	297
23	48	73	98											223	248	273	298
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2	27	52	77	102	112	122	132	142	152	162	172	182	192	202	227	252	277
3	28	53	78	103	113	123	133	143	153	163	173	183	193	203	228	253	278
4	29	54	79	104	114	124	134	144	154	164	174	184	194	204	229	254	279
5	30	55	80	105	115	125	135	145	155	165	175	185	195	205	230	255	280
6	31	56	81	106	116	126	136	146	156	166	176	186	196	206	231	256	281
7	32	57	82	107	117	127	137	147	157	167	177	187	197	207	232	257	282
8	33	58	83	108	118	128	138	148	158	168	178	188	198	208	233	258	283
9	34	59	84	109	119	129	139	149	159	169	179	189	199	209	234	259	284
10	35	60	85	110	120	130	140	150	160	170	180	190	200	210	235	260	285
11	36	61	86											211	236	261	286
12	37	62	87											212	237	262	287
13	38	63	88											213	238	263	288
14	39	64	89											214	239	264	289
15	40	65	90											215	240	265	290
16	41	66	91											216	241	266	291
17	42	67	92											217	242	267	292
18	43	68	93											218	243	268	293
19	44	69	94											219	244	269	294
20	45	70	95											220	245	270	295
21	46	71	96											221	246	271	296
22	47	72	97											222	247	272	297
23	48	73	98											223	248	273	298
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"DISTRIBUTORS" ADVERTISERS INDEX

Classification of products normally stocked by "DISTRIBUTOR" advertisers in this issue

1 Amateur Equipment and Components
2 Audio Equipment and Components
3 Cabinets, Enclosures and Panels
4 Cable and Wire
5 Capacitors
6 Chassis and Racks
7 Connectors
8 Control Equipment
9 Equipment, Aircraft, Ground, Electrical, Electronic, Test
10 Inspection Equipment, Optical, Mechanical
11 Meters—(test and panel)
11A Plastic, Sheets, Rods, Tubes, Films
12 Plugs, Jacks and Sockets
13 Potentiometers
14 Power Supplies
15 Receivers
16 Rectifiers
17 Relays and Timers
17A Resin, Plastic, Polyester, Epoxy
18 Resistors
19 Switches
20 Terminals, Boards and Hardware
21 Test, Measuring & Precision Instruments
22 Transformers, Chokes, and Filters
23 Transistors
24 Transmitters
25 Tubes, Electronic
26 Tubes, Receiving
27 Tubes, Transmitting and Special Purpose

The numbers after the advertiser's name, indicates the products offered by the advertiser

ADVERTISER	PAGE NO.	KEY TO PRODUCTS See Classifications Above
A & M INSTRUMENT SERVICE	578	11,21
ADELPHIA ELECTRONICS	579	3,4,5,6,7,8,11,12,13,14,15,17,18,19,20,21,22,23,26,27
ALMAC PLASTICS	574	11A,17A
ARROW ELECTRONICS, INC.	573	1,2,3,4,5,6,7,8,11,12,13,14,16,17,18,19,20,21,22,23,26,27
ATLAS ELECTRONICS	576	4,5,6,7,8,11,12,13,17,18,19,20,21,22,23,26,27
AVNET ELECTRONICS CORP.	571	1,2,3,4,5,6,7,11,12,13,16,17,18,19,20,21,22,23,26,27
BARRY ELECTRONICS CORP.	580	5,9,15,16,23,24,25
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BOND RADIO INC.	576	1,3,4,5,6,11,12,13,18,19,21,22,23,26,27
BRUNO-NEW YORK, INC.	572	2,3,4,5,6,7,11,12,13,14,16,17,18,19,20,21,22,23,26,27
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KIERLUFF ELECTRONICS, INC.	579	1,2,3,4,5,6,7,8,11,12,13,16,17,18,19,20,21,22,23,26,27
LAFAYETTE RADIO CORP.	578	1,2,3,4,5,6,7,8,11,12,13,14,16,17,18,19,20,21,22,23,26,27
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MILO ELECTRONICS CORP.	577	1,2,3,4,5,6,7,8,11,12,13,14,16,17,18,19,20,21,22,23,26,27
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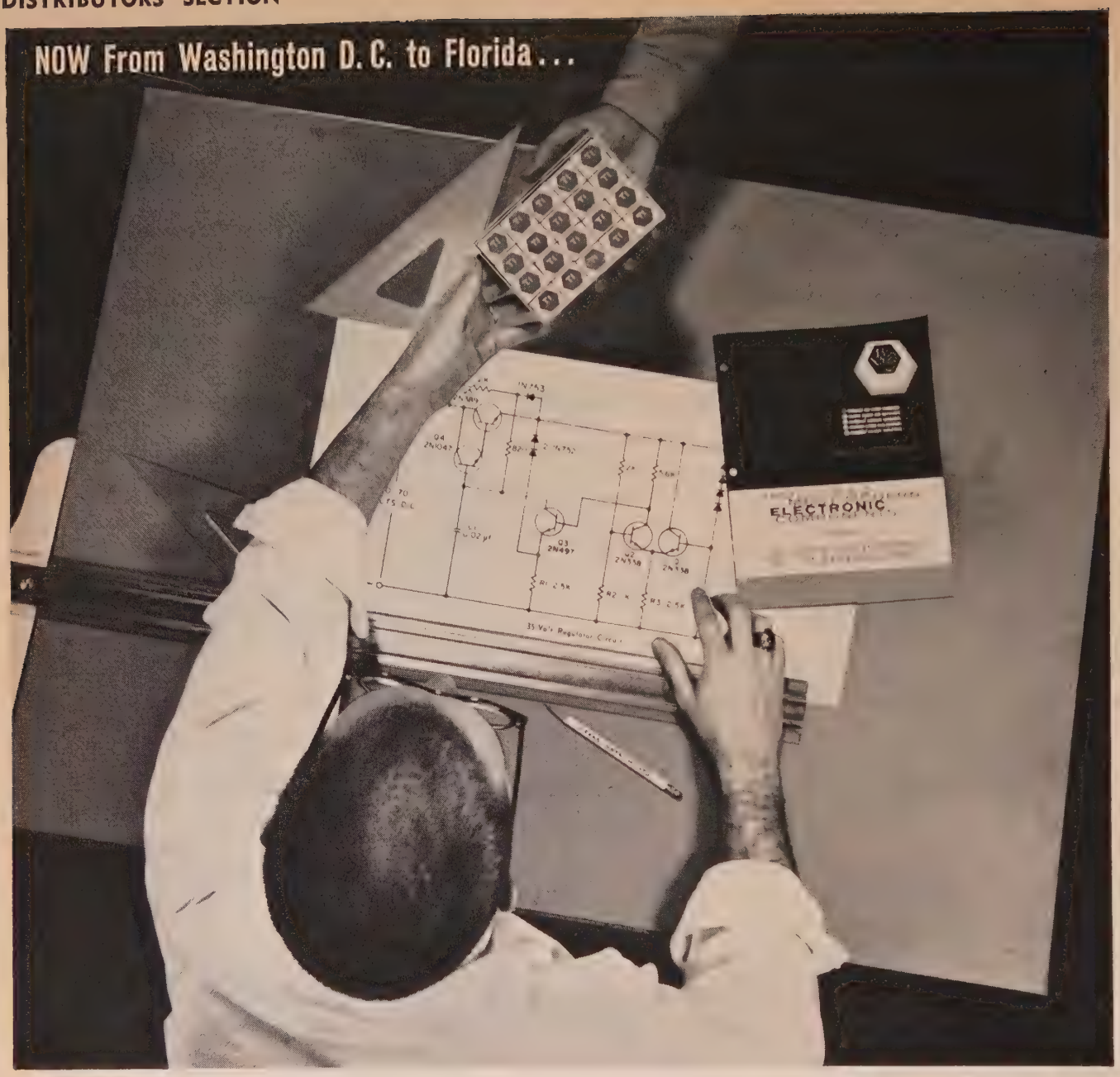
WESTCHESTER ELECTRONIC SUPPLY CO., INC.	578	1,2,3,4,5,6,7,11,12,13,14,16,17,18,19,20,21,22,23,26,27
WESTERN INTERNATIONAL CO.	576	7



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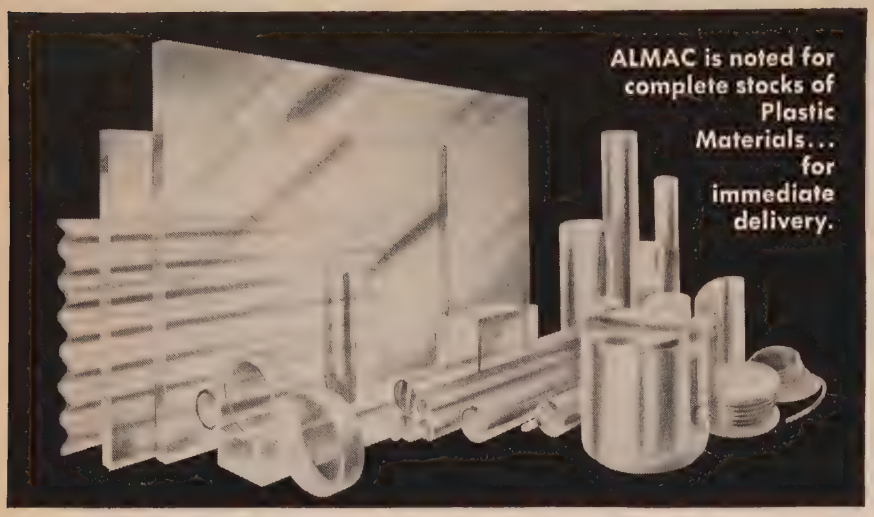

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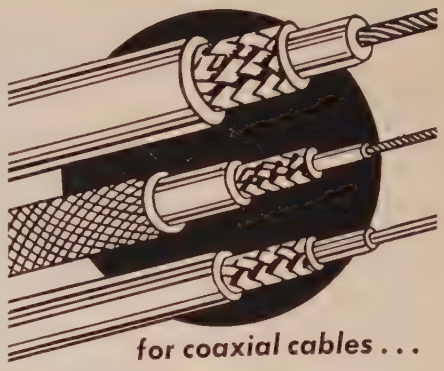

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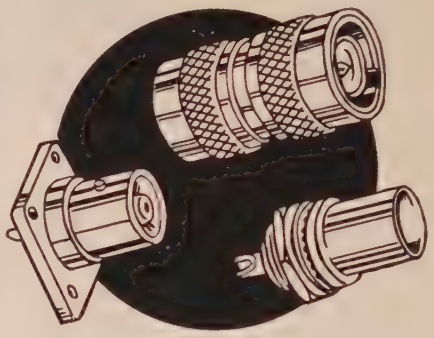

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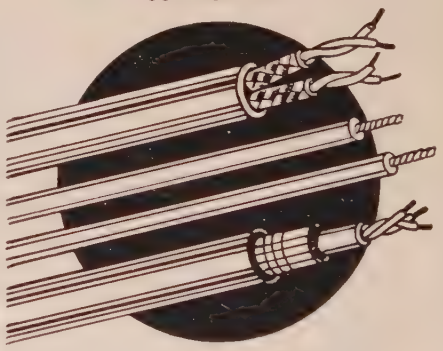

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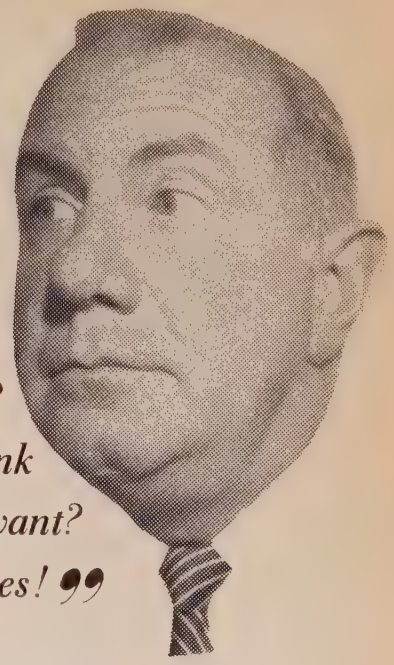

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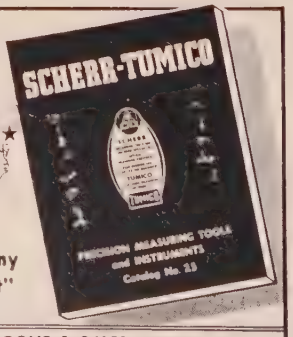

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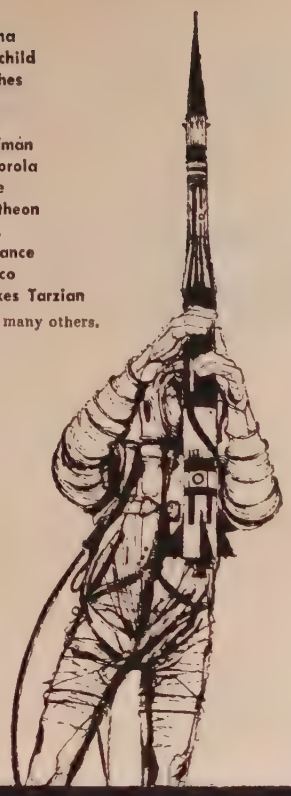

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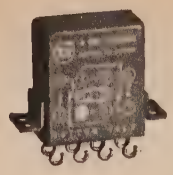

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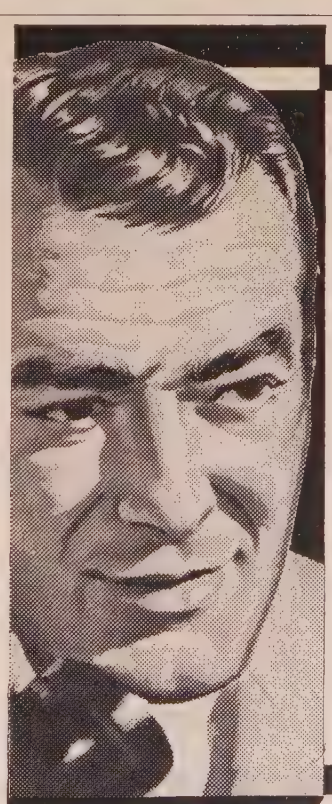

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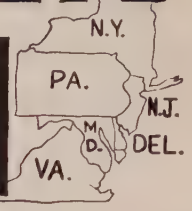

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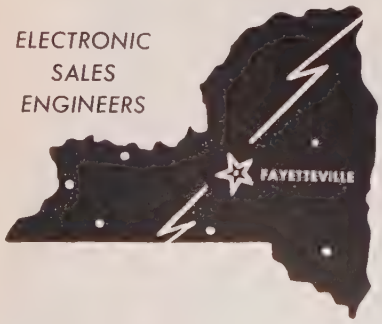

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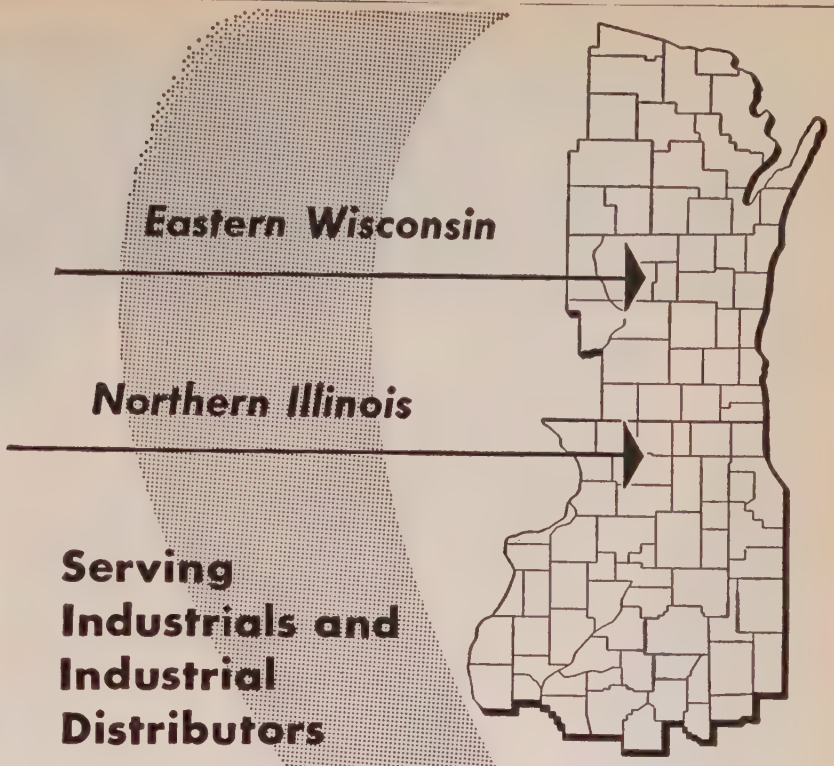

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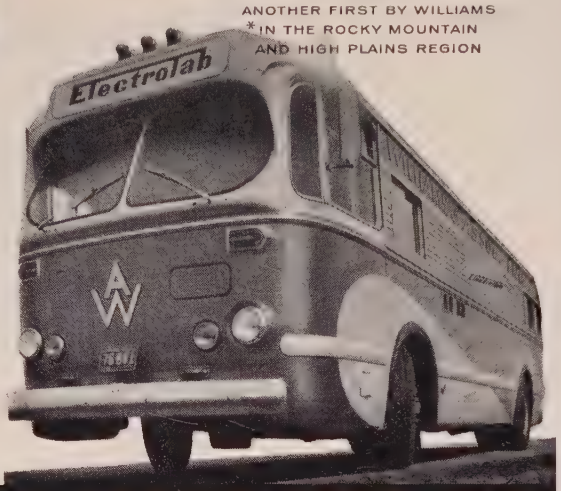

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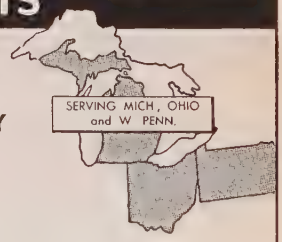

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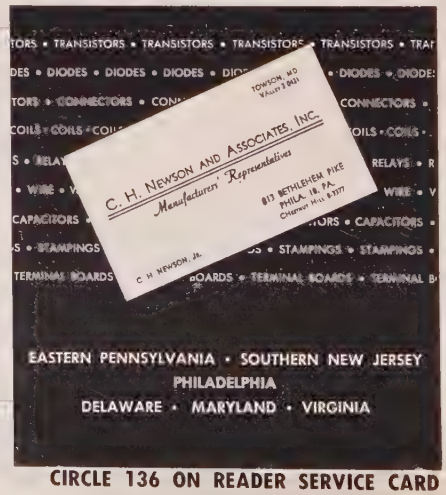

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RADIONIC PRODUCTS CO	602	1, 2, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 19, 20, 22, 24, 25, 27, 28, 30, 31, 33, 34, 35
RADIO RESEARCH INSTRUMENT CO	600	1, 4, 7, 12, 15, 20, 31, 35
RAWAY BEARING CO., INC	602	29
RED ARROW ELECTRONIC SALES CO	606	1, 2, 4, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35
SELECTRONICS	608	1, 2, 4, 5, 6, 7, 10, 12, 15, 16, 19, 20, 22, 23, 24, 25, 28, 30, 31, 33, 34, 35
SOUNDTRONICS LABS	600	1, 10, 12, 13, 15, 19, 20, 23, 24, 25, 27, 28, 30, 31, 34
SPARKS RADIO SUPPLY	604	1, 2, 5, 6, 7, 9, 12, 13, 15, 16, 17, 19, 20, 22, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35
STARR SURPLUS SALES	602	1, 2, 5, 6, 7, 9, 10, 12, 13, 15, 16, 17, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35
"TAB"	597	1, 2, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 17, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35
TECHNICAL SYSTEMS CORP	608	2, 7, 15, 20, 22, 29, 30, 33
TELECTRAD	606	1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35
TELEMARINE COMMUNICATIONS CO., INC	604	1, 7, 12, 22, 30, 33
UNIVERSAL RELAY CORP	601	24, 25
WESTERN ENGINEERS	600	34, 35
WILGREEN INDUSTRIES	603	5, 9, 25, 28, 29

1,000,000 TUBES

RECEIVING, TRANSMITTING & SPECIAL TUBES and TRANSISTORS IN STOCK

OA2	.75
OA3	.75
OA4G	.90
OA5	4.95
OB2	.55
OB3	.81
OC3	.35
OD3	.35
OD3W	1.95
OY4	.81
OZ4A	.68
C1A	9.00
C1B	1.75
C1K	9.00
1A3	.45
1A4	.45
1A5GT	.59
1A6	.15
1A7GT	.79
1AB5	.50
1AD4	1.95
1AE4	2.25
1B4	.79
1B5	.45
1B7G	.79
1B21	.15
1B22	1.50
1B23	6.75
1B24	6.75
1B24A	12.50
1B26	3.50
1B27	12.50
1B29	1.00
1B32	.15
1B35	2.00
1B35A	3.50
1B36	.25
1B37	25.00
1B38	35.00
1B42	4.50
1B50	12.50
1B54	27.50
1B56	4.50
1B58A	83.75
1B59	6.75
1B60	12.50
1E63	12.50
1B63A	22.50
1C/3B22	2.50
1C5GT	.59
1C6	.15
1C21	2.50
1CP1	14.50
1D5	.55
1D7G	.45
1D8GT	.55
1E5	.55
1E7G	.45
1E7GT	.55
1F5	.55
1F6	.55
1F7G	.65
1G4GT	.60
1H4G	.63
1H5GT	.54
1J6GT	.66
1L4	.42
1L6	.89
1LA4	.69
1LA6	.79
1LC5	.79
1LC6	.89
1LD5	.69
1LE3	.69
1LF3	.79
1LH4	.75
1LN5	.59
1N5GT	.82
1N21	.15
1N21A	.25
1N21B	.60
1N21C	.75
1N21D	2.75
1N22	.25
1N23A	.35
1N23B	.75
1N23C	1.75
1N23D	2.75
1N25	2.75
1N26	9.95
1N27	1.75
1N28	2.25
1N31	3.25
1N32	8.95
1N34A	.25
1N35	1.95
1N38	.35
1N38A	.55
1N43	1.95
1N44	2.95
1N45	1.95
1N46	2.95
1N48	.29
1N53	31.50
1N71	14.50
1N103	2.50
1N104	2.50
1N538	.80
1P5GT	.79
1P21	25.00
1P22	11.00
1P25	25.00
1P25A	25.00
1P28	18.00
1P39	1.50
1P41	1.75
1P42	9.25
1O5GT	.79
1O22	9.50
1R4	.45
1R5	.69
1S4	.69
1S5	.69
1S22	3.00
1T4	.59
1T5GT	.69
1U4	.15
1V	.45
1Z2	1.25
2-250A	4.50
2A3	1.39
2A4G	1.25
2A5	1.50
2A6	.90
2A7	.70
2AC15	3.50
2AP1	1.75
2AP1A	3.50
2AS15	4.50
2B4	.89
2B7	.81
2B21	1.25
2B22	1.00
2B26	.86

2B35	.79
2B36	.89
2BP1	14.50
2BP11	15.75
2C21	.20
2C22	.10
2C23	.35
2C25	.35
2C26A	.35
2C33	.90
2C34	.15
2C39	4.50
2C39A	9.50
2C39B	19.50
2C40	17.50
2C40A	19.50
2C41	29.50
2C42	6.75
2C43	11.00
2C44	.50
2C45	.50
2C46	6.00
2C51	2.50
2C51W	4.50
2C52	2.50
2C53	10.00
2D21	.96
2D21W	1.20
2D29	.90
2E5	.80
2E22	3.00
2F21	180.00
2G21	1.50
2J21A	6.95
2J22	12.50
2J26	12.50
2J27	12.50
2J30	27.50
2J31	12.50
2J32	12.50
2J33	12.50
2J34	12.50
2J36	24.00
2J38	12.50
2J39	12.50
2J40	27.50
2J41	55.00
2J42	55.00
2J42A	90.00
2J48	12.50
2J49	12.50
2J50	12.50
2J51	99.00
2J51A	150.00
2J55	145.00
2J56	60.00
2J56A	96.00
2J61	12.50
2J61A	27.50
2J62	12.50
2J62A	27.50
2K22	15.00
2K23	15.00
2K25	12.50
2K26	33.00
2K28	27.00
2K29	29.50
2K33A	150.00
2K39	135.00
2K41	99.00
2K42	180.00
2K43	180.00
2K44	180.00
2K45	60.00
2K48	50.00
2K50	100.00
2K54	12.50
2K55	19.50
2K56	50.00
2V3G	1.20
2X2	.25
2X2A	1.20
3A4	.50
3A5	.60
3A8GT	.45
3AP1	2.50
3AP1A	12.50
3B4	1.50
3B7/1291	.35
3B22	1.75
3B23	7.50
3B24	1.50
3B24W	4.50
3B24WA	7.50
3B25	4.25
3B26	1.75
3B27	2.75
3B28	3.95
3B29	3.50
3BP1	1.95
3BP1A	3.75
3C22	35.00
3C23	7.50
3C24	2.95
3C25	4.75
3C27	12.50
3C31/C1B	1.75
3C34	2.25
3C45	5.50
3CP1	2.75
3D6/1299	.45
3D21A	3.75
3D22	14.50
3DP1	2.50
3DP1A	7.50
3DP1S2	7.50
3E29	12.50
3EP1	2.50
3FP7	2.50
3FP7A	9.50
3GP1	3.50
3GP1A	4.75
3J21	45.00
3J30	75.00
3J31	70.00
3JP1	10.00
3K21	180.00
3K30	180.00
3LF4	.96
3Q4	.55
3Q5GT	.72
3RP1	12.50
3RP1A	19.50
3V4	.70
VT4C	.75
4A21	1.50
4B22	2.50
4B26	3.00
4B28	3.00
4B33	24.00
4C25	4.50
4C27	9.00
4C28	20.00

4C30	1.25
4C35	16.00
4C35A	23.00
4D21	21.00
4E27	9.50
4J21	25.00
4J22	25.00
4J23	25.00
4J24	25.00
4J25	25.00
4J26	25.00
4J27	25.00
4J28	25.00
4J29	25.00
4J30	35.00
4J31	135.00
4J32	105.00
4J33	95.00
4J34	95.00
4J35	105.00
4J36	105.00
4J37	105.00
4J38	81.00
4J39	105.00
4J40	75.00
4J41	175.00
4J42	175.00
4J45	75.00
4J46	75.00
4J47	75.00
4J50	135.00
4J51	57.00
4J52	35.00
4J52T	350.00
4J57	175.00
4J59	175.00
4J62	125.00
4J63	125.00
4J78	150.00
4X150A	12.00
4X250F	25.00
5A6	1.00
5B	2.50
5FP7	1.00
5FP7A	7.50
5ABP1	27.50
5ABP7	27.50
5AP1	4.50
5AP4	4.50
5AZ4	.60
5BP1	5.00
5BP4	5.00
5C22	20.00
5CP1	1.75
5CP1A	12.50
5CP12	12.50
5D21	7.50
5FP14	15.00
5HP1	5.50
5J26	150.00
5J29	7.50
5J30	7.50
5J32	7.50
5JP1	15.00
5JP1A	45.00
5JP2A	12.50
5JP4	12.50
5JP7	45.00
5LP1	15.00
5LP5	15.00
5LP11	15.00
5MP1	10.00
5R4GY	1.25
5R4WGY	4.25
5RP1A	15.00
5RP11A	75.00
5SP7A	35.00
5T4	1.00
5TP4	45.00
5UP1	14.00
5V4G	.79
5W4	1.00
5W4GT	.69
5WP11	60.00
5WP15	60.00
5X4G	.50
5XP1A	110.00
5XP11	75.00
5XP11A	135.00
5Y3G	.50
5Y3WGT	1.75
5Y3WGTA	1.95
5Y3WGTB	3.00
5ZP16	60.00
5Z4	1.25
C6A	1.75
6A3	4.95
6A4	1.00
6A5	4.95
6A6	1.00
6A7	1.00
6A8	.92
6A8G	.72
6A8GT	.81
6AB5	.75
6AB7	.69
6AC5GT	.96
6AC7	.69
6AC7W	1.20
6AC7Y	1.25
6AD7	1.25
6AF4	.90
6AG5	.47
6AG7	.96
6AH6	1.20
6AJ5	.96
6AJ7	.96
6AK6	.72
6AK7	1.20
6AL5	.50
6AL5W	.79
6AL5G	6.30
6AN6	2.80
6AQ5	.59
6AQ5W	1.00
6AQ6	.79
6AR6	1.80
6AR6W	4.50
6AS6	1.25
6AS6W	1.75
6AS7G	2.95
6B4G	4.95
6B6G	1.35
6B7	.96
6B8	.90
6B8G	.47
6BA7	.69
6BF7	1.80
6BG7	1.80
6BL6	32.00
6BM6	35.00
6C4	.25
6C4W	5.50
6C4WA	2.25

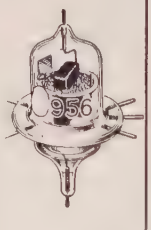
6C5	.69
6C5G	.59
6C6	.35
6C8G	.38
6C21	15.00
6D4	1.25
6D8G	.96
6E5	.69
6F4	3.50
6F5	.35
6F6	.69
6F6G	.72
6F7	.96
6F8G	.35
6G6G	.50
6H6	.32
6H6GT	.30
6J4	1.00
6J4WA	1.80
6J5	.45
6J5G	.35
6J5GT	.45
6J6	.35
6J6W	.96
6J7	.82
6J7G	.35
6J7GT	.50
6J8G	.79
6K4	1.10
5K4A	1.10
6K5G	.50
6K5GT	.72
6K7	.59
6K7G	.30
6K7GT	.45
6K8	.92
6K8G	.75
6K8GT	.81
6L4	4.50
6L5G	.69
6L6	1.00
6L6G	.89
6L6GA	.89
6L6GAY	1.50
6L6WGB	2.25
6L7	.75
6L7G	.45
6N6G	1.80
6N7	.72
6N7G	.45
6N7GT	.50
6P5GT	.49
6Q4	4.50
6Q5G	3.25
6Q7	.79
6Q7G	.49
6Q7GT	.60
6R7	.50
6R7G	.50
6R7GT	.50
6S7	.59
6S7G	.35
6S8GT	.86
6SA7	.69
6SA7GT	.59
6SA7Y	.96
6SB7Y	.96
6SC7	.89
6SC7GT	.69
6SD7GT	.30
6SF5	.63
6SF5GT	.60
6SF7	.69
6SG7	.45
6SG7GT	.45
6SH7	.25
6SH7GT	.35
6SJ7	.59
6SJ7GT	.55
6SJ7WGT	1.95
6SJ7GTY	2.50
6SK7	.59
6SK7GT	.45
6SK7W	.69
6SK7Y	.69
6SL7GT	.69
6SL7GTY	1.20
6SL7WGT	1.80
6SN7GT	.55
6SN7WGT	.89
6SQ7	.69
6SQ7GT	.69
6SR7	.59
6SR7GT	.45
6SS7	.55
6ST7	.69
6SU7GTY	1.25
6SZ7	.69
6T7G	.79
6U5	.72
6U6GT	.59
6U7G	.45
6V6	1.00
6V6G	.35
6V6GT	.45
6W7G	.45
6X4	.47
6X5	1.25
6X5GT	.47
6X6G	1.80
6Y7G	.45
6Z4	.45
6Z5Y	.55
6Z7	.55
6ZY5G	.55
7A4	.55
7A5	.69
7A6	.57
7A7	.63
7A8	.57
7AD7	.96
7AG7	.96
7AH7	.96
7B4	.45
7B5	.57
7B6	.63
7B7	.63
7B8	.72
7BP7	3.00
7BP7A	12.00
7C4	.15
7C5	.72
7C6	.69
7C7	.69
7C29	96.00
7E5	.45
7E6	.47
7E7	.89
7F7	.72
7F8	.79
7F8W	2.80
7G7	.57
7H7	.30
7J7	.72

7L7	.57
7N7	.72
7Q7	.69
7R7	.69
7S7	.79
7T7	.79
7V7	.79
7W7	.79
7X6	.72
7X7	.89
7Y4	.55
7ZY	.55
10BP4	15.00
X12	475.00
12A5	1.00
12A6	.38
11A6GT	.38
12A7	1.25
12A8GT	.63
12AH7GT	.63
12AL5	.55
12AT7	.63
12AU7	.59
12AU7W	1.25
12AW6	.75
12AX7	.69
12AY7	.96
12C8	.35
12DP7	25.00
12DP7A	36.00
12GP7	20.00
12H6	.45
12HP7	20.00
12J5GT	.45
12J7GT	.50
12K7GT	.50
12K8	.55
12L8GT	.20
12Q7GT	.55
12S8GT	.96
12SA7	.79
12SA7GT	.79
12SC7	.42
12SF5GT	.63
12SF7	.32
12SG7	.50
12SH7	.53
12SJ7	.52
12SJ7GT	.53
12SK7	.59
12SK7GT	.59
12SL7GT	.63
12SN7GT	.63
12SQ7	.69
12SR7	.45
12SW7	.95
12SX7GT	1.05
12SY7	1.25
12Z3	.42
X-13	195.00
14A4	.55
14A5	.63
14A7	.63
14AF7	.96
14B6	.69
14B8	.69
14C7	.69
14F8	1.25
14Q7	.69
14S7	.90
15E	1.25
15R	.30
19	.42
T20	2.50
TZ20	2.50
RX21	3.75
22	.45
23-4	.55
HK24	1.75
24A	.59
KU25	18.00
VT25A	.50
25A6	1.10
25A7	1.40
25L6	1.00
25L6GT	.63
25Z5	.56
25Z6	1.20
25Z6GT	.63
26A6	.69
26A7GT	4.25
26C6	1.50
26D6	.25
27	.45
30	.47
30 Special	.25
31	.47
32	.47
32L7GT	1.00
33	.42
34	.45
35	.25
35T	1.80
35TG	1.80
36	.55
37	.37
38	.37
RK39	1.10
41	.38
42	.56
43	1.10
45	.96
45 Special	.35
46	.55
47	1.00
48	1.25
49	.63
50	.89
UH50	1.80
50A5	.79

50B5	.62
50C5	.62
50Y6GT	.69
51	1.80
VR53	.35
55	.63
56	.47
57	.55
58	.55
59	2.50
QK59	12.50
RK60/1641	1.75
QK60	12.50
QK61	12.50
QK62	12.50
HY65	2.75
71A	.50
72	.75
73	.75
75	.75
RK75	.75
VR75	.75
76	.42
77	.35
78	.37
VR78	.75
79	.45
81	1.00
FG81A	4.50
82	.89
83	.92
84/6Z4	.45
85	.55
89	.15
VR90	.81
CV92	8.75
VR92	.75
98R	12.00
V99	1.20
100TH	4.50
VR105	.50
111H	4.50
114A	1.50
117L7GT	2.75
117N7GT	1.75
117P7GT	1.75
117Z6GT	.90
F123A	6.75
124A	.96
F129B	120.00
HF130	6.75
FG154	12.50
VT158	8.75
FG172	24.00
QK172	450.00
FP196	12.50
203A	4.50
205D	3.25
205F	2.75
211	.75
RX233	1.25
242C	10.00
249C	3.50
253	4.50
BL253	19.50
QK253	350.00
QK254	720.00
259A	3.25
262B	2.95
267B	4.75
FG271	59.00
274A	4.75
274B	.75
275A	4.50
287A	2.25
289A/UB26	2.75
GL299	2.95
ARI00	18.00
CE302	6.75
304TH	29.95
304TL	29.95
307A	.75
310A	5.50
310B	6.20
311A	6.00
311B	6.75
313C	1.75
313CA	2.75
313CC	2.75
323A	6.75
323B	11.75
327A	3.75
328A	3.75
336A	3.75
337A	4.50
338A	3.75
350A	1.50
350B	3.50
HK354	6.75
368AS	1.80
371B	1.50
388A	1.80
393A	3.50
394A	2.75
403A	.96
406A	22.50
409A	4.50
410R	180.00
HT415/5C22	22.50
WE417A	12.50
WL417A	2.75
QK428	540.00
434A	8.75
438A	1.25
446B	1.75
450TH	42.50
450TL	42.50
HK454	18.00
464A	2.80
CK502AX	1.75

CK505AX	1.75
CK507AX	1.35
CK509AX	1.35
CK510AX	1.35
CK520AX	1.35
CK527AX	1.35
CK531DX	1.35
534AX	1.35
CK542DX	1.35
CK548DX	1.35
575A	14.50
579B	7.50
KU627	9.50
HK654	24.00
700A/700D	22.50
703A	1.80
705A	1.80
706//AY/FY	17.50
707A	1.80
707B	1.95
708A	.95
714A	5.75
714AY	22.50
715A	.75
715B	2.25
715C	17.50
718AY/EY	17.50
719A	12.50
720AY/FY	24.00
721A	.40
721B	6.00
722A	1.25
723A	6.30
723/AB	7.50
724A	.40
724B	.45
725A	9.75
726A	3.50
726B	6.75
726C	19.75
728AY/GY	17.50
800	.90
803A	.45
803	1.50
804	12.50
805	4.50
806	9.00
807	1.25
807W	1.75
808	1.25
809	2.95
811	3.25
811A	3.50
812	3.25
813	10.00
814	1.75
815	3.50
826	.50
828	7.50
829B	8.00
830B	.35
832A	7.50
834	3.50
836	1.50
837	1.00
838	2.50
841	2.50
842	2.50
843	2.50
845	4.50
849	29.50
851	29.50
852	3.50
864	.35
866A	1.50
869B	35.00
872A	1.75
874	1.80
876	1.25
884	1.25
885	1.35
902A	2.50
905	3.50
906	3.50
914	96.00
917	1.00
918	1.25
919	1.50
927	1.80
931A	3.00
954	.15
955	.25
956	.25
957	.15
958A	.35
959	.75
1003	.63
1005	.50
1006	2.50
1280	.69
1291	.35
1294	.45
1299	.35
HK1554	27.50
1603	3.50
1611	1.50
1612	2.75
1613	1.50
1614	1.80
1616	.90
1620	4.50
1622	1.75
1623	1.25
1624	1.25
1625	.45
1626	.15
1629	.30
1631	1.80
1632	.60
1633	.60

1634	.60
1635	.96
1641	1.80
1642	.30
1644	.15
1649	.96
1650	1.25
1654	.75
1655	1.00
1656	3.50
1665	2.50
1689TR	1.25
VC1754	150.00
1846	70.00
1850A	125.00
1851	1.80
1852	.89
1853	.69
2050	1.25
2051	.96
5137	9.60
5516	5.00
5517	1.75
5527	150.00
5528/C6L	1.80
5551	35.00
5557	6.00
5561	29.00
5586	150.00
5591/403B	2.50
5634	4.50
5637	2.50
5638	2.50
5651	1.00
5654	1.50
5657	125.00
5670	1.00
5672	1.50
5675	7.50
5676	.75
5678	1.15
5687	1.50
5692	4.95
5693	4.50
5702	2.00
5702WA	3.00
5703	2.00
5703WA	3.00
5718	1.00
5719	1.00
5725/6AG5W	1.00
5726	1.00
5727	1.50
5744 6151	.80
5749 6BA6	.85
5750 6BE6	1.75
5751	1.50
5755/420A	6.75
5784	3.50
5792 Bomac	80.00
5794	4.50
5800	6.00
5814	.75
5814A	1.25
5819	39.60
5820	175.00
5823	1.25
5826	175.00
5829	1.00
5840	2.00
5876	8.25
5902	2.00
5933	1.95
5948	175.00
5949	1.25
5998	2.00
6004	2.50
6005	1.10
6032	15.00
6032A	108.00
6034	9.00
6038	4.00
6073	1.25
6074	1.75
6080	3.60
6082	4.00
6095	1.10
6096	1.50
6097	1.10
6098	4.50
6099	1.50
6100	2.00
6101	2.00
6111	2.50
6112	2.50
6177	65.00
6187	2.75
6189	2.00
6201	2.00
8001	9.50
8002R	35.00
8020	12.50
8021	1.75
8022	.75
8023	1.50
8025	3.25
8025A	4.50
8026	9.00
9001	1.00
9002	.70
9003	1.25
9004	.25
9005	2.50
9006	.20



If the tube you need is not listed above please ask us for it. Your inquiries invited.

MINIMUM ORDER, $25.00

Phone: WAlker 5-6000

LIBERTY ELECTRONICS, INC.

582 BROADWAY
NEW YORK 12, N. Y.
Cables: TELSERSUP

CIRCLE 201 ON READER SERVICE CARD

RADAR & MICROWAVE

TEST EQUIPMENT NEW and AS NEW

Checked Out TEST EQUIPMENT for your Laboratory and Radar needs

124 C	Airborne Instruments Co. Power Oscillator 250-2000 MC	$995.00
PIB 1	Pulse Impedance Bridge, Clegg Labs	400.00
608 A	Hewlett Packard Signal Generator	695.00
608 B	Hewlett Packard Signal Generator	750.00
400 A	Hewlett Packard VTVM	125.00
400 C	Hewlett Packard VTVM	135.00
400	Sylvania Oscilloscope	200.00
402 A	Sylvania Synchroscope	245.00
616 A	Hewlett Packard Signal Generator	1,250.00
TS10	Calibrator	35.00
TS12	Standing Wave Amplifier	195.00
TS15A	Gauss Meter	75.00
TS16	Calibrator	45.00
TS19	Calibrator	95.00
TS28	Synchroscope	150.00
TS33	WE X Band Frequency Meter	95.00
TS34	WE Synchroscope	100.00
TS34A	WE Synchroscope	150.00
TS35	WE X Band Signal Generator	95.00
TS35A	WE X Band Signal Generator	150.00
TS36	WE X Band Power Meter	90.00
TS45	X Band Signal Source	99.00
TS46	S Band Frequency Meter	45.00
TS47	WE 40-400 MC Oscillator	145.00
TS59	L Band Delay	35.00
TS61	Echo Box S Band	90.00
TS62	Echo Box S Band	125.00
TS69	Freq. Calibrator 400-1000 MCS	99.00
TS76	Test Meter	35.00
TS89	Meter Voltage Drop	99.00
TS100	Oscilloscope	75.00
TS102A	Calibrator	125.00
TS108	Load X Band	90.00
TS110	Echo Box	45.00
TS117GP	S Band Frequency Meter	325.00
TS125	S Band Power Meter	195.00
TS126	Oscilloscope	45.00
TS146	X Band Signal Generator	195.00
TS147	Wide Band X-Band Signal Generator	695.00
TS147B	Wide Band X-Band Signal Generator	795.00
TS147D	Wide Band X-Band Signal Generator	1,295.00
TS148	X-Band Spectrum Analyzer	1,295.00
TS155	S Band Signal Generator	125.00
TS155C	S Band Signal Generator	595.00
TS173	Frequency Meter	225.00
TS174	Frequency Meter	225.00
TS175	Frequency Meter	295.00
TS182	VHF Oscillator & Power Meter	45.00
TS183	Battery Tester	35.00
BC221	Frequency Meter	125.00
TS226	Frequency Meter	45.00
TS239	Oscilloscope	895.00
TS251	Range Calibrator	175.00
TS270	Echo Box	175.00
TS270A	Echo Box	175.00
TS270B	Echo Box	225.00
TS403	S Band Signal Generator	1,250.00
TS419	L Band Signal Generator	895.00
TS545	L Band Echo Box	95.00
TS577	Telephone Test Set	295.00
TS666	Calibrator	125.00
EPUT554	Berkeley Instruments Frequency Meter	395.00
RCA M1-7519E	Distortion & Noise Analyzer	150.00
UPM 7, 10, 11, 11A, URM 12, 23, 25, 26, UPM 30, 33	Radar Test Sets	Prices on Request
Tektronix Oscilloscope measurement signal generator		
	Model 80	450.00
	Model 84	750.00
General Radio Signal Generator 905		895.00

Power Supplies

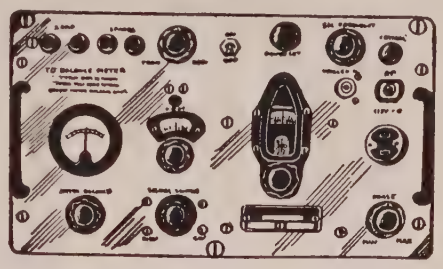
Rectigon 28/100	195.00
32/100	195.00
Dummy Load Jones 634H	150.00
Radar Pulsers to test Magnetrons	695.00 up

Sorensen Power Supplies
Furst Power Supplies
Inverters
Thermistors 167332
Selenium Rectifiers

Various Semiconductors, Transistors, Diodes, x Band Wave Guides, Misc. Microwave Plumbing etc. etc.

STANDARD LABORATORY RECEIVERS

APR4	$195.00	APT5	$180.00
APR4 (w/5 tuning units)	895.00	APS4	278.00
APR5	180.00	APS10	695.00
APR5A	180.00	APS23 (trans)	195.00
APR10	180.00	APS32 K band radar	875.00
APT2	75.00	APS31 PARTS	



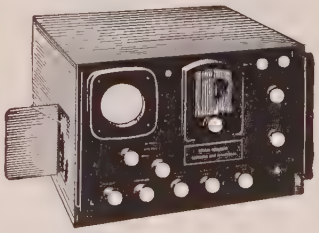
New . $1,295
Used . 795

NEW TS-147 X TEST SET Hard-to-get X-band SIGNAL GENERATOR Now Available

Test Set TS 147 UP is a portable Microwave Signal generator designed for testing and adjusting beacon equipment and radar systems which operate within the frequency range of 8500 MC to 9600 MC.

AN/URM-64 SIGNAL GENERATOR

Portable, self-contained, directly calibrated generator of continuous wave or pulse modulated RF signal. Range 900-2100 mc. $895

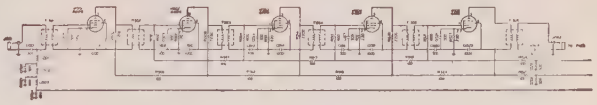


New . $1,295
Used . . . 895
• BOTH COMPLETE •

NEW MICROWAVE TEST EQUIPMENT TS148/UP SPECTRUM ANALYZER

Field type X Band Spectrum Analyzer, Band 8430-9580 Megacycles.

Will Check Frequency and Operation of various X Band equipment such as Radar Magnetrons, Klystrons, TR Boxes. It will also measure pulse width, c-w spectrum width and Q or resonant cavities. Will also check frequency of signal generators in the X band. Can also be used as frequency modulated Signal Generator etc. Available new complete with all accessories, in carrying case.



SPECIAL

60 mc I.F. Strip 10 mc wide complete with 5 tubes $24.00

Minimum Order, $25.00

Phone: WAlker 5-6000

LIBERTY ELECTRONICS, INC.

582 BROADWAY
NEW YORK 12, N. Y.
Cables: TELSERSUP

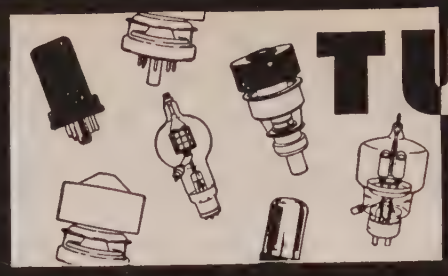
CIRCLE 202 ON READER SERVICE CARD

JSH ELECTRONICS CO.

Dept. BG60

1108 Venice Boulevard • P.O. Box 15654
Los Angeles 15, California • Richmond 9-7644

Cable Address: JASHELEC Telegraph: FAX



TUBES

★ NEW ★ NAME BRANDS
★ IMMEDIATE DELIVERY
★ LOW PRICES
★ UNCONDITIONAL GUARANTEE

OA2	.70
OA2WA	1.60
OA3/VR75	.80
OB2	.60
OB2WA	1.50
OB3 VR90	.70
OC3 VR105	.35
OC3W	1.75
OD3 VR150	.35
OD3W	1.75
C1K	6.00
C1K B	9.00
1AD4	1.40
1AE4	1.40
1B22	.50
1B23	1.75
1B24	6.50
1B24A	12.50
1B25	1.25
1B26	.70
1B27	5.75
1B29	2.50
1B35	2.25
1B35A	3.50
1B36	3.25
1B37	2.00
1B38	13.50
1B40	1.00
1B41	30.00
1B42	4.00
1B44	8.00
1B45	8.00
1B47	2.50
1B50	45.00
1B51	25.00
1B53	10.00
1B54	7.00
1B56	14.50
1B58	50.00
1B59 R1130B	10.00
1B60	15.00
1B62	4.50
1B63A	15.00
1D21/SN4	4.50
1P21	30.00
1P22	7.50
1P24	.95
1P25	10.00
1P28	16.00
1P36	2.50
1P37	2.50
1P39	1.20
1P42	6.00
1Q22	17.50
1Q23	20.00
1S21	2.00
1W5	.95
1Z2	1.40
2AC15	5.00
2AS15A	5.25
2B22	1.45
2B24	1.00
2C26A	.25
2C33/RX233	.50
2C35	1.75
2C36/846B	20.00
2C37	20.00
2C38	15.00
2C39	4.00
2C39A	9.00
2C39AG	15.00
2C39B	20.00
2C39WA	12.00
2C40	7.00
2C42	4.50
2C43	7.00
2C46	5.00
2C50	5.00
2C51	2.75
2C52	1.75
2C53	8.50
2D21	.50
2D21W	.80
2D29	.60
2E22	3.50
2E24	3.00
2E25A	2.50
2E26	3.30
2E27	.60
2E30	2.50
2E32	1.00
2E35	1.45
2F21	125.00
2G21	3.00
2H21	125.00
2J36	17.50
2J37	11.50
2J39	25.00
2J40	50.00
2J41	100.00
2J42	50.00
2J42H	50.00
2J48	20.00
2J49	20.00

2J50	17.50
2J51	47.50
2J51A	150.00
2J54	25.00
2J55	65.00
2J56	35.00
2J56A	60.00
2J61	8.00
2J61A	25.00
2J62	10.00
2J62A	50.00
2K22	22.50
2K23	22.50
2K25	8.00
2K26	22.50
2K28	22.50
2K33A	200.00
2K34	85.00
2K39	115.00
2K41	75.00
2K42	125.00
2K44	100.00
2K45	22.50
2K46	199.50
2K47	100.00
2K48	50.00
2K50	Q
2K54	14.50
2K55	14.50
2SM15	7.00
2X2	.20
2X2A	1.00
C3A14	7.50
3A4	.50
3B4	1.65
3B22	5.00
3B23	3.00
3B24	.65
3B24W	3.00
3B24WA	6.00
3B25	3.00
3B26	2.50
3B28	3.00
3B29	5.00
3C22	40.00
3C23	6.00
3C24/24G	2.50
3C30	2.50
3C31	3.00
3C33	4.50
3C45	4.00
3D21A	3.50
3D21B	6.00
3D22	10.00
3E22	4.00
3E29	5.00
3J30	15.00
3J31	30.00
3K22	125.00
3K27	150.00
3K30	80.00
3K50,000LF	1250.00
3W5000/A3	100.00
4-65A	16.00
4-125A	24.00
4-250A	32.50
4-400A	35.00
4-1000A	90.00
4A1	1.30
4B22	2.75
4B23	5.00
4B24	4.50
4B26	4.75
4B28	2.75
4C22/HF100	12.50
4C27/CV92	7.00
4C28	15.00
4C32	15.00
4C33	100.00
4C35	12.50
4D21	24.00
4D22	26.00
4D32	15.00
4E27	7.00
4E27A	20.00
4J21 64 Incl.	Q
4PR60A	60.00
4W20,000A	500.00
4X150A	17.50
4X150D	17.50
4X150G	27.50
4X250M	30.00
C5F14/6278	16.00
5A6	1.25
5C22	18.00
5C24	30.00
5DC5	8.75
5DC5M	9.10
5D21	3.00
5D23/RK-65	12.50
5J23	50.00
5J26	70.00
5J29	4.00
5J30	3.50

5J32	20.00
5J33	4.00
5R4GY	.90
5R4WGA	4.00
5R4WGB	6.00
5R4WGY	2.75
5Y3WGT	1.20
5Y3WGTA	2.00
5Y3WGTB	2.75
6CJ	12.00
EL-C6M	9.00
6AC7A	.75
6AC7W	.50
6AC7WA	2.00
6AJ5	1.50
6AJ6	.60
6AK4	.80
6AK5W	1.00
6AL5W	.60
6AN5	2.00
6AN5WA	3.50
6AN6	2.00
6AQ5W/6005	1.30
6AR6	1.00
6AR6WA/6098	4.00
6AS6	.75
6AS6W	1.25
6AS7G	2.50
6AU6WA/6136	1.30
6BA6W/5749	.75
6BF7	1.25
6BF7W	2.00
6BL6	30.00
6BM6	35.00
6BM6A	40.00
6C4W	3.50
6C4WA	1.35
6C21	15.00
6D4	1.00
6F4	2.25
6H6WGT	2.25
6J4	1.00
6J4WA	1.50
6J5WGT	2.00
6J6W	.60
6J6WA	1.25
6K4	1.75
6L6WGA/5932	2.50
6L6WGB	2.50
6SA7WGT	2.00
6SK7W	.70
6SK7WA	2.25
6SL7WGT	1.00
6SN7WGT	.75
6SU7GTY	1.75
6X4W	.75
6X4WA	1.50
7AK7	2.45
7C22	200.00
7C23	60.00
7FKW	2.75
8DC15	7.50
8DS15	13.50
SRC12	149.50
12AT7WA	1.50
12AU7WA	1.50
12AY7	1.00
12SW7	1.00
12SX7GT	1.00
12SY7	1.00
BL-15	35.00
15E	1.00
BL-16	2.50
16KB6	23.00
FG-17	5.00
T-20	1.75
RK-21	1.00
RX21	5.00
PJ22	2.50
X-23	150.00
HK-24	1.25
24G/3C24	2.50
BL-25	15.00
VX26B	150.00
26A7GT	2.50
26C6	1.00
26D6	.50
26E6WG	3.50
26Z5W	1.50
FG-27A	7.50
28D7	.65
28D7W	3.50
35T	10.00
35TG	1.50
CE-36C	1.00
V-36	500.00
BL-38A	150.00
TZ-40	8.50
FG-41	40.00
D-42	40.00
V-45	90.00
EF-50	2.90
V-50	150.00
V-50XR	150.00

HK-54	3.50
FG-57	7.00
QK-57	Q
QK-59	15.00
QK-60	13.50
RK-60/1641	1.00
QK-61	15.00
QK-62	15.00
HY-65	1.00
FG-67	5.00
HY-69	2.50
RKR-72	.25
RKR-73	.25
FG-81A	5.00
FG-95	13.50
BL-96	150.00
FG-97	25.00
FG-98A	24.50
BL-99	20.00
ML-100	39.50
HF-100	12.50
100R	4.00
100TH	12.50
WE-101D	2.00
WE-101F	2.00
FG-104	15.00
WE-121A	1.25
F-123A	7.00
VT-127A	2.50
F-128A	35.00
FG-154	7.00
VT-158	29.50
FG-166	5.00
FG-172	17.50
QK-172	Q
FG-178/-DG0178	5.75
QK-181	30.00
203A	3.75
204A	9.50
205F	3.00
207	150.00
211/VT4C	1.00
211E	10.00
212E	13.50
217A	6.50
WL-218	11.75
CEP220	2.00
VA-220B	100.00
QK-221	Q
231D	2.00
FG-235A/-5552	45.00
QK-235A/-6344	250.00
FG-238A/-5553	50.00
QK-243	30.00
WE-245A	3.50
QK-246	200.00
QK-247	225.00
QK-249	125.00
WE-249B	7.50
WE-249C	4.75
250R	5.00
250TH	21.00
250TL	12.00
WE-251A	35.00
WE-252A	5.75
QK-253/-6695	125.00
QK-254	Q
WE-254A	12.50
HK-257B	7.00
FG-258A	80.00
WE-258E	8.00
259A	2.50
V-260	125.00
V-262	150.00
262B	3.00
FP-265	8.00
WE-269A	6.00
FG-271/5551	35.00
271A	12.50
272A	3.00
274A	3.50
WE-274B	.50
WE-282A	3.50
WE-282B	2.00
WE-283A	3.00
QK-283A	200.00
QK-284A	200.00
WE-285A	4.00
WE-286A	3.25
WE-287A	2.00
QK-290-5 Incl.	Q
293A	4.50
GL-299	1.00
WE-300B	5.00
GB-302	3.50
304TH	30.00
304TL	30.00
WE-305A	4.00
QK-306	Q
307A RK-75	.50
WE-308B	7.50
QK-308	85.00
QK309	85.00
WE-310A	3.25
WE-310B	6.00
WE-311A	3.00
WE-312A	1.25
QK-313	Q
313C	1.50
313CA	2.00
MA-314A	25.00

WE-315A	10.00
QK-319	85.00
323A	6.50
QK-327	Q
VT-327A	3.50
329A	3.50
332A	8.00
WE-336A	3.00
WE-337A	2.50
QK-338/-6410A	500.00
WE-338A	4.00
S340	20.00
WE-348A	2.75
QK-349/-6249	250.00
WE-349A	2.50
WE-350A	1.90
WE-350B	1.50
QK-351/6115	50.00
352A	6.50
354A	10.00
354C	2.50
355A	6.00
356B	3.00
ML-357A	45.00
QK-358A	250.00
WE-359A	.70
QK-367	160.00
371B	1.00
373A	1.50
374A	1.50
375A	6.00
QK-381	65.00
385A	6.50
WE-388A	1.00
QK-389	135.00
393A	4.00
394A	2.50
WE-396A	2.75
398A	4.50
403B/5591	2.50
QK-404	35.00
404A	9.00
QK-407	Q
WE-407A	2.75
WE-408A	2.00
WE-409A	1.00
WE-412A	2.00
WE-415A	3.00
WE-416B	30.00
WE-417A	12.50
WL-417A	2.25
WE-418A	15.00
WE-420A	6.50
WE-421A	9.50
WE-422A	9.00
WE-423A/6140	3.00
WE-427A	3.00
QK-428/-6406	500.00
WE-429A	7.00
WE-431A	250.00
WE-432A	6.95
WE-432B	8.00
434A	9.00
QK-436/6316	75.00
QK-437/-6402	950.00
450TH	40.00
450TL	35.00
WL-456	55.00
QK-459	250.00
WL-460	20.00
464A	1.50
SA-466/1D21	3.75
QK-470	2000.00
GL-471A	1.50
QK-472	85.00
X481D	95.00
RH-507	15.00
CK-512AX	1.25
CK-522AX	1.50
CK-526AX	1.50
WL-530	15.00
CK-533AX	1.00
CK-536AX	1.25
559	.35
CK-570AX	2.00
575A	15.00
CUE576	15.00
CUE578	7.00
579B	12.50
583	7.50
KU-610	5.00
HY-615	.25
WL-616	40.00
KU-627	5.00
KU-628	7.50
631P1 SN4	4.50
WL-632B	13.50
WL-636	17.50
642	10.00
HK-654	10.00
WL-655	80.00
GL-672	20.00
KU-676	30.00
WE-703A	.60
705A	.75
706AY-GY Incl.	11.00
707B	2.00
WE-708A	.60
713A	.25
714A	6.00
714AY	19.00

715A	1.50
715B	4.00
715C	10.00
717A	.35
719A	9.00
720AY-EY Incl.	30.00
721A	.35
721B	4.00
722A	.65
723A/B	3.00
WE-724A	.50
725A	3.50
726B	3.50
726C	12.50
730A	4.75
750TL	60.00
BL-800	100.00
800	.90
802	5.00
BL-803	125.00
803	2.00
804	10.00
805	3.50
806	6.50
807	1.10
807W/5933	2.50
808	1.00
810	15.00
811	2.95
812	3.25
813	8.50
814	4.00
815	1.50
826	1.00
828	8.00
829B	7.50
830B	1.00
832	3.00
832A	7.00
833A	35.00
834	3.50
835	1.50
836	1.15
837	1.00
838W	6.00
845	12.00
851	6.00
852	4.00
858	350.00
860	2.75
861	50.00
865	.25
866A	2.00
866JR	2.00
869B	35.00
872A	1.75
874	.60
876	.50
878	1.00
884	1.25
889RA	75.00
891	75.00
893A	300.00
917	1.00
918	.75
919	2.00
922	1.50
925	1.50
927	1.50
930	1.50
931A	3.50
931VA	5.00
935	3.75
936	4.00
954-8 Incl.	.25
959	.65
991 NE16	.25
CK-1005	.40
CK-1006	2.25
CK-1007	.60
CK-1022	7.50
CK-1026	2.00
1090	Q
R-1100	Q
R-1130B	18.00
E-1148	2.00
1221	1.50
1229	3.75
1236C	11.25
VC-1257	1000.00
HY-1269	4.00
1274	1.00
HK-1554	30.00
1603	3.75
1613	1.25
1616	.85
1619	.25
1620	3.25
1622	1.50
1623	1.25
1624	.90
1625	.20
1626	.15
1629	.15

1630	.40
1631	.75
1633	.50
1636	.50
1641	1.20
1642	.30
1654	1.65
1655	1.00
1680	2.50
1846	75.00
1850A	125.00
1855/6896	695.00
Z-1951	Q
2000T	150.00
2050	1.10
2050W	1.50
2051	.95
2345	Q
VXR-2700	9.00
HK-3054	75.00
4210	Q
R4330	7.50
R4340	9.00
4410	14.00
5516	6.00
5517	.70
5527	100.00
5528/ELC6J	13.50
5531	300.00
5544	25.00
5545	15.00
5550/681	30.00
5552 FG235A	45.00
5553 FG-258A	80.00
5554 FG259B	125.00
5559 FG-57	5.00
5560 FG-95	13.50
5561/FG-104	15.00
5586	125.00
5588	47.50
5591/403B	2.50
5604	175.00
5610	.75
5611	45.00
5618	2.75
5619	150.00
5627/FA-6	35.00
5634	4.50
5636	1.50
5636A	2.00
5637	2.25
5639	2.50
5639A	2.75
5641	2.50
5642	1.00
5643	5.00
5644A	3.50
5645	4.00
5646	2.00
5647	2.25
5647A	3.50
5650 5981	30.00
5651	.75
5651WA	2.00
5654 6AK5W	1.20
5654 6AK5W/6096	1.90
5656	3.50
5657	120.00
5663	.75
5664 C1BA	10.00
5665	35.00
5667	75.00
5669	200.00
5670	1.25
5670WA	1.50
5672	1.10
5674	75.00
5675	7.50
5676	.65
5677	2.50
5678	1.00
5680	100.00
5683	9.00
5685	15.00
5686	2.00
5687	1.50
5687WA	2.50
5690	7.50
5691	5.25
5692	3.75
5693	4.00
5694	3.50
5696A	1.10
5702WA	3.00
5703	1.00
5703WA	3.50
5704	1.00
5718	1.00
5719	1.00
RK-5721	125.00
5725/6AS6W	1.00
5725/6AS6W/6187	1.25

5726/6AL5W	.60
5726/6AL5W/6097	1.00
5727/2D21W	1.25
5728 FG-67	5.00
5740/FP-54	100.00
5744	.70
5744WA	3.50
5749/6BA6W	.75
5750/6BE6W	1.50
5751	1.35
5751WA	1.50
5755/420A	6.50
5763	1.35
5764	40.00
5768	35.00
5770	600.00
5779	70.00
5780	150.00
5783	2.00
5783WA	3.50
5783WB	3.50
5784	2.50
5784WA	4.50
5785	1.50
5787	2.50
5787WA	4.00
5789	500.00
5793	10.00
5794	10.00
5795	250.00
5796	15.00
5799	6.00
5800 VX 41A	6.00
5801 VX-33A	3.50
5803	2.00
5814	1.00
5814A	1.40
5814WA	1.60
5822	65.00
5825	10.00
5829	.60
5829WA	2.00
5830 FG-41	37.50
5839	3.00
5840A	2.00
5841	2.25
5842 417A	12.50
5844	.85
5845	8.85
5847 404A	9.00
5851	3.00
5852 TE-5	3.00
5853	60.00
5854	3.00
5855	68.00
5857	12.50
5863	37.50
5864	10.00
5867	15.00
5874	175.00
5876	5.75
5879	1.00
5881	2.00
5886	3.00
5894 AX-9903	15.00
5896	2.00
5898	7.25
5899	2.50
5901	6.00
5902	2.50
5902A	2.75
5903	5.75
5905	8.00
5906	7.00
5907	7.00
5910	.45
5916	8.50
5922	15.00
5927	45.00
5932 6L6WGA	2.50
5933 807W	2.50
5933WA	7.50
5939	9.00
5947	6.00
5948/1754	75.00
5949/1907	100.00
5956	12.50
5959/E41	15.00
5962	5.00
5963	.75
5965	.80
5967	10.00
5973	125.00
5976	50.00
5977	1.50
5979	7.50
5981/5650	30.00
5982	200.00
5987	6.00
5992	3.00
5993/TE-10	4.00
5998/421A	4.50

THIS IS ONLY A PARTIAL LISTING
Thousands of other types in stock. RECEIVING TUBES! We carry a complete line. Standard brands only.

CHECK WITH US FOR YOUR REQUIREMENTS
All prices F.O.B. Los Angeles, subject to change without notice. Check with us for items not listed. Minimum order $10.00, send certified check or money order.

CIRCLE 203 ON READER SERVICE CARD

RK-6002	300.00
6004	.65
6005/6AQ5W	1.30
6005/6AQ5W 6095	2.00
6012	5.00
6019	150.00
6021	2.00
6024	15.00
6028/408A	2.00
6032	10.00
6033	4.00
6035 1B63A	12.00
6037 QK-243	20.00
6038	4.00
6044	7.50
6045	1.25
GL-6046	.70
6049 533AX	1.00
CK-6050	2.00
6072	2.00
6073	.85
6074	2.50
6080	3.00
6080WA	6.00
6082	3.00
6088	1.50
6094	10.00
6095	1.50
6096	1.25
6097	1.25
6098	1.75
6099	.80
6100/6C4WA	1.35
6101/6J6WA	1.15
6106	2.50
6110	4.00
6111	2.50
6112	2.50
6115	50.00
6116	75.00
6117	70.00
6119	4.00
6130	4.00
6134	3.00
6135	1.50
6136 6AU6WA	1.30
6137	1.50
6140 423A	4.00
6143	4.00
6146	4.50
6147	2.50
6153	5.00
6159	3.50
6161	35.00
6167	Q
6169	Q
6173	7.50
6177	50.00
6184	9.00
6186/6AG5WA	2.00
6187/5725/6AS6W	1.25
6189/12AU7WA	1.50
6197	1.75
6198	100.00
6199	35.00
6201/12AT7WA	1.50
6202 6X4WA	1.50
6203	2.90
6205	4.50
6206A	3.50
6211	.65
6213	3.00
6216	1.75
6229 QK-299	150.00
6246	200.00
6247	6.00
6247WA	12.00
6249A	250.00
6257	100.00
6263	9.75
6264	9.75
6278 C5F14	16.00
6279 5C22	20.00
6280/416B	30.00
6291	30.00
6292	30.00
VA-6310	100.00
VA-6315	100.00
VA-6316	100.00
6322	15.00
6324	60.00
6336	9.00
6336A	12.50
6339	25.00
6363	75.00
6378	20.00
6390	110.00
6397	4.50
6402/QK-437	950.00
6406/QK-428	500.00
6417	1.50
6482	9.50
6510/4J52A	100.00
6533	8.00
6542	3.50
6544	275.00
6551	450.00
6611	12.00
6807	15.00
6626 OA2WA	2.00
6627 OB2WA	2.00
6700	30.00
6788	8.50
6829	3.50
6858/760	25.00
6865A	Q
6896/1855	695.00
6901	10.00
6940	100.00
6954	4.00
8002R	8.00
8012	.50
8013	2.50
8013A	3.75
8014A	45.00
8016	.95
8020	2.00
8025	2.00
9001	.90
9002	.50
9003	1.90
9004	.25
9005	3.00
9006	.15
AX-9903/5894	15.00
F51922	10.00
F52983	10.00
F52984	10.00
D178461	50.00

SEMICONDUCTORS

1N21	.25
1N21B	.70
1N21C	1.00
1N22	.25
1N23	.25
1N23B	.70
1N23C	1.00
1N23E	4.00
1N25	1.50
1N26	6.00
1N28	5.00
1N29	1.00
1N31	4.00
1N34A	.20
1N38A	.40
1N40	2.50
1N41	4.00
1N43	.50
1N44	.65
1N45	.85
1N46	.40
1N47	.85
1N52	.40
1N56	.40
1N58	.45
1N63	.60
1N65	.30
1N67A	.35
1N69	.20
1N70	.40
1N89	.40
1N90	.20
1N99	.60
1N119	.35
1N126A	.25
1N137A	1.40
1N141	.40
1N149	3.00
1N151	1.35
1N191	.35
1N198	.60
1N300	2.25
1N320	3.00
1N457	1.75
1N459	2.00
1N464	1.00
1N543	1.50
1N625	.85
1N626	.95
1N627	1.15
1N628	1.30
1N629	1.40
1N709	1.75
2N132	1.40
2N156	2.00
2N167	3.00
2N240	3.00
2N257	1.50
2N274	1.20
2N343	11.00
2N396	2.25
2N442	2.00
2N456	1.75
2N498	13.50
2N526	1.75
2N598	1.75
SV-5	2.00
SV-6	2.00
SV-9	2.00
T-9	1.00
SV-13	2.00
SB100	2.00
SV-122	2.60
618	2.00
CK705	.15
CK707	.25
CK766	2.00
SV-805	3.75
951/2N1154	7.00
952	11.00
953	13.00
SV-1005	5.00
HD2048	.70
HD2135	.30
HD2145	1.40
HD2218	1.25
HD2289	.45
HD2768	.30
HD2940	.50
HD6002	1.60
HD6009	.80
HD6017	1.50
HD6024	1.75
HD6097	1.50
HD6164	.25
HD6247	1.60
HD6339	1.75
HD6565	1.00
HD6611	1.75
HD6621	1.60
HD6677	.65
HD6694	.80
HR10235	.40

THIS IS ONLY A PARTIAL LISTING— INQUIRE FOR TYPES NOT SHOWN

CATHODE-RAY

2AP1	1.75
2AP1A	3.00
2BP1	8.00
3AP1	1.25
3AP1A	7.50
3ABP1	25.00
3ABP2	25.00
3ACP2	7.50
3ACP7	15.00
3ACP11A	17.50
3BP1	2.00
3BP1A	9.00
3CP1	1.75
3CP1-S1	10.00
3DP1	2.00
3DP1A	6.50
3DP1-S2	6.00
3DP11A	6.00
3EP1	3.00
3FP7	2.00
3FP7A	3.00
3GP1	2.50
3HP7	3.00
3JP1	5.00
3JP2	22.00
3JP7	6.50
3JP12	7.00
3KP1	8.00
3MP1	10.00
3RP1A	10.00
3SP7	22.50
3SP11	22.50
3WP1	9.00
4AP10	15.00
5AP1	6.00
5ABP1	26.00
5ABP11	33.00
5ADP1	15.00
5ADP7	15.00
5ADP11	15.00
5AGP1	15.00
5AZP4	70.00
5BP1	5.00
5BP1A	9.00
5BP2A	5.00
5BP4	5.00
5BDP7	75.00
5CP1	4.00
5CP1A	15.00
5CP2A	10.00
5CP5	10.00
5CP5A	10.00
5CP7	3.00
5CP7A	7.00
5CP11A	7.50
5CP12	25.00
5FP7	2.50
5FP7A	5.00
5FP11A	10.00
5FP14	6.50
5FP14A	10.00
5GP1	5.00
5HP1	5.00
5HP1A	12.50
5HP4	15.00
5JP1	3.00
5JP1A	20.00
5JP2	3.00
5JP2A	5.00
5JP4	3.50
5JP5	3.00
5JP11A	12.50
5LP1	6.50
5LP1A	20.00
5LP2A	15.00
5LP5	15.00
5LP7A	15.00
5LP11A	15.00
5MP1	5.00
5NP1	5.00
5RP1A	50.00
5RP4A	100.00
5RP11	50.00
5RP11A	70.00
5SP1	25.00
5SP1A	25.00
5SP7	25.00
5SP7A	35.00
5SP11	50.00
5UP1	13.50
5UP7	20.00
5UP11	20.00
5XP1	35.00
5XP2	40.00
5XP2A	40.00
5XP7	40.00
5XP11	40.00
5XP11A	50.00
5XP11B	60.00
5X2P5	60.00
5X3P1	50.00
5YP1	30.00
5Z4P11	50.00
6DP7/K1262P7	100.00
7ACP19	150.00
7BP7	3.00
7BP7A	30.00
7CP1	5.00
7MP4M	12.50
7MP7	10.00
7UP7	30.00
7XP2	150.00
7YP2	100.00
9GP7	3.00
9JP1	9.50
9LP4	10.00
9LP7	10.00
10BP4	10.00
10KP7	25.00
12DP7	17.50
12DP7A	40.00
12GP7	17.50
12HP7	20.00
12HP8	25.00
12-P8	20.00
12-P19	20.00
12SP7	23.50
T51P2A	25.00
52HAP7	17.50
902	4.00
902P1	2.00
905	4.50
906	10.00
913	15.00
914A	15.00
1051P1	30.00
K1055	25.00
K1056P11	35.00
K1069P7	17.50
K1098P7	35.00
K1109P7	35.00
K1253P7	45.00
K1262P7	50.00
1808P1	35.00
R6106	20.00

JSH ELECTRONICS CO.

1108 VENICE BLVD., LOS ANGELES 15, CALIF.

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SERVING INDUSTRY SINCE 1945

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☐ *Tubes Industrial* ☐ *Tubes Microwave*
☐ Tubes CR/Scope ☐ Tube Tungar
☐ *Tube Clamps* ☐ *Tube Sockets*
☐ Diodes ☐ Transistors ☐ *Germanium*
☐ *Rectifiers* ☐ *Silicon* ☐ *Selenium*
☐ Relays All Types! ☐ Binding Posts
☐ *Chokes & Transformers All Types!* ☐ *Knobs*
☐ Servos, Synchros, Autosyns ☐ Toroids
☐ *Precision Pots* ☐ *Rheostats* ☐ *Potentiometers*
☐ Line Filters ☐ Delay Lines ☐ Waveguide
☐ *Test Equipment All Types* ☐ *Meters*
☐ Army-Navy-Aircorps Equipes TS, BC, LM I
☐ *Fuses* ☐ *Amtraps* ☐ *Fuse Holders*
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☐ Thermistors ☐ Thyrites ☐ Globar R.
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☐ Circuit Breakers ☐ Thermal ☐ Magnetic

SURPLUS STOCKS WANTED! ! ! ! TOP $$$ PAID FOR ALL TUBES!

NEW *SILICON 750 Ma RECTIFIERS, WORKING VOLTS RMS-ACV INPUT!

rms/piv 35/50 25¢	rms/piv 70/100 35¢	rms/piv 140/200 45¢	rms/piv 210/300 55¢
rms/piv 280/400 65¢	rms/piv 350/500 85¢	rms/div 420/600 $1.10	rms/piv 490/700 $1.35
rms/piv 560/800 $1.50	rms/piv 630/900 $1.70	rms/piv 700/1000 $2.00	rms/piv 700/1100 $2.50

Use in Bridge or C. T. up to 1 amp DC

**Derate 20% for Capacitive Input*

SILICON POWER DIODES ½ WAVE RATED

DC AMP	50 PIV	100 PIV	200 PIV	300 PIV
.75	$ .30	$ .45	$ .50	$ .65
2.0	.60	.90	1.20	1.45
6	.90	1.25	1.50	1.75
18	2.25	2.90	3.45	3.85
35	2.75	3.25	3.90	4.45

DC AMP	400 PIV	500 PIV	600 PIV	700 PIV
.75	$ .78	$1.00	$1.26	$1.50
2.0	1.70	1.95	2.40	2.90
16	2.00	3.00	4.50	6.00
18	4.45	7.00	Write for	
35	4.95	7.90	QTY O.E.M. PRICES	

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DIAMOND BASED MICA MTG KIT..... .30
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Doolittle FD9A freq deviation monitor.... $125
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Sylvania #5E Synchroscope $100
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TS34AP W.E./USN CR scope L'N!..... $49
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••SPECIAL PURPOSE & TRANSMITTING TUBES••

TYPE	PRICE EACH	TYPE	PRICE EACH	TYPE	PRICE EACH	TYPE	PRICE EACH	TYPE	PRICE EACH
OA2	.69	4D32	21.50	300B	6.50	DG-1290	2.90	5847/404A	8.10
OA2WA	2.05	4E27	6.75	304TL		1613	1.45	5851	3.50
OA3/VR-75	.79	4X150A	8.75	Price upon request		1614	2.90	5852	2.75
OB2	.49	5AP1	1.75	304TH		1624	1.55	5863	39.00
OB3/VR-90	.79	5C22	16.00	Price upon request		1625	.12	5875	1.40
OC3/VR-105	.39	5D21	3.50	310A	3.45	1629	.39	5879	1.30
OC3W	1.75	5D23/RK65	16.00	310B	5.95	1632	.85	5881	2.60
OD3/VR-150	.33	5J26	89.50	323A	7.95	1635	1.95	5883	7.25
OD3W	1.75	5R4GY	1.05	326A	19.95	1641	1.10	5890	19.00
1A3	.29	5R4WGY	2.85	329A	6.95	1851	.92	5894	20.00
1B24	4.25	5Y3WGT	1.25	332A	16.00	2050	1.20	5896	1.75
1B24A	9.00	6AJ6	.95	337A	3.60	2050W	1.95	5898	7.50
1B27	6.95	6AK5W	1.00	339A	5.50	2051	.89	5899	3.00
1B29	2.25	6AK5W/5654	1.20	347A	3.50	5516	6.90	5922	15.00
1B35	3.25	6AL5W	.55	349A	3.65	5517	.89	5932	2.90
1B35A	4.50	6AQ5W	1.10	350B	1.75	5528/C6L	4.50	5933	1.89
1B38	14.00	6AS6W	1.40	354A	4.75	5551	32.00	5933WA	7.00
ELC1K	8.75	6BA6W	.90	354C	5.50	5552	47.00	5956	25.00
C1K-B	9.00	6BM6	35.00	355A	6.95	5557/FG17	4.95	5963	1.20
1P21	25.00	6C4W	2.95	357A	12.50	5558/FG32	3.95	5965	.80
1P25A	3.75	6C21	14.50	371B	.90	5559/FG57	5.75	5977	1.65
1P30	.90	6C22	22.50	388A	.95	5560/FG95	27.00	5981/5650	37.50
1P31	2.75	6D4	.89	393A	4.25	5588/6161	35.00	5996	87.50
2AP1	1.75	6F4	2.10	394A	4.44	5590/401A	1.75	6004	.60
2AP1A	3.25	6H6WGT	2.75	396A	2.40	5591/403B	2.25	6005	1.30
2BP1	7.50	6J4W	1.25	400A	2.25	5610	.72	6005/6AQ5W	1.40
2C39	6.25	6J4WA	1.35	401A	2.00	5633	3.50	6005/6AQ5W/	
2C39A	8.75	6J6W	.69	403B	2.40	5636	2.10	6095	2.95
2C39WA	12.00	6L6WGA/5932	2.90	404A	7.90	5638	2.40	6012	3.25
2C40	5.00	6L6/5881	2.60	407A	2.85	5639	2.75	6014/C1K	9.25
2C42	4.00	6SK7WA	2.25	408A	1.65	5641	2.35	6019	135.00
2C43	6.25	6SL7WGT	.95	409A	1.45	5642	1.40	6021	1.75
2C46	3.75	6SN7WGT	.85	417A	2.20	5644	3.25	6028	1.65
2C51	2.40	6SU7GTY	1.75	WE417A	7.95	5645	4.25	6032	24.00
2D21	.59	6X4W	.95	434A	3.95	5647	2.75	6044	12.00
2D21W	.90	6X4WA	1.95	460	7.90	5650/5981	39.50	6046	.69
2E22	1.95	6X5WGT	1.85	464A	1.40	5651	1.30	6072	2.25
2E24	1.85	7AK7	1.75	GL-471A	1.69	5656	3.75	6073	.90
2J21A	4.75	7C22	49.50	CK503AX	1.05	5657	115.00	6080	3.35
2J22	4.50	12AT7WA/6201	1.95	CK506AX	1.25	5663	1.75	6080WA	6.00
2J27	6.50	12AU7W/6189	1.75	CK507AX	1.25	5667	77.00	6087	4.00
2J31	9.00	15E	2.25	CK509AX	1.05	5670	1.19	6089	49.00
2J32	7.50	FG17	4.50	CK512AX	1.05	5674	72.50	6095	1.80
2J34	14.50	RX21A	21.00	WL530	17.50	5678	1.10	6096	.90
2J36	16.00	24R	2.95	559	.39	5686	2.95	6099	1.30
2J38	11.50	HK24	1.40	KU610	2.75	5687	1.40	6100	1.65
2J39	15.00	24G/3C24	3.10	700A	8.45	5687WA	3.75	6101	1.10
2J53	19.95	25T	12.50	700B	9.50	5691	4.25	6106	2.75
2J61	7.50	FG27A	7.40	706CY/DY/EY	11.00	5692	4.80	6107/BS	1.60
2J62	9.00	28D7W	3.25	706A/B	7.50	5693	4.25	6110	4.25
2K22	15.50	FG32	5.90	706C/D	9.50	5696	1.00	6111	2.75
2K23	9.95	35T	4.75	707B	1.95	5702	.95	6113	1.80
2K25	8.75	35TG	1.60	714AY	24.00	5702WA	2.90	6116	85.00
2K28	28.00	FG57	5.75	715B	4.99	5703	1.20	6117	70.00
2K33A	115.00	RK59	.95	715C	12.95	5703WA	4.00	6121	2.75
2K41	91.00	QK59	17.50	717A	.39	5704	.90	6130	3.75
2K45	32.00	QK60	13.00	719A	7.95	5718	.90	6136	1.55
2K54	11.00	RK60	1.20	720AY-EY Incl.	27.50	5719	.90	6140	3.75
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2X2	.21	RK61	2.95	724A	.65	5726	.60	6146	3.75
2X2A	.95	RK62	.90	724B	.65	5726/6AL5W	1.40	6161	32.50
3AP1	1.40	RK63	9.00	725A	4.95	5727	1.10	6163	11.75
3AP1A	3.75	RK65	14.00	726A	2.95	5727/2D21W	1.35	6177	62.50
3BP1	1.40	FG-67	5.75	730A	4.75	5736	1.50	6186/6AG5WA	1.75
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3B23	2.85	RKR-73	.29	805	3.95	5744WA	3.75	6197	2.10
3B24	.45	FG-81A	8.75	807	1.10	5749	.65	6198	110.50
3B24W	3.50	VR-90	.79	807W/5933	2.29	5749/6BA6W	.80	6199	24.00
3B24WA	5.50	FG-95	32.00	811	3.40	5750/6BE6W	1.50	6201	1.75
3B26	2.25	FG-97	8.50	813	9.25	5751	1.25	6206	3.25
3B27	2.75	FG-98A	24.00	814	3.40	5751WA	1.95	6211	.75
3B28	3.75	HF-100	7.95	815	1.95	5755	6.00	6245	5.75
3C22	30.00	100TH	8.95	828	12.90	5763	1.40	6288	11.50
3C28	4.95	FG-104	21.00	829B	8.95	5765	44.00	6308	5.75
3C30	2.25	FG-105	18.00	832A	7.95	5777	145.00	6336	9.50
3C31/C1B	1.65	F123A	4.50	836	1.25	5783	3.00	6385	10.50
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3C45	4.25	F128A	14.75	866A	1.69	5789	90.00	6661/6BH6	1.10
3D21A	3.75	FG-154	6.75	866JR	1.75	5792	9.00	6883	3.75
3D23	3.50	FG-166	4.90	869B	39.50	5793	9.00	6940	74.00
3E27	5.75	FG-172	22.50	872A	1.69	5794	3.75	8001/4E27	7.95
3E29	6.95	FG-178	6.90	902P1	1.95	5798	3.50	8002R	7.75
EM3GA	29.00	FG-190	2.90	918	.81	5800	5.95	8005	5.00
3GP1	2.95	HF-200	10.50	927	1.15	5802	4.25	8008	8.75
3KP1	12.50	203A	4.95	931	2.95	5812	1.25	8011	.75
3RP1	12.95	211	.89	954	.10	5814	.65	8013	2.75
4-125A	26.50	217C	.95	955	.22	5814WA	2.25	8013A	4.75
4-400A	41.00	249B	3.95	956	.28	5819	36.50	8014A	44.00
4-1000A	95.00	249C	7.99	957	.28	5829	1.10	8020	1.75
4B22/EL5B	3.50	250TL	14.00	958A	.29	5829WA	2.60	8025A	5.50
4B27	4.00	250R	6.95	CK1005	.29	5840	1.90	9001	.45
4B36	4.50	262B	3.25	E1148	1.70	5842/417A	8.75	9003	1.05
4C35	12.45	264C	3.75	HY-1269	2.75	5844	.90	9005	2.45

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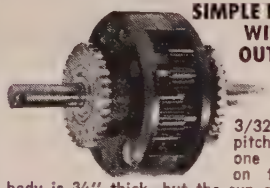
SIMPLE DIFFERENTIAL WITH BALL-BEARING SUN GEARS

The 1:1 reverse ratio spur gears are 48-tooth, 32 pitch brass with 3/16" available face. On one side, the shaft is 23.64" dia. for 11/16" and has a pin hole, then increases in dia. to .377" for the remaining 3/16" of length. On the other side, the shaft is .377 dia. 1/4" lg. 2-13/16" dia. is required to clear the body.
Stock no. A6-115.....each **$15.00**

SIMPLE DIFFERENTIAL WITH SPACED-OUT SUN GEARS



1:1 reverse ratio spur gears are aluminum, 3/32" face, 32 pitch, 32 tooth on one side, 48 tooth on the other. The body is 3/4" thick, but the sun gears are spaced out so that they are 1 1/2" apart. 1/4" dia. shaft on each side is 23/32" long. OA length 3 1/8". Requires 1-23/32" dia. to clear the body.
Stock no. A6-124.....each **$4.50**

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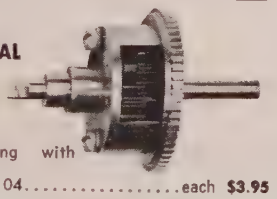
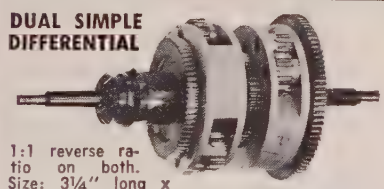


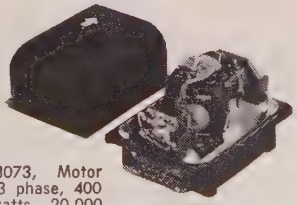
1:1 reverse ratio, 60 teeth on large gear; 1/4" shaft. Size: 3" long with 1-15/16" dia.
Stock no. A6-104.....each **$3.95**

DUAL SIMPLE DIFFERENTIAL



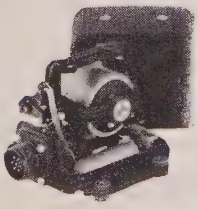
1:1 reverse ratio on both. Size: 3 1/4" long x 1-7/16" dia. Shaft size: 1/8" and 5/32".
Stock no. A6-107.....each **$7.50**

SPERRY VERTICAL GYRO



Part #673073, Motor 115 volts, 3 phase, 400 cycle, 8 watts, 20,000 RPM. 3-minute runup, synchro pickoffs, roll 360°, pitch 85°. Synchro excitation 26 volts, 400 cycle, 150 m.a. Vertical accuracy ±1/2°. Weight 3 1/2 lbs. Approx. dim. 5 3/4" L., 4 1/2" W., 4 1/2" H. **Price $35.00**

MINNEAPOLIS-HONEYWELL RATE GYRO (Control Flight)

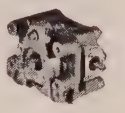


Part no. JG7005A, 115 volts A.C., 400 cycle, single phase potentiometer take off resistance 530 ohms. Speed 21,000 r.p.m. Angular momentum 2 1/2 million, CM²/sec. Weight 2 lbs. Dimensions 4-7/32 x 3-29/32 x 3-31/64.
Price $22.50

VARIABLE SPEED BALL DISC INTEGRATORS

(All Shafts Ball Bearing Supported)

No. 145 Forward & Reverse 2 1/4-0-2 1/4. Input shaft spline gear 12 teeth 9/32" dia. 3/8" long. Output shaft 15/64" dia. x 15/32" long. Control shaft 11/32" x 3/8" long. Cast aluminum construction. Approx. size 3" x 3" x 2 3/4".....**$17.50**



No. 146 Forward & Reverse 4-0-4. Input shaft 5/16" dia. x 3/4" long: Output shaft 15/64" dia. x 9/16" long. Control shaft 11/64" dia. x 11/16" long. Cast aluminum construction. Approx. size 4 1/2" x 4 1/2" x 4". **$18.50 ea.**

SMALL DC MOTORS

(approx. size overall 3 3/4" x 1 1/4" dia.:)

5067043 Delco 12 VDC PM 1" x 1" x 2", 10,000 rpm. **$7.50**
5067126 Delco PM, 27 VDC, 125 RPM, Governor Controlled **15.00 ea.**
5069600 Delco PM 27.5 VDC 250 rpm **12.50**
#5069625 120 rpm, mfr. Delco, 27 VDC governor controlled **$15.00**
5069230 Delco PM 27.5 VDC 145 rpm **15.00**
5068750 Delco 27.5 VDC 160 rpm w. brake **6.50**
5068571 Delco PM 27.5 VDC 10,000 rpm (1x1x2") **5.00**
5069790 Delco PM, 27 VDC, 100 RPM, Governor Controlled **15.00 ea.**
#5069800 575 rpm, mfr. Delco, 27 VDC, PM reversible governor controlled, equipped with 27 VDC clutch **$17.50**
5072735 Delco 27 VDC 200 rpm governor controlled. **15.00**
5BA10A118 GE 24 VDC 110 rpm **10.00**
5BA10AJ37 GE 27 VDC 250 rpm reversible **10.00**
5BA10AJ52 27 VDC 145 rpm reversible **12.50**
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5BA10FJ401B, G.E. 28 VDC, 215 rpm, 10 oz. in., .7 amp. contains brake **15.00**
5BA10FJ421, G.E. 26 VDC, 4 rpm, reversible, 6 oz. in., .65 amp **15.00**

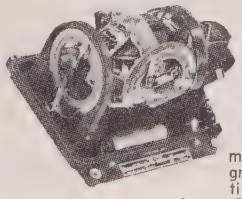
400 CYCLE PM GENERATOR

Mfgd. by T K M Electric Corp.
Model #A-12
120/208 volts, 400 cycle, 1 or 3 phase, 1 kva, pf 0.8, rpm 8,000. Approx. dim. 6" x 5 1/2". Internal spline drive. **Price $100.00**

400 CYCLE 1/3 PHASE GENERATOR

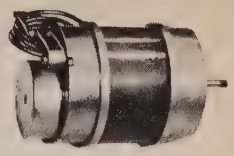
115 VAC. 3 KVA. Mfg. Bogue Elect. Mod. 2800S. External excitation 107 VDC. 1.1 amp. 3450 rpm. 1" shaft. **$200.00**

HONEYWELL VERTICAL GYRO MODEL JG7003A-1



115 volts, 400 cycles, single phase, 35 watts. Pitch and roll potentiometer pickoffs 890 ohms, 40 volts max. AC or DC. Speed 20,000 rpm, ang. momentum 12,500,000 gm-cm ²/sec. Erection system 27 VAC, 400 cycles, time 5 min. to 1/2°.
Weight 5.5 lbs. Price **$35.00** each

SELSYNS-SYNCHROS



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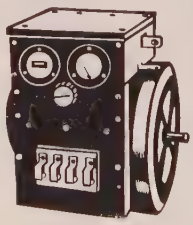
1DG Diff. Gen. 90/90V 60 cy..... 34.50
1F Syn. Mtr. 115/90V 60 cy..... 34.50
1G Gen. 115V 60 cy..... 34.50
1HDG 37.50
1HCT 37.50
1SF Syn. Mtr. 115/90V 400 cy..... 12.50
23TR4 torque receiver..... 34.50
23TR6 torque receiver..... 37.50
23CT4 control transformer..... 34.50
23CT6 control transformer..... 37.50
23CX6 control transmitter..... 37.50
7DG differential generator..... 37.50
2J1F1 Gen. 115/57.5V 400 cy..... 7.50
2J1F3 Gen. 115/57.5V 400 cy..... 10.00
2J1FA1 Gen. 115/57.5V 400 cy..... 7.50
2J1G1 57.5/57.5V 400 cy..... 5.00
2J1H1 Diff. Gen. 57.5V..... 7.50
2J5D1 Cont. Trans. 105/55V 60 cy..... 17.50
2J5F1 Cont. Trans. 105/55V 60 cy..... 17.50
2J5H1 Gen. 115/105V 60 cy..... 17.50
2J15M1 Gen. 115/57.5V 400 cy..... 17.50
5CT Cont. Trans. 90/55V 60 cy..... 34.50
5D Diff. Mtr. 90/90V 60 cy..... 34.50
5DG Diff. Gen. 90/90V 60 cy..... 34.50
5F Syn. Mtr. 115/90VAC 60 cy..... 34.50
5G Syn. Gen. 115/90VAC 60 cy..... 34.50
5HCT Cont. Trans. 90/55V 60 cy..... 37.50
5SDG Diff. Gen. 90/90V 400 cy..... 12.50
6DG Diff. Gen. 90/90V 60 cy..... 25.00
6G Syn. Gen. 115/90VAC 60 cy..... 34.50
7G Syn. Gen. 115/90VAC 60 cy..... 42.50
C56701 Type 11-4 Rep. 115V 60 cy..... 20.00
C69405-2 Type 1-1 Transm. 115V 60 cy..... 20.00
C69406 Syn. Transm. 115V 60 cy..... 20.00
C69406-1 Type 11-2 Rep. 115V 60 cy..... 20.00
C78248 Syn. Transm. 115V 60 cy..... 12.50
C78410 Repeater 115V 60 cy..... 20.00
FPE 49-7 Diehl servo motor, 115 volts, 60 cycle, 10 watts..... 30.00

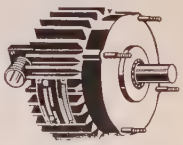
400 CYCLE, 3 PHASE GENERATOR

BY MASTER ELECTRIC



Type AG, frame 364Y, 7.5 kw, 3428 rpm, pf .95 Star connected 120/208 3 phase, 22 amps. Delta connected 120 volt single phase 66 amps. Self excited. Complete with control box, voltage regulator, AC voltmeter and frequency meter. Shaft 1" dia., 2" long; overall dim. of unit: 21"x18"x 20".
Price **$395.00** each

400 CYCLE PM GENERATOR



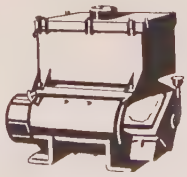
115/200 volts A.C. 1- or 3-phase, 200 watts. 4,000 r.p.m. Approx. dimensions: 4 3/4" dia.; 3" long; 1/2" shaft, AN connector. **$75.00**

400 CYCLE MOTOR GENERATOR

Mfgd. by General Electric
Model #5ATB324E5
Output 120/208 volts AC, 400 cycle, 11.75 kva, 32.6 amp., pf .85. Input 220/440 volts AC, 60 cycle, 3 phase, 15 h.p. Unit complete with motor starter and controls. **Price $750.00**

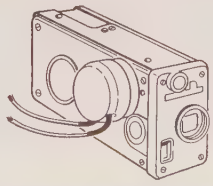
ONAN MOTOR GENERATOR SET

MG 075-G-1



Generator 115 VAC; 480 cycle; 5.3 amps; .6KW; PF 1.0; also 26 VDC; 100 watt; 3.8 amps; Driven by 115-230 VAC —2hp motor; 60 cycle; single phase; 3450 rpm; 10.5 amps.
Price $135.00

16mm SINGLE FRAME CAMERA



mfgd. by Bell & Howell (200 series) 50 ft. magazine load operates on 12 volt DC, has rotary solenoid, standard C mount, less lens and view finder; excellent for photographing records, nature study, etc.
Price $35.00 each

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OB2	.50	4J52	25.00	251A	50.00	833A	35.00	5840	2.50
OB3	.80	4J58	150.00	252A	6.00	836	1.25	5841	3.25
OC3	.50	4J59	150.00	253A	1.50	837	.90	5845	4.85
OD3	.35	4J61	200.00	254A	2.00	838	2.50	5852	2.50
1AD4	1.50	4PR60A	45.00	257A	3.50	842	4.50	5854	2.00
1AE4	1.25	4X150A	8.85	FG-258A	75.00	845	7.50	5876	7.00
1B24A	8.85	4X250B	32.50	259A	3.50	850	20.00	5879	1.00
1B35A	4.25	4X500F	100.00	262B	3.50	851	25.00	5881/6L6WGB	2.00
1B63A	14.00	5BP1A	12.50	267B	7.50	866A	2.00	5886	3.50
C1K	6.00	5C22	17.50	271A	10.00	866 JR	2.50	5894	15.00
1P21	35.00	5CP1A	10.50	272A	4.00	872A	2.50	5896	1.50
1P22	5.00	5J26	50.00	274A	3.00	874	.65	5899A	2.75
1P25	10.00	5LP1	7.50	275A	4.00	884	1.00	5902	2.85
1P28	20.00	5R4GY	1.00	283A	3.50	885	.50	5903	5.00
1P29	2.50	5R4WGY	2.50	287A	2.50	889RA	75.00	5932/6L6WGA	5.00
2-O1C	12.50	5RP1A	10.00	293A	4.50	913	7.50	5933/807W	5.00
2AP1A	5.00	5RP7A	75.00	HF-300	30.00	918	.75	5948/1754	150.00
2BP1	6.00	5RP11A	20.00	300B	5.50	927	1.50	5949/1907	100.00
2C36	25.00	5SP1	25.00	304TH	30.00	931A	4.00	5956/E-36A	15.00
2C39	3.75	5SP7	25.00	304TL	40.00	954-958	.35	5963	.85
2C39A	7.50	5Y3WGT	1.25	310A	3.75	959	.75	5964	.85
2C39B	18.75	6AC7W	.40	311A	3.00	1000T	97.50	5965	.75
2C40	6.50	6AG7Y	1.00	313C	1.00	CK-1006	1.85	5975	2.00
2C43	7.50	6AN5	1.75	323A	6.50	1237	2.00	5977/6K4A	2.00
2C50	5.00	6AN5WA	3.00	328A	2.50	VC-1258	12.50	5979/BS-1	10.00
2C51	1.50	6AS6	1.00	329A	4.00	HY-1269	3.00	5980/BS-2	5.00
2C52	1.75	6AS7G	2.35	332A	7.50	1500T	150.00	5981/5650	25.00
2C53	8.50	6BL6	30.00	336A	2.50	1603	4.75	5992	2.50
2D21	.60	6BM6A	35.00	337A	3.00	1614	2.50	5993	5.00
2D21W	1.00	6C4W	3.00	339A	4.00	1619	.15	6004	.50
2E24	2.50	6C21	12.50	347A	1.50	1620	3.75	6005/6AQ5W	1.50
2E26	2.85	C6J	12.50	348A	3.25	1624	1.00	6012	5.00
2J42	60.00	6J4	1.00	349A	2.00	1846	50.00	6021	2.00
2J51	75.00	6J4WA	1.50	350A	3.50	2000T	200.00	6032	25.00
2K22	25.00	6J6W	.60	350B	3.50	2050	1.25	6037/QK-243	25.00
2K25	9.00	C6L	2.50	352A	6.50	2050W	2.00	6045	1.50
2K26	35.00	6L6GAY	1.00	354A	10.00	ZB-3200	50.00	6072	2.00
2K28	30.00	6L6WGA	5.00	355A	10.00	5528/C6L	2.50	6073	1.25
2K29	30.00	6L6WGB	2.00	F-375A	7.50	5545	15.00	6074	1.75
2K30	75.00	6L6Y	1.25	393A	5.00	5586	150.00	6080	3.00
2K33A	150.00	6Q5G	2.00	394A	3.00	5636	1.50	6080WA	5.00
2K34	100.00	6SJ7WGT	1.00	396A/2C51	2.50	5639	2.00	6082	3.00
2K35	250.00	6SL7WGT	1.25	398A/5603	4.50	5642	1.50	6087/5Y3WGTB	3.00
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2K56	75.00	12AY7	1.00	417A/5842	10.00	5667	100.00	6136/6AU6WA	1.40
2P21	35.00	12DP7	10.00	418A	15.00	5670	1.50	6137/6SK7WA	1.50
2X2A	1.00	12GP7	15.00	420A/5755	5.50	5672	1.00	6146	3.75
3AP1	1.75	16F	15.00	421A/5998	7.50	5675	7.50	6152	4.50
3B23/RK-22	2.50	C16J	28.50	422A	10.00	5676	1.25	6186/6AG5WA	1.75
3B24	.75	FG-17	4.25	423A/6140	5.00	5678	1.25	6189/12AU7WA	1.85
3B24W	3.50	HK-24	1.00	429A	9.00	5684/C3J/A	10.00	6197	1.85
3BP1A	7.50	25T	7.50	GL-434A	5.00	5685/C6J/A	15.00	6199	35.00
3B25	3.00	25Z6WGT	2.00	450TH	40.00	5686	2.35	6201/12AT7WA	1.75
3B28	4.00	26Z5W	1.25	450TL	40.00	5687	2.50	6202/6X4WA	1.50
3C22	40.00	FG-27A	20.00	SS-501	7.00	5691	5.25	6211	1.00
3C23	5.75	FG-32	7.50	575A	12.50	5692	4.25	6216	2.75
3C24/24G	3.50	35T	7.50	578	5.00	5693	3.75	6263	9.00
3C45	5.00	35TG	2.50	KU-627	5.00	5702WA	3.00	6264	9.00
3D22	9.50	FG-41	75.00	631-P1	5.00	5703WA	3.00	6265	2.25
3E22	3.00	FP-54	50.00	673	12.50	5704	1.00	6279/5C22	20.00
3E29	5.00	FG-57	10.00	676	27.50	5718	1.75	6282/BL-11	50.00
3GP1	2.00	RK-60/1641	1.25	677	32.50	5719A	1.75	6299	30.00
C3J	8.50	RK-61	2.50	701A	3.35	5721	125.00	6328	5.75
3J21	35.00	FG-67	7.50	707B	1.00	5725/6AS6W	1.25	6336	9.50
3J31	50.00	HY-69	3.00	715B	3.00	5726/6AL5W	.75	6352	8.50
3K21	150.00	BL-75	4.50	715C	10.00	5727/2D21W	1.25	6386	5.00
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3X2500A3	125.00	102D	2.50	725A	5.00	5750/6BE6W	1.50	6544	500.00
4-65A	17.00	FG-104	25.00	726A	2.00	5751/12AX7W	1.50	6550	4.25
4-125A	26.00	FG-105	33.35	726B	4.00	5763	1.50	6626/OA2WA	2.25
4-250A	36.50	121A	1.25	726C	7.50	5777	150.00	6627/OB2WA	2.25
4-400A	38.00	122A	2.50	750TL	87.50	5778	150.00	6655	40.00
4-1000A	100.00	F-123A	5.00	802	4.00	5784	2.50	6754	5.00
4B31	15.00	F-128A	30.00	803	3.50	5787	2.50	6784	250.00
4C27	7.50	F-129B	100.00	804	15.00	5799/VX-21	3.00	6897	18.75
4C33	100.00	FG-172	17.50	805	4.50	5800/VX-41	3.50	8000	15.00
4C35	13.75	HF-200	25.00	807	1.25	5801/VX-33A	3.00	8002R	100.00
4E27	9.50	211H	7.50	809	3.75	5802/VX-32B	3.50	8005	8.00
4J30	75.00	212E	25.00	810	15.00	5803/VX-55	2.00	8013	1.50
4J31	125.00	231D	1.25	811A	4.75	5814A	1.50	8013A	3.50
4J32	125.00	242C	10.00	813	10.00	5819	45.00	8014A	35.00
4J33	125.00	244A	2.50	814	1.50	5824	2.50	8020	5.00
4J34	75.00	245A	3.50	815	1.50	5828	3.00	8025	4.00
4J35	125.00	249B	7.50	816	1.75	5829	1.00	9003	1.50
4J38	75.00	249C	7.50	828	8.50	5829WA	1.50	9005	3.00
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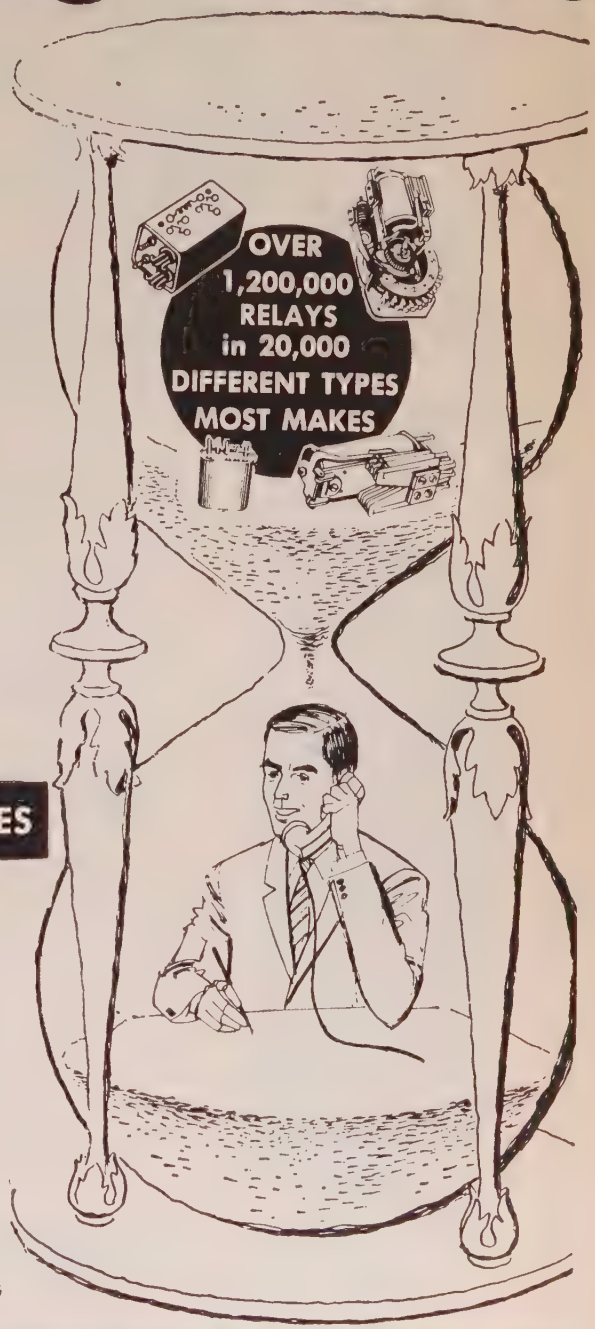

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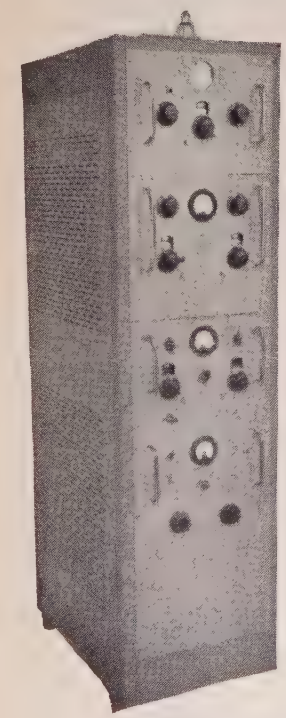

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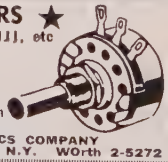

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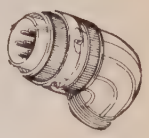
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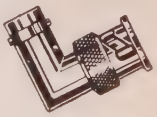
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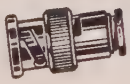
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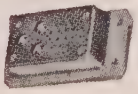
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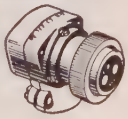
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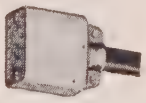

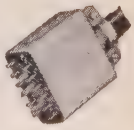

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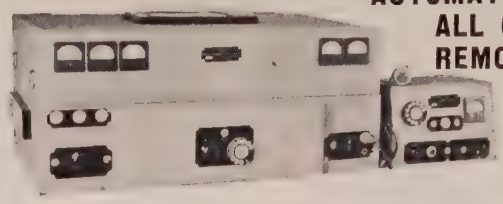

Radio Transmitting Equipment RC-263 consists of Radio Transmitter BC-1100-A, Remote Control Unit RM-40-A, and Microphone T-27-Q. Radio Transmitter BC-1100-A is a four-channel crystal—or master-oscillator controlled, 75-watt radio telegraph or 50-watt radio telephone transmitter (conservative ratings). It operates in the frequency range from 1,500 kc to 10,000 kc and is suitable for remote control over two pairs of telephone lines. The radiated radio telephone signals are amplitude modulated. Remote Control Unit RM-40-A consists of a microphone amplifier, line level indicating meter, microphone supply rectifier and switching circuits, and pulse dial to control relays in Radio Transmitter BC-1100-A and performs all necessary functions, such as channel selection. Power-on or off, cw or phone, etc.

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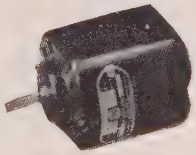

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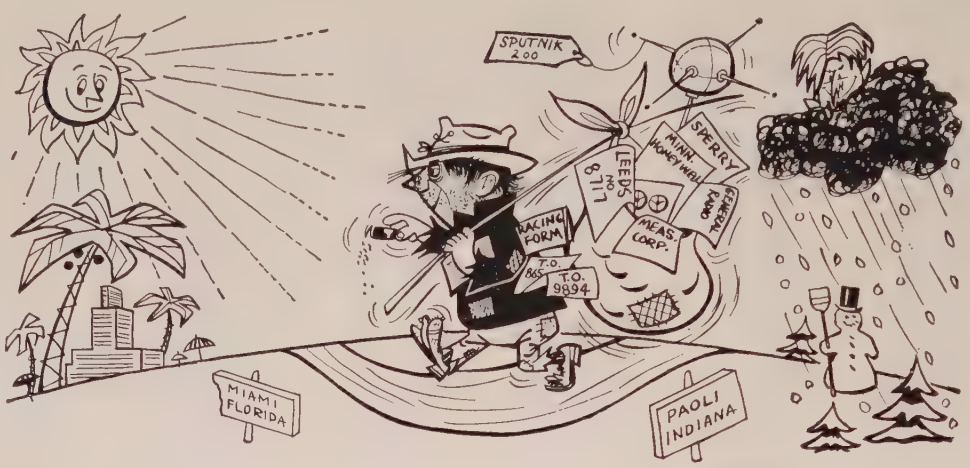

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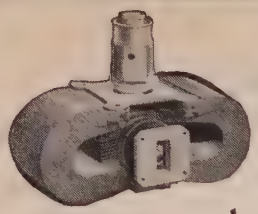

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REFERENCE SECTION OF THE 1960-61 electronics BUYERS' GUIDE

MARKET DATA charts and tables that tell at a glance how sales are faring in the military, industrial, consumer and components markets

MATERIALS FOR COMPONENTS information on the major properties of plastics, laminates, metals, ceramics, wire and solder used in making components and assemblies

SPECIFICATIONS AND SERVICES comprehensive listings of industrial and professional organizations serving the industry with a roundup of commercial and military specifications

DESIGN DATA reference sheets which provide useful shortcuts in engineering

NOTE: This punch-out tab is for your future convenience in locating the 64-page reference section. PUSH OUT-FOLD

DETAILED INDEX ▶

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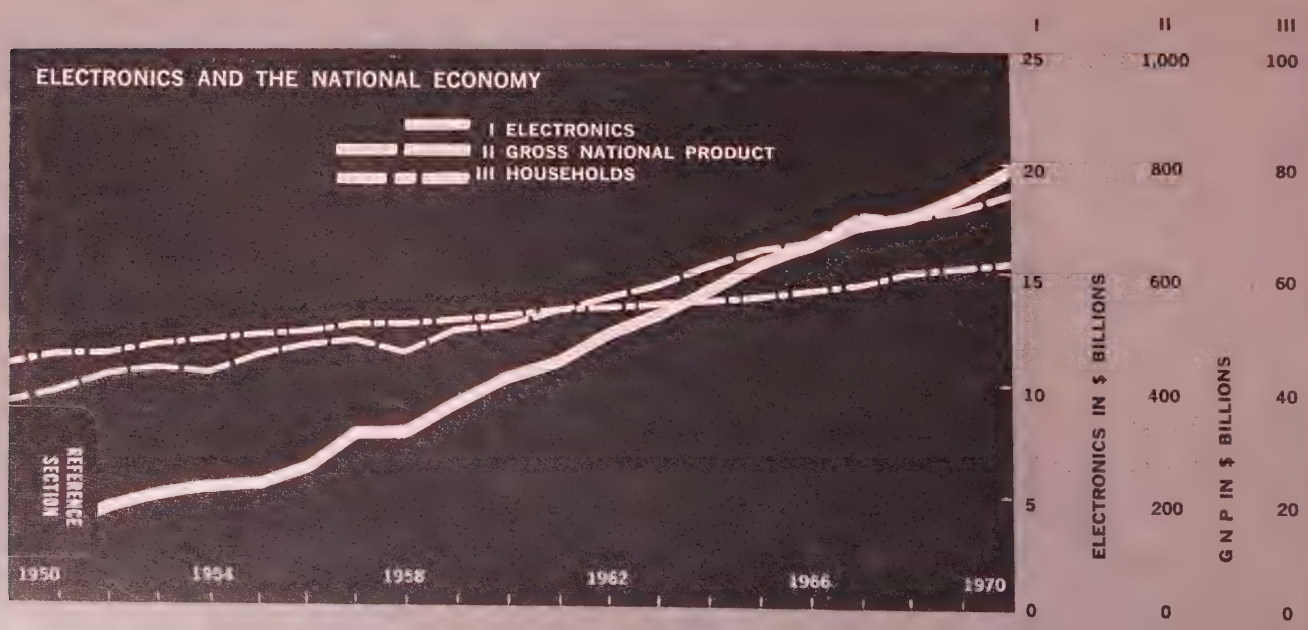


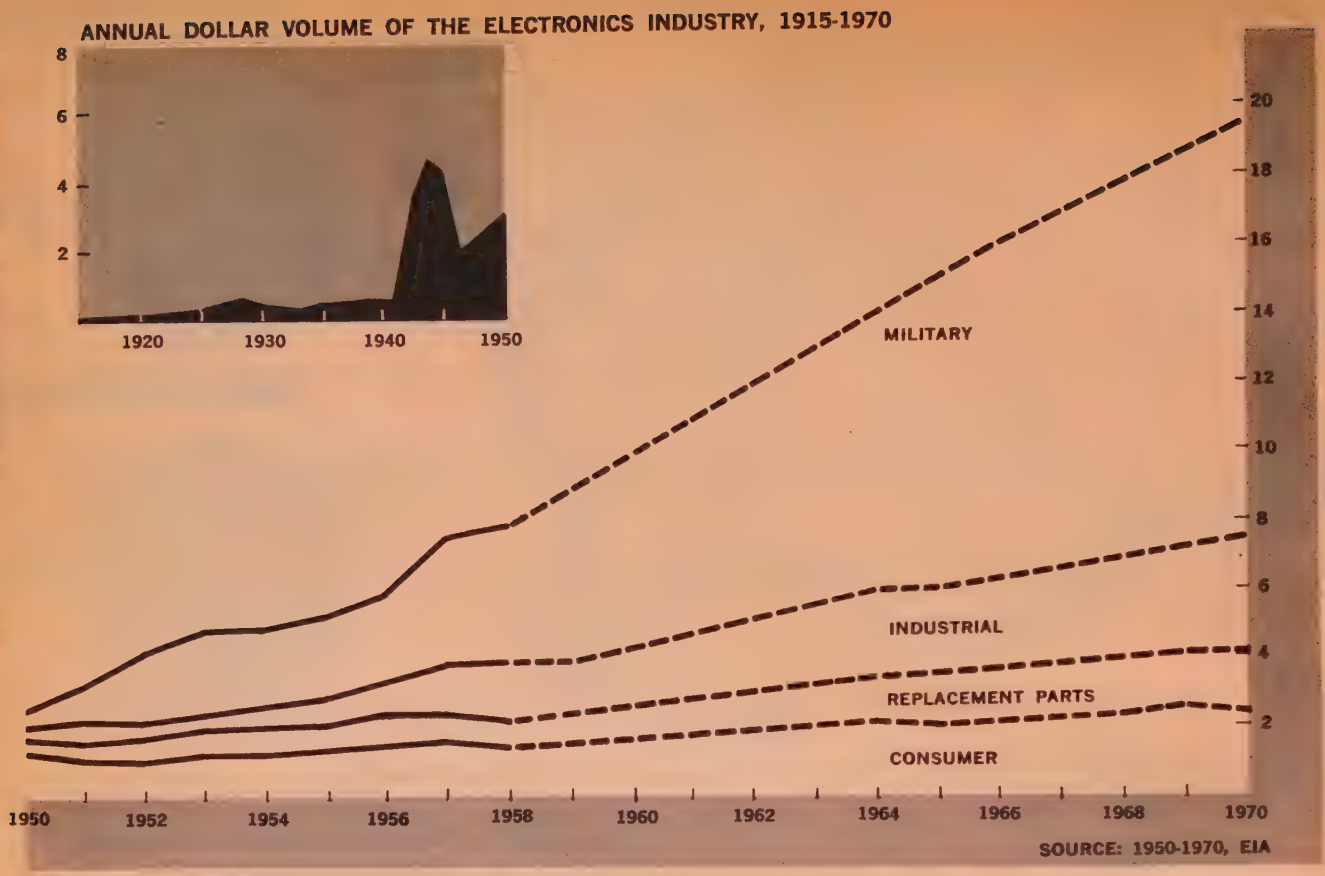
REGIONAL DISTRIBUTION OF THE ELECTRONICS INDUSTRY differs from the general distribution of industry in the United States. The electronics industry is even more heavily concentrated in the New England, Middle Atlantic, West North Central and Pacific regions. Together these four regions have 82 percent of electronics employees and 84 percent of engineers. This map, resulting from a survey made by ELECTRONICS Buyers' Guide in 1959, can be used to orient and evaluate sales campaigns on a regional basis

The Electronics Market

The BIG PICTURE

EIA FORECASTS OF FACTORY SALES, IN BILLIONS OF DOLLARS

Year	Consumer	Replacement	Industrial	Military	Total
1960	1.8	1.04	1.7	5.75	10.29
1961	1.9	1.13	1.88	6.31	11.22
1962	2	1.22	2.08	6.85	12.15
1963	2.1	1.31	2.24	7.68	13.33
1964	2.2	1.4	2.42	8.38	14.40
1965	2.26	1.48	2.5	9.01	15.25
1966	2.32	1.55	2.68	9.63	16.18
1967	2.38	1.61	2.86	10.19	17.04
1968	2.44	1.66	3.04	10.63	17.77
1969	2.5	1.7	3.22	11.33	18.75
1970	2.54	1.73	3.4	12.05	19.72



EIA ESTIMATES FOR 1959

In his year-end statement, David R. Hull, Electronics Industry Association president, estimated total 1959 sales were $9.2 billion. The estimate was broken down as follows:

Consumer products: $2.05 billion, up $450 million from 1958

Military electronics: $4.5 billion, up $400 million from 1958

Industrial electronics: $1.55 billion, up $170 million from 1958

Replacement parts, tubes and semiconductors: $1.1 billion, up $240 million from 1958

The forecast for 1960 is $10.35 billion in total sales

OUTLOOK FOR 1960: BDSA

Business and Defense Services Administraton, Department of Commerce, sees excellent sales prospects for all electronics product lines in 1960. Total sales are expected to reach $10 billion. Percentage increases by product category follow:

Consumer products: up 8 percent

Military electronics: up 15 percent or more

Industrial electronics: 10 percent

Electron Tubes: up 5 to 6 percent

Semiconductor devices: up 30 percent

Other electronic components: up 12 percent

Estimates of the dollar and unit volumes of sales of electronic equipment and components generally vary by as much as 10 percent, according to the methods of gathering and analyzing statistics. This is particularly true in the case of military electronics because many military programs are not readily broken down into electronic and non-electronic categories. The statistics presented in this section should be considered as the best approximations of the sources cited. Their main purpose is to serve as guides to trends in the electronics market and as aids in planning and marketing the services, materials, components and equipment used and sold by the electronics industry

* * *

Military and Government Markets

About 58 percent of all electronics sales last year were made to military customers. Here is a roundup of data on the military market and other significant government purchasers

Electronic Devices in Guided Missile Systems

ACTIVE RADAR HOMING:

Missileborne: Radome, antenna, free-space reference gyros. Radar transmitter, radar receiver, tracking servo system (to position antenna).

Fuzing system: Safety and arming device (accelerometer, relay interlock), triggering device (contact fuze, proximity fuze).

Control unit: Missile motion reference (rate gyro, integrating gyro, accelerometer), control surface positioning device (hydraulic actuator, hot-gas actuator, servo motor), control surface position indicator (potentiometer, synchros, resolver, induction pickoff).

Power supply: Generator, battery, transformer, rectifier, inverter, voltage regulators.

Ground and/or interceptor: acquisition and tracking radars, computer, tracking servo systems, antennas.

SEMIACTIVE AND PASSIVE RADAR HOMING:

Essentially the same as Active Radar Homing minus radar transmitter.

BEAM RIDER:

Missileborne: Radar receiver, control amplifiers, gyros (rate, free), accelerometers, servo amplifiers, fuzing devices.

Launcher: Guidance radar, launch zone analog computer, reference system (inertial gyros), launching pylon with connectors and control panel for monitoring and firing including umbilical connector (squib).

Shipboard: Three radars, analog computer, central target control console, remote display, combat information center, communications equipment between stations. Servo amplifiers and actuators to train missile in prelaunch direction, reference system.

RADIO COMMAND:

Missileborne: Communications link receiver, antennas (parabolic, dipole, lens, slots, horns, traveling wave), gyros, pulse transponders, c-w transponders, electronic servo systems, electronic detonation system, analog computer, command decoder.

Surface system: Analog computers, digital computer, data encoder, pulse radar, c-w radar, short-base-line radar, long-base-line radar using microwave interferometers.

INFRARED:

Missileborne: Infrared dome, infrared telescope, free-space reference (gyros: free, rate), positioning device (clutches, servo motors, actuators), position indicator (potentiometer, synchros, resolvers, induction pick-offs), focusing device (mirrors, lens), spectral filter, scanning device, detector cell, detector cooler.

Fuzing device, control unit and electrical power supply are same as for Semiactive Radar Homing.

INERTIAL:

Missileborne: Gyros (free, rate, integrating), precision amplifiers, accelerometers (gyro, drag cup, other forced feedback), servo amplifiers, synchros, analog computers, digital computers, operational amplifiers, function generators, instrument servo amplifiers (for tachometers, potentiometer drives), master voltage reference apparatus, power supplies, crystal oscillators, amplifiers, antennas (flush, vane, slot), infrared components, radiobeacons, recovery aids, arming switch, telemetry subcarrier oscillators, telemetry transmitter, tape recorders, sensors.

Ground and/or mother vehicle: Signal simulators, meters, optical alignment devices, telemetry, receivers and recorders, analog computer, digital computers, star trackers, theodolite, target information computer, temperature control unit, check out, launcher control equipment, automatic checkout equipment, programming devices.

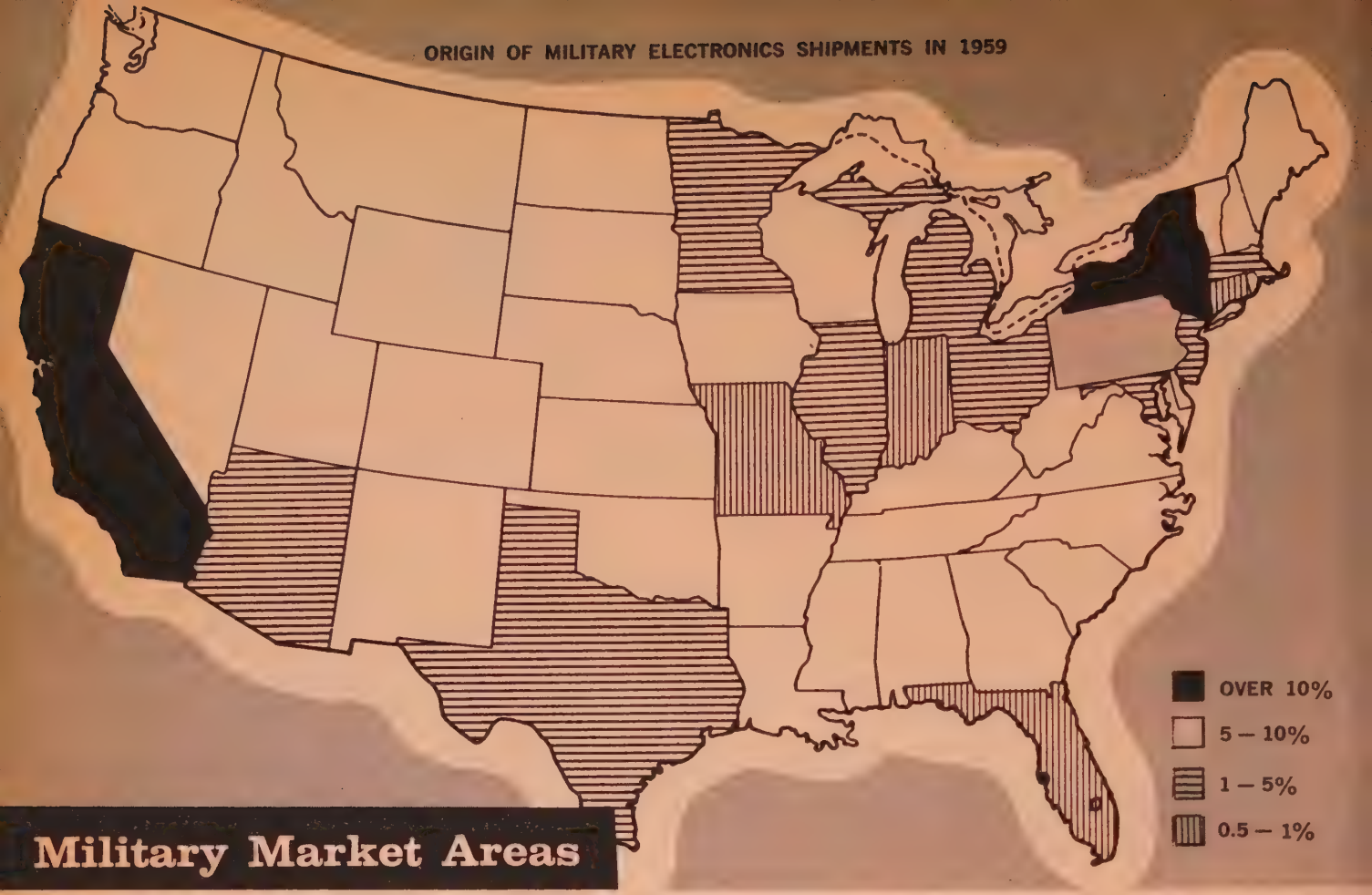
STELLAR-INERTIAL:

Same as for inertial plus star tracking telescopes, photocell amplifiers, servo amplifiers and controllers for driving telescope gimbals, gyro torque generators including amplifiers for converting stellar signals into corrective torques for gyros, star catalog and selector (usually part of digital computer), erection amplifiers, analog computers, digital computers, correction computers, astro tracker.

ACOUSTIC HOMING:

Torpedoborne: Transducers, rate gyro, oscillograph, batteries (sea water, nickel cadmium, silver zinc), relays (d-c, standard and miniaturized), relays (d-c, sensitive, polarized), switches, contact protectors, power supplies.

Shipborne: Echo simulators, vacuum-tube voltmeters, oscilloscopes, remote indicator, scanning switches, receiver, video and audio amplifiers.



Military Market Areas

This map and the accompanying tables show where military electronics shipments originated in 1959. They can be used to assign sales territories for components and subsystems. The statistics, showing percent of total value of shipments by state and metropolitan areas, were compiled by the Business and Defense Services Administration. BDSA placed several areas with large shipments in the "other" category to avoid disclosing proprietary information. ELECTRONICS' estimates of military electronics business in the other states are given in the third table

ORIGIN OF MILITARY ELECTRONICS SHIPMENTS BY STATE AS PERCENT OF TOTAL VALUE

New York	31.28	New Jersey	3.47	Florida	0.81
California	16.36	Arizona	3.27	Missouri	0.78
Pennsylvania	7.67	Ohio	2.14	Indiana	0.55
Massachusetts	4.81	Texas	1.99	Connecticut	0.54
Maryland	4.62	Minnesota	1.86	Wisconsin	0.42
Illinois	3.51	Michigan	1.27	Other	14.65

MILITARY ELECTRONICS MARKETS IN OTHER STATES IN PERCENT OF TOTAL (ELECTRONICS ESTIMATES)

Virginia	1.4	Alabama	0.6	New Hampshire	0.3
Washington	1.2	Colorado	0.5	Arkansas	0.2
Tennessee	0.9	Oklahoma	0.5	Utah	0.2
Iowa	0.9	Kentucky	0.5	New Mexico	0.2
Georgia	0.8	Louisiana	0.4	W. Virginia	0.2
N. Carolina	0.8	S. Carolina	0.4	Delaware	0.2
Kansas	0.7	Nebraska	0.3	Maine	0.2
Oregon	0.6	Rhode Island	0.3	Others (each)	0.1

* * *

ORIGIN OF MILITARY ELECTRONICS SHIPMENTS BY METROPOLITAN AREA AS PERCENT OF TOTAL SHIPMENTS

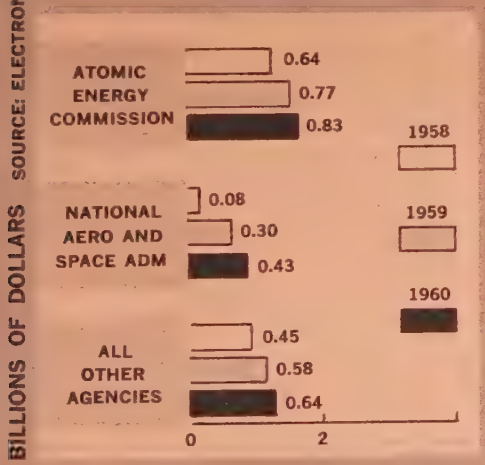
New York (N. Y. and Newark, N. J.)	15.33
Los Angeles (Calif.)	13.94
Philadelphia (Pa., N. J.)	7.21
Boston (Mass.)	4.77
Baltimore (Md.)	4.20
Chicago (Ill.)	2.70
Dallas (Texas)	1.98
Minneapolis-St. Paul (Minn.)	1.85
Buffalo (N. Y.)	1.55
San Diego (Calif.)	1.14
Cincinnati (Ohio, Ky.)	1.06
Washington (D. C., Md., Va.)	1.05
San Francisco-San Mateo (Calif.)	1.05
Tampa-St. Petersburg (Fla.)	0.57
St. Louis (Mo., Ill.)	0.46
Milwaukee (Wis.)	0.36
Cleveland (Ohio)	0.35
Manchester (N. H.)	0.16
Stamford-Norwalk (Conn.)	0.16
Kansas City (Kans., Mo.)	0.13
Indianapolis (Ind.)	0.02
Other	39.96

More Than a Score of Missiles are in Production

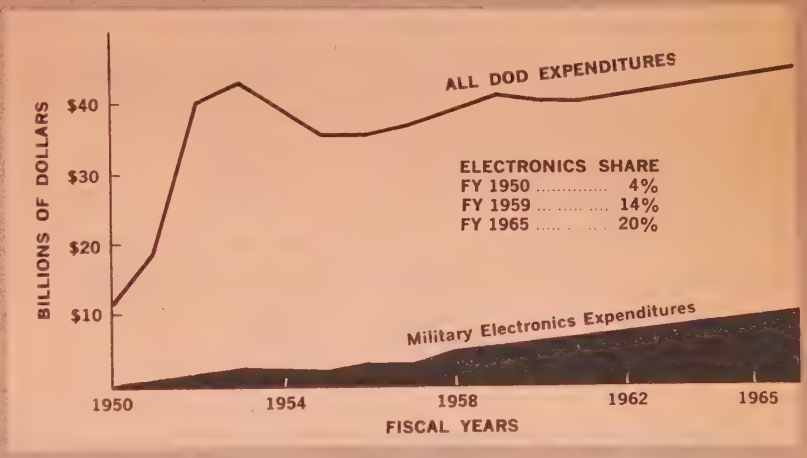
Missile	Category	Service	Range	Prime Contractor	Guidance Contractor	Status (a)
INERTIAL						
Hound Dog	air-to-surf	USAF	500	No. Amer.	No. Amer.	P
Jupiter	surf-to-surf	Army	1,500	Chrysler	Ford Inst.	P, O
Mace	surf-to-surf	USAF	650	Martin	AC/Goodyear	P, O
Minuteman	surf-to-surf	USAF	5,500	Boeing	No. Amer.	D
Pershing	surf-to-surf	Army	500	Martin	Bendix	R, D
Polaris	surf-to-surf	Navy	1,500	Lockheed	GE	D, P
Redstone	surf-to-surf	Army	250	Chrysler	Ford Inst.	P, O
Regulus II	surf-to-surf	Navy	1,000	Ch. Vought	AC Spark Plug	O
Sergeant	surf-to-surf	Army	200	JPL/Sperry	Sperry	D, P
Thor	surf-to-surf	USAF	1,500	Douglas	AC Spark Plug	P, O
STELLAR-INERTIAL						
Snark	surf-to-surf	USAF	5,000	Northrop	Northrop	P, O
RADIO-INERTIAL						
Atlas	surf-to-surf	USAF	6,300	Convair	GE/Burroughs/Arma	D, P, O
Slam	surf-to-surf	USAF		Ch. Vought		R
Titan	surf-to-surf	USAF	5,500	Martin	AC/BTL/Rem Rand/IBM	R, D, P
ATRAN						
Mace	surf-to-surf	USAF	650	Martin	Goodyear A/C	P, O
SEMIACTIVE OR ACTIVE RADAR HOMING						
Falcon	air-to-air	USAF		Hughes	Hughes	P, O
Hawk	surf-to-air	Army	22	Raytheon	Raytheon	R, D, P
Sparrow III	air-to-air	Navy		Raytheon	Raytheon	D, P, O
Tartar	surf-to-air	Navy	10	Convair	Raytheon	D, P
Eagle	air-to-air	Navy	30	Bendix	Bendix	R, D
PASSIVE RADAR HOMING						
Corvus	air-to-surf	Navy	75	Temco	TI/Maxson	D
Crossbow	air-to-surf			Northrop		D
BEAM RIDER						
Sparrow I	air-to-air	Navy	5	Sperry	Sperry	O
Terrier	surf-to-air	Navy	10	Convair	Sperry	P, O
BEAM RIDER PLUS SEMIACTIVE RADAR HOMING						
Talos	surf-to-air	Navy	65	Bendix	Sperry	P
RADIO COMMAND						
Bullpup	air-to-surf	Navy	3	Martin	Martin	P, O
Cobra	surf-to-surf	USMC		Daystrom		R, D, P
Corporal	surf-to-surf	Army	75	Firestone	Gilfillan	P, O
Lacrosse	surf-to-surf	Army	20	Martin	Martin	P, O
Nike-Ajax	surf-to-air	Army	50	West. Elec.	West. Elec.	O
Nike-Hercules	surf-to-air	Army	100	West. Elec.	West. Elec.	P, O
Rascal	air-to-surf	USAF	100	Bell A/C	Texas Inst.	O
Regulus I	surf-to-surf	Navy	500	C. Vought	Sperry	O
RADIO COMMAND PLUS ACTIVE RADAR HOMING						
Bomarc	surf-to-air	USAF	400	Boeing	Westinghouse	D, P
RADIO COMMAND PLUS SHANICLE (HYPERBOLIC)						
Matador	surf-to-surf	USAF	500	Martin	Martin	O
RADIO COMMAND PLUS UNKNOWN						
Nike-Zeus	anti-ICBM	Army		West. Elec.	Bell Tel/Sanders	D
INFRARED HOMING						
Falcon	air-to-air	USAF		Hughes	Hughes	P, O
Redeye	surf-to-air	A/USMC		Convair	Philco	R, D
Sidewinder	air-to-air	Navy		Philco/GE	Philco/GE	D, P, O
AUTOPILOT						
Quail	air-to-surf	USAF	200	McDonnell	McDonnell	P

(a) Key: R, research; D, Development; P, production; O, operational

Federal Spending Anticipated for New R & D Projects — Nonmilitary



Department of Defense Expenditures Vs Military Electronics Expenditures



Estimated Electronics Defense Procurement in the Calendar Years 1956-1960

Category	1956	1957	1958	1959	1960
	(MILLIONS OF DOLLARS)				
Research and Development	282	297	635	870	1,000
Operation and Maintenance	....	....	800	890	950
Aircraft	1,116	1,560	1,820	1,705	1,513
Missiles	867	1,100	1,055	1,481	1,708
Communications and Electronics	769	900	525	798	963
Marine and Vehicular	92	88	....	191	177
Total	$3,126	$3,945	$4,835	$5,935	$6,311

Source: ELECTRONICS

ELECTRONICS IN THE FEDERAL BUDGETS FOR FISCAL YEARS 1960 AND 1961

	FISCAL 1960 OBLIGATIONS	FISCAL 1960 ESTIMATED EXPENDITURES	FISCAL 1961 OBLIGATIONS	FISCAL 1961 ESTIMATED EXPENDITURES
	(All figures in millions of dollars)			
DEPARTMENT OF DEFENSE				
Aircraft Electronics	$1,485.0	$1,667.5	$1,503.2	$1,506.7
Missile Electronics	1,239.0	1,225.0	1,331.7	1,217.6
Shipborne Electronics	75.0	82.5	87.0	82.2
Communications and Other	1,067.2	920.0	985.5	879.2
Research, Development, Test and Evaluation	1,200.0	1,000.0	1,200.0	1,100.0
DEPARTMENT OF DEFENSE TOTAL	$5,066.2	$4,895.0	$5,107.4	$4,885.7
FEDERAL AVIATION AGENCY				
Air Traffic and other Facilities	$ 88.6	$ 75.0	$ 146.2	$ 105.0
RESEARCH and Development	24.3	18.0	32.5	25.0
FAA TOTAL	$ 112.9	$ 93.0	$ 178.7	$ 130.0
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION				
Tracking and other Facilities	$ 22.2	$ 10.9	$ 22.3	$ 17.5
Research and Development	80.0	48.2	138.2	87.5
NASA TOTAL	$ 102.2	$ 59.1	$ 160.5	$ 105.0
POST OFFICE Modernization Program	$ 40.0	$ 40.0	$ 40.0	$ 40.0
NATIONAL BUREAU OF STANDARDS R&D	$ 8.6	$ 8.4	$ 9.8	$ 9.7

The government has no official breakdown for electronics purchases or for electronics research programs. Officials use estimates as to the percentage of a program which involves electronics. For example, the official estimate of the amount of aircraft procurement which represents electronics is 25 percent: since the total allocation for aircraft procurement in fiscal 1961 is $6,027 million, electronics' share comes to $1,506.7 million. Here are the percentage figures used in compiling this table:

DEPARTMENT OF DEFENSE Aircraft, 25 percent; Missiles, 35 percent, Shipborne Electronics, 5 percent; Research, Development, Test and Evaluation, 25 percent; Communications and Others, 50 percent. FAA Air Traffic and Other Facilities, 75 percent; Research and Development, 50 percent. NASA Tracking and Other Facilities, 25 percent; Research and Development, 25 percent. POST OFFICE 50 percent. NATIONAL BUREAU OF STANDARDS 50 percent.

SOURCE: ELECTRONICS

MAJOR CONTRACTORS

Department of Defense reports that of the 100 contractors receiving the largest amount of contract awards in fiscal year 1959, 59 are aircraft and missile manufacturers. Missile and aircraft manufacturers represent 64 percent of those companies receiving contracts over $500,000 and electronics contractors another 11 percent. Contractors awarded more than $250 million are listed below, with contract values in millions of dollars:

General Dynamics	1,600	A T & T	476
Boeing Airplane	1,167	McDonnell Aircraft	403
North American	1,018	Sperry Rand	403
General Electric	914	Raytheon	393
Lockheed Aircraft	898	Chrysler	323
Douglas Aircraft	676	Grumman Aircraft	300
United Aircraft	538	Republic Aviation	280
Martin	524	IBM	277
Hughes Aircraft	494	Bendix	271

HOW MUCH PROFIT?

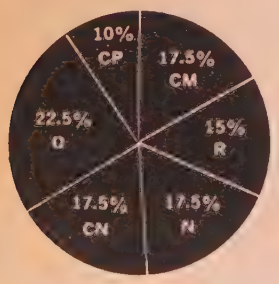
A recent report in *Electronics Markets*, a McGraw-Hill Publication, outlined the following government contract profit ranges, as revealed by the individual military services:

Army: A range of 7 to 10 percent of estimated cost on negotiated supply contracts. R & D contracts yield 4 to 9 percent, excluding bid awards

Navy: Average profit under fixed fee for R & D is 6.5 percent. The range is 8 to 15 percent on costs of fixed price incentive cost contracts

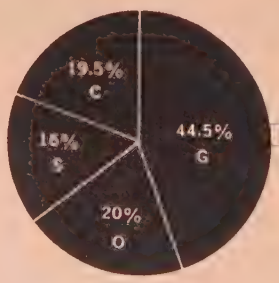
Air Force: Air Research and Development Command contract profits run from 4 to 10 percent with the average at 6 percent. The profit on most Air Material Command contracts is 4 to 7 percent

All companies doing over $1 million in government business must file with the Renegotiation Board, which may weigh profit percentage against such factors as risk, product performance and delivery date.



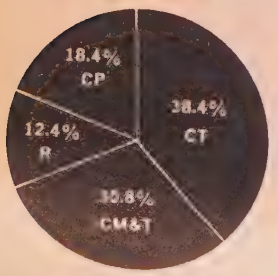
AIRCRAFT

$1,700 MILLION



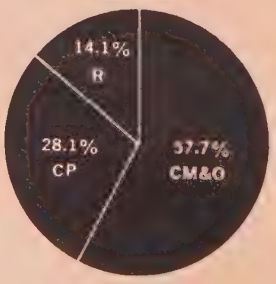
MISSILE — AIR

$620 MILLION



MISSILE — GROUND

$650 MILLION



AIR DEFENSE

$710 MILLION

AIR FORCE PROCUREMENT BY EQUIPMENT TYPE

CM — Communications
CN — Controls
CP — Computers
CT — Checkout & Test
G — Guidance
N — Navigation
R — Radar
S — Servosystems
T — Telemetry
O — Other

Non-Segregated $375 MILLION
Based on an
ARTHUR D. LITTLE SURVEY for 1959

Military Electronic Procurement Guide

Comprehensive listing of the military offices and bases which purchase electronics systems, components and associated equipment. Listing of nonmilitary items distributed through GSA is included

U.S. AIR FORCE AIR MATERIAL COMMAND

Air Material Command,
Aeronautical Systems Center,
Wright-Patterson
Air Force Base, Ohio.
Attn: Directorate of
Procurement and Production

Purchases: aircraft navigation equipment; meteorological, flight, time-measuring, testing and engine instruments; automatic pilot mechanisms and airborne gyros; airborne radio and radar equipment; ground support equipment; training devices; research and development

Ballistic Missiles Center,
Air Force Unit Post Office,
Los Angeles 45,
California.
Attn: Directorate of
Procurement and Production

Purchases: guidance systems, components, test and ground support equipment for ballistic missiles and space vehicles

Dayton Air Force Depot,
Gentile Air Force Station,
Dayton, Ohio.
Attn: Directorate of
Procurement and Production

Purchases: airborne radio, radar and navigational equipment and components; airborne communications equipment; electrical and electronic equipment components; laboratory and shop test inspection equipment and maintenence parts

Memphis Air Force Depot,
Mallory Air Force Station,
3300 Jackson Avenue,
Memphis, Tennessee.
Attn: Directorate of
Procurement and Production

Purchases: engine electrical systems components

Electronics Defense Systems Division,
220 Church St., New York, New York

Purchases: engineering management and services for the SAGE, DEW-Line and BMEWS systems

Rome Air Force Depot,
Griffis Air Force Base, Rome, New York
Attn: Directorate of
Procurement and Production

Purchases: ground radio, radar and navigational equipment; meteorological equipment; instruments (except airborne) and supplies; ground communications equipment and parts; electrical apparatus; development, engineering and installation services for electronics support systems and ground electronics systems

Air Force Air Material Areas (AMC Supply Bases)

Middletown Air Material Area,
Olmstead Air Force Base,
Middletown, Pennsylvania.
Attn: Directorate of
Procurement and Production

Purchases: miscellaneous instruments and laboratory equipment; electrical meters (main interest is airframe and engine parts, fuel, chemicals, cargo-handling equipment and clothing)

Sacramento Air Material Area,
McClellan Air Force Base,
Sacramento, California.
Attn: Directorate of
Procurement and Production

Purchases: electrical generators and generator sets

San Antonio Air Material Area,
Kelly Air Force Base, San Antonio, Texas.
Attn: Directorate of
Procurement and Production

Purchases: atomic ordnance; miscellaneous aircraft accessories and components; hazard detecting instruments; engine electrical system components

Warner Robins Air Material Area,
Robins Air Force Base, Macon, Georgia.
Attn: Directorate of
Procurement and Production

Purchases: production machinery for metalworking, rubber-working, textile and woodworking industries

Air Force Air Research and Development Command

ARDC Headquarters,
Air Research and Development Command,
Andrews Air Force Base, Wash. 25, D. C.
Director of
Procurement: Col. J. D. Prodgers

Air Force Office of Scientific Research,
Washington 25, D. C.
Director of Procurement,
Lt. Col. A. L. Thayer

Air Force Cambridge Research Center,
L. G. Hanscom Field, Bedford, Mass.
Director of Procurement,
Mr. W. J. Irivin

Procurement: geophysics, electronics and related physical sciences, human engineering

Air Force Missile Test Center,
Patrick Air Force Base, Florida.
Director of Procurement:
Col. P. R. Cornwall

Procurement: test range instrumentation

Air Force Missile Development Center
Holloman Air Force Base,
New Mexico.
Director of Procurement: Maj. C. La Barr

Procurement: guided missiles, target drones, test range instrumentation, space biology

Air Proving Ground Center,
Eglin Air Force Base, Florida.
Director of Procurement: Lt. Col. Duke

Procurement: fire control systems and components

Air Force Flight Test Center,
Edwards Air Force Base, California.
Director of Procurement: Lt. Col. I. Venable

Procures: flight test instrumentation and related equipment

Air Force Special Weapons Center,
Kirtland Air Force Base, New Mexico.
Director of Procurement:
Lt. Col. M. M. Packard

Procures: atomic weapons equipment

Arnold Engineering Development Center,
Tullahoma, Tennessee.
Director of Procurement: Mr. J. Fuqua

This center is composed of facilities and associated equipment for aerodynamics and for testing supersonic and hypersonic aircraft and engines

Rome Air Development Center,
Griffis Air Force Base, Rome, New York.
Director of Procurement: Col. H. Burhanna

Procures: ground electronic systems; radar, automatic flight, missile guidance equipment; data transmission, radio and wire communications equipment; air navigation and terminal aids; countermeasures

Wright Air Development Center,
Wright-Patterson Air Force Base, Ohio.
Director of Procurement:
Lt. Col. T. Watkins

Procures: Guidance and Control Systems; airborne electronics equipment; aero-medical equipment

ARDC Regional Offices

ARDC activities and potential research and development projects may be discussed with engineers stationed at the following locations. Address: USAF Air Research and Development Command Regional Office—

Alabama: Redstone Arsenal,
Building 5413, Redstone Arsenal

California: (ARDC Regional Office)
6331 Hollywood Boulevard,
Los Angeles 28;
Ames Aeronautical Laboratory,
Moffet Field; (ARDC Regional Office)
San Francisco Bay Area, 1176 Los Altos Avenue, Los Altos;
Naval Air Missile Test Center,
Point Mugu; or
Naval Ordnance Test Station, China Lake

Illinois: (ARDC Regional Office)
Room 615, La Salle Building,
39 South La Salle Street, Chicago 3

Maryland: Aberdeen Proving Ground;
or Applied Physics Laboratory,
The Johns Hopkins University,
Silver Springs

Massachusetts:
Massachusetts Institute of Technology,
68 Albany Street, Cambridge

Michigan:
Willow Run Laboratories, Ypsilanti

New Jersey: United States Army Signal Engineering Laboratories, Fort Monmouth;
or Bell Telephone Laboratories, Whippany

New York: (ARDC Regional Office)
346 Broadway, New York 13; or
Naval Training Devices Center,
Port Washington

Ohio:
Lewis Flight Propulsion Laboratories,
20100 Brookpark Road, Cleveland

Pennsylvania: Naval Air Development and Materiel Center, Johnsville

Virginia: Langley Aeronautical Laboratory,
Langley Air Force Base; or Engineer Research and Development Laboratories,
Corps of Engineers, Fort Belvoir

Washington:
Boeing Airplane Company, Seattle 24

U.S. NAVY

Chief, Bureau of Aeronautics,
Department of the Navy,
Washington 25, D.C.

Purchases: electronic equipment; aeronautical instruments; guided missiles; target drones; aircraft fire-control equipment; research and development on aircraft and missiles

Chief, Bureau of Ordnance,
Department of the Navy,
Washington 25, D.C.

Purchases: fire-control equipment, including radar; torpedoes, depth charges; guided missiles; research and development on missiles and weapons

Chief, Bureau of Ships,
Department of the Navy
Washington 25, D.C.

Purchases: electronic equipment, including radar; radio and other communications equipment and accessories; research and development on materials and electronic equipment

Chief of Naval Research,
Department of the Navy
Washington 25, D.C.

Procures: basic research in electronics, physics and chemistry; coordinates basic research programs for the technical bureaus

Commanding Officer,
Ship Parts Control Center,
Naval Supply Depot,
Mechanicsburg, Pennsylvania

Purchases: gyrocompasses and navigation equipment

Commanding Officer,
Submarine Supply Office,
Rittenhouse Square Building,
19th and Walnut Streets,
Philadelphia 3, Pennsylvania

Purchases: electrical distribution and control equipment

Commanding Officer,
Aviation Supply Office,
700 Robbins Avenue,
Philadelphia 11, Pennsylvania

Purchases: aeronautical electronics equipment and instruments

Commanding Officer,
Electronic Supply Office,
Great Lakes, Illinois

Purchases: electronic maintenance and repair parts in support of existing naval electronic equipment

Director, Special Devices Center,
Office of Naval Research,
Port Washington, New York

Responsible for development and procurement of training aids and devices

The Quartermaster General,
Headquarters, U.S. Marine Corps,
Department of
the Navy, Washington 25, D.C.

Purchases: electronics equipment and spare parts

U.S. ARMY SIGNAL CORPS

Commanding General,
Signal Corps Supply Agency,
225 South 18th Street,
Philadelphia 3, Pennsylvania

Purchases: fixed and mobile communications equipment (except airborne), including radio, radar, telegraph, telephone and related equipment

Commanding Officer,
Laboratory Procurement Office,
Signal Corps Supply Agency,
Fort Monmouth, New Jersey

Procures: research and development

Chief Signal Officer,
U.S. Army Signal Corps,
Room 2D-260, The Pentagon,
Washington 25, D.C.

Supervises research and development. Inquiries on Army research and development projects should be addressed to Chief, Research and Development, Department of the Army, Washington 25, D.C., Attn: Technical Liaison Office

U.S. Army Signal Corps Offices. Address: Commanding Officer:

Chicago Regional Office,
U.S. Army Signal Supply Agency,
615 West Van Buren Street,
Chicago 7, Illinois

Los Angeles Regional Office,
U.S. Army Signal Supply Agency,
125 South Grande Avenue,
Pasadena, California

Fort Huachuca Procurement Office,
U.S. Army Signal Supply Agency,
Fort Huachuca, Arizona

Washington Procurement Office,
U.S. Army Signal Supply Agency,
Munitions Building, Washington 25, D.C.
(address to Chief)

Army Pictorial Center, 35-11 35th Avenue,
Long Island City, New York

Alaska Communications System,
550 Federal Office Building,
Seattle 7, Washington

Tobyhanna Signal Depot,
Tobyhanna, Pennsylvania

Decatur Signal Depot, Decatur, Illinois

Lexington Signal Depot,
Lexington, Kentucky

Sacramento Signal Depot,
Sacramento, California
(address to Commanding General)

FEDERAL GOVERNMENT

Equipment and staples in common use in the various federal government agencies are generally purchased through the General Services Administration, Federal Supply Service, Washington 25, D.C. Among items provided by GSA are:

> Altimeters, batteries, chemicals, connectors, control boards, data processing machines, dental and diagnostic equipment, electrical supplies, gages, semiconductor devices, electron tubes, recorders, sound recording and dictating equipment, and teletype and facsimile equipment

SELLING TO THE MILITARY

Military equipment is normally purchased by competitive methods. Equipment in production is generally purchased through formal advertising and bidding. Negotiated bids are frequently used in the procurement of research and development or for experimental equipment.

Contracts stipulating a fixed price usually result from advertised bid contract awards. These contracts may also result from negotiated bids and in both cases may contain price redetermination provisions. Cost reimbursement contracts, which may specify a fee above cost, are awarded when production costs cannot be accurately estimated in advance. Letter contracts authorize a contractor to begin work. They are awarded when needs are urgent and negotiations have not been completed. Cost-plus-percentage contracts are illegal.

Information on bids sought is contained in *Synopsis of United States Government Proposed Procurement Sales and Contract Awards.* The publication can also be used for subcontracting sales leads, since contract awards over $25,000 are listed weekly. The publication is available at $7 a year from United States Department of Commerce, Administrative Service Office, Room 1300, New Post Office Building, 433 West Van Buren Street, Chicago 7, Illinois.

Manufacturers may also receive information on where to sell their products from Central Military Procurement Information Office, Office of the Assistant Secretary of Defense (Supply and Logistics), The Pentagon, Washington 25, D.C. Lists of prime contractors and research and development contractors are published by this office.

Small business (under 500 employes) may receive advice and assistance on government contracting from the Small Business Administration, which maintains regional offices in various cities. Military departments also maintain small business advisors (or executives) at their principal procurement offices. Defense contractors may obtain loans, partially guaranteed by the military department, from Federal Reserve banks. Loans may also be obtained through the Small Business Administration.

Military Subcontracting Guide

List of 400 basic types of components, materials, subassemblies and complete equipments purchased by prime contractors for radar, sonar, guided missile and other military electronic systems, with coded dot chart giving extent of market for specialized products in eight different functional applications

Scope of Functional Application

COMMUNICATION

— two-way radio, wire-line and radio carrier, microwave relay links, light-beam and infrared signaling, underwater sound, electronic coders and decoders, teletypewriter systems, industrial television, closed-circuit television, facsimile, electronic megaphones, high-power ground and airborne audio. Includes associated test equipment

COUNTERMEASURES

— panoramic receivers, radio and radar jammers, radar countermeasures, confusion reflectors, decoy missiles, underwater sound generators, magnetic detonators, degaussing systems, land and underwater mine detectors, infrared countermeasures. Includes associated test equipment

DATA HANDLING

— equipment used for gathering and processing data of all kinds, as for weather, telemetered results of flight tests and topographic data, including computers, computer input equipment and computer output equipment, instrumentation for telemetering, and all telemetering equipment

DETECTION

— radar, infrared, acoustic, magnetic, sonar, sonobuoy, hydrophone and other equipment used for detection and tracking of ships, aircraft, missiles, land vehicles, troops, land mines, underwater mines, mortars, radioactive clouds. Includes reconnaissance of enemy territory by manned or unmanned vehicles, as well as simulators, trainers and test equipment

FIRE CONTROL

— radar, infrared, acoustic, magnetic and other equipment

Parts and Materials Used in all classes of Equipment

adhesives
alloys — magnetic
batteries
beads — insulating
bearings
bends — waveguide
bezels
blowers — small
boards — printed circuit
boards — terminal
bobbins — coil
breadboards
bushings
cabinets
cable assemblies
cables — coaxial, shielded and unshielded
capacitors
caps — connector
castings
ceramic parts
chassis
chemicals
clamps — component
clips — test
coatings
coils
compounds — potting
connectors
converters — power
cores — laminated and molded magnetic
dials
enamels
escutcheons
eyelets
fasteners
fiber — vulcanized
filters
flanges — waveguide
fluxes
forms — coil and resistor
fuses
gaskets
glass
grilles
grommets
handles
hardware — electronic
harnesses — wire
horns — waveguide
hybrid junctions — microwave
inks — marking
insulators
jacks
knobs
labels — pressure sensitive
lacquers
laminates — copper-clad
lamps — pilot
leads — test
limiters — surge
locks — dial
locks — shaft
louvers — chassis ventilating
lubricants
magnets — permanent
markers — luminous
metal parts
mica
nameplates
nuts
packaging materials
paints
panels
plastics — materials and parts
plugs
pushbuttons
rectifiers — dry disk and crystal
resins — encapsulating
resistors
rubber — materials and parts
shielding
shields — tube
sockets
solder
solvents
springs
tapes — insulating
terminals
terminal strips
toroids
transformers — air-core, iron-core and ferrite-core
transistors
transitions — microwave
varnishes
washers
waxes
wire — hookup, magnet and resistance

for acquisition and tracking of a target on land, sea, in the water or in the air, for the purpose of achieving accurate aim of artillery shells, bombs, unguided missiles, torpedoes, depth bombs. Includes computers and servomechanisms required to convert acquisition data into aiming action, as well as trainers and test equipment

MISSILE GUIDANCE

— radar, inertial guidance, infrared, radio remote control, map-matching and other systems built into a missile or used as ground support for the purpose of guiding the missile to a target that may be taking evasive action. Includes homing equipment built into some missiles for terminal guidance, as well as checkout and test equipment

NAVIGATION

— radar, infrared, loran, shoran, Decca, Tacan, VOR, ILS, GCA, radio direction finders, radio beacons, radar beacons, electronic sextants, altimeters, drift indicators, autopilots, fuel controls, stabilizers and other electronic equipment used to provide desired directional guidance, with or without automatic guidance control, for aircraft, ships, submarines and sometimes also land vehicles. Includes associated test equipment

RESEARCH & DEVELOPMENT

— investigation of new techniques and materials, design and development of new components to meet new requirements for performance and/or environment in all functional applications, development of new military electronic equipments and systems, construction of prototypes. Includes associated test equipment

PRODUCT — HOW USED ▶	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Absorbers—Microwave	●	+		●	+	+	+	●
Accelerometers			●		●	●	●	●
Accumulators—Computer		●	●		●	+	+	●
Actuators—Servo		+		+	●	●	●	+
Adapters—Panoramic	●	●						●
Adapters—Terminal	●	+	+	+	+	●	+	●
Ammeters	●	●	●	●	●	+	●	●
Amplifiers—A-F	●	●	●	●	●	●	●	●
Amplifiers—Computer		●	●	+	●	+	●	●
Amplifiers—D-C	●	●	●	●	●	●	●	●
Amplifiers—I-F	●	●	●	●	●	●	●	●
Amplifiers—Instrumentation		●	●	●	●	●	●	●
Amplifiers—Magnetic	+	+	●	+	●	+	●	●
Amplifiers—Microwave	●	●	●	●	●	●	●	●
Amplifiers—R-F	●	●	●	●	●	●	●	●
Analyzers—Differential		●	●	●				●
Analyzers—Distortion	●	+	●	+			+	●
Analyzers—Frequency	●	●	●	+			+	●
Analyzers—Harmonic	●	●	+	+			+	●
Analyzers—Noise	●	●	●	●	+	+	+	●

PRODUCT — HOW USED ▶	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Analyzers—Radar		●		●	●	+	●	●
Analyzers—Servo			+		●	●	●	●
Analyzers—Spectrum	●	●	+	●	+		+	●
Analyzers—Video	+	●		●	●	●	●	●
Analyzers—Wave	+	●	+	+	+	+	●	●
Antennas—Aircraft Radio	●	●	●	●	+	+	●	●
Antennas—Communication	●	●	●	+	●		●	●
Antennas—Microwave	●	●	●	+	●	●	●	●
Antennas—Mobile	●	●	●	+			●	●
Antennas—Radar	●	●		●	●	●	●	●
Attenuators	●	●	●	+	●	+	●	●
Baffles—Speaker	●	●	+				+	●
Baluns	●	●	●	+		+	+	●
Boards—Computer Problem		+	●		●	●	+	●
Bolometers—Microwave	+	●		●	●	●	●	●
Boxes—Decade	+	+	●				+	●
Brakes—Magnetic	+	+	●		●	+	+	●
Bridges	●	●	●	●	●	●	●	●
Calibrators—Frequency	●	●	●	+	+	+	●	●
Calibrators—Meter	+	+	+	+	+	+	+	●

● Used Now + Potential Future Use and Slight Use Now

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Calibrators—Radar-Range		●		●	●	+	●	●
Calibrators—Transducer			●			●	●	●
Calorimeters—Microwave		●		●		●		●
Cameras—Tv	●			●		+		●
Cams—Precision	+	+	+	+	●	+	+	●
Cavities—Microwave	●	●	+	●	●	●	●	●
Cells—Photoelectric	+	+	+	●	+	●	+	●
Chambers—Environmental	+	+	+	+	+	+	+	●
Chambers—Ionization				●				●
Chargers-Battery	●	+	+	+		●		+
Chokes—Waveguide	●	●	●	●	●	●	●	●
Choppers—D-C to A-C		●	●	●	+	●	+	●
Chronoscopes		+	+		●		●	●
Circuits—Packaged	●	●	●	●	●	●	●	●
Circuits—Printed Wiring	●	●	●	●	●	●	●	●
Circulators—Microwave	●	●	●	●	●	●	+	●
Clutches—Magnetic	+	+	●		●	+	+	●
Commutators—Switching		+	●	+				●
Comparators		+	+	+	+	+		●
Computers—Analog		+	●	+	●	+	●	●
Computers—Digital		+	●	+	●	+	+	●
Controls—Motor Speed					●	+	+	+
Converters—Computer		+	●	+	+	+	+	●
Converters—Signal	●	●	●	+	+	+	+	●
Cooling Units	+	●	+	●	+	●	+	●
Cords—Line	●	●	●				+	●
Cords—Patch	●	+	●		+			●
Counters—Electromagnetic	+		●		●	+	●	●
Counters—Electronic			●		●	+	●	●
Couplers—Directional	●	●	●	●	●	+	+	●
Couplings—Microwave	●	●	●	●	●	●	●	●
Couplings—Shaft	●	+	+	+	+	+	+	+
Crystal Units—Quartz	●	●	●			+	●	●
Cylinders—Air					●			
Decoders	●		●				+	●
Decommutators		+	●	+				●
Dehumidifiers	●	+	+					●
Delay Lines	●	●	+	+	●	●	●	●
Delays		●	+		+		+	●
Demagnetizers		+	●					●

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Demodulators—Synchronous		+	+	+	+	+		●
Detectors—Microwave	●	●	●	●	●	●	+	●
Detectors—Standing-Wave	●	●	●	●	●	●	●	●
Diodes—Crystal	●	●	●	●	●	●	●	●
Diplexers—Microwave	●		●					+
Dividers—Frequency	●	+	●			+	+	+
Dividers—Power, Microwave		+		●	●	+		●
Dividers—Voltage	+	+	●	+	+	+	+	●
Drives—Variable Speed			+		+			+
Duplexers—Microwave	●		●					+
Dynamotors	●	+	+				●	●
Earphones—Miniature	●	+	+	+				●
Echo Boxes—Microwave		+		●	●	+	+	●
Elements—Heating	+						+	●
Encapsulated Assemblies & Components	●	●	●	●	●	●	●	●
Encoders			●		+	+	+	●
Films—Photographic Recording		●	●	●				●
Fluxmeters		+		+	+		+	●
Gages—Strain			●					●
Galvanometers		●		+			+	●
Gases	●				●			●
Gears & Gear Trains—Precision	+	+	+		●	●	●	●
Generators—Function		+	●		●	+	+	●
Generators—Noise	+	●						●
Generators—Power		●						●
Generators—Signal	●	●	●	+	+	+	+	●
Gyros		+			●	●	●	●
Headphones & Headsets	●		+	●			●	●
Heads—Magnetic	+	+	●	+			+	●
Holders—Crystal	●	+	●			+	●	●
Hydrophones	●			●		●		●
Indicators—Digital	+	+	●	+	+	+	●	●
Indicators—Null	+	+	●	+	+	+	●	●
Inductances—Variable	●	+	+	+	+	+	+	●
Infrared Devices	●	+		●	●	●	+	●
Integrators		+	●	+	+	+	+	●
Inverters—D-C to A-C	●	+	+	●	+	●	+	●
Isolators—Microwave, Ferrite	●	●	●	●	●	●	●	●
Joints—Rotary, Waveguide	+	+	+	●	●	●	●	●
Jumpers—Bonding	+	+	+	●	●	●	+	+

● Used Now + Potential Future Use and Slight Use Now

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Lenses—Microwave	●	+	●	+	●	●		●
Lenses—Optical		+		●		●		●
Loads—Dummy, R-F	●	+	+	+	+	+	+	●
Masts—Antenna	●	+	●	+	+	+	+	+
Memories—Computer			●		+	+	+	●
Meters—Capacitance	+	+	+					●
Meters—Counting-Rate		+	●	+	+	+	●	●
Meters—Db	●	●	●	+	+	+		●
Meters—Field Strength	●	●	+	+	+	+	+	●
Meters—Frequency	●	●	●	+	+	+	+	●
Meters—Miniature	●	+	+	+	+	+	+	●
Meters—Modulation	●	+	+			+	+	●
Meters—Output	●	+	+		+	+	+	●
Meters—Power-Level	●	+	+	+	+	+	+	●
Meters—Q	●	+	+	+	+	+	+	●
Microphones	●	+		●	●			+
Mirrors—Special-Purpose		+		●	●	●	+	●
Mismatches—Microwave	+	+		●	●	+	+	●
Modulators	●		●				●	+
Monitors—Frequency	●	●	●	+	+	+	+	●
Monitors—Modulation	●	+	+			+	+	●
Monitors—Phase	+		●	+	+	+	●	●
Monitors—Power	●	+	+	+	+	+	+	●
Monitors—Radar		+		●	●	●	●	●
Monitors—Radioactivity				+				●
Motors	●	●	●	●	●	●	●	●
Mounts—Antenna	●	●	●	●	●	+	●	●
Mounts—Bolometer	+	●		●	●	●	●	●
Mounts—Crystal, Microwave	●	●	●	●	●	●	●	●
Mounts—Klystron	●	●	●	●	●	●	●	●
Mounts—Vibration & Shock	●	+	●	●	●	●	●	+
Multipliers—Computer			●		+	+	+	●
Multipliers—Meter	●	+	●	+	+	+	●	●
Networks	●	●	●	+	+	+	+	●
Ohmmeters	●	+	+	+	+	+	+	●
Oscillators—A-F	●	+	●					●
Oscillators—Microwave	●	●	●	●	●	●	●	●
Oscillators—R-F	●	●	●	●	●	●	●	●
Oscillographs—Recording		+	●	+			+	●
Oscilloscopes—Cathode-Ray	●	●	●	●	●	●	●	●

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Ovens—Crystal	●		+				+	●
Plotters—Digital	+	+	●		+		+	●
Potentiometers & Rheostats	●	●	●	●	●	●	●	●
Potentiometers—Precision		+	●	●	●	●	●	●
Power Supplies—D-C Output	●	●	●	●	●	●	●	●
Printers	●	+	●			+	●	●
Probes—Test	●	●	●	●	●	●	●	●
Quartz—Fused	●	+		●	+	+		●
Racks—Aging			+	+	+	+		+
Racks—Mounting & Relay	●	●	●	●	●	●	●	●
Radomes	●	+	●	●	●	●	●	●
Reactors—Saturable		+	+	+	●	+	+	+
Readers	●	+	●	+	+	+	+	+
Receivers—Panoramic	●	●						●
Receivers—Radio	●	●	●	●			●	●
Receivers—Tv	●			●		+		●
Recorders—Graphic	●	●	●	●			●	●
Recorders—Magnetic Tape	●	●	●	●	+	+	+	●
Registers—Shift			●				+	●
Regulators—Current			+	+	+	+	+	●
Regulators—Frequency	+			+	+	+	+	●
Regulators—Voltage	●	+	●	+	●	+	●	●
Relays	●	●	●	●	●	●	●	●
Reliefs—Strain	●	+	+				●	●
Repeaters—Data	●		●	●	●		●	●
Repeaters—Servo			●		●	●	●	●
Resolvers		+	●	+	●	●	+	●
Resonators—Microwave	●	●	●	●	●	●	●	●
Rheostats—Wire Wound	+	+	●	●	●	+	●	●
Rotators—Antenna	●	+	+	●	●	●	●	●
Shafts—Flexible	●	+	+	+	●	+	●	●
Shifters—Phase	+	●	●	●	●	●	●	●
Silicones	●	●	●	●	●	●	●	●
Sinks—Heat, Transistor	●	+	●	+	+	●	+	●
Slides—Chassis	●	●	●	+	●	+	●	●
Slip-Ring Assemblies		+	●	+	●	+	+	●
Slotted Sections—Microwave	●	+	+	●	●	●	+	●
Solenoids—With Cores		+	+	+	●	●	+	●
Sources—Radioactive		+						●
Speakers	●	+	+	+			●	●

● Used Now + Potential Future Use and Slight Use Now

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Standards—Voltage	+	●	●	+	●	●	●	●
Standards—Frequency	●	●	●	●	●	●	●	●
Standards—R, L & C	●	●	●	+	+	+	●	●
Standards—Time		●	●	●	●	●	●	●
Stretchers—Line, Microwave	+	+	+	●	●	●	+	●
Strip-Line Components	●	+	●	●	●	●	+	●
Suppressors—Ignition	●	+	+	+	●	●	●	●
Switches—Automatic	+	+	●	●	●	●	+	●
Switches—Manual	●	●	●	●	●	●	●	●
Switches—Microwave	+	+	+	+	●	+	+	●
Switches—Multicontact	●	●	●	+	+	+	●	●
Synchros		+	●	●	●	●	●	●
Tachometers			●		+	+	+	●
Tape Decks (mechanisms)	+	+	●	+	+	+	+	●
Tapes—Magnetic-Recording	●	●	●	●	+	+	+	●
Tees—Microwave	+	+	+	●	●	●	+	●
Terminations	●	●	●	●	●	●	●	●
Testers—Battery	●	+	●	●	+	●	+	●
Testers—Cable	●	●	●	●	●	●	●	●
Testers—Capacitor	●	+	+	+	+	+	+	●
Testers—Circuit	●	●	●	●	●	●	●	●
Testers—Coil	●	+	+	+	+	+	+	●
Testers—Crystal Diode	●	●	●	●	●	●	●	●
Testers—Gyro				+	+	●	●	●
Testers—Insulation	+	+	+	+	+	+	+	●
Testers—Potentiometer	+	●	●	●	●	●	●	●
Testers—Radome Boresight		+		●	●	●		●
Testers—Relay	+	+	●	+	●	●	+	●
Testers—Servo			●	●	●	●	●	●
Testers—Synchro Error			●	●	●	●	+	●
Testers—Transistor	●	●	●	●	+	●	+	●
Testers—Tube	●	●	●	●	●	●	●	●
Testers—Vibrator	+	+	●	●	●	●	+	●
Thermocouples			●					●
Thermostats—Bimetal	+		+					●
Timers—Electronic		+	●	●	●	●	●	●
Timers—Motor Operated	●	+	+	+	+	+	+	●
Towers—Antenna	●	+	+				+	+
Trailers—Electronic	●	+	●	●	●	+		+
Transceivers	●							

PRODUCT / HOW USED ➧	Communication	Countermeasures	Data Handling	Detection	Fire Control	Missile Guidance	Navigation	Research & Devpt.
Transducers		●	●	●	+	●	●	●
Transformers—Matrix		+	●	+				●
Transformers—Microwave	+	+	+	●	●	●	+	●
Transmitters—Radio	●	●	●			+	+	+
Traps—Wave	●	●	●				●	+
Tubes—Ballast	+						+	+
Tubes—Battery-Charger	●						+	
Tubes—Cathode-Ray		+	+	●	●	+	●	●
Tubes—Ceramic	●	+	+	+	+	●	+	●
Tubes—Counter			●				+	●
Tubes—Glow or Discharge	+		●				●	●
Tubes—Hydrogen-Thyratron		+		●	●	●	+	●
Tubes—Ignitron		+						+
Tubes—Microwave	●	●	●	●	●	●	●	●
Tubes—Miniature	●	●	●	●	●	●	●	●
Tubes—Noise Source	+	+	+	●	●	+	+	●
Tubes—Phototubes		+		+		+		●
Tubes—Power Amplifier	●	●	●	●	●	●	●	●
Tubes—Receiving	●	●	●	●	●	●	●	●
Tubes—Rectifying	●	●	●	●	●	●	●	●
Tubes—Thyratron	+	+	+	+	●	+	+	●
Tubes—T-R, Pre T-R & Anti T-R		●		●	●	●	●	●
Tubes—Voltage Reference	●	+	●	●	●	●	●	●
Tubing—Metallic		+		+	+	+		●
Tubing—Nonmetallic	●	●	●	●	●	●	●	●
Tuners—Klystron	●	●	●	●	●	●	●	●
Tuners—Microwave	●	●	●	●	●	●	●	●
Twists—Waveguide	●	●	●	●	●	●	●	●
Varistors	●	+		+	●	+	+	●
Vibrators—Power Supply	●	+	+	+	+	●	+	●
Voltmeters	●	+	●	●	●	●	●	●
Volt—Ohm-Milliammeters	●	+	●	●	●	●	●	●
Wattmeters		+			+			●
Waveguide Dissipative Strips	●	●	●	●	●	●	●	●
Waveguides	●	●	●	●	●	●	●	●
Wavemeters—Microwave	●	●	●	●	●	●	●	●
Windows—Pressurizing		+				●		●
Wire—Bare	+	+	+	+	+	+	+	+
Wire—High Temperature		+			+	●	+	●
Yokes—Deflection				●	●	●	●	●

● Used Now + Potential Future Use and Slight Use Now

Industrial Electronics Markets

Next to the military market, the industrial electronics market is the most dynamic segment of the industry. ELECTRONICS estimates that at a conservative 10 percent a year increase, sales will reach $3 billion by 1965, with data processing accounting for almost $1 billion

APPLICATIONS FOR COMPUTERS AND DATA PROCESSING

Aircraft — engineering

Airlines — flight operations, ticketing and reservations

Business, banking and insurance — payroll, production and inventory control, order and entry billing, data control, market analysis, general accounting

Chemical, metallurgy, plastics and other process industries — process and facilities engineering, process monitoring and control

Electronics and electrical manufacturing — engineering, some process control anticipated

Government agencies — census, patents, social security and tax processing, inventory control

Metalworking — engineering, preparing instructions for machine tool control

Railroads and shipping — freightyard operations, waybilling, ticketing and reservations

Research — mathematics, data analysis and simulation

Roads, highways and construction — engineering and design, road traffic control

Utilities — generation and distribution control

REGIONAL DISTRIBUTION OF ALL INDUSTRY

INDUSTRIAL CONCENTRATIONS

Based on U.S. Census of Manufacturers statistics for production workers and value added by manufacturing. [illegible] equipment sales [illegible] ceptions are:

AVIATION: more heavily concentrated in Calif., Texas, Wash.

DRUGS AND COSMETICS: New York

CHEMICALS: Texas

MARINE: coastal and waterway states

MINING: [illegible]

NUCLEONICS: Calif., N. Y.

PETROLEUM: Texas and La.

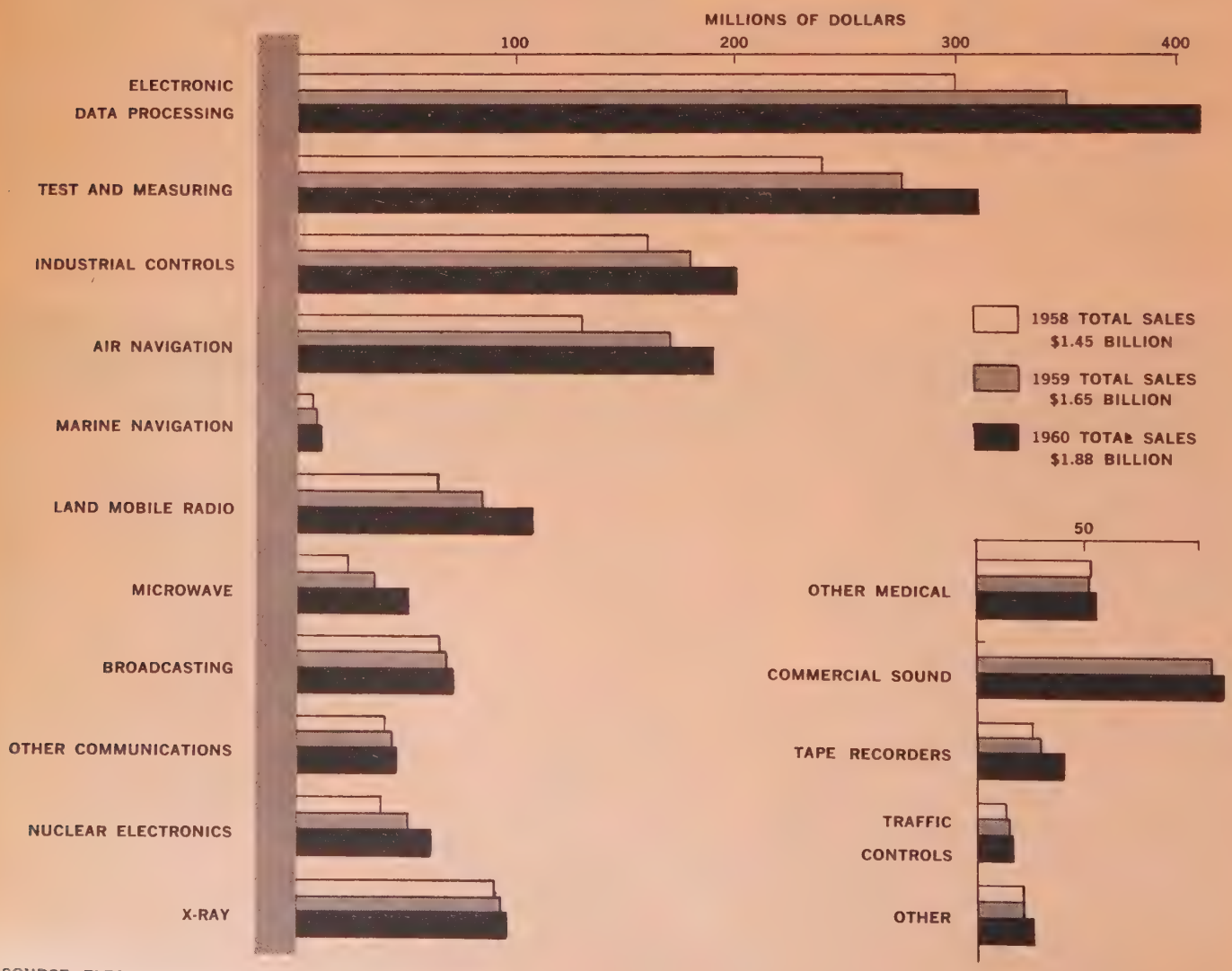
TEXTILES: N.C., S.C., Ga., Ala., R.I.

EDUCATIONAL TELEVISION

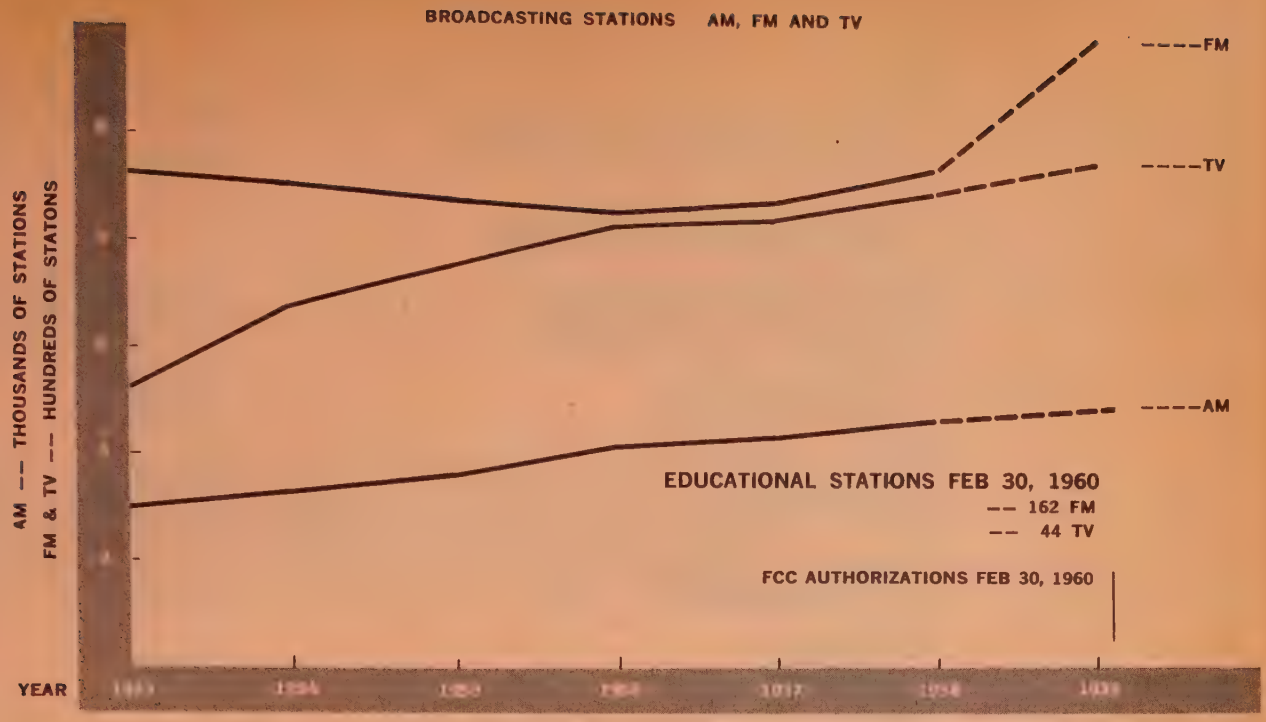
CHANNEL RESERVATIONS

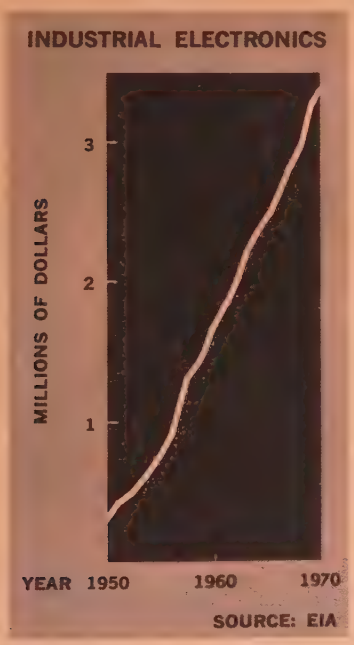
The educational television channel reservation map was compiled by the Joint Council on Educational Television. At the start of 1960, there were a total of 259 channels reserved: 171 UHF channels and 88 VHF channels

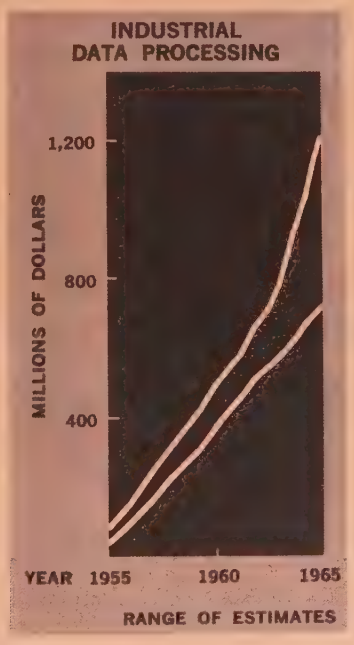
INDUSTRIAL ELECTRONICS

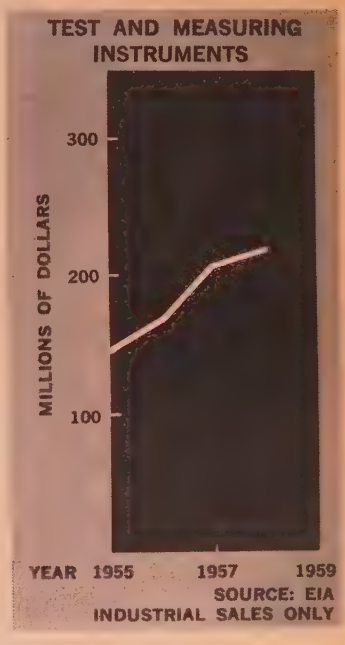


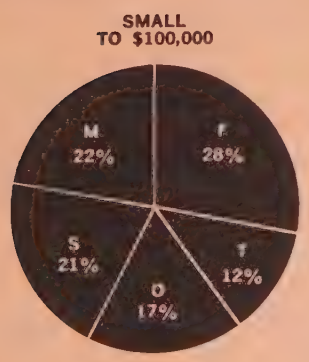
SOURCE: ELECTRONICS

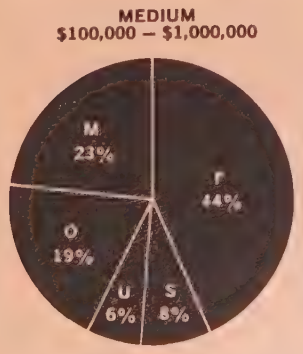


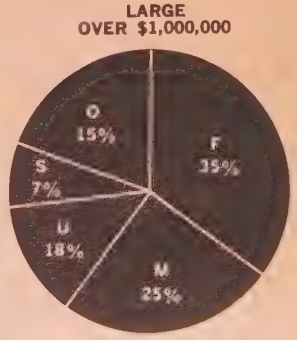








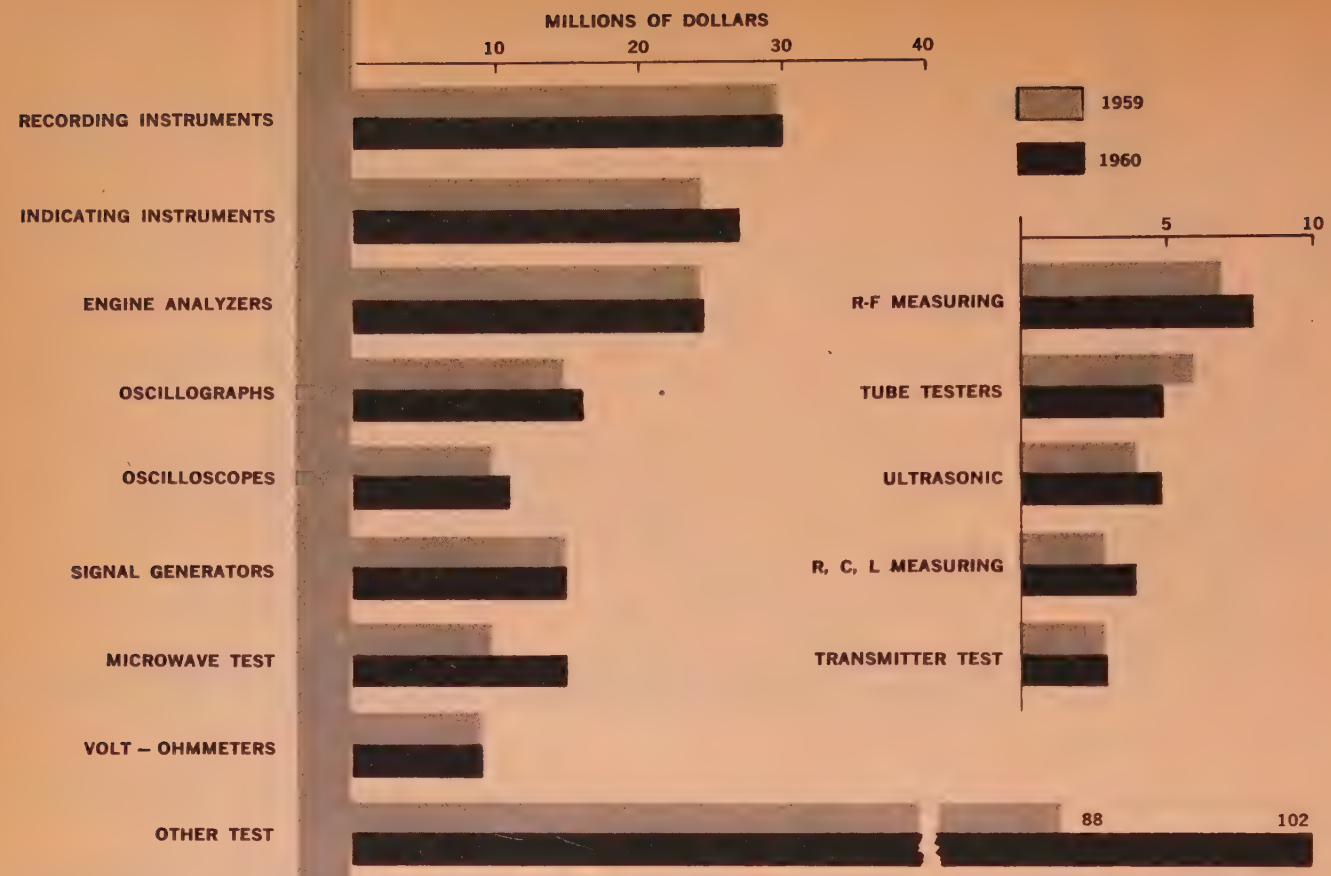




POTENTIAL MARKETS FOR COMPUTERS

F – FINANCE
M – MANUFACTURING
S – SERVICES AND EDUCATION
T – TRADE
U – UTILITIES
O – OTHER

SOURCE: ELECTRONICS



TEST RECORDING AND MEASURING INSTRUMENTS
INDUSTRIAL SALES ONLY

SOURCE: ARTHUR D. LITTLE

COMMUNICATIONS STATION AND TRANSMITTER AUTHORIZATIONS BY FCC

Service	Stations 1958	Transmitters 1958	Stations 1959	Transmitters 1959	Stations 1/30/60
Marine	79,200	80,000	92,200	95,000	94,400
Aviation	69,900	85,000	81,700	125,000	85,450
Land Transp'n	52,600	345,000	81,000	445,000	99,350
Industrial	44,600	420,000	55,000	538,000	57,900
Public Safety	28,000	307,000	30,500	332,000	31,285

LEADING CATEGORIES OF ELECTRONIC EXPORTS, AS REPORTED BY DEPARTMENT OF COMMERCE

Data is from Report FT 410. Detailed statistics on these and other categories are listed according to the country of destination in the monthly and annual issues of Report FT 410

	1958	1959
Electrical & Electronic Characteristics Testing Instruments, and Special Parts and Accessories	$ 12,452,662	$18,373,953
Radio Communications Equipment	123,403,791	90,679,475
Television Receivers w/Cabinets	20,234,456	17,631,270
Receiving-Type Tubes	17,859,207	14,670,823
Television Picture Tubes (Cathode-Ray)	14,682,800	13,767,068
Electron Tubes	12,786,795	13,340,037
Diodes & Transistors	7,777,812	9,159,258
Electronic Detection & Navigational Apparatus	44,174,697	44,350,865
Recorders (Disk, Tape, and Wire, and Special Parts & Accessories)	12,187,071	10,906,432
Electronic Equipment & Special Parts and Accessories	31,792,440	38,636,764
Electronic Computers, Related Information Processing Machines & Accessories	14,883,464	11,019,824

Production Instruments

Applications of electronic process, control and analytical equipment in 10 of the major production industries are listed

In addition to the equipment listed on the dot chart following, equipment in general use in production industries includes:

Amplifiers
Controls:
batching, capacitance, counting, door, elevator, flame-failure, illumination, machine tool, motor speed, photoelectric, proportioning, sorting, ventilating system
Counters, electronic
Counters, photoelectric
Detectors: fire, flaw, intrusion, leak, metal, smoke
Gages, dimension
Power supplies
Readers, punched card and tape
Recorders, graphic
Regulators, voltage
Servosystems
Switches, electronic
Timers
TV systems, industrial
X-Ray

The listings do not include communications equipment, nor test equipment intended for use with communications equipment and other specialized products of the electronics industry.

Industry Classifications

CERAMICS
— manufacture of all products made from minerals and other earth products with the aid of intense heat, except glass. The instrumentation requirements of the glass industry are similar

CHEMICAL
— manufacture of chemical products and industrial processing with chemicals. The instrumentation requirements of the plastics and rubber industries are similar, except for the fabrication of end products

DRUGS
— development and manufacture of medicines and other preparations intended for the treatment of disease in man or animals. The instrumentation requirements of the cosmetics industry are similar

FOOD
— growing of basic foodstuffs and processing them for consumption, but not including packaging

MANUFACTURING, ELECTRONIC
— production of all types of equipment containing electron tubes, transistors, crystal diodes, or magnetic amplifiers, including associated components. The instrumentation requirements of the electrical manufacturing industry are similar

METAL PRODUCING
— conversion of mined ore to billets, ingots and other shapes of raw stock, including foundries and rolling mills

METAL WORKING
— conversion of raw metal stock to finished form by rolling, extrusion, casting, machining, spinning, punching, welding and other processes, but not including assembly of parts. Instrumentation requirements of airframe and transportation equipment industries are similar

PACKAGING
— batching, weighing, measuring, filling containers, wrapping, labeling, inspection of packaged output and all other operations associated with preparation of finished products for distribution and sale

PETROLEUM
— drilling and operating wells for oil or natural gas, refining, production of finished petroleum products and distribution by pipeline, except for pipeline communications

TEXTILES
— production of threads and fabrics from natural and synthetic yarns, including processing and conversion to wearing apparel and other textile products

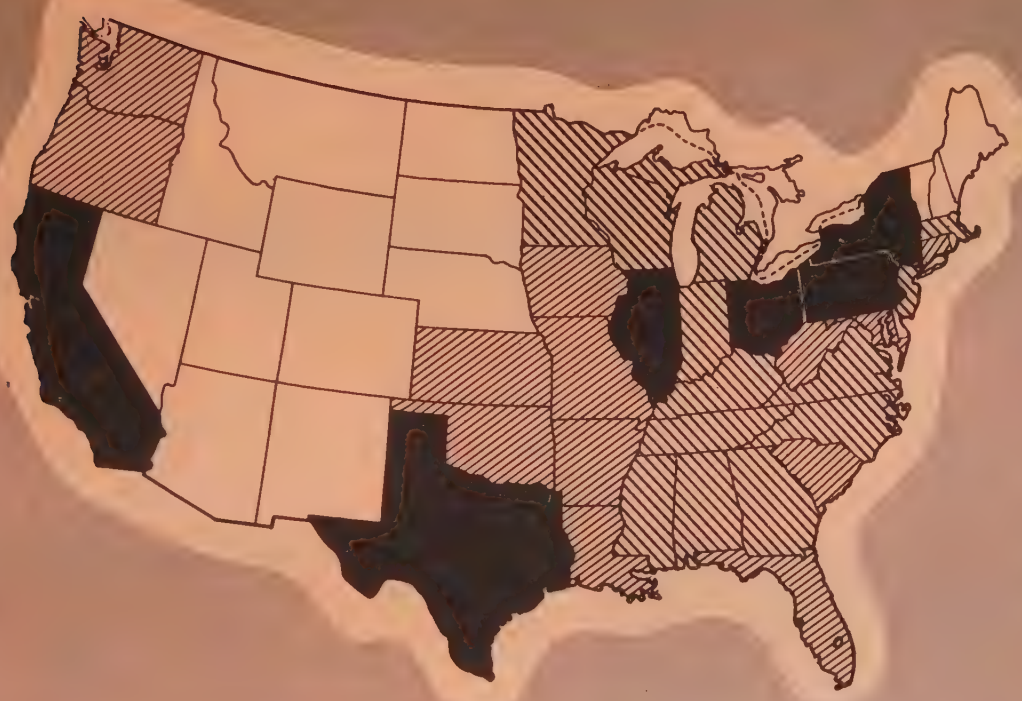
INDUSTRY	Ceramics	Chemical	Drugs	Food	Mfg. Electronic	Metal Producing	Metal Working	Packaging	Petroleum	Textiles
CONTROLS (C) INDICATORS (I) AND RECORDERS (R)										
Conductivity (C, I, R)		●	+	+	+				+	+
Density (C)	●	●	●	●	●				●	+
Dew Point (I)	+	●	+	+					●	+
Fluid-Flow (C, I, R)	●	●	●	●	●	●	●	+	●	+
Hardness (I)	●	+	+	+	●	●	●			
Humidity (C, I, R)	●	●	●	●	●	+	+	+	+	●
Material Level (C, I, R)	●	●	●	●	●	●	●	+	●	●
Moisture (C, I, R)	●	●	●	●	+			+		●
Oxygen (C, I, R)	+	●	+			+	●		+	
pH (C, I, R)	●	●	●	●	●	●	●	+	●	●
Positioning (C, I)	+	●	+	●	●	●	●	●	●	●
Pressure (C, I, R)	●	●	●	●	●	●	●	●	●	●
Remote (C)	●	●	+	+	●	●	●	+	●	●
Resistance (I)		●			●	+	+		+	
Shock (R)	●				●	+	+			
Smoke (I, R)		●		+	+	+			+	
Specific Gravity (C, I, R)	●	●	●	●	+	+	+	+	●	+
Strain (C, I, R)	+	+		+	●	●	●	+	+	●
Surface Roughness (I, R)	●	+	+		●	●	●			+
Temperature (C, I, R)	●	●	●	●	●	●	●	●	●	●
Thickness (C, I, R)	●	●	●	●	●	●	●	●		●
Timing (I, R)	●	●	●	●	●	●	●	●	●	●
Torque (C, I)	+	●	+	●	●	●	●	●	●	●
Turbidity (I)	+	●	●	●	+				●	+
Vacuum (C, I, R)	●	●	●	●	●	+	●	+	●	+
Vibration (I)	+	●			●	●	●	+		+
Viscosity (C, I, R)	●	●	●	●	+	+	+	+	●	+
Weight (C, I, R)	●	●	●	●	●	●	●	●	●	●
OTHER CONTROLS AND EQUIPMENT										
Analyzers, Gas	●	●	●	●	●	●	●		●	+
Analyzers, Spectrum	●	●	●	●		●			●	+
Analyzers, Vibration					●	+	●	+	+	●
Analyzers, Wave	+	●	+	+	●	+	+		+	+
Chronographs and Chronoscopes		●							●	
Colorimeters	●	●	●	●	+	+	+	●	●	●
Comparators, Color	●	●	●	●	+	+	+	●	●	●
Computers, Analog		●			●		+		●	
Computers, Digital	+	●	+	+	●	+	●	+	●	

INDUSTRY	Ceramics	Chemical	Drugs	Food	Mfg. Electronic	Metal Producing	Metal Working	Packaging	Petroleum	Textiles
Controls, Contouring					+	+	●			
Controls, Dimension	+			+	●	●	●	●		●
Controls, Register	+	●		●	●		●	●		●
Controls, Skew	+	+			+	●	●	●		●
Controls, Sound-Actuated	+					+	●			
Controls, Welding	+	+		+	●	●	●		●	
Counters, Nuclear Particle		●	+	+	●	+	●	+	●	+
Data Processing		●	+		●	+	●		●	
Densitometers	+	●	●	●	●	+	●		●	●
Detectors, Break		+			●	●	●	●		●
Detectors, Gas		●		●		●	+		●	
Electrometers		●	+						+	+
Electrostatic Systems	●	●	+	●	●	●	●	+	+	●
Exciters, Vibration	+	●	+	+	●		●	+		+
Gages, Beta	+	+	+	+	+					●
Gages, Coating Thickness	+	●	+	+	●	+	●	+		●
Heaters, Dielectric	●	●	●	●	●			+		●
Heaters, Induction		+			●	●	●			
Indicators, Proximity	+	+	+	+	●	●	●	●		+
Infrared	+	●	●	+	●	●	+		●	
Integrators	+	+			+	+	+		+	
Magnetic Analysis Equipment					●	●	●			
Meters, Power Factor		●				+	+		+	
Meters, Sound Level	+	+			+	+	●			+
Microscopes, Electron	+	●	●		+	●	+		●	+
Monitors, Radioactivity		●	+	+	●				+	
Oscillators	●	+	+	+	●		+		+	+
Oscillographs, Recording	+	●	+		+				+	
Oscilloscopes, CRT	●	●	●	+	●	+	+	+	●	+
Photometers	●	●	●	+	●			+	●	●
Regulators, Current	+	●	+		●	●	●			
Regulators, Frequency		●	+		●	●	●			+
Simulators		●	+		+		+		●	
Ultrasonic Cleaners	+	+	+	+	●		●			
Ultrasonic Drills	●				●		●			
Ultrasonic Flaw Detectors	●	+			+	●	●		+	
Ultrasonic Thickness Gages	●	+	+		●		●			
Ultrasonic Welders					+		+	+		

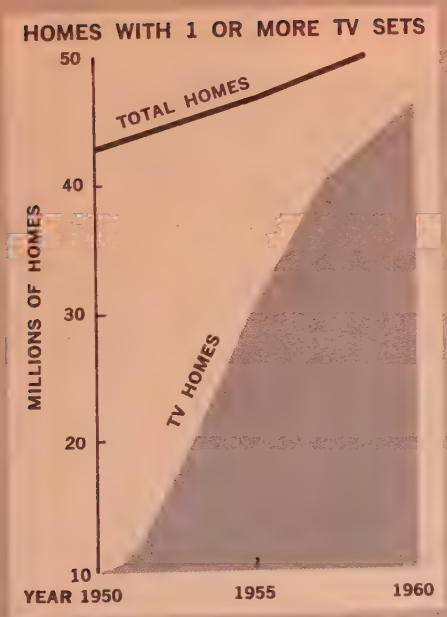
● Used Now + Potential Future Use and Slight Use Now

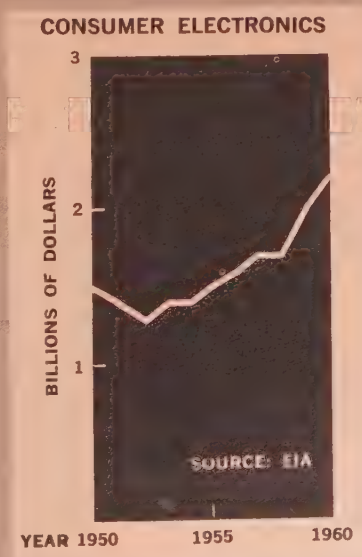
Consumer Electronics

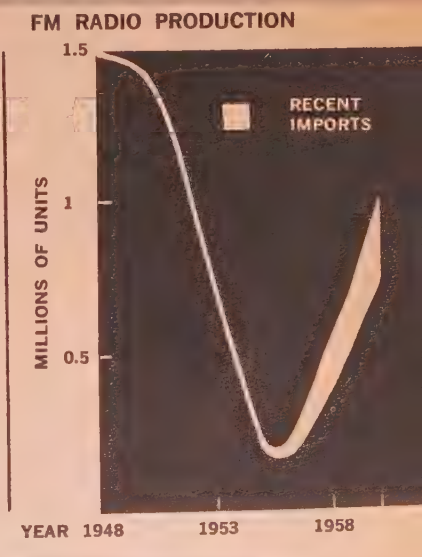
Roundup of charts and statistics outlining production and sales trends for television, radio and other consumer products



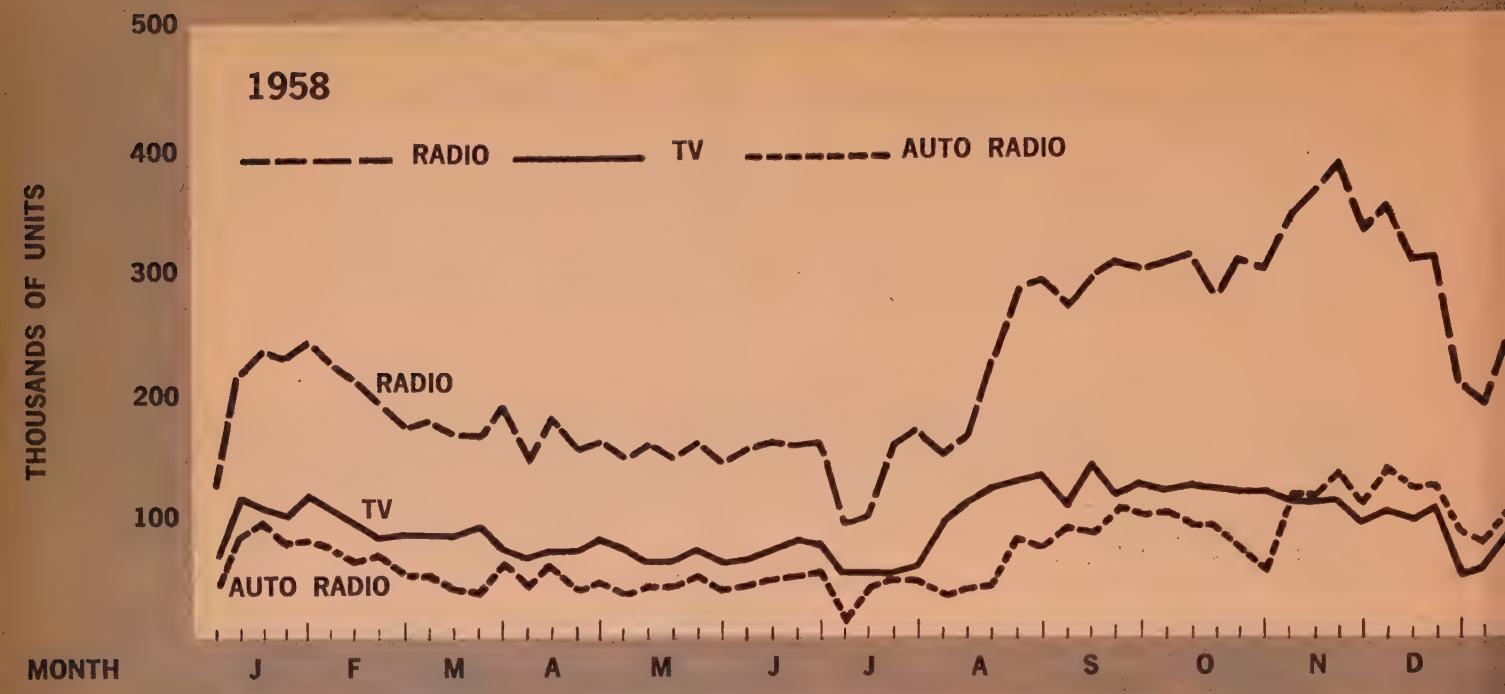
This map shows the relative population of the mainland states. It is based on the 1950 Census and is therefore only an approximation of the consumer market. The industrial centers (see preceding section on industrial electronics) purchase more electronic products per capita





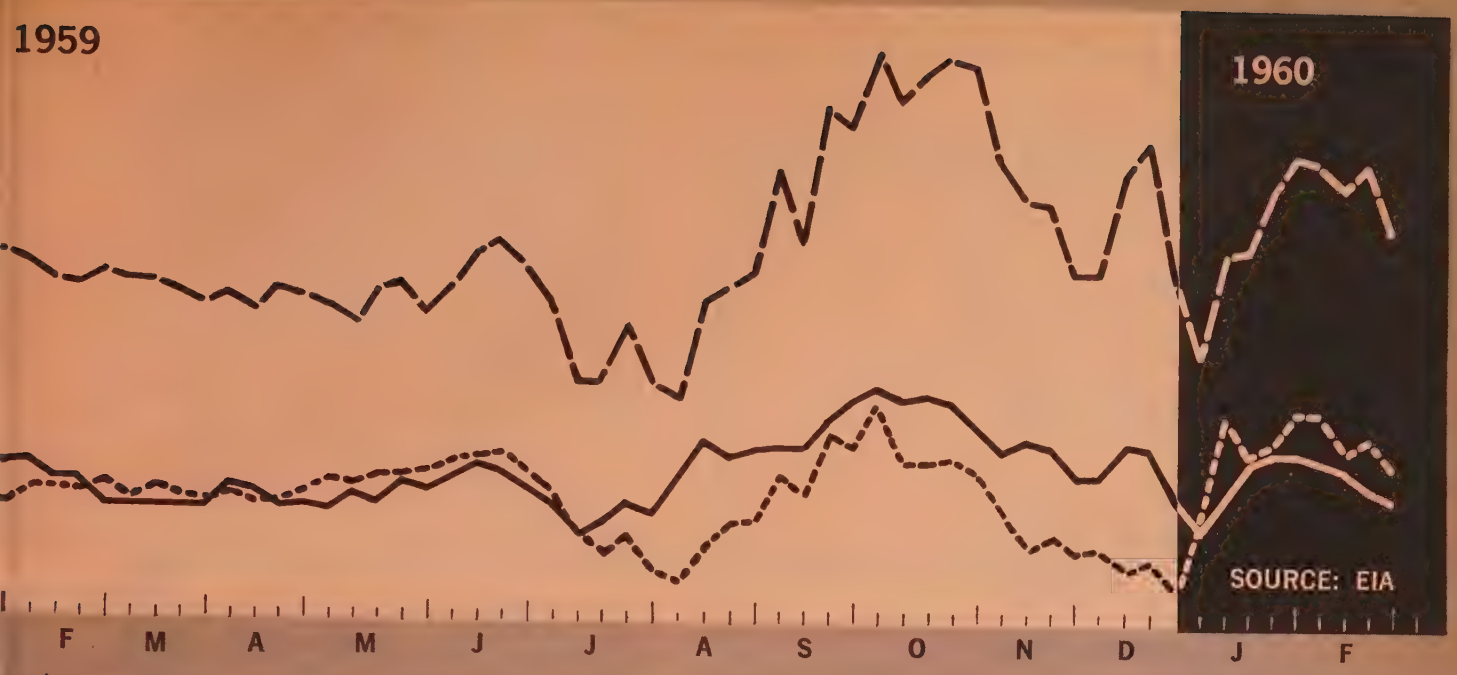


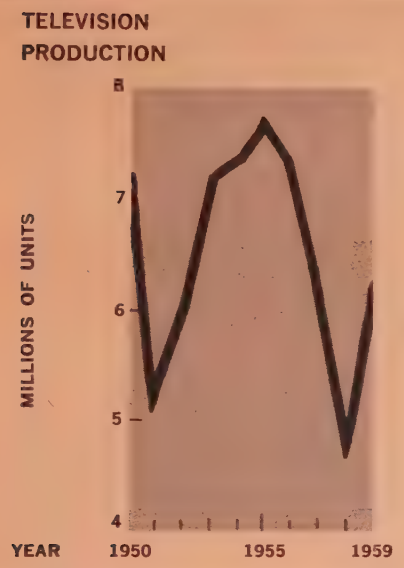
WEEKLY PRODUCTION OF TELEVISION, RADIO AND AUTO RADIO RECEIVERS, 1958 — 1959

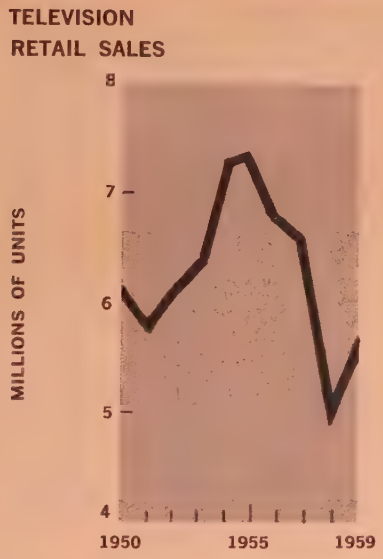


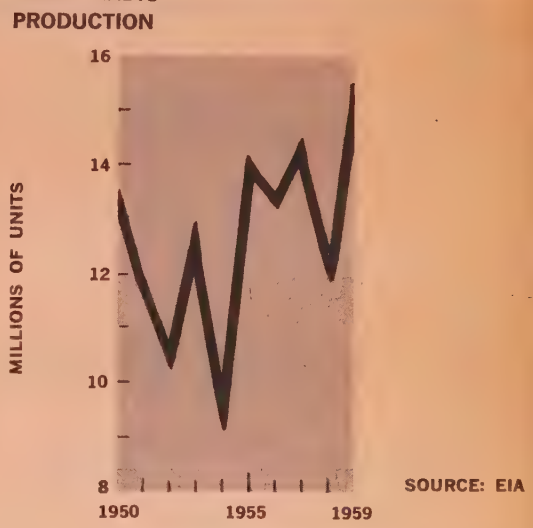
MONTHLY TV SALES TRENDS

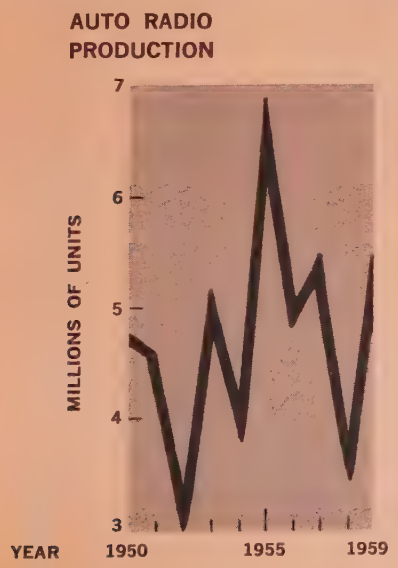
MONTHLY RADIO SALES TRENDS

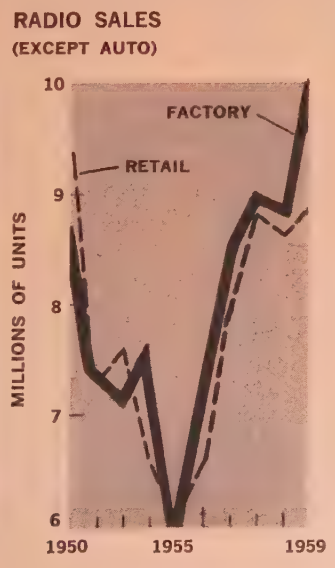

1959
1960
SOURCE: EIA
F
M
A
M
J
J
A
S
O
N
D
J
F

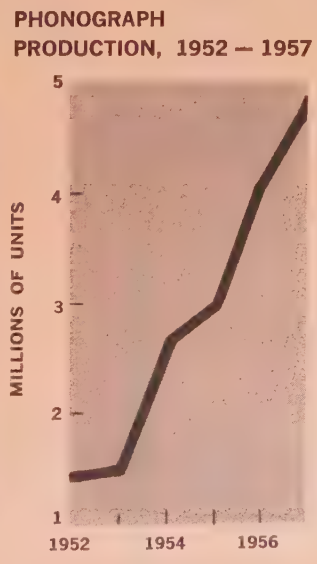

TELEVISION PRODUCTION
MILLIONS OF UNITS
8
7
6
5
4
YEAR
1950
1955
1959

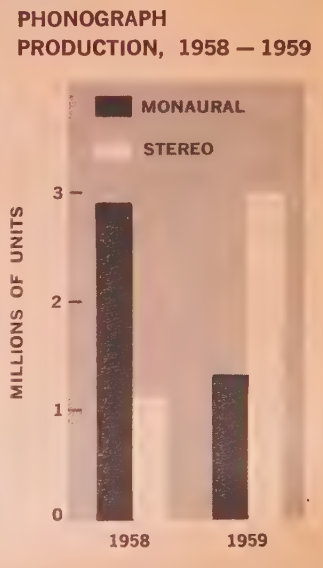

TELEVISION RETAIL SALES
MILLIONS OF UNITS
8
7
6
5
4
1950
1955
1959


TOTAL RADIO PRODUCTION
MILLIONS OF UNITS
16
14
12
10
8
1950
1955
1959
SOURCE: EIA


AUTO RADIO PRODUCTION
MILLIONS OF UNITS
7
6
5
4
3
YEAR
1950
1955
1959
SOURCE: EIA


RADIO SALES
(EXCEPT AUTO)
FACTORY
RETAIL
MILLIONS OF UNITS
10
9
8
7
6
1950
1955
1959
SOURCE: EIA


PHONOGRAPH PRODUCTION, 1952 — 1957
MILLIONS OF UNITS
5
4
3
2
1
1952
1954
1956
SOURCE: EIA

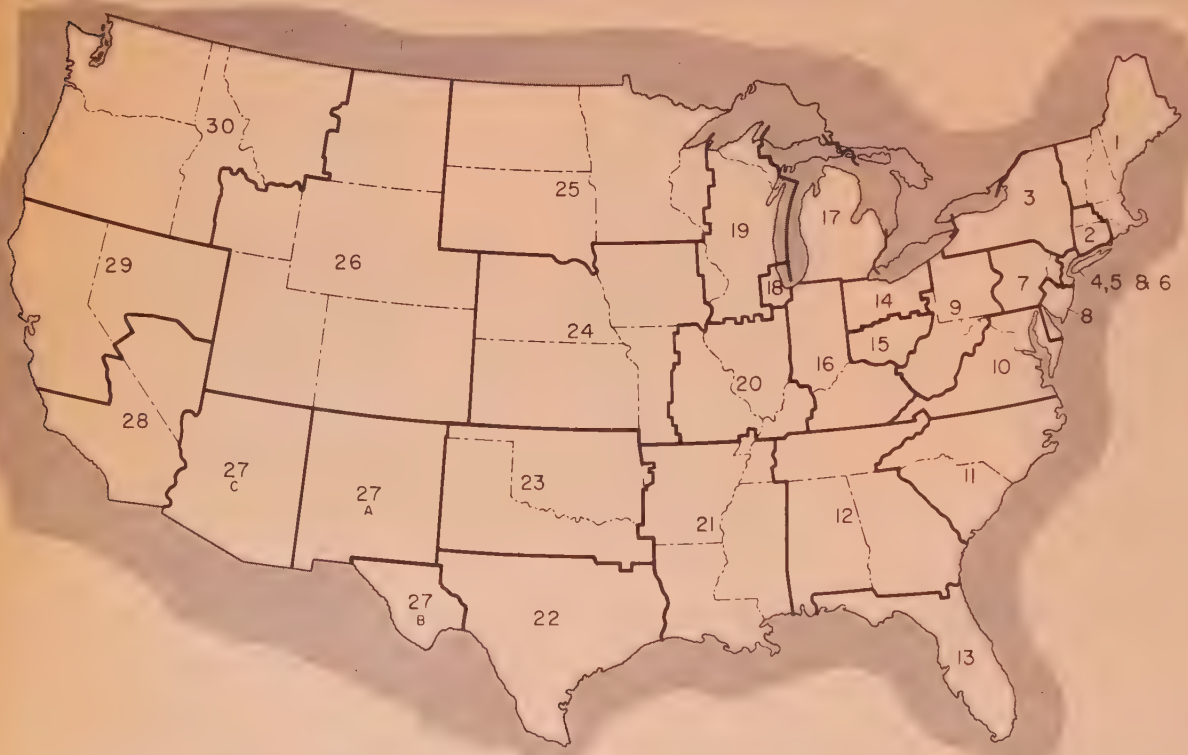

PHONOGRAPH PRODUCTION, 1958 — 1959
MONAURAL
STEREO
MILLIONS OF UNITS
3
2
1
0
1958
1959
SOURCE: EIA

Components and Parts

Financial survey of components basic to military, industrial and consumer electronics production. The latest available government statistics on military and nonmilitary shipments, including microwave components, are given in detail

PARTS DISTRIBUTORS

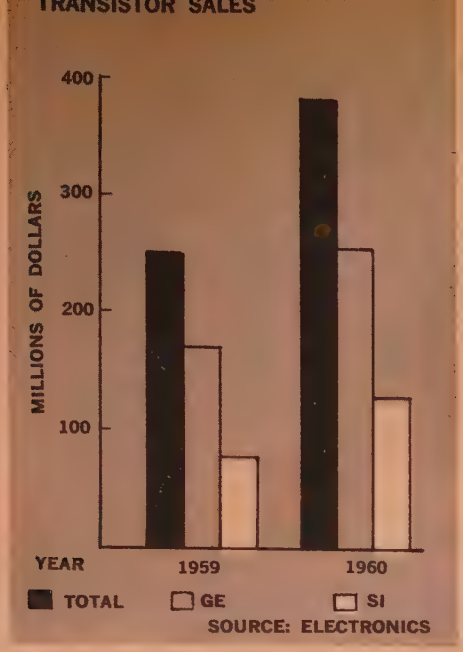
This map is the March 1, 1959 revision of the EIA Unit Territory Plan. It serves as a guide to trading areas. Most areas represent about 2 to 4 percent of national sales. Sales percentages are higher in the New York, Los Angeles and Chicago areas, lower in the southwestern territories



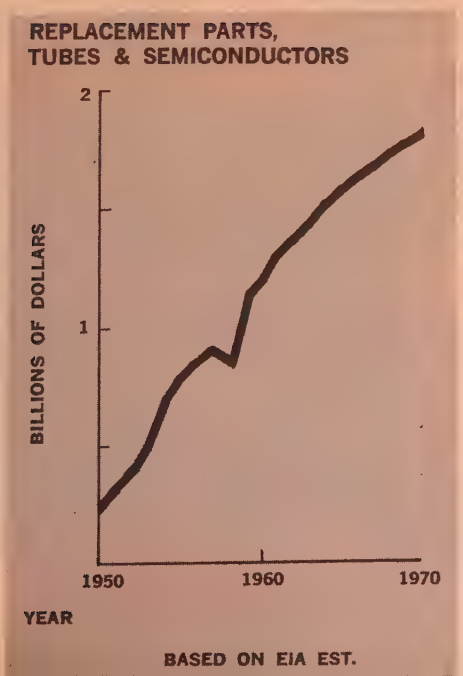
PRODUCTION AND SALES: RECEIVING TUBES, PICTURE TUBES AND TRANSISTORS, 1950-1959

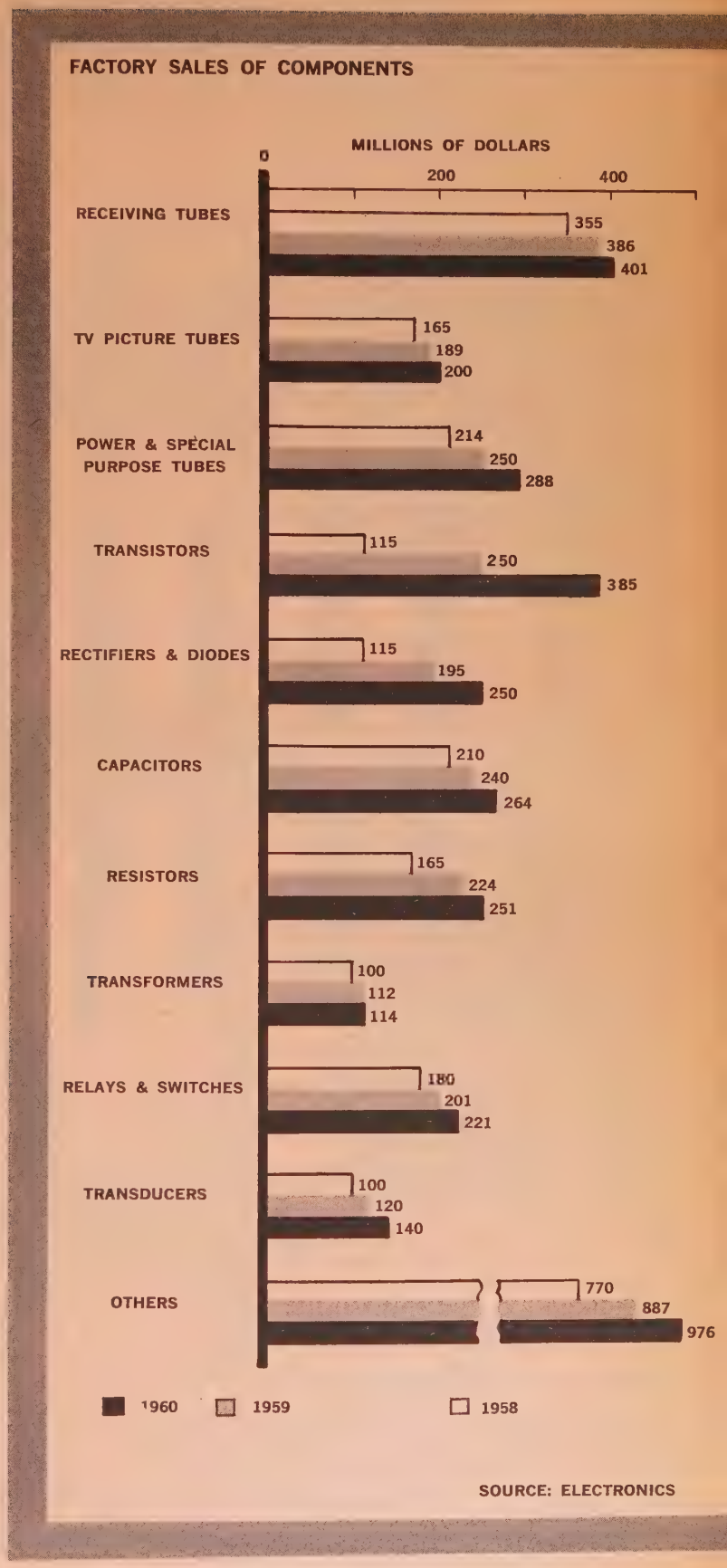
		1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
RECEIVING TUBES	– Units (millions)	383	376	369	437	385	480	464	456	397	433
	– Dollars (millions)	250	261	259	304	276	358	374	384	342	369
PICTURE TUBES	– Units (millions)	7.96	5.14	7.64	9.84	9.91	10.87	10.99	9.72	8.3	9.5
	– Dollars (millions)	211	122	171	235	206	209	196	183	163	184
TRANSISTORS	– Units (millions	–	–	–	–	1.32	3.65	12.8	28.8	47.1	82.3
	– Dollars (millions)	–	–	–	–	5.12	12.3	37.4	69.7	113	222

Source: Electronic Industries Association


TRANSISTOR SALES
400
300
200
100
MILLIONS OF DOLLARS
YEAR
1959
1960
TOTAL
GE
SI
SOURCE: ELECTRONICS

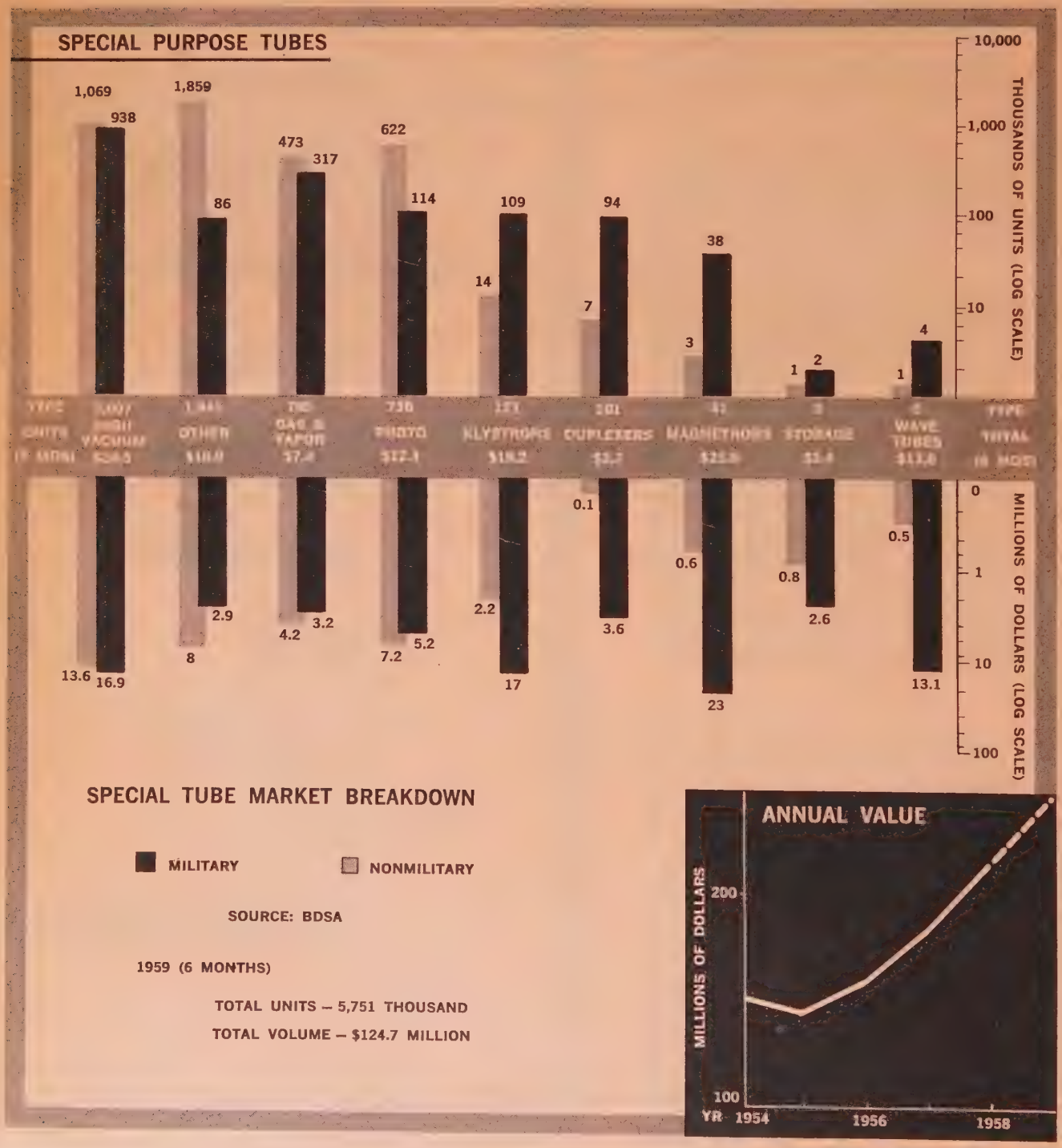
ALL COMPONENTS
BILLIONS OF DOLLARS
YEAR


REPLACEMENT PARTS,
TUBES & SEMICONDUCTORS
2
1
BILLIONS OF DOLLARS
1950
1960
1970
YEAR
BASED ON EIA EST.

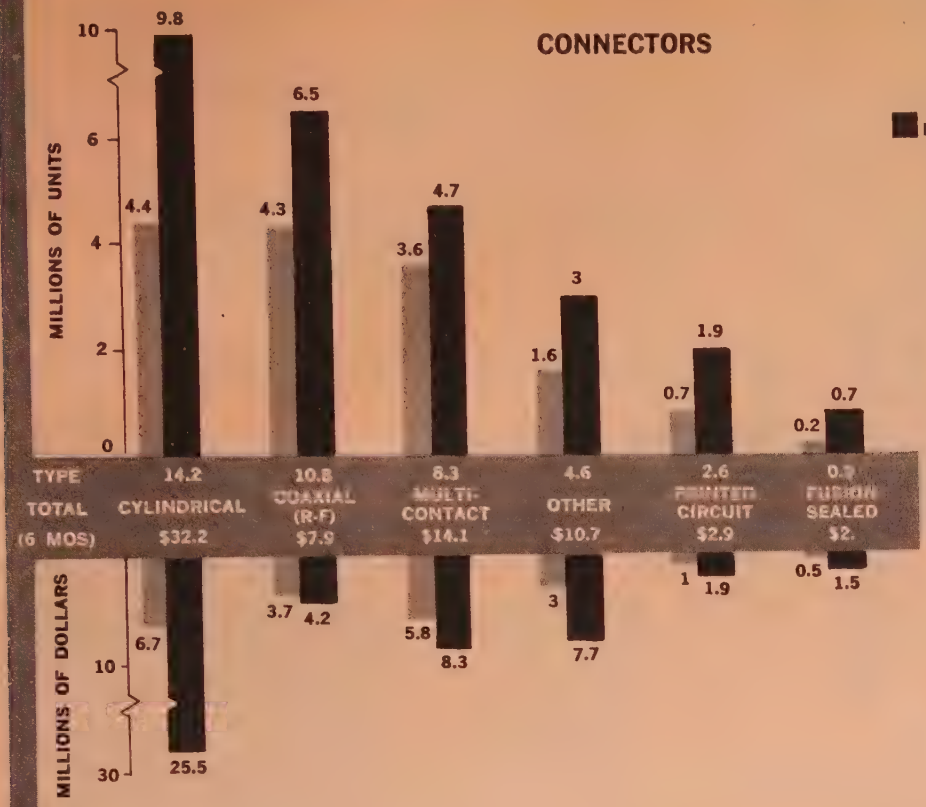

FACTORY SALES OF COMPONENTS
MILLIONS OF DOLLARS
0
200
400
RECEIVING TUBES
355
386
401
TV PICTURE TUBES
165
189
200
POWER & SPECIAL PURPOSE TUBES
214
250
288
TRANSISTORS
115
250
385
RECTIFIERS & DIODES
115
195
250
CAPACITORS
210
240
264
RESISTORS
165
224
251
TRANSFORMERS
100
112
114
RELAYS & SWITCHES
180
201
221
TRANSDUCERS
100
120
140
OTHERS
770
887
976
1960
1959
1958
SOURCE: ELECTRONICS

Component Sales

Business and Defense Services Administration Estimates of Component Shipments by Type and Factory Value

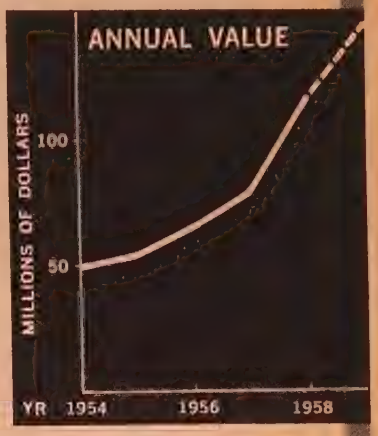


CONNECTORS

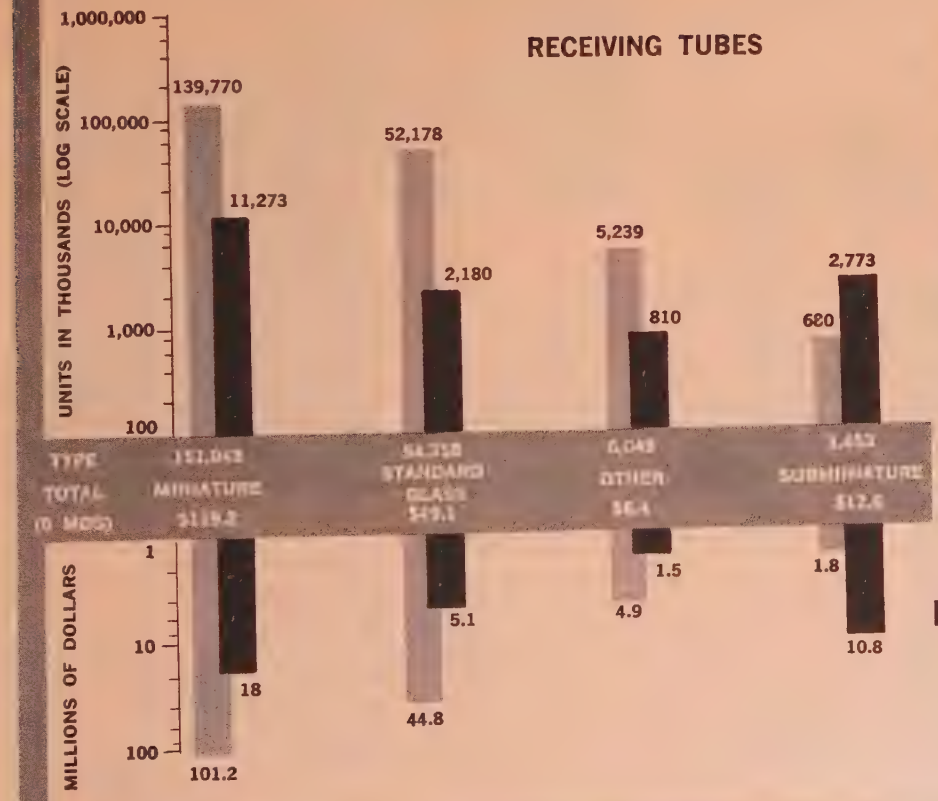


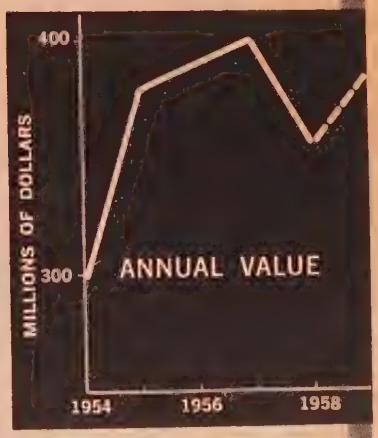
CONNECTOR MARKET BREAKDOWN

MILITARY NONMILITARY
BY UNIT AND DOLLAR VOLUME
1959 (6 MONTHS)
SOURCE: BDSA
TOTAL UNITS – 41.4 MILLION
TOTAL VOLUME – $69.8 MILLION

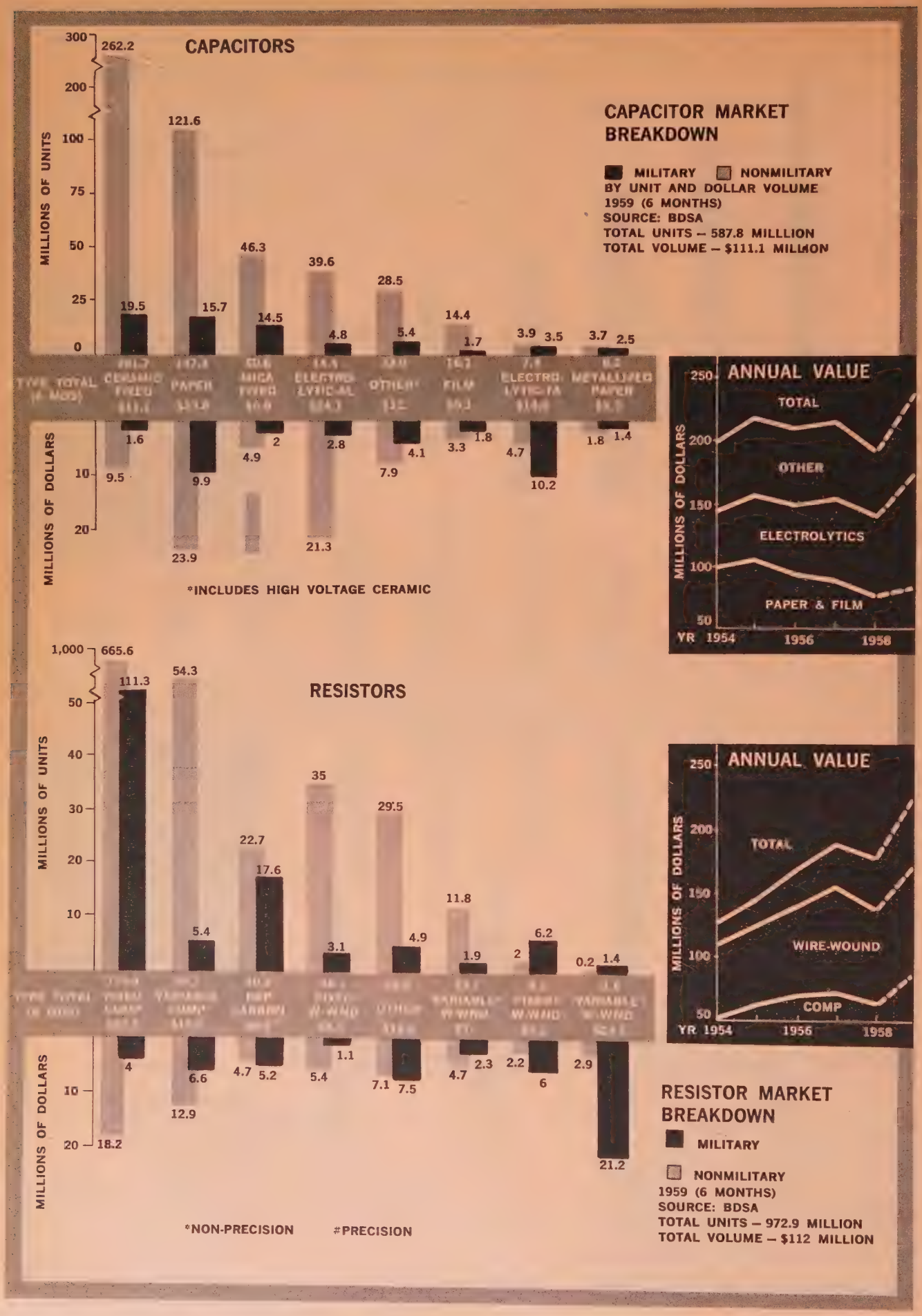


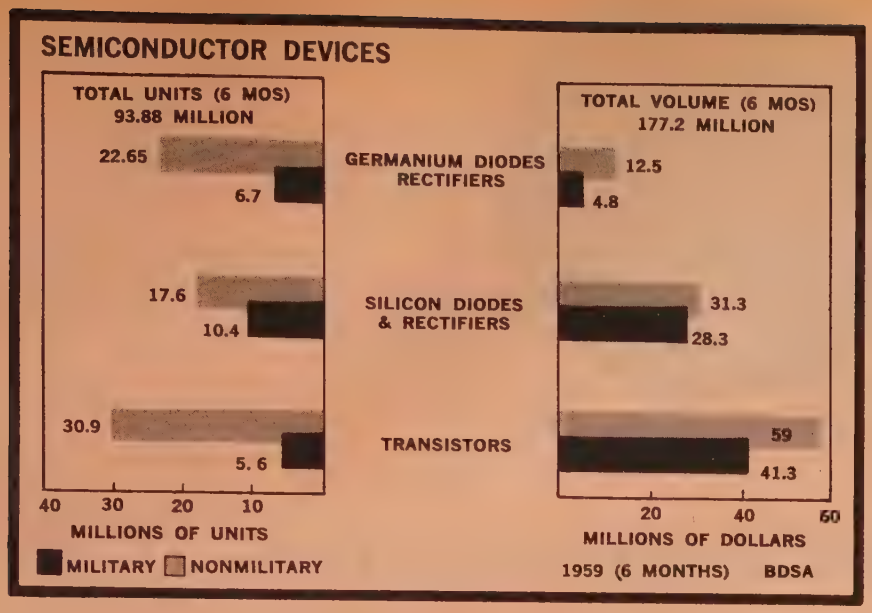
RECEIVING TUBES

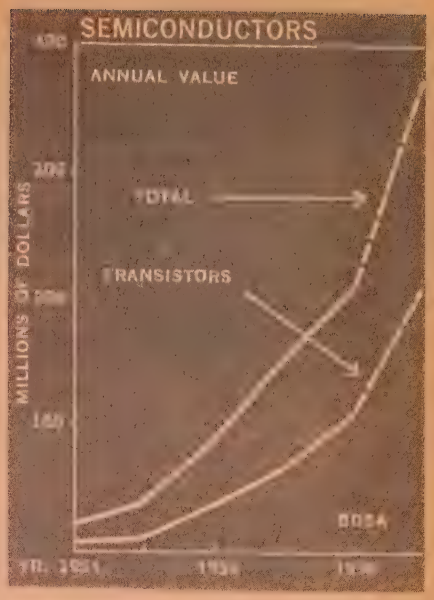


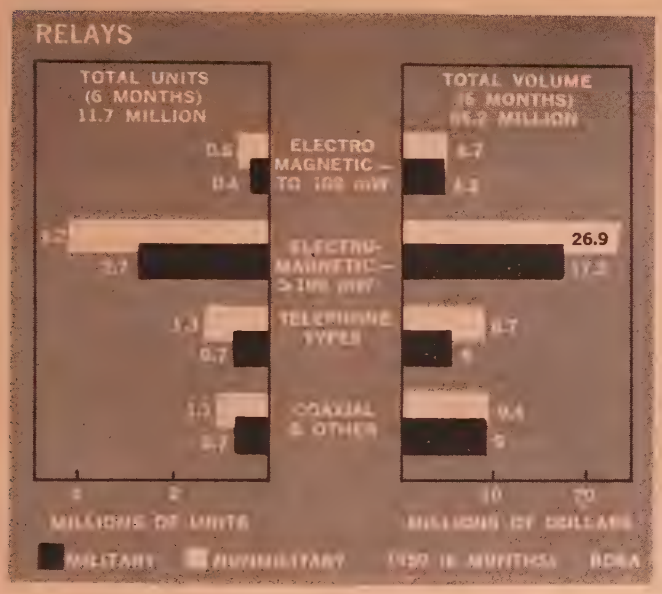


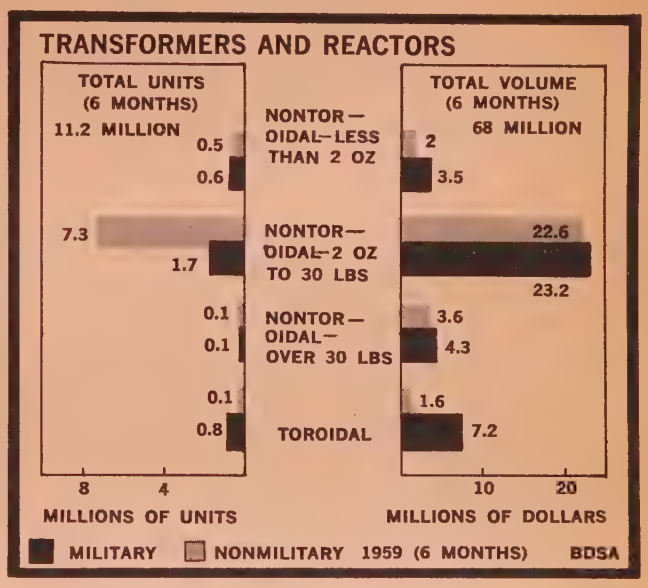
RECEIVING TUBE MARKET BREAKDOWN
MILITARY NONMILITARY
1959 (6 MONTHS)
SOURCE: BDSA
TOTAL UNITS – 214,903 THOUSAND
TOTAL VOLUME – $188.1 MILLION

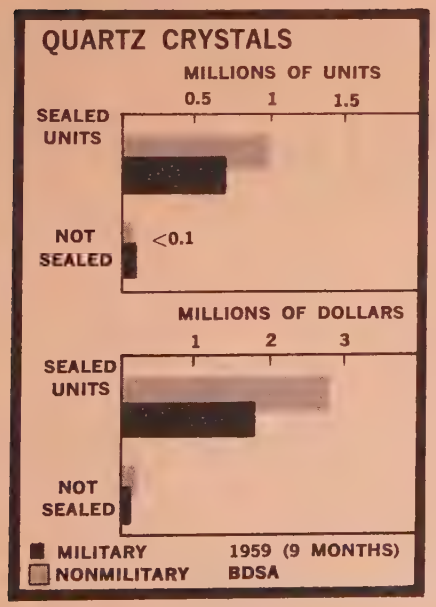

CAPACITORS
CAPACITOR MARKET BREAKDOWN
MILITARY
NONMILITARY
BY UNIT AND DOLLAR VOLUME
1959 (6 MONTHS)
SOURCE: BDSA
TOTAL UNITS – 587.8 MILLION
TOTAL VOLUME – $111.1 MILLION
MILLIONS OF UNITS
MILLIONS OF DOLLARS
TOTAL (6 MOS)
CERAMIC FIXED
PAPER
MICA FIXED
ELECTRO-LYTICAL
OTHER*
FILM
ELECTRO-LYTICAL
METALIZED PAPER
262.2
121.6
46.3
39.6
28.5
14.4
3.9
3.7
19.5
15.7
14.5
4.8
5.4
1.7
3.5
2.5
1.6
9.5
9.9
23.9
4.9
2
2.8
21.3
7.9
4.1
3.3
1.8
4.7
10.2
1.8
1.4
*INCLUDES HIGH VOLTAGE CERAMIC
ANNUAL VALUE
TOTAL
OTHER
ELECTROLYTICS
PAPER & FILM
MILLIONS OF DOLLARS
YR 1954
1956
1958
RESISTORS
RESISTOR MARKET BREAKDOWN
MILITARY
NONMILITARY
1959 (6 MONTHS)
SOURCE: BDSA
TOTAL UNITS – 972.9 MILLION
TOTAL VOLUME – $112 MILLION
MILLIONS OF UNITS
MILLIONS OF DOLLARS
665.6
111.3
54.3
22.7
17.6
35
3.1
29.5
4.9
11.8
1.9
2
6.2
0.2
1.4
4
18.2
6.6
12.9
4.7
5.2
5.4
1.1
7.1
7.5
4.7
2.3
2.2
6
2.9
21.2
*NON-PRECISION
#PRECISION
ANNUAL VALUE
TOTAL
WIRE-WOUND
COMP
MILLIONS OF DOLLARS
YR 1954
1956
1958

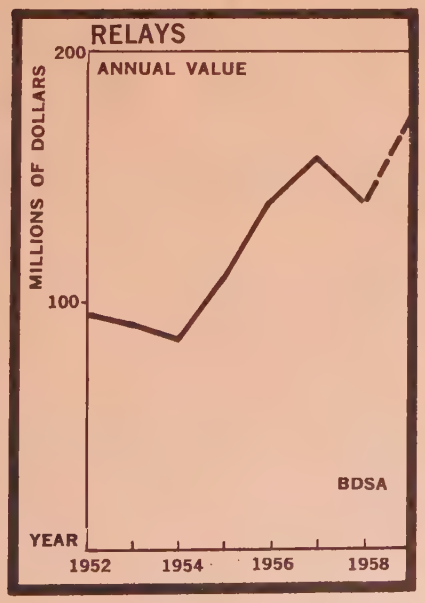

SEMICONDUCTOR DEVICES
TOTAL UNITS (6 MOS)
93.88 MILLION
TOTAL VOLUME (6 MOS)
177.2 MILLION
GERMANIUM DIODES RECTIFIERS
22.65
6.7
12.5
4.8
SILICON DIODES & RECTIFIERS
17.6
10.4
31.3
28.3
TRANSISTORS
30.9
5.6
59
41.3
40 30 20 10
MILLIONS OF UNITS
20 40 60
MILLIONS OF DOLLARS
MILITARY NONMILITARY
1959 (6 MONTHS) BDSA

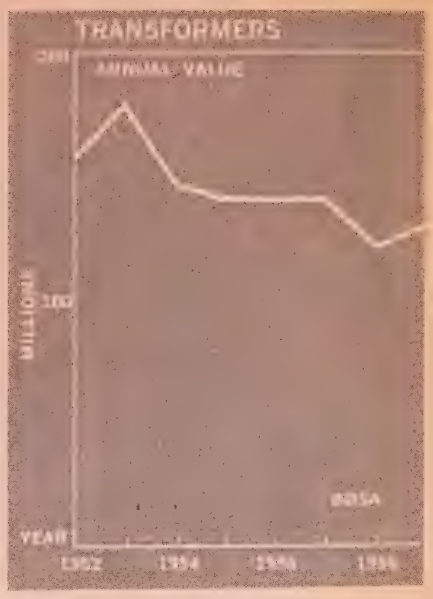

SEMICONDUCTORS
ANNUAL VALUE
TOTAL
TRANSISTORS
MILLIONS OF DOLLARS
BDSA


RELAYS
TOTAL UNITS (6 MONTHS) 11.7 MILLION
TOTAL VOLUME (6 MONTHS)
ELECTRO MAGNETIC — TO 100 mW
ELECTRO-MAGNETIC— >100 mW
TELEPHONE TYPES
COAXIAL & OTHER
26.9
MILLIONS OF UNITS
MILLIONS OF DOLLARS
MILITARY NONMILITARY
BDSA


TRANSFORMERS AND REACTORS
TOTAL UNITS (6 MONTHS) 11.2 MILLION
TOTAL VOLUME (6 MONTHS) 68 MILLION
NONTOR—OIDAL—LESS THAN 2 OZ
0.5
0.6
2
3.5
NONTOR—OIDAL—2 OZ TO 30 LBS
7.3
1.7
22.6
23.2
NONTOR—OIDAL—OVER 30 LBS
0.1
0.1
3.6
4.3
TOROIDAL
0.1
0.8
1.6
7.2
8 4
MILLIONS OF UNITS
10 20
MILLIONS OF DOLLARS
MILITARY NONMILITARY 1959 (6 MONTHS) BDSA


QUARTZ CRYSTALS
MILLIONS OF UNITS
0.5 1 1.5
SEALED UNITS
NOT SEALED
<0.1
MILLIONS OF DOLLARS
1 2 3
SEALED UNITS
NOT SEALED
MILITARY
NONMILITARY
1959 (9 MONTHS)
BDSA


RELAYS
ANNUAL VALUE
MILLIONS OF DOLLARS
200
100
BDSA
YEAR
1952 1954 1956 1958


TRANSFORMERS
ANNUAL VALUE
BDSA
YEAR

TOTAL — ALL VALUES IN MILLIONS OF DOLLARS — MILITARY

PRODUCTION OF MICROWAVE COMPONENT BY TYPE OF FIRM

TYPE OF FIRM

A — Microwave Component Specialists (43 FIRMS)
B — Specializing in CATALOG ITEMS (7 Firms)
C — Special Design (36 Firms Incl. "D")
D — Ferrite (5 Firms)

Microwave Components

Survey made by BDSA gives a detailed breakdown of military and nonmilitary sales of components for use above 300 Mc

BUSINESS AND DEFENSE

Services Administration recently disclosed the results of a survey, made in 1959, of the production of microwave components. The survey covered 96 firms estimated to account for 75 percent of the total output of the components included in the survey. While there are more than 200 firms producing microwave components, many of them are not primarily engaged in microwave component production. BDSA estimates that less than 50 establishments account for more than half the sales in this specialized field.

A table, giving the results of the survey, is on the following page

ESTIMATED TOTAL VALUES OF MICROWAVE COMPONENTS (ALL MANUFACTURERS)

COMPONENT	VALUE ($ MILLIONS)
MICROWAVE TUBES[a]	108
MICROWAVE ANTENNAS	95
MICROWAVE COMPONENTS[b]	92
OTHER (MIXER CRYSTALS, etc.)	5
TOTAL	300

(a) For a detailed breakdown of military and nonmilitary tube sales made by BDSA in 1959, see the preceding pages
(b) This category includes the components listed in the table on the next page

ORIGIN OF SHIPMENTS OF MICROWAVE COMPONENTS AND RELATED INFORMATION, BY METROPOLITAN AREA, 1958

METROPOLITAN AREA	Number of Establishments	Percent of Total Shipments	Percent for Military	Percent Unfilled orders[a]	Degree of Specialization[b]
NEW YORK CITY	24	37.6	90.0	54.7	48.2
NEWARK, N. J.	9	16.3	79.3	43.6	70.7
LOS ANGELES	11	8.0	62.7	100.2	8.3
BOSTON	19	7.8	82.5	51.5	87.5
SAN FRANCISCO	6	4.3	25.8	24.4	5.3
ALL OTHERS[c]	27	26.0	76.6	61.2	5.7
TOTAL OR AVERAGE	96	100.0	79.4	56.8	12.1

(a) As of December 31, 1958. (b) As measured by the ratio of the value of the establishments' microwave component shipments to their total shipments. (c) Includes several areas with substantial microwave component shipments which cannot be shown separately without disclosing information on individual firms.

SHIPMENTS OF MICROWAVE COMPONENTS IN 1958 (96 MANUFACTURERS)

PRODUCT	AVERAGE UNIT PRICE	TOTAL SHIPMENTS		MILITARY		NONMILITARY	
		NUMBER OF UNITS	VALUE ($1,000)	NUMBER OF UNITS	VALUE ($1,000)	NUMBER OF UNITS	VALUE ($1,000
NON-FERRITE DEVICES:							
Attenuators	$76.10	48,004	$3,654	29,327	$2,129	18,677	$1,525
Bends and twists	15.50	115,645	1,797	109,242	1,494	6,403	303
Bolometers	17.00	27,632	463	23,734	404	3,898	59
Cavity frequency meters	377.50	8,054	3,041	6,215	2,560	1,839	481
Delay lines	234.00	560	131	518	120	42	11
Diplexers	495.00	767	380	691	316	76	64
Directional couplers	81.00	38,225	3,106	29,574	2,440	8,651	666
Dummy loads	128.00	15,579	1,987	12,635	1,732	2,944	255
Duplexers, except tubes	100.00	29,227	2,925	27,010	2,720	2,217	205
Filters	45.00	51,953	2,325	46,432	1,958	5,521	394
Flanges and couplings	5.00	228,696	1,171	188,758	962	39,938	209
Gyrators[a]							
Holders and mounts (bolometer, crystal, thermistor, etc.)	54.50	31,945	1,743	24,486	985	7,459	758
Horns (standard gain, ridged, etc.)	119.00	11,648	1,384	9,095	1,043	2,553	341
Hybrid junctions (T's, L's, folded hybrids, etc.)	218.00	10,579	2,304	8,856	2,096	1,723	208
Isolators	177.00	820	145	549	64	271	81
Limiters[a]							
Magnetron test plumbing, nec	584.00	154	90	120	87	34	3
Modulators	1,770.00	668	1,182	109	419	559	763
Phase shifters	188.00	3,897	734	3,263	603	634	131
Printed microwave components	737.00	787	580	742	304	45	276
Probes	60.00	1,962	117	1,629	75	333	42
Reflections, standard	181.00	843	153	243	46	600	107
Rotary and sector scan joints	333.50	10,840	3,616	5,158	2,948	5,682	668
Shutters	174.00	471	82	429	73	42	9
Sliding loads, shorts, etc.	75.50	4,730	357	2,137	226	2,593	131
Slotted lines	245.00	3,933	964	1,237	418	2,696	546
Switches, coaxial and waveguide	143.00	33,930	4,850	14,602	3,886	19,328	964
Terminations	62.00	8,925	554	5,547	419	3,378	135
Transitions (coaxial to waveguide adapters, etc.)	72.00	24,448	1,770	16,567	1,484	4,881	226
Tuners	129.00	8,688	1,125	2,858	871	5,830	254
Waveguides, rigid and flexible	33.00	300,016	9,954	259,028	7,936	40,988	2,018
Windows	21.50	4,728	102	4,060	84	668	18
Other[b]		70,541	11,917	65,084	10,661	5,457	1,256
Total, nonferrite			64,670		51,563		13,107
FERRITE MICROWAVE COMPONENTS:							
Attenuators	128.00	288	37	88	29	200	8
Circulators	294.00	432	127	177	61	255	66
Duplexers	274.00	930	255	74	105	856	150
Gyrators[a]							
Isolators	127.00	18,635	2,363	13,535	1,742	5,100	621
Limiters[a]							
Modulators	382.00	532	203	327	161	205	42
Phase shifters[a]							
Switches	541.00	61	33	56	31	5	2
Other[c]		3,750	758	2,190	506	1,560	252
Total, ferrite			3,776		2,635		1,141
Grand total, ferrite and nonferrite			68,446		54,198		14,248

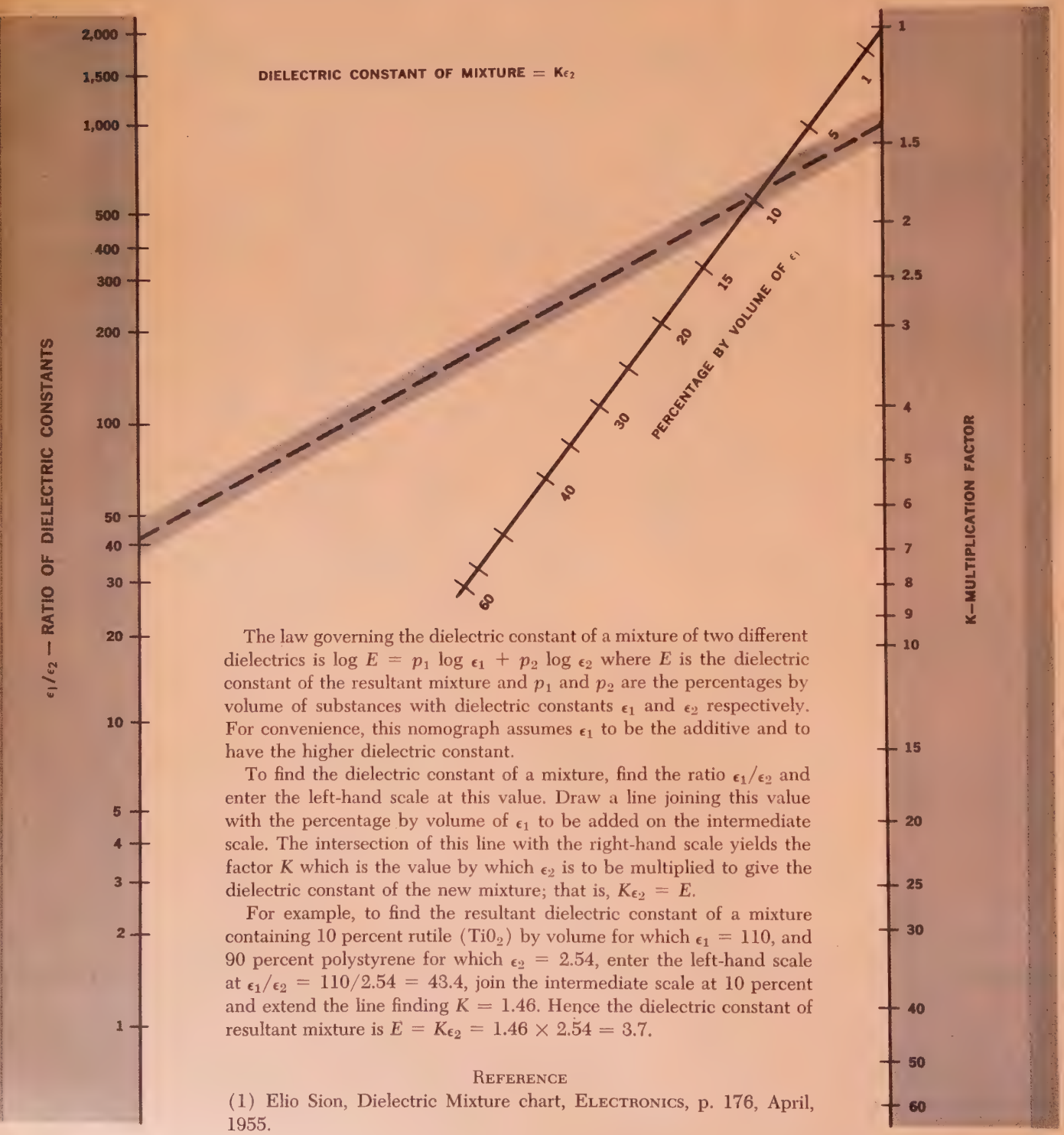
(a) Data on gyrators, limiters and phase shifters were withheld by BDSA to avoid proprietary disclosures. Amounts are included in "other" and totals.

(b) Principal components included in this listing are, in order of value of shipment: antenna components, coaxial tuned cavities, mixers and mixer arrays, RF coaxial wattmeters, hybrid junctions, test equipment not classified, component systems, linear/circular polarizers, waveguide tubing, preselectors and RF oscillators, power meters, waveguide assemblies, combination waveguide components, crystal mixers and power dividers, metallized attenuators, amplifier cavities. These components had a shipment value of $10,588,000 in 1958.

(c) Principal items, in order of value, are: special ferrite devices, antenna mixers, equalizers and harmonic suppressors, research. These had a combined shipment value in 1958 of $640,000.

Materials for Components Dielectric Mixture Chart

Plastic encapsulents are often mixed with fillers to reduce shrinkage and increase dimensional stability. The dielectric constant of the compound can be found with the accompanying chart.[1]



The law governing the dielectric constant of a mixture of two different dielectrics is $\log E = p_1 \log \epsilon_1 + p_2 \log \epsilon_2$ where E is the dielectric constant of the resultant mixture and p_1 and p_2 are the percentages by volume of substances with dielectric constants ϵ_1 and ϵ_2 respectively. For convenience, this nomograph assumes ϵ_1 to be the additive and to have the higher dielectric constant.

To find the dielectric constant of a mixture, find the ratio ϵ_1/ϵ_2 and enter the left-hand scale at this value. Draw a line joining this value with the percentage by volume of ϵ_1 to be added on the intermediate scale. The intersection of this line with the right-hand scale yields the factor K which is the value by which ϵ_2 is to be multiplied to give the dielectric constant of the new mixture; that is, $K\epsilon_2 = E$.

For example, to find the resultant dielectric constant of a mixture containing 10 percent rutile (TiO_2) by volume for which $\epsilon_1 = 110$, and 90 percent polystyrene for which $\epsilon_2 = 2.54$, enter the left-hand scale at $\epsilon_1/\epsilon_2 = 110/2.54 = 43.4$, join the intermediate scale at 10 percent and extend the line finding $K = 1.46$. Hence the dielectric constant of resultant mixture is $E = K\epsilon_2 = 1.46 \times 2.54 = 3.7$.

Reference

(1) Elio Sion, Dielectric Mixture chart, Electronics, p. 176, April, 1955.

Insulation Temperature Limits

Arrangement of materials in descending order of average service temperature limit permits narrowing choice of materials at a glance when temperature dominates specifications.

Material	*Deg F*
Ceramic-Vitreous Enamel on Solid Nickel Wire	1,500
Glass-Ceramic (Pyroceram)	1,300
Solid Alumina	1,300
Ceramic-Vitreous Enamel on Nickel-Clad Copper Wire	1,000
Glass-Bonded Artificial Mica	1,000
Alumina Microspheres	950
Reconstituted Phlogopite Mica	950
Glass Braid on Wire	950
Ceramic Coating on Wire	950
Tin Dioxide-Antimony Oxide Film	950
Magnesia Dielectric Film	950
Boron Nitride Dielectric Film	950
Alumina Dielectric Film	950
Glass-Bonded Natural Mica	900
Forsterite Electron-Tube Spacers	750
Alumina Electron-Tube Spacers	850
Silicone, Foamed-in-Place	700
Polytetrafluoroethylene Film (Teflon)	550±25
Silicone Rubber	550
Silicone, Mineral-Filled	500
Silicone, Glass-Filled	475
Polytetrafluoroethylene (Teflon)	500
Phenol-Formaldehyde, Asbestos-Filled	475±125
Polyester, Asbestos-Filled	450
Fluorinated Acrylic Rubber	450
Methyl Cellulose Film	430
Diallyl Phthalate	400±50
Epoxies, Cast, Unfilled	425±175
Epoxies, Cast, Silica-Filled	425±175
Polytrifluorochloroethylene (Kel-F)	390
Melamines, Glass-Fiber-Filled	350±50
Nylon, Glass-Fiber-Filled	350±50
Cellulose Acetate Foam	350
Alkyds, High-Strength	350
Cellophane	340±35
Polyester, Glass-Filled	325±25
Phenolics, Electrical	325±75
Urethane, Rigid, Foamed-in-Place	325±75
Alkyds, General-Purpose	325±25
Epoxies, Prefoamed	325±20
Cellulose Acetate Film	300±100
Polytrifluorochloroethylene Film	300
Polycarbonate	300
Polypropylene	300±25
Furan	300±30

Material	*Deg F*
Polyacrylic Ester	300±50
Polyethylene Terephthalate Film	300
Butyl Rubber	300±50
Allyls, Cast	300
Phenolics, Foamed-in-Place	300
Chlorinated Polyether	290
Nylon 66	290±10
Vinylidene Chloride Film	290±30
Nylon Film	280±100
Casein	275
Melamines, Asbestos-Filled	275±25
Epoxies, Flexible	275±25
Polysulfide-Epoxy, Cast	270±25
Urethane, Flexible, Foamed-in-Place	270±15
Rubber Phenolics	260±40
Polyester, Cast, Rigid or Flexible	250
Melamines, Fabric-Filled	250
Nitrile Rubber	250
Polysulfide Rubber	250
Glyceryl Phthalate	250
Polymethyl Alphachloroacrylate	250
Polyethylene, High-Density	250
Melamines, Cellulose-Filled	250
Phenol-Formaldehyde, Unfilled	250
Neoprene Rubber	240
Urethane Rubber	240
Ethyl Cellulose Film	225
ABS (Acrylonitrile, Butadiene and Styrene) Monomers	225
Acetal (Polyformaldehyde) Resin	225
Chlorinated Acrylic	225
Hard Rubber	220
Polyethylene, Low-Density	210
Allyls, Molded	210
Butadiene-Acronitrile Foam	210
Polyvinyl Chloride Film, Rigid	210±10

Material	*Deg F*
Polymethylstyrene	210
Melamines, Unfilled	210
Urea, Prefoamed	200
Epoxies, Foamed-in-Place	200
Polymethyl Methacrylate (Acrylic)	200
Polystyrene Film	200±20
Polyethylene Film	200
Vinyl Nitrile Rubber Blend Film	200
Vinylidene Chloride	190±10
Ethyl Cellulose	190±10
Cellulose Propionate	190±10
Cellulose Acetate Butyrate	190±10
Styrene Sheets, Heat-Resistant	190±10
Polyvinyl Chloride Foam	185±35
Polystyrene, Foamed-in-Place	185
Polyvinyl Chloride, Flexible	180±40
Natural Rubber	180
Styrene-Butadiene Rubber	180
Neoprene Foam	180
Cellulose Acetate	180±40
Styrene Blends	175±25
Polymethyl Methacrylate Film	170±15
Methyl Methacrylate	170±30
Ureas	170
Polyvinyl Chloride Film	170±15
Polystyrene, Unfilled	160±10
Polystyrene, Prefoamed	160
Styrene Sheets, Shock-Resistant	160±15
Natural Rubber Foam	160
Phenolics, Unfilled	160
Styrene-Butadiene Foam	160
Ethyl Cellulose	150±35
Cellulose Acetate Butyrate Film	140
Vinyl Chloride	145±25
Vinyl Formal	140±10
Cellulose Nitrate	140
Vinyl Butyral	110

Where service temperature varies with formulation or purity of a material, average value is given, followed by a value indicating the possible range of variation above and below this value. When a wide range is indicated, always obtain latest specific values from manufacturers of the materials that appear to meet the required temperature specifications.

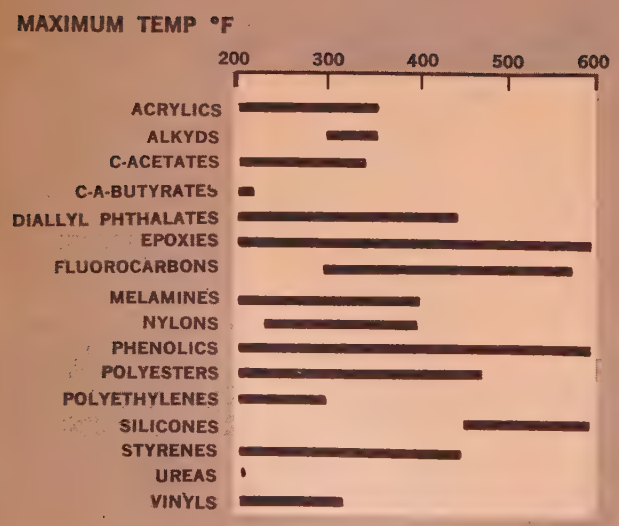
Plastics Selection

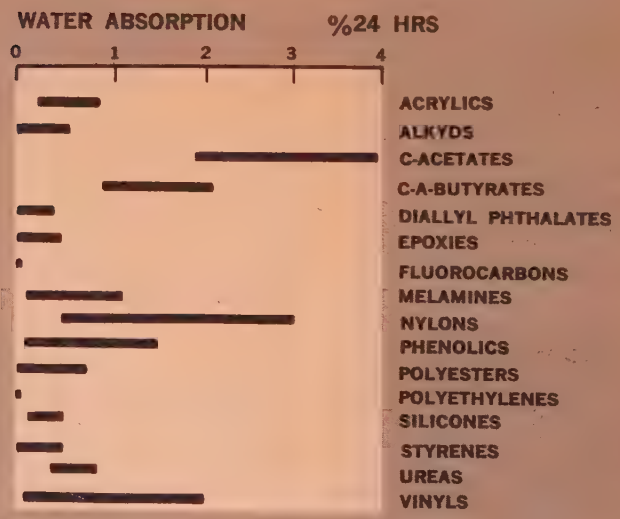
FEW PLASTICS BECOME END PRODUCTS

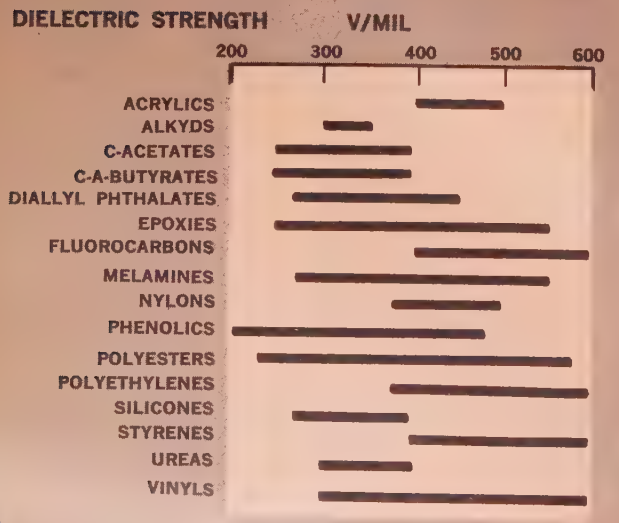
without first being compounded with fillers, reinforcements and other additives, changing the physical and electrical properties of the basic plastic. Properties within a class of materials also vary with chemical structure, proprietary formulation, fabricating methods and the shape in which the product is made.

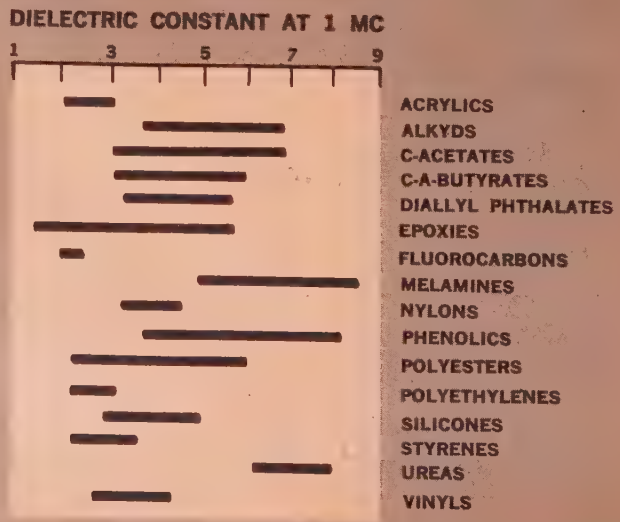
The graphs on this and the following page present—in a form suitable for rapid scanning—the ranges of properties that can normally be found in 16 widely-used plastics. After the graphs have helped narrow down the choice of materials, suppliers listed in the directory section should be consulted for detailed specifications, material costs and fabricating costs.

Most commercial compounds intended for electronic or electrical applications are designed to give the best electrical performance possible with satisfactory physical properties. Where electrical performance is paramount, characteristics near the optimum ends of the electrical properties scales will be found. The ranges given include those for compounds containing fibrous reinforcement. The extreme service temperatures may only be valid when physical stress is minimized and when changes in electrical properties are unimportant.









ADDITIONAL DATA

Acrylics — thermoplastic, chemical resistance fair except for organics, good stability, excellent optical properties, immune to fungus, weather-resistant

Alkyds — thermosetting, chemical resistance excellent except for strong acids and alkalis, good stability, self-extinguishing

Cellulose Acetates — thermoplastic, chemical resistance excellent except for acetone and acetate

Cellulose Acetate Butyrates — thermoplastic, chemical resistance good except for solvents and weathering

Diallyl Phthalates — thermosetting, very good chemical resistance, good optical properties, good stability

Epoxies — thermosetting, great variety of formulations, chemical resistance is generally very good, good stability, fungus-resistant, excellent adhesion

Fluorocarbons — thermoplastic, excellent chemical resistance and stability, slippery, good optical properties, very low power factor, burning rate nil, weather-resistant

Melamines — thermosetting, chemical resistance very good except for strong acids and alkalis, very good stability, self-extinguishing

Nylons — thermoplastic, chemical resistance very good except for soluble forms, tough in thin sections, good bearing surface, good stability, self-extinguishing

Phenolics — thermosetting, wide variety of compounds, chemical resistance generally good except for oxidizing acids and strong alkalis, good stability, self-extinguishing

Polyester — thermosetting, fair chemical resistance, good optical properties, good stability, very low power factor, very slow burning

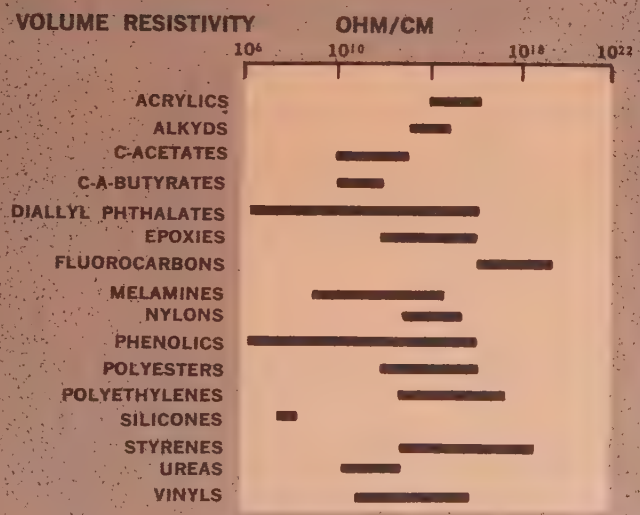
Polyethylene — thermoplastic, very good chemical resistance at normal temperatures, good stability, very low power factor, irradiation extends physical limits

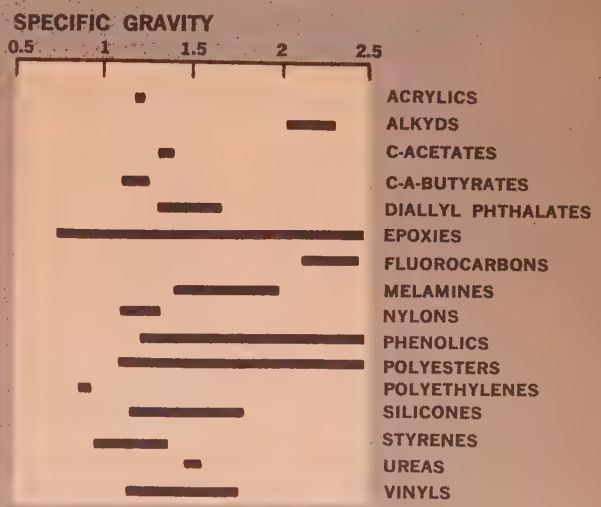
Silicones — thermosetting, good chemical resistance, exceptional temperature resistance compensates for problem properties

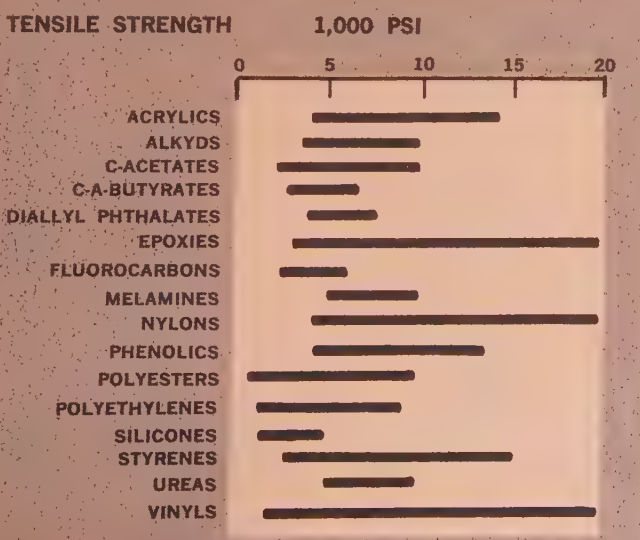
Styrenes — thermoplastic, good alkali resistance, fair to poor resistance to other chemicals, very low power factor, immune to fungus

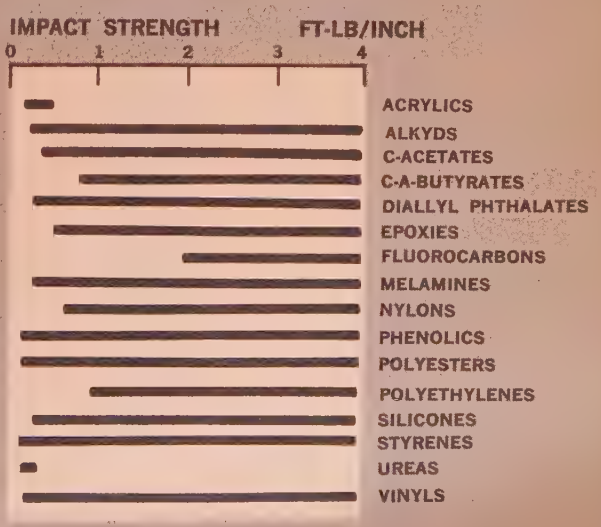
Ureas — thermosetting, poor resistance to acids and alkalis, excellent resistance to most oils and organics, good stability, self-extinguishing

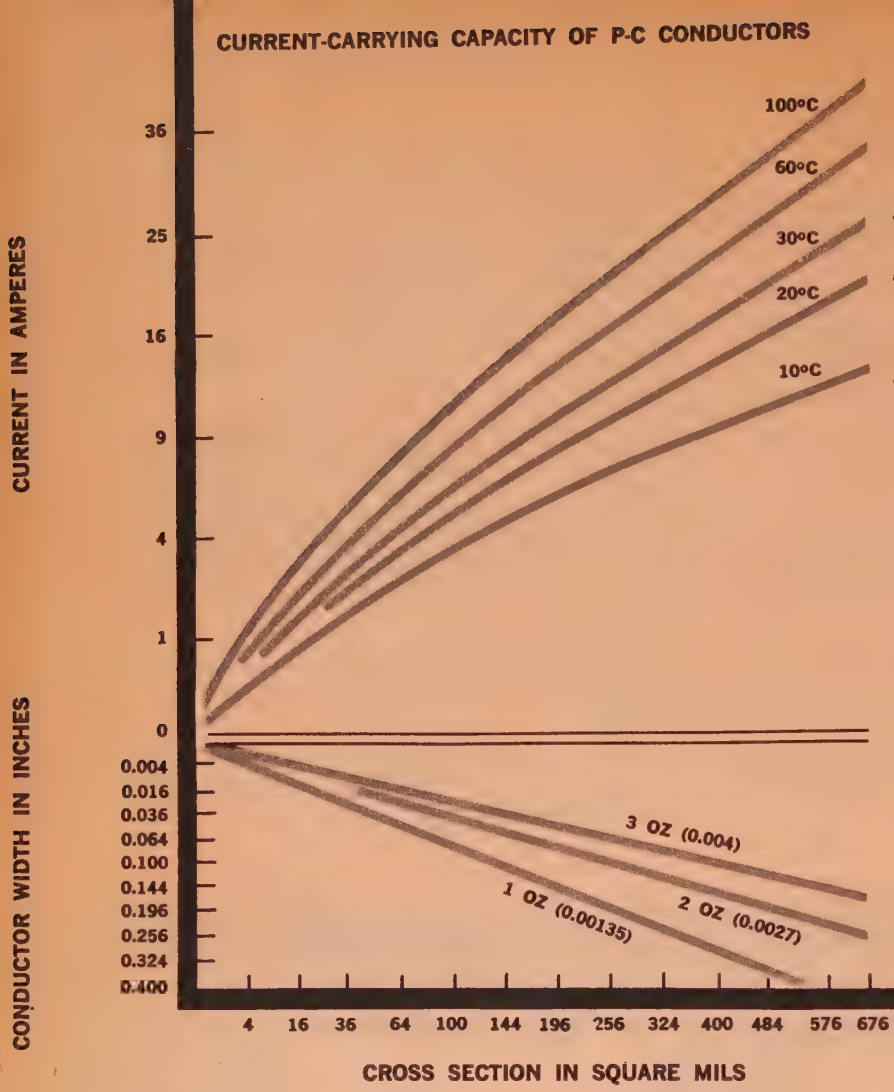
Vinyls — thermoplastic, chemical resistance varies (some types resist chemicals which attack others and vice-versa), good stability, usually self-extinguishing











Laminated Plastics

MAXIMUM SERVICE TEMPERATURE—°F

Paper Base Phenolic	*200-250*
Fabric-Phenolic	*225-250*
Asbestos-Base	*275-500*
Glass-Polyester	*250*
Glass-Melamine	*250-300*
Glass-Silicone	*300-400*
Glass-Epoxy	*300-350*
Glass-Phenolic	*290*
Nylon-Phenolic	*165*
Teflon-Glass	*400*

THE THREE GRAPHS

at the top of the following page show the percentage of strength retained by seven grades of laminates after 1,000 hours at elevated temperatures.[1] The other charts are the minimum or maximum laminate properties according to the NEMA standard.[2] Properties of commercially-available laminates are generally much better.

In the tables on this page are summarized the NEMA definitions for the various grades[2] and service temperature limits. The latter are not standard, but are the ranges usually followed. The graph on this page plots temperature rise as a function of current for a given cross section of copper conductor on paper base printed circuit board.[3] A 50 percent derating is recommended to compensate for variations in board thickness and production methods and materials. The graph is based on a study by the Navy.

REFERENCES

(1) "Industrial Thermosetting Laminates," National Electrical Manufacturers Association, New York, 1959.

(2) "Industrial Laminated Thermosetting Products," LP 1-1959, ibid.

(3) St. John Bain, General Properties of Paper Base Copper Clad Laminates for Printed Circuits, National Conference on the Application of Electrical Insulation, 1958.

NEMA Grades of Laminates, Standard Characteristics and Forms (binder is usually phenolic unless otherwise stated)

PAPER BASE:

X – mechanical; for dry conditions; sheets and rolled tubes
XP – for hot punching; sheets
XPC – for cold-punching; sheets
XX – suitable for usual electrical applications; good machineability; sheets, tubes, rods
XXP – better electrical and moisture-resisting properties than XX; sheets
XXX – suitable for r-f, high humidity, minimum cold-flow; sheets, tubes, rods
XXXP – better electrical properties than XXX, high insulation resistance and low dielectric losses under severe humidity; sheets
XXXPC – similar to XXXP, punch at lower temperature; sheets
ES-1, 2, 3 – for nameplates; ES-1 usually has melamine binder; sheets

FABRIC BASE:

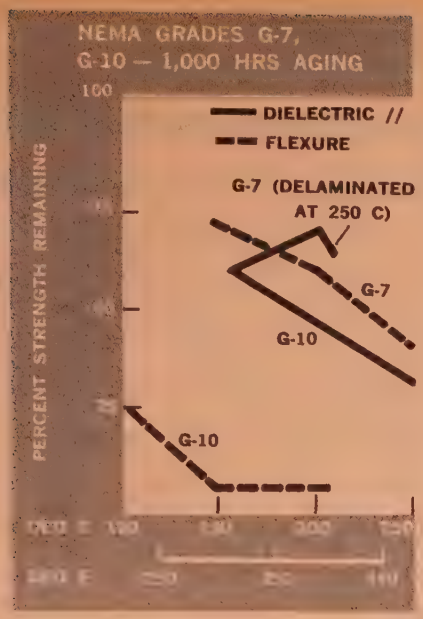
C, L – mechanical grades; sheets, tubes, rods
CE, LE – mechanical-electrical; not recommended at power frequencies at voltages over 600 V; sheets, rods, tubes
MC – alkali and arc resistance; sheets, rods

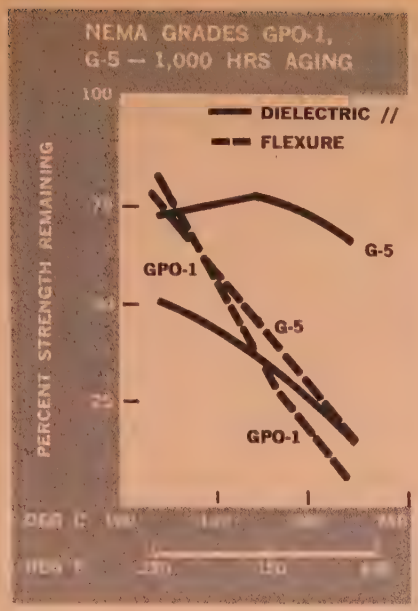
GLASS BASE:

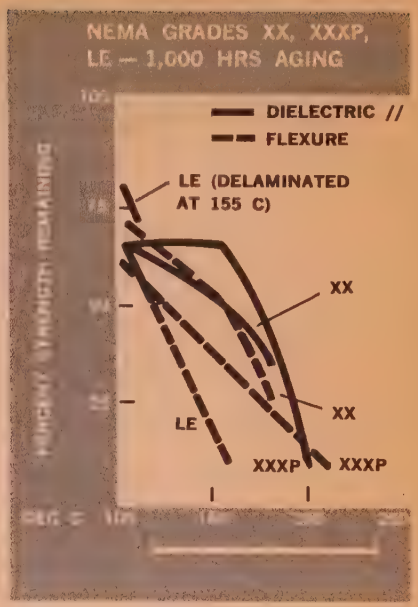
G-2 – good electrical properties at high humidity; weakest of glass-based grades; heat-resistant; sheets
G-3 – good dry electrical properties; general-purpose grade; sheets, rolled tubes, rods
G-5 – highest strength and hardness; next to silicone in heat and arc resistance; excellent electrical properties dry; melamine binder; sheets, rolled tubes, rods
G-6 – class H insulation; electrical properties extremely good when dry and good in humidity; silicone binder; sheets
G-7 – similar to G-6; better mechanical properties; higher dielectric strength; silicone binder; sheets
G-10 – extremely high mechanical strength; electrical properties good dry and in humidity; epoxy resin binder; sheets, rolled tubes, rods
G-11 – similar to G-10; more heat resistance; epoxy binder; sheets, rolled tubes, rods

OTHER GRADES:

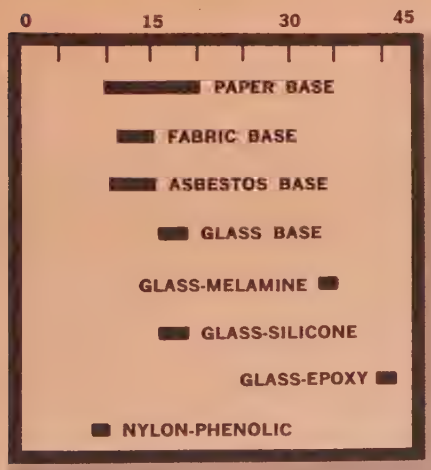
A, AA – asbestos base; heat and flame resistance; not for primary insulation, except A suitable under 250 V; sheets, tubes
GPO-1 – general purpose; glass mat with polyester binder; sheets
N-1 – nylon cloth base; excellent electrical properties in high humidity; subject to creep at temperatures over normal; sheets



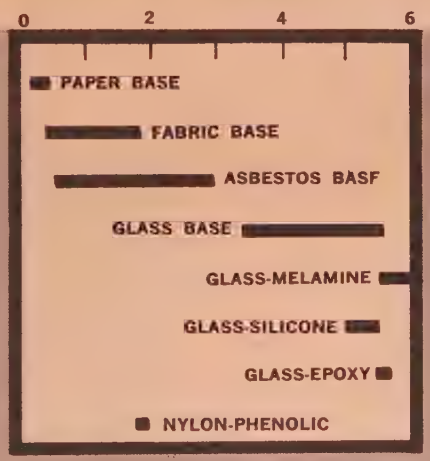




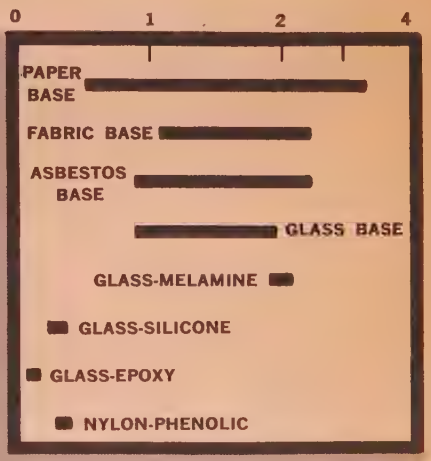
MINIMUM FLEXURAL STRENGTH IN 1,000 PSI ⅛ INCH SHEETS CROSSWISE COND A



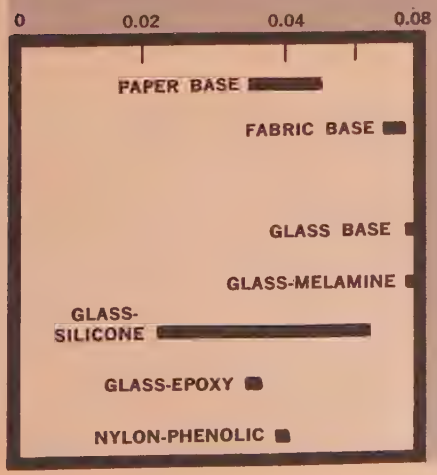
MINIMUM IMPACT STRENGTH IN FT-LB/INCH CROSSWISE



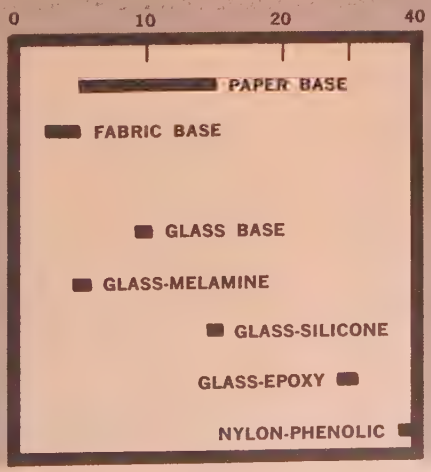
MAXIMUM WATER ABSORPTION IN PERCENT ⅛ INCH SHEETS



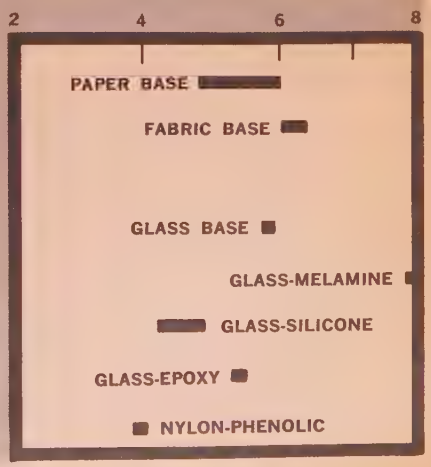
MAXIMUM DISSIPATION FACTOR AT 1 MC ⅛ INCH SHEETS COND D 24/23



MINIMUM DIELECTRIC STRENGTH IN KV PARALLEL TO LAMINATIONS S/S COND D 48/50



MAXIMUM DIELECTRIC CONSTANT AT 1 MC ⅛ INCH SHEETS COND D 24/53



Wire, Tape and Foam

Light-weight, shock-absorbing, sound-absorbing and —when desired—power absorbing foams are popular for insulations, potting and encapsulating, structural support, microwave lenses and other applications. Electrical properties can generally be varied with density or by metallic fillers. When service temperatures go beyond the limit of plastic foams, manufacturers can supply inorganic-based foams with service temperatures to 2,500 F. Some of the properties reported for foams are summarized in the accompanying table. Densities considerably lower than the maximum are usually favored for electronic applications. Densities of about 10 to 25 pounds per cubic foot are commonly used for potting, while much lower densities may be required for microwave applications.

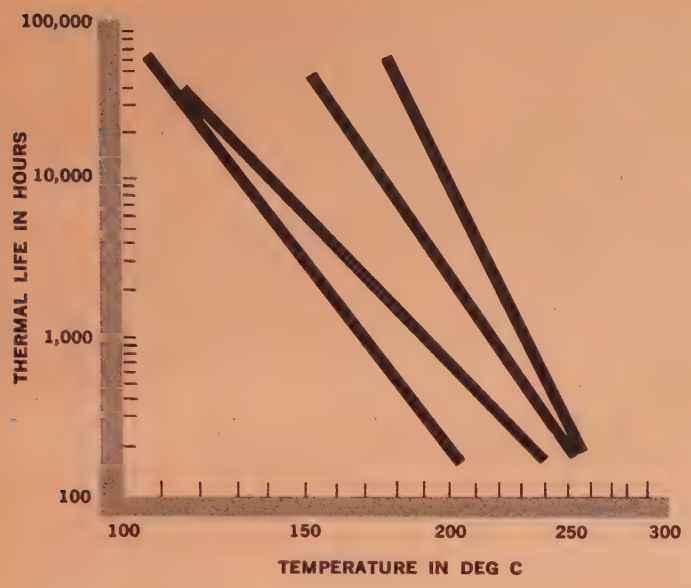
MAGNET WIRE INSULATIONS AND THEIR NORMAL TEMPERATURE CLASS

ENAMELED and COATED	TEMP CLASS[a] C	TEMP CLASS[a] F	APPLICATION
NATURAL ENAMEL	90-105	195-220	General purpose, low cost
FORMVAR	90-105	195-220	General purpose, higher-speed winding
NYLON	90-105	195-220	Solderable without stripping, resists solder craze
SELF-BONDING FORMVAR	105	220	To fabricate odd-shaped coils without varnish; cure with heat, solvent, resistance
POLYURETHANE	105	220	Solderable without stripping; good chemical, moisture and corona resistance
EPOXY-BASED	105-130	220-265	Good space factor, chemical, corona and moisture resistance; thermosetting
POLYESTERS	130-155	265-310	Moisture a problem, usually requires potting; chemical resistance good
ACRYLIC	130	265	Major uses in tv yoke coils, hermetically sealed motors; low moisture resistance
SILICONES	155-180	310-355	Use silicone varnishes; good space factor; tends to craze upon curing
SILICONE-CERAMIC	180	355	Must be carefully wound to prevent damage to insulation
TEFLON	180-220	355-430	Chemically inert, poor varnish adherence unless treated; also tape-wrapped
TEFLON-CERAMIC	220	430	Teflon protects ceramic base, adds flexibility, but tends to tear
TEFLON-SILICONE	>220	>430	Silicone enables use of clad wires for higher temperatures
ANODIZED ALUMINUM	>220	>430	Cracks easily, is porous; insulation thinness assists space factor
CERAMIC	>220	>430	Difficult to handle, temperature rating raised by baking out binder
FIBROUS INSULATIONS			
COTTON, COTTON-ENAMEL	90-105	195-220	
SILK, SILK-ENAMEL	90-105	195-220	
PAPER, PAPER-ENAMEL	90-105	195-220	
ASBESTOS	130-180	265-355	
NYLON FIBERS	90-105	195-220	
GLASS-FORMVAR	105-130	220-265	
GLASS-ORGANIC	130-155	265-310	
GLASS-DACRON	130	265	
GLASS-SILICONE	180-220	355-430	
GLASS-DACRON-SILICONE	180	355	

(a) Higher temperature rating usually results from varnishing winding

Fibrous insulations are more commonly used in electric power apparatus than in electronic apparatus. Some types are not available on fine magnet wire (asbestos is usually found on large square wires). These insulations are generally used when high cut-through strength is needed or when long service at elevated temperatures will drive off enamels and binders. The fibers remain as spacing insulation. Care must be taken in winding to avoid fraying.

MAGNET WIRE INSULATION LIFE



TYPICAL TAPES AND FILMS

	Service Temp. Class	Dielectric Strength volts/mil thickness	Tensile Strength lbs./in. width	Thickness (at values given)
Polyester	A	4,000	—	1
Varnish-paper	A	2,000	—	1
Polyester-paper	A	1,350	100	6.5
Polyester-cloth	A	2,750	20	5
Acetate-cloth	A	2,000	50	3.5
Irradiated polyethylene	A	2,750	—	5
Resin-glass	B	500	100	5
Asbestos-polyester	B	1,200	—	5
Polyester-rubber	B	2,200	20	2.5
Polyester-mica-glass	B	1,200	70	5
Glass flake-glassine	B	1,000	15	5
Glass-isocyanate	F	1,600	75	3
Asbestos-isocyanate	F	800	18	4
Glass-polyester	F	1,700	—	—
Glass-silicone	H	1,000	70	3
Glass-silicone rubber	H	1,100	70	5
Glass-tetrafluorethylene	H	750	45	3
Asbestos-silicone	H	800	7	3
Mica-resin mat	H	700	15	5
Mica-silicone-glass	H	325	70	6
Tetrafluorethylene	H	3,200	—	1
Asbestos-silicone	C	410	9.5	3
Glass paper	C	200	2.5	4
Mica-silicone	C	2,000	—	¾
Glass-silicone	C	850	—	—
Mica sheet	C	1,000	—	¾

TYPICAL CHARACTERISTICS OF SOME PLASTIC FOAMS

Thermosetting Foams	Epoxy	Phenolic	Isocyanate	Silicone
Density, lbs/cubic foot	1.5 — 39	0.1 — 25	1 — 40	6.5 — 20
Maximum Service Temp F	200 —>350	> 300	200 — 350	500 — > 700
Flexibility	rigid	rigid	flexible to rigid	flexible or rigid
Cell Structure	closed	closed and open	closed or open	closed and open
Electrical Properties[a]—K —Diss Factor	1.5 — 2 0.01 — 0.001	1.5 0.009	1 — 5 0.003 — 0.005	1.2 — 1.3 0.001 — 0.0004
How Foamed	prefoam or foam in place	prefoam or foam in place	foam in place	foam in place
Typical Applications	potting, encapsulating, radome cores	radome filler	potting, radomes, microwave lenses	high temperature potting

Thermoplastic Foams	Polyethylene	Polystyrene	C-Acetate	Vinyl
Density, lbs/cubic foot	4 —30	1 — 60	4 — 8	1 — 35
Maximum Service Temp F	200 — 250[b]	140 — 350	250 — 350	160 — 185
Flexibility	flexible	rigid	rigid	flexible or rigid
Cell Structure	closed	closed	closed	closed or open
Electrical Properties[a]—K — Diss Factor	~ 1.5 ~ 0.0004	1 — 2 0.0002 — 0.0006	~ 1.1 0.002 — 0.003	
How Foamed	prefoam	prefoam or foam in place	prefoam	prefoam
Typical Applications	lightweight wire and cable	microwave lenses, antennas	sandwich cores, sound-proofing	structural (heat-seal), cushioning

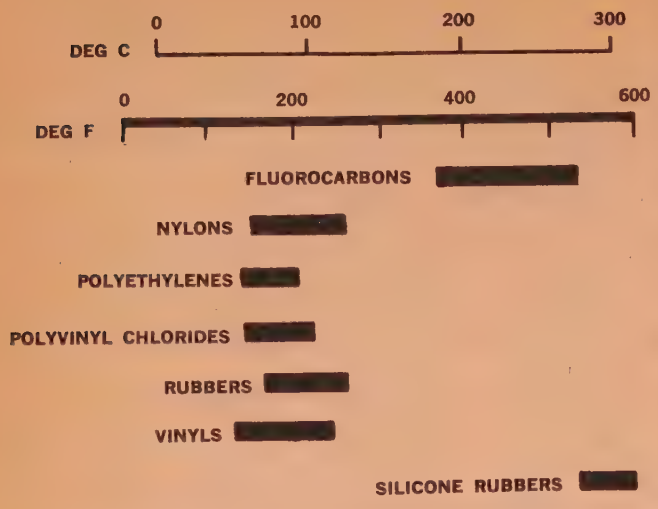
(a) Electrical properties can be varied widely with density and type of filler. Manufacturers should be consulted. Dielectric constant of metal-filled epoxy, for example, may be 7 (b) Softening point range of polyethylene

STANDARD TEMPERATURE RATINGS FOR INSULATION

Class	Temperature	BASIC MATERIALS
O	90 C (194 F)	Materials or combinations of materials such as cotton, silk and paper without impregnation
A	105 C (221 F)	Materials or combination of materials such as cotton, silk and paper when suitably impregnated or immersed in a dielectric liquid
B	130 C (266 F)	Materials or combinations of materials such as mica, glass fiber, asbestos with suitable bonding substances
F	155 C (311 F)	Class B-type materials with suitable binders
H	180 C (356 F)	Class B-type materials and others such as silicone elastomers with binders such as silicone resins
C	220 C and up	Inorganic materials such as mica, porcelain, glass, quartz

NOTE: In all classes, other materials may be substituted if experience and accepted tests demonstrate that the material is suitable for the class

SERVICE TEMPERATURES OF WIRE INSULATIONS

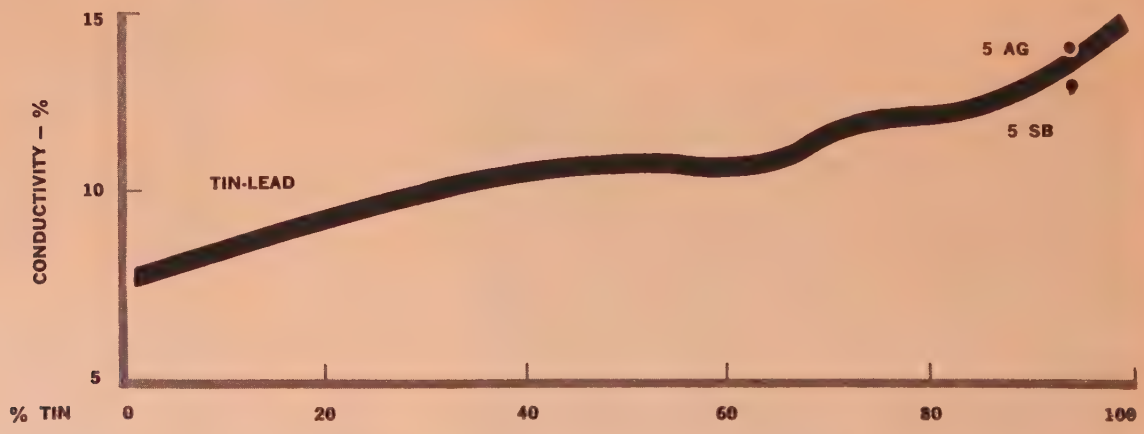


APPROXIMATE SPACE FACTORS FOR MAGNET WIRE

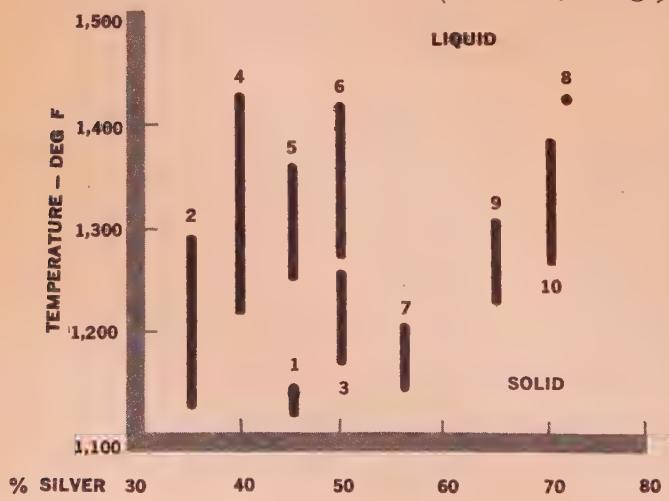
INSULATION	Awg Size 18	22	26	30	36	40
Single enamel	74	72	70	69	67	67
Heavy enamel	70	66	63	60	55	55
Single silk-enamel	67	63	56	48	35	29
Single cotton	65	56	49	40	25	–
Single cotton-enamel	60	53	43	33	20	15
Single glass	65	55	49	43	27	–
Single glass-enamel	55	46	37	27	15	–
Single silicone-ceramic	74	74	73	69	60	56
Single Teflon	73	71	69	66	63	62
Ceramic-single Teflon	74	74	73	69	62	58
Bare copper wire	78	78	78	78	78	78

SOLDER

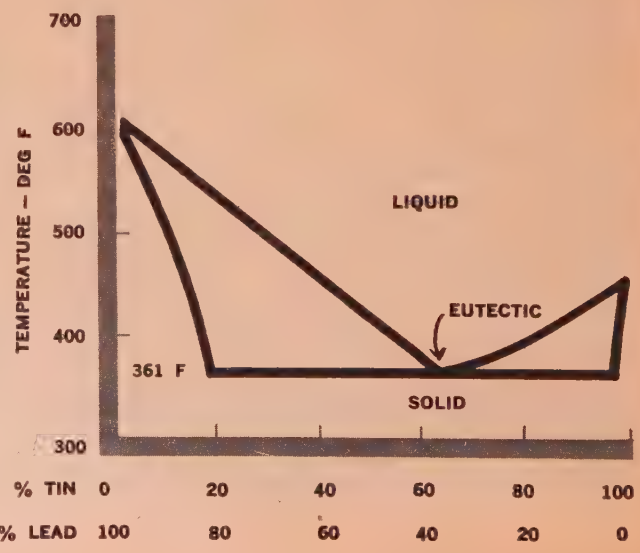
CONDUCTIVITY OF SOFT SOLDERS AS PERCENT OF COPPER CONDUCTIVITY



TYPICAL PLASTIC RANGES OF SILVER SOLDERS (ASTM, BAg-)



TIN-LEAD SOLDER MELTING RANGE



Expansion Coefficients

Materials matched in thermal expansion and contraction are often required in equipment subject to fluctuations in temperature. The following table gives the coefficients of linear expansion in inch/inch/degree $C \times 10^{-6}$ and in descending order. The values for plastic are for the range −30 C to 30 C. These approximations may be used to narrow down the choice of materials, after which materials manufacturers should be consulted for exact values for specific alloys or formulations in the temperature range desired.

Vinyl Acetate	265 ± 25
Vinylidine Chloride	190
Mercury	182
Vinyl Chloride, Flexible	160 ± 90
Polyvinyl Butyral	150 ± 70
Polyethylene	145 ± 35
Cellulose Propionate	140 ± 30
Cellulose Acetate Butyrate	140 ± 30
Cellulose Acetate	120 ± 40
Nylon	115 ± 35
Polypropylene	110
Vinyl Chloride, Rigid	110 ± 60
Polytetrafluoroethylene (Teflon)	100
Cellulose Nitrate	100 ± 20
Styrene Copolymer Blends	95 ± 35
Chlorinated Polyether	80
Polyester, Unfilled	80 ± 20
Urethane, Foamed-in-Place	80 ± 10
Allyls, Cast	75 ± 25
Hard Rubber, Unfilled	75 ± 5
Polyvinyl Alcohol	70
Methyl Methacrylate	70 ± 20
Phenolics, Unfilled	70 ± 10
Styrene, Heat-Resistant	70 ± 10
Polystyrene, Unfilled	70 ± 10
Modified Acrylic Molding	70 ± 10
Teflon Laminates	65
Vinyl Carbazole	65 ± 15
Polystyrene, Prefoamed	65 ± 10
Vinyl Formal	64
Polymethyl Alphachloroacrylate	62
Polysulfide-Epoxy	60 ± 40
Epoxy, Flexible	60 ± 40
Lithium	56
Glyceryl Phthalate	55
Hard Rubber, Mineral-Filled	55
Casein, Molding	55 ± 15
Polychlorotrifluoroethylene (Kel-F)	55 ± 10
Epoxies, Unfilled	55 ± 10
Silicones, Mineral-Filled	54 ± 4
Celullose Acetates, Foamed Rigid	45
Phenol-Formaldehyde Laminates	45 ± 24
Epoxy, Foamed-in-Place	45 ± 25
Urethane, Prefoamed Rigid	45 ± 20
Wood, Across Fiber	45 ± 15
Phenol-Formaldehyde, Unfilled	45 ± 15
Vulcanized Fiber	42
Melamine-Formaldehyde, Cellulose-Filled	42 ± 2
Polyester Laminates	40 ± 5
Silicone Rubber, Foamed-in-Place	40 ± 5
Selenium	37
Micas	37 ± 10
Diallyl Phthalate, Mineral-Filled	35
Polyester, Filled	35 ± 15
Epoxy, Prefoamed	34 ± 5
Phenolics, Asbestos-Filled	33
Zinc	33
Indium	33
Epoxy Laminate, Glass-Filled	30 ± 15
Epoxy, Silica-Filled	30 ± 10
Lead	28 ± 1
Urea-Formaldehyde, Filled	27
Magnesium	27
Rubber Phenolics	27 ± 12
Solder, 50/50 Lead-Tin	25
Phenol-Formaldehyde, Filled	25/15
Melamine-Formaldehyde Laminate	25 ± 10
Manganese	23
Aluminum Alloys	22 ± 2
Dially Phthalate, Glass-Filled	22
Tin	21
Zinc Alloys	20
Silver	18.5 ± 0.4
Copper Alloys	18 ± 1.5
Copper	17 ± 0.4
Phosphor Bronze	16.8
Beryllium Copper	16.5
Nickel Silver	16.2
Cobalt	15
Melamine-Formaldehyde, Filled	15
Diallyl Phthalate, Fiber-Filled	15
Stainless Steel	14
Silicone Laminates	14 ± 5
Gold	14 ± 0.2
Nichrome	13.4 ± 0.3
Steel	13.3 ± 1.8
Nickel	12.8
Thorium	12
Nickel Alloys	12 ± 1
Palladium	11.8
Iron	11.7
Beryllium	11.5
Glass-Bonded Mica	11.5 ± 1.5
Inconel	11.5
Talc, Fired	11.5
Gray Cast Iron	11.2
Fosterite	11
Steatite	9.5 ± 1
Beryllia	9.3
Soda-Lime Glass	9.2
Lead Silicates Glass	9
Quartz Crystals	9 ± 4
Alumina Cermets	9 ± 0.5
Platinum	8.8
Tourmaline	8.5 ± 0.8
Rhodium	8.4
Silicone-Glass	8 ± 2
Titanates	7.5 ± 1.5
Iridium	6.8
Tantalum	6.5
Osmium	6.1
Wood, Parallel to Fiber	6 ± 3.5
Porcelain, Electrical	6 ± 1
Alumina	6 ± 1
Titanium	5.9
Zirconium	5.5
Germanium	5.5 ± 0.5
Silicon	5 ± 2.2
Zircon Porcelain	4.5 ± 1
Silicon Carbide	4.3
Molybdenum	4
Tungsten	4
Boron Carbide	3.1
Carbon	3
Lithia Porcelain	1
Invar	1.1
Silica Glass	0.67
Fused Quartz	0.58
Opaque Fused Silica	0.56 ± 0.03
Vitreous Silica	0.5
Clear Fused Silica	0.49

Symbols Dictionary

Most of the symbols commonly found on schematic or system diagrams are given on the following pages. They are arranged, for convenience in use, into seven sections:

Major Circuit Elements General Components Semiconductor Devices Electron Tubes
Transmission, Conductors and Flow Symbols Commonly Associated with Microwave Logic Symbols

The majority of symbols in common use have been standardized in "Graphical Symbols for Electrical Diagrams" (ASA Y32.2-1954), and "Graphical Symbols for Semiconductor Devices" (57 IRE 21.S3) which should be consulted for other symbols and details on their use. Logic symbols and symbols marked with an asterisk (*) are not reported in those standards. However, the symbols marked with an asterisk may be implied in the references or in other standards

MAJOR CIRCUIT ELEMENTS

CIRCUIT ELEMENT

general (abbreviation or letter symbols identify type)

AMPLIFIER

single line

complete

two inputs

two outputs

adjustable gain

with associated attenuator

with associated power supply

PS

with external feedback path

NET

Meter Instrument: circle with lettering inside to indicate type

example: voltmeter V

REPEATER

one way

2-wire, 2-way

2-wire, 2-way with low-frequency bypass

4-wire, 2-way

SOURCES

a-c source, oscillator

d-c source (or battery cell)

GENERAL COMPONENTS

ANTENNA

general

dipole (complete)

loop

counterpoise

ARRESTER GAP

general

carbon block

electrolytic or aluminum cell

horn

protective

sphere

valve or film

multigap

ATTENUATOR

balanced

unbalanced

BATTERY

direct-current source (general) and one cell

multicell

multicell with taps (complete)

BREAKER, CIRCUIT

air; a-c 1,500 v and less; d-c

other (use identifying lettering)

CAPACITOR

general (curve is outside or negative electrode, moving or low-potential element)

shielded

adjustable or variable

mechanically linked (complete)

adjustable or variable differential (complete)

phase-shifter (complete)

split stator (complete)

shunt

feed-through, with terminals (complete)

capacitance bushing for circuit breaker or transformer

CELL, PHOTOSENSITIVE

asymmetrical photoconductive transducer

symmetrical photoconductive transducer; selenium cell

photovoltaic transducer; barrier photocell; blocking-layer cell

Coil, Operating (identify in circle)

CONNECTIONS AND DISCONNECTIONS

mechanical connection

female disconnect contact

male disconnect contact

stationary jack or receptacle (complete)

movable plug (complete)

engaged (complete)

coaxial, outside conductor carried through (complete)

coaxial, connected to single conductor (complete)

2-conductor jack (complete)

2-conductor plug (complete)

power supply (outlet), 2-conductor, nonpolarized, male (complete)

outlet, connector, polarized, female

CONTACT, ELECTRICAL

fixed: for jack, key, relay, etc. OR OR

fixed: for switch OR

fixed: for momentary switch

sleeve OR OR

moving, adjustable: for resistor, inductor, etc. OR

moving, locking

moving, non-locking

segment; bridging OR

vibrator reed

vibrator, split reed

rotating, with brush

CONTACT ASSEMBLIES

closed (break) OR

open (make) OR

transfer OR

make-before-break

time closing (shown open) TC OR TDC

time sequential closing OR

CORE

— air — no symbol, identify if necessary by note adjacent to symbol of inductor or transformer

— magnetic

— magnet or relay

*Core, Memory OR

*Core, Square Loop

Core, Toroidal

COUNTER, Electromagnetically Operated — Message Register

general (complete)

with make contact (complete)

CRYSTAL UNIT, PIEZOELECTRIC

***DELAY LINE**

EARPHONE, TELEPHONE RECEIVER, HEARING AID

general

headset

FUSE

fuse

fusible element

HANDSET

general

with push-to-talk switch

4-conductor with push-to-talk switch (complete)

INDUCTOR WINDING

general OR

magnetic core

tapped

adjustable inductor

adjustable or continuously adjustable inductor

shunt inductor

saturable-core inductor (d-c winding on top) (complete)

***ION CHAMBER**

LAMPS

ballast lamp or tube

fluorescent (2-terminal) (complete)

a-c glow, cold cathode or neon

d-c glow, cold cathode or neon

incandescent

communication switchboard

indicating, pilot, signaling or switchboard (letters indicate color) OR OR

MAGNET, PERMANENT PM

MACHINE, ROTATING

basic; generator; motor; wound motor (for details on types and winding, see ASA Y32.2-1954)

MOT GEN

MICROPHONE

PAD

balanced, general

unbalanced

PICKUP, mechanoelectric (complete)

RECTIFIER, METALLIC

general (also for asymmetrical varistor, crystal diode, electrolytic rectifier

full-wave bridge

RELAY

(letter symbols added indicate functional features)

basic R

relay coil (device designation goes in circle) OR OR

relay with transfer contacts OR OR

polarized relay with transfer contacts (dot shows inner end of winding (complete)

RESISTOR

general; tapped; adjustable contact; variable

instrument or relay shunt

shunt

SHIELDING

electric or magnetic; if other, identify

***SOLION**

SHIFTER, PHASE

*Shifter, Phase, Differential

SIGNALLING DEVICES

bell

buzzer

horn, loudspeaker, siren, howler (letters may identify type)

visual annunciator

Sounder, Telegraph (complete)

SWITCH

general

—single throw

—double throw

—knife

pushbutton

—circuit closing (make)

—circuit opening (break)

—2-circuit

nonlocking; momentary or spring return

—circuit closing (make) OR

—circuit opening (break) OR

—2-circuit OR

—transfer OR

—make-before-break

locking (key switches, relays, jacks at left; toggle at right)

—circuit closing (make) OR

—circuit opening (break) OR

—transfer, 2-position OR

—transfer, 3-position OFF

—make-before-break

selector or multiposition

—general, break-before-make, nonshorting during contact transfer (nonbridging)

—make-before-break, bridging

—segmental contact

safety interlock

—circuit opening

—circuit closing

—hook

in evacuated envelope

*SWITCHES, LIMIT

*—machine closed

*—machine opened

*—held open

*—held closed

SYNCHRO

may have letter symbol to indicate type

transformer, receiver, transmitter (complete)

differential receiver, transmitter (complete)

TELEGRAPH KEY
(complete)

TERMINAL BOARD OR STRIP
(4 terminals shown)

THERMAL ELEMENT

actuating device

thermal cutout; flasher

thermostat
— break
— make

thermostat with integral heater and transfer contacts

THERMISTOR

general (complete)

with independent integral heater (complete)

THERMOCOUPLE
(all symbols complete)

general

with integral heater
— internally connected

— insulated

semiconductor
— temperature measuring

— current measuring

TRANSFORMER

general (use appropriate markings); in coaxial and waveguide, taper or step transformer without mode change

magnetic core

magnetic core with shield between windings connected to frame

shielded

adjustable inductance
— 1 winding adjustable

— windings separately adjustable

— mutual inductor, constant current transformer

autotransformer

1-phase induction voltage regulator

current transformer

potential transformer

VARISTOR

asymmetrical

symmetrical

VIBRATOR

shunt drive (typical)

separate drive (typical)

SEMICONDUCTOR DEVICES

BASIC SYMBOLS

base region (horizontal line) with ohmic connection (vertical) (1 or more ohmic connections may be shown above or below base region)

transistions between **P** and **N** regions (either **P** to **N** or **N** to **P**)

intrinsic (**I**) region between regions of dissimilar conductivity type

intrinsic (**I**) region between regions of similar conductivity type

P region on **N** region (rectifying junction)

P emitter (slant) on **N** region (as many as needed above or below horizontal line)

N region on **P** region (rectifying junction)

N emitter (slant) on **P** region (as many as required)

collector on region of dissimilar conductivity type (as many as required)

collector separated from a region of opposite-conductivity type by an intrinsic region

collector separated from a region of same conductivity type by an intrinsic region

SEMICONDUCTOR DEVICES

PNP transistor; arrow pointing up is **NPN**

P-type unijunction transistor (sometimes called double-base diode or filamentary transistor); arrow pointing up is **N**-type

P-type field-effects transistor; arrow pointing up is **N**-type

PNPN transistor (hook or conjugate-emitter connection); arrows reversed is **NPNP**

PNPN transistor (remote base connection); arrow pointing up is **NPNP** or controlled rectifier

PNPN transistor without base connection

PNP tetrode; arrows pointing up is **NPN** tetrode

PNIP transistor with ohmic connection to intrinsic region; arrow pointing up is **NPIN**

PNIN transistor with ohmic connection to intrinsic region; arrow pointing up is **NPIP**

PN diode (or rectifier)

breakdown **PN** diode (or Zener diode*)

bipolar voltage limiter (or symmetrical Zener diode*)

PIN triode

PIN diode

*controlled rectifier-silicon (see also **NPNP** transistor)

*controlled rectifier-germanium

*capacitor, voltage-variable

*symmetrical or bilateral element (acts as switch)

*tunnel diode (letter may be **T**)

see also: photocell, thermistor, thermocouple, varistor, rectifier-metallic

ELECTRON TUBES

PARTS

emitting electrode
— directly heated cathode
— indirectly heated cathode
— cold cathode
— photocathode
— pool cathode
— ionically heated with provision for supplementary heating

controlling electrode
— grid (including beam-confining or beam-forming electrodes)
— deflecting (in pairs); reflecting or repelling (in velocity-modulated tubes)
— ignitor (pool tubes); starter (gas tubes)
— excitor (contactor-type)

collecting electrode
— anode or plate (including collecting electrode and fluorescent target)
— target or x-ray anode

collecting and emitting electrode
— dynode

alternately collecting and emitting electrode
— composite anode-photocathode
— composite anode-cold cathode
— anode, ionically heated cathode, provision for supplementary heating

heater

envelope (shell)
— general
— split
— gas-filled

shield
— in envelope, connected to independent terminal
— outside x-ray tube envelope

resonators (cavity type)
— single cavity envelope, grid type electrodes
— double cavity envelope, grid type

electrodes
— multicavity magnetron anode and envelope

terminals and keys
— keyed base
— bayonets, bosses and other reference points in base
— base terminals (small and large pins)
— envelope terminals (rigid at top; flexible at bottom)

TUBE, ELECTRON (partial list)

triode
pentode, equipotential cathode
twin triode, equipotential cathode
rectifier; d-c voltage regulator (d-c glow lamp is same)
phototube
photomultiplier
cathode-ray, electric field deflection electrostatic
cathode ray, magnetic deflection
vapor rectifier, single-anode, pool type with ignitor
magnetron, tunable, aperture coupled
reflex klystron, integral cavity, aperture coupled
x-ray, grounded electrostatic shield
*radiation counter, gas-filled

TRANSMISSION, CONDUCTORS, FLOW

TRANSMISSION PATH

guided path, general; conductor, wire
air or space
dielectric, except air (DIEL)
crossing, no connection
junction of different-sized cables
junction of paths
associated conductors (twisted pair shown) (complete) (OR)
shielded 5-conductor cable, separated for convenience on complete symbol
alternate or conditional wiring (explain on complete symbol)
associated or future

FLOW OF POWER, Signal or Information

one-way (OR)
both ways (OR)

MOTION, MECHANICAL

translation
— 1 direction
— both directions
rotation
— 1 direction
— both directions

CHASSIS FRAME

(not necessarily at ground potential)

GROUND

*GROUND, SEGREGATED

MICROWAVE SYMBOLS

COAXIAL CABLE

(used with recognition symbols at path ends and intermediate points)

*ATTENUATOR, UNIDIRECTIONAL

(shown: attenuation in main direction, 1 db; opposite direction, 55 db)
55DB
1DB

*CIRCULATOR

(arrow as shown indicates power flow to next arm, but not to others)

COUPLER, DIRECTIONAL

general; arrows indicate direction of power flow, number of coupling paths, type of coupling and transmission loss may be shown
aperture coupling, 30-db loss (30DB)
loop coupling
probe coupling
resistance coupling (30DB)

when showing aperture coupling, **E** in circle indicates that physical plane of aperture is perpendicular to the transverse component of the major **E** lines; **H**, aperture plane parallel to transverse component of major **E** lines; **HE**, coupling by all other apertures

COUPLING

by loop to space
by loop to guided transmission path
by probe to space
by loop from coaxial to circular waveguide with d-c grounds connected
by probe from coaxial to rectangular waveguide with d-c grounds connected

DISCONTINUITY (or impedance)

equivalent series element, general (Z)
capacitive reactance
inductive reactance
inductance-capacitance circuit with infinite reactance at resonance
inductance-capacitance circuit with zero reactance at resonance
resistance
equivalent shunt element, general (Y)
capacitive susceptance
conductance

inductive susceptance

inductance-capacitance circuit with infinite susceptance at resonance

inductance-capacitance circuit with zero susceptance at resonance

***FIELD POLARIZATION**

* — rotator

* — amplitude modulator

***FLANGES**

* — plain

* — choke

HYBRID

general

junction

rectangular waveguide and coaxial coupling

circular: **E** or **H** in circle indicates principal transverse field in plane of the ring; **HE** is used in all other cases; critical distances are labeled in terms of guide wavelengths

***ISOLATION, D-C,** of Waveguide Path (intentional)

RESONATOR

general

tunable, with adjustable **Q** coupled by probe to coaxial system

SUPPRESSION, MODE

TERMINATIONS

cable (cable is line at left)

open circuit (not a fault)

short circuit (not a fault)

coaxial cable and waveguide
— movable short

— series capacitor, path open

— series inductor, path shorted

— terminating resistor

— series resistor, path open

TRANSDUCER, MODE

general

from rectangular to circular waveguide

WAVEGUIDE (mode may be shown)

circular

rectangular

LOGIC SYMBOLS

AND
(C = f(A,B))
sign in formula C = A•B

Venn diagram

truth table

symbols (typical) of gate

interlock equivalent

OR

sign in equation C = A∨B

Venn diagram

truth table

symbols (typical) of gate

interlock equivalent

NOT (simple)

sign in equation C = Ā

Venn diagram

truth table

symbols (typical) of element; I is inverter; arrows may be omitted

interlock equivalent

AND NOT

typical symbol

interlock equivalent

OR NOT

typical symbol

interlock equivalent

C = 0

Venn diagram

truth table

symbol (typical)

C = 1

Venn diagram

truth table

symbol (typical)

TIME DELAY (typical symbols)

instant energizing, delayed deenergizing

delayed energizing, instant deenergizing

delay, general (indicate time)

MEMORY

single line

typical complete symbols (lettering may be omitted)

ON dominates

Transistor Gate

REFERENCES: D. W. Johnson, Automatic Control with Static Switching Devices, ELECTRONICS, p. 98, April 24, 1959; "Symbolic Logic, Boolean Algebra and the Design of Digital Systems," Computer Control Co., Inc.

Some Common Abbreviations for Electronics Illustrations

(not all standard)

A . . . . . Ammeter
ADJ . . . . . Adjust
AMPL . . . . . Amplifier
AR . . . . . Amplifier
AT . . . . . Attenuator
AUTO . . . . . Automatic
AUX . . . . . Auxiliary
BAL . . . . . Balanced
B P . . . . . Band Pass
CATH
FOLL . . . . Cathode Follower
CONV . . . . . Converter
CPS . . . . Cycles Per Second
CRO . . . . . Cathode Ray Oscilloscope
CRT . . . . Cathode Ray Tube
D B . . . . . Decibel Meter
DEFL . . . . . Deflection
DET . . . . . Detector
DIFF . . . . . Difference
DISC . . . . . Discriminator
EQ . . . . . Equalizer
F . . . . . Frequency Meter
FILT . . . . . Filter
FL . . . . . Filter
FREQ . . . . . Frequency
FUND . . . . . Fundamental
G . . . . . Galvanometer
GEN . . . . . Generator
GND . . . . . Ground
HARM . . . . . Harmonic
HOR . . . . . Horizontal
H P . . . . . High Pass
IN . . . . . Input
L P . . . . . Low Pass
MAN . . . . . Manual
MIC . . . . . Microphone
MOD . . . . . Modulator
MV . . . . . Multivibrator
NET . . . . . Network
OHM . . . . . Ohmmeter
OSC . . . . . Oscillator
OUT . . . . . Output
PH . . . . . Phasemeter
PREAMP . . . . . Preamplifier
P S . . . . . Power Supply
REC . . . . . Receiver
REG . . . . . Regulat (or) (ed)
R U . . . . . Reproducing Unit
SEL . . . . . Selector
SIG . . . . . Signal
SYNC . Synchroniz (er) (ing)
TAB . . . . . Table
TEMP . . . . . Temperature
TPR . . . . . Teleprinter
VERT . . . . . Vertical
VIB . . . . . Vibrator
VTVM . . . . . Vacuum Tube Voltmeter
W . . . . . Wattmeter

Industry Organizations, Services and Standards

Over the years, professional and industrial organizations have collected and codified a wealth of useful information and have published standards, recommendations or other guides. Many of these guides deal directly or indirectly with electronic materials, production methods, components, equipment or systems.

Often, the product manufacturer must follow the standard or recommendations to gain commercial success for a product. Frequently, industrial or professional standards and recommendations also guide governmental purchasing decisions. Just as important is the fact that use of standards and recommendations may avoid unnecessary expense in engineering, production and market development.

On the following pages are listed organizations which serve the electronics and allied industries and the groups which foster standardization in the Americas and overseas. Another listing gives a selection of standards, recommendations, guides or reports pertaining to electronic materials or devices.

ORGANIZATIONS Serving Electronics and Allied Fields in the U.S., CANADA and GREAT BRITAIN

Bold-faced initials following the organization name indicate that it issues standards, specifications or similar guides or requirements

Acoustical Society of America,
335 E. 45th St., New York 17, N.Y.
(standards issued through **ASA**)

Aeronautical Radio, Inc., ARINC, and Airlines Electronic Engineering Committee,
1700 K St., N.W., Washington 6, D.C.

Aerospace Institute of America, AIA,
610 Shoreham Bldg., Washington 5, D.C.

Aircraft Electrical Society,
3540 Wilshire Blvd., Los Angeles 5, Calif.

American Association for the Advancement of Science,
1515 Massachusetts Ave., N.W., Washington 5, D.C.

American Institute of Electrical Engineers, AIEE, 33 W. 39th St., New York 18, N.Y.

American Nuclear Society, John Crerar Library,
86 E. Randolph St., Chicago 1, Ill.

American Rocket Society,
500 Fifth Avenue, New York, N.Y.

American Institute of Physics,
335 E. 45th St., New York 17, N.Y.

American Radio Relay League,
38 LaSalle Road, W. Hartford, Conn.

American Society for Engineering Education,
University of Illinois, Urbana, Ill.

American Society for Testing Materials, ASTM,
1916 Race St., Philadelphia 3, Pa.

American Standards Association, ASA,
10 E. 40th St., New York 16, N.Y.

American Vacuum Society, AVS,
Box 1282, Boston 9, Mass.

Armed Forces Communications and Electronics Association,
1624 Eye St., N.W., Washington 6, D.C.

Association of American Battery Manufacturers, AABM,
19 N. Harrison St., East Orange, N.J.

Association of Electronic Parts and Equipment Manufacturers,
11 S. LaSalle St., Chicago 3, Ill.

Association of Federal Communications Consulting Engineers,
1405 G St., N.W., Washington 5, D.C.

Association of Missile and Rocket Industries,
1226 National Press Bldg., Washington 4, D.C.

Audio Engineering Society, AES,
P.O. Box 12, Old Chelsea Station, New York 11, N.Y.

British Institution of Radio Engineers, BIRE,
9 Bedford Square, London, W.C. 1, England

British Standards Institution, BSI,
British Standards House,
2 Park St., London, W.1, England
(standards are available through **ASA**)

Canadian Association of Broadcasters,
108 Sparks St., Ottawa 4, Canada

Canadian Radio Technical Planning Board,
200 St. Clair Ave. W., Toronto 7, Ontario, Canada

Canadian Standards Association, CS,
235 Montreal Road, Ottawa 2, Canada

Electrochemical Society,
1860 Broadway, New York 23, N.Y.

Electronic Industries Association, EIA,
1721 De Sales St., N.W., Washington 6, D.C.
standards issued from EIA Engineering Office,
11 W. 42nd St., New York 36, N.Y.

Electronic Industries Association of Canada,
200 St. Clair Ave. W., Toronto 7, Ontario, Canada

Electronics Manufacturers Association,
55 W. 42nd St., New York 36, N.Y.

Electronics Parts Manufacturers Association,
430 Wyatt Building, Washington 5, D.C.

Electronic Representatives Association,
600 S. Michigan Ave., Chicago 5, Ill.

Ferrite Manufacturers Association, Metal Powder Industries Federation, MPI,
60 E. 42nd St., New York 17, N.Y.

FM Broadcasters,
8800 Brookville Road, Silver Spring, Md.

Hearing Aid Industry Conference,
21 N. 3rd St., Minneapolis 1, Minn.

Institute of High Fidelity Manufacturers, IHFM,
125 E. 23rd St., New York 10, N.Y.

Institute of Printed Circuits,
27 E. Monroe St., Chicago 3, Ill.

Institute of Radio Engineers, IRE, and IRE National Convention,
1 E. 79th St., New York 21, N.Y.

Instrument Society of America, ISA, and ISA Convention,
313 Sixth Ave., Pittsburgh 22, Pa.

Joint Council on Educational Television,
1785 Massachusetts Ave., N.W., Washington 6, D.C.

Joint Electron Device Engineering Council, EIA and NEMA, c/o EIA Engineering Dept.
(component registrations and standardization)

Joint Technical Advisory Committee, IRE and EIA,
c/o IRE: (advisory committee)

Magnetic Recording Industry Association,
1555 N. Bronson Ave., Los Angeles 28, Calif.

National Aeronautic Association,
1025 Connecticut Ave., Washington 6, D.C.

National Alliance of Television and Electronic Service Associations,
5908 S. Troy St., Chicago 29, Ill.

National Appliance and Radio-TV Dealers Association,
1141 Merchandise Mart, Chicago 54, Ill.

National Association of Broadcasters, NAB,
1771 N St., N.W., Washington 6, D.C.

National Association of Manufacturers,
2 E. 48th St., New York 17, N.Y.

National Association of Relay Manufacturers, NARM, c/o Struthers-Dunn, Pitman, N.J.

National Community Television Association,
612 Perpetual Bldg., 1111 E St., N.W., Washington 4, D.C.

National Electrical Manufacturers Association, NEMA,
155 E. 44th St., New York 17, N.Y.

National Electronic Distributors Association,
343 S. Dearborn St., Chicago 4, Ill.

National Electronics Conference (annual conference),
184 E. Randolph St., Chicago 1, Ill.

National Society of Professional Engineers,
2029 K St., N.W., Washington 6, D.C.

Radio Club of America,
11 W. 42nd St., New York 36, N.Y.

Radio Components Standardization Committee, Ministry of Aviation,
Castlewood House, Oxford St.,
London, W.C. 1, England
(specifications on electronic equipment used by the British government departments)

Radio Technical Commission for Aeronautics, RTCA, Room 1072, Bldg. T-5, 16th and Constitution Ave., N.W., Washington 25, D.C.

Scientific Apparatus Makers Association, SAMA,
20 N. Wacker Dr., Chicago 6, Ill.

Society of Motion Picture and Television Engineers, SMPTE, 55 W. 42nd St., New York 36, N.Y.

Society for Nondestructive Testing, SNT,
1109 Ninman Ave., Evanston, Ill.

Society of Plastics Engineers,
65 Prospect St., Stamford, Conn.

Society of the Plastic Industry, SPI,
250 Park Ave., New York 17, N.Y.

Standards Engineers Society,
1025 Connecticut Ave., N.W., Washington 6, D.C.

Western Electronics Manufacturers Association and WESCON annual conference,
1435 S. LaCienega Blvd., Los Angeles 35, Calif.

Western Association of Circuit Manufacturers,
1710 W. Washington Blvd., Los Angeles 7, Calif.

U.S. Department of Commerce, National Bureau of Standards laboratories:
Connecticut Ave. and Van Ness St., N.W., Washington 25, D.C.

Electronic Calibration Center, Boulder, Colo.

INTERNATIONAL AND FOREIGN STANDARDS ORGANIZATIONS AND AGENCIES

INTERNATIONAL:

International Electrotechnical Commission, **IEC**, 1 Rue de Varembe, Geneva, Switzerland—a technical division of International Organization for Standardization, **ISO** (standards of both are available through ASA). ISO has 40 member nations.

International Telecommunications Union, Palais Wilson, Geneva, Switzerland

Pan American Standards Committee (U. S. is represented by ASA)

FOREIGN
(for Great Britain and Canada, see preceding table):

Argentina: Instituto Argentino de Racionalizacion de Materiales, Chile 1192, Buenos Aires

Australia: Standards Association of Australia, Science House, Gloucester and Essex Streets, Sydney

Austria: Oesterreichischer Normenausschuss, Bauernmarkt 13, 5 Stock, Vienna 1

Belgium: Institut Belge de Normalisation, Avenue de la Brabancone, 29, Brussels 4

Brazil: Associacao Brasileira de Normas Tecnicas, Caixa Postal 1680, Rio de Janeiro

Chile: Instituto Nacional de Investigaciones Technologicas y Normalizacion, Alameda Bernardo O'Higgins 1315 Piso 2º, Santiago

China: National Bureau of Standards, No. 1 First Street Chen Kung Road 4, Tainan Taiwan

Colombia: Inconor-Instituto Colombiana de Normas, Carrera 7 No. 18-95 Apartado Nacional N340, Bogota

Cuba: Board of Standards, Monte y Factoria, Habana

Czechoslovakia: Urad pro Vynalezy A Normalisaci, Vaclavske nam Esti C 19, Prague 3, Nove Mesto

Denmark: Dansk Standardiseringsraad, Vesterbrogade 1, Copenhagen V, Denmark

Egypt: Egyptian Organization for Standardization, 56 Guiza Street, Guiza

Finland: Suomen Standardisoimisliitto r. y. Kasarmikatu 44, A, 130, Helsinki

France: Association Française de Normalisation, 23 Rue Notre Dame des Victoires Paris 2e

Germany: Deutscher Normenausschuss, Uhlandstrasse 175, Berlin W 15

Deutscher Normenausschuss, Friesenplatz 16 (22c) Kohn 1

Greece: Comite Hellenique de Normalisation aupres de la Chambre Technique de Grece, Rue Kolokotroni 4, Athens

Iceland: Institution of Icelandic Industries, Technical College Building, P. O. Box 675, Reykjavik

India: Indian Standards Institution, "Manak Bhavan," 9, Mathura Road, New Delhi 1

Indonesia: Kepala Kantor Normalisasi, 38 Djalan Braga, Bandung

Ireland: Institute for Industrial Research and Standards, Glasnevin House, Ballymun Road, Dublin

Israel: Standards Institution of Israel, 200 Dizengoff Road, Tel Aviv

Italy: Ente Italiano di Unificazione, Piazza Armando Diaz 2, Milan

Japan: Japanese Industrial Standards Committee, Agency of Industrial Science and Technology, 7-5 Ginza-Higashi Chuo-Ku 4, Tokyo

Mexico: Secretaria de Economia, Filomeno Mata 10, Mexico, D. F.

Netherlands: Hoofdcommissie Voor de Normalisatie in Nederland, Duinweg 20/22, P. O. Box 70, 's-Gravenhage

New Zealand: New Zealand Standards Inst, P. O. Box 195, Wellington C. I

Norway: Norges Standardiserings-Forbund, Kongensgt 15, Oslo 5

Pakistan: Pakistan Standards Institute, Department of Supply and Development, Mohammadi House, McLeod Road, Karachi

Poland: Polski Komitet Normalizacyjny, Ul Swietokrzyska 14, Warsaw 51

Portugal: Reparticao de Normalizacao, Avenida de Berne 1, Lisbon

Spain: Instituto Nacional de Racionalizacion Del Trabajo, Alcalá 95, Madrid

Sweden: Sveriges Standardiseringskommission, Box 3 295, Stockholm 3

Switzerland: Association Suisse de Normalisation (SNV), General Wille-Strasse 4, Zurich 2

Turkey: Turk Standartlari Enstitusu, Istas Apt, No. 11 Gazi Mustafa Kemal Bulvari, 6/1, Yenisehir, Ankara

Union of South Africa: South African Bureau of Standards, Private Bag 191, Pretoria

Uruguay: Instituto Uruguayo de Normas Tecnicas, Agraciada 1464, Piso 9, Montevideo

USSR: Komitet Standartow Mer i Izmeritel'nyh, Priborov Pri Sovete Ministrov USSR, Bolchaia Kaloujskaia No. 9B Moska V49

Yugoslavia: Savezna Komisija za Standardizaciju, Admirala Geprata ul. br. 16, Post Fah 933 Belgrade

(**NOTE:** a library of foreign standards is maintained by ASA. ASA standards are available from the British and Canadian standards agencies and above agencies)

Selected Electronics and Electrical STANDARDS, SPECIFICATIONS OR RECOMMENDATIONS

AIRCRAFT ELECTRONICS

Consult RTCA for minimum performance standards for aircraft communication, intercommunication and navigation equipment
Consult ARINC for characteristics of commercial aircraft equipment, connector and wiring coordination and designers' guides

ANTENNAS

ARINC 405: ADF, aircraft
EIA TR-117: FM broadcast
EIA RS-195: mechanical characteristics
EIA RS-222: structural characteristics
EIA REC-141, VHF receiving

AUDIO EQUIPMENT

EIA SE-101-A, 104: audio amplifiers
IHFM high fidelity amplifiers
EIA RS-160: home audio equipment, power output ratings
EIA RS-160: audio system performance
EIA SE-103: high quality speakers
EIA REC-148: loudspeaker dimensions

BATTERIES

ASA C18.1-1954: dry, radio (NBS C559)
BSI 1766:1951: dry, radio
IEC 86: primary
EIA RS-156: battery socket patterns

CABLES and TRANSMISSION LINES

IEC 78: coaxial cables
IEC 96: general requirements, r-f cable
IEC 78: char. impedance, diameters, r-f cable
EIA RS-225: coaxial, rigid, 50-ohm transmission lines
EIA TR-117: FM broadcast station antenna transmission lines
EIA TR-103-A: FM broadcast transmitter transmission lines
EIA RS-158: microwave relay transmission lines
EIA RS-199 (ASA C83.21-1958): solid dielectric transmission lines
BSI 3040:1958: tv and UHF antenna cables
EIA RS-166 miniature waveguide flanges
EIA TR-108-A: rectangular waveguide
EIA RS-200: circular waveguide

CAPACITORS, FIXED, CERAMIC

EIA RS-198 (ASA C83.4-1958): to 500 v
EIA RS-165-A: 1,000-7,500 v
EIA RS-171: high voltage
EIA SMC-1: military
ASA 108 (IEC): type 1

CAPACITORS, FIXED, DRY ELECTROLYTE

EIA RS-154-A: general use
EIA RS-205: special quality

CAPACITORS, FIXED, MICA

EIA RS-153: molded
EIA TR-109: potted

CAPACITORS, MOTOR-STARTING

NEMA: consult for these and other industrial types

CAPACITORS, FIXED, PAPER

IEC 80: d-c
EIA RS-164: nonmetallic, tubular case
EIA RS-218: metal case, d-c

CAPACITORS, FIXED, TA and AL ELECTROLYTIC

EIA RS-228: tantalum
IEC 103: aluminum
BSI 2134:1959: aluminum

CAPACITORS, VARIABLE, AIR

EIA RS-182: class A
EIA REC-101: class B

CERAMICS

ASTM: consult for test methods

CODES, IDENTIFYING

BSI 2311:1955: color, connections
EIA GEN-101-A (ASA C83.1-1956): color, numerical values
EIA REC-108-A: color, radio and tv receivers
IEC 62: color, resistors
BSI 1852:1952: color, resistors
EIA RS-230: color, wire, thermoplastic
NEMA CB1-1956 (ASA C6.1-1956): terminal markings

COMMUNICATIONS EQUIPMENT

EIA RS-152-A: FM and PM transmitters, land mobile
EIA TR-120: selective signaling, land mobile
EIA RS-204: receivers, land mobile
BSI CP.327.101, 102: wireline
AIEE C37.2: telemetering, automatic station control

COMPONENTS, GENERAL

EIA GEN-104 (ASA C83.2-1949): preferred values
53 IRE 7.S1 (ASA C60.13-1954): methods of measuring noise

COMPUTERS and DATA PROCESSING

ASA (in progress)

CONNECTORS

EIA TR-118 (ASA C83.12-1956): broadcast audio cable
BSI 666:1936
NEMA SG 1-1958: electric power (includes conductor current ratings)

COPPER

IEC 28: resistance of copper
ASTM: consult on test methods

CORES

MPI 29-59: memory, ferrite
EIA RS-217: wound, cut
AIEE 430 (proposed): tape wound toroids

CRYSTALS

EIA RS-192: quartz crystal units
EIA TR-128: quartz
ARINC 401: aircraft crystal units
57 IRE 14.S1: piezoelectric vibrator, measurements
58 IRE 14.S1: piezoelectric, electromechanical coupling factor

DIODES and RECTIFIERS, SEMICONDUCTOR

EIA RS-231—NEMA SK 500-1959: reverse recovery time measurement

ENVIRONMENTAL REQUIREMENTS

IEC 68
BS 2011:1954
RTCA 100-54/DO-60: test procedures, aircraft equipment

FIBRE, VULCANIZED

NEMA VU 1-1954: standards
NEMA VU 2-1949: fabrication methods
ASTM D710-54T: specifications, sheets, rods and tubes

FUSES

NEMA FU-1-1959: cartridge, low-voltage
NEMA SG 2-1954: high-voltage (includes current-limiting resistors)

INDUCTORS

EIA RS-175: audio
EIA RS-197: filter, power

INSTRUMENTS and INDICATORS

NEMA EI-1-1955: panel, switchboard and portable
BSI 89:1954: general standard
AIEE C39.2 (ASA C39.2-1953): direct acting recorders
AIEE 450 (proposed): voltmeters
AIEE 451 (proposed): signal sources
AIEE 452 (proposed): cathode ray instruments
BIRE: methods of expressing characteristics, published on the following dates in the *BIRE Journal:* Jan., 1958, signal generators; Jan., 1959, oscilloscopes; March, 1960, low-frequency generators and vacuum tube voltmeters

INSULATION MATERIALS and DIELECTRICS, GENERAL

ASTM: consult for specifications, test methods and recommended practices for specific materials; see 1958 Book of Standards, Part 9, plus 1959 Supplement
IEC 93: test methods, volume and surface resistivities
AIEE 1D, 1E, 4, 51: test methods

LAMINATES, THERMOSETTING

NEMA LP 1-1959: standard grades and applications of sheets, rods and tubes
NEMA 45-107 (ASA C59.17-1949): fabricating practices
NEMA LP-3-1959: report on high temperature properties
LP 2-1957: decorative sheets
BS 2076:1954: r-f

METALS and MAGNETIC MATERIALS

ASTM: 1958 Book of Standards, Part 2, plus 1959 Supplement
MPI: consult on powdered metal, sinterings and ferrites
BS 933:1941: magnetic materials

MICA

NEMA ME 1-1956: splittings, sheets, tapes and tubes
ASTM D 748-54T (ASA C59.26-1958): capacitor block and film, natural
ASTM D 351-57T (ASA C59.27-1957): visual quality, muscovite
ASTM D 1039-58: tests, glass-bonded mica
ASTM D 1677-59: tests, untreated mica paper

MICROPHONES

EIA RS-221: broadcast
EIA SE-105: sound equipment

MOTORS and GENERATORS

NEMA MG 1-1959
AIEE C50.6: m-g sets
EIA RS-173: emergency microwave generators

NOMENCLATURE and TERMS

IEC 50
58 IRE 20.S1: index to definitions of terms, 1942-1957
58 IRE 3.S1: audio techniques
58 IRE 11.S1: information theory
59 IRE 8.S1: static magnetic storage
AIEE C42.65: communications
AIEE C42.75: electron devices
AIEE 42.80: electrobiology and electrotherapeutics
AIEE C42.30 (ASA C42.30-1957): instruments
BSI: consult for British terms

PAPER, VARNISHED PAPER

NEMA: VF series covers varnished paper and fabrics

PHOTOGRAPH and PHOTOGRAPHIC MATERIALS

SMPTE: standards on cinematography available through ASA
SMPTE: sound track and test films
ASA: standards on film and processing materials, test films
EIA RS-226: tv picture area

PRINTED WIRING
IEC 97
BSI 3081:1959
EIA RS-208: definition and register
EIA RS-161: ceramic base

RACKS
EIA SE-102: panel mounting

RECEIVERS
IEC 69: AM, measurement
EIA REC-109-C: entertainment, IF
IRE: consult for test methods, AM, FM and tv

RECORDERS
IEC 94: magnetic tape
EIA REC-133: magnetic, home
EIA RS-224: tape, home, and tapes
EIA REC-105: disk, home
EIA RS-223: wire, home
BS 90: 1954: graphic
IRE: consult for test methods
see also: Instruments

RECORDINGS
IEC 98: disk, commercial and transcription
EIA REC-146: disk
EIA RS-211-A: phonograph disk
NAB: recording and reproducing, tape and disk

RECTIFIERS, METALLIC
BS 2031:1953
EIA REC-127: dry type, stack
NEMA: consult on industrial units
see also: Diodes

RESISTORS, FIXED
EIA RS-172: composition
EIA RS-196: film
IEC 109: fixed, non-wire-wound, type 2
EIA REC-117 (ASA C83.6-1955): wire-wound, low power
EIA RS-155 (ASA C83.18-1958): wire-wound, power
EIA RS-229: wire-wound, precision

RESISTORS, VARIABLE
EIA REC-121-B (ASA C83.7-1955): composition
EIA TR-133: wire-wound, power

SAFETY REQUIREMENTS and PRACTICES
ASA C2: National Electric Safety Code (NBS H30)
ASA C33.3-1957 (UL 817): cord sets and power supply cords

SOCKETS
EIA RS-185-1: printed circuit
EIA RS-167: home receiver tube
EIA TR-111-A: receiver tube, not home
EIA-RS-168-1: tube and transistor

SYMBOLS, LETTER
ASA Y10.9-1953: radio
57 IRE 21.S1: letter symbols and math. signs
55 IRE 26.S1: feedback control systems
53 IRE 28.S1: semiconductor devices
IEC 27: electrical quantities
ASA Z10.5: electrical quantities
AIEE 17g5: mathematical
AIEE 426 (proposed): semiconductor devices
ASA Z10.6: physics

SYMBOLS, GRAPHICAL
ASA Y32.2-1954: for electrical diagrams (with AIEE, ASME)
54 IRE 2.S1: for electrical diagrams
57 IRE 21.S3: semiconductor devices
55 IRE 26.S1: feedback control systems

SWITCHES
NEMA 1C 3-1959: precision, snap-acting
EIA REC-122: HF circuit selector

TRANSFORMERS
EIA RS-174: audio
EIA REC-114: IF, 455 Kc
AIEE C57.13 (ASA C57.13): instrument
NEMA EI 2-1959: instrument
EIA RS-180: power
BSI 2214:1955: power, radio
EIA REC-120-A: power, radio receiver
EIA RS-177: power, for vibrators
EIA RS-176: pulse, radar
ASA C89.1-1957: specialty
NEMA ST 1-1955: specialty, including industrial control

TRANSMITTERS, BROADCAST
EIA TR-101-A: AM
EIA TR-107: FM
EIA TR-104B: tv

TUBES, ELECTRON
IEC 67: dimensions
EIA ET-108-A: type designations
EIA RS-212; NEMA 509A: electrode numbering
EIA RS-209-1: dimensions, bases, caps, terminals
EIA RS-190: pin straighteners
BS CP 1005:1954
EIA ET-110-A: receiving tube designations

WIRE and ELECTRICAL CABLE
IEC 78, 96: radio frequency
NEMA WC series (ASA C8 series): insulated wire and cable
EIA GEN-103: hookup, class 1
EIA RS-169: chassis hookup
EIA RS-214: current rating calculation, hookup
EIA SMC-2: military, high-temperature insulated
NEMA MW series (ASA C9 series): magnet wire

NOTE:
in addition to standards and recommendations listed, similar publications relating to test methods for electronic equipment and components are available, chiefly from IRE, EIA, AIEE and ASTM.

MILITARY NOMENCLATURE AND SPECIFICATIONS

Here is a rapid-reading guide to the code numbers assigned military communications and electronics equipment, and lists of the military standards, general specifications, component and material specifications which affect military contracting

Types of Military Documents

Military standards (MIL-STD-) are jointly prepared by the Army, Navy and Air Force in conjunction with the Standardization Division of the Department of Defense. They are numbered in chronological order and are available from military contracting officers and the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., at nominal cost.

Military specifications (JAN-X- or MIL-X-) are jointly developed by the Army, Navy and Air Force under cognizance of the Department of Defense. Suffix letters indicate revisions. A diagonal bar, or slash, after the numerals (not given in the listing, since they may change more frequently than the main specification number) indicates that detailed sheets on specific types of components are issued. In the indexes which are issued periodically, some titles are followed by the letter Q, which indicates that a Qualified Products List (QPL) has been issued for the specification. In many cases, Application Design Notes (ADN) Military Sheet Form Standards (MS-), or both, are related to the specifications. MS sheets are specification control drawings for standard parts.

Federal specifications (XX-Y-) govern federal government agency purchasing. The first letter(s) identifies the product class and the remainder is the alphabetical and numerical indicator of the specific product. A number of military standards are also used in federal purchasing and vice-versa. Federal Standards (Fed. Std. No.—) and Interim Federal Standards (Int. Fed. Std. No.—) are also issued, generally covering subclasses of products and test methods.

Indexes to specifications are available from the Superintendent of Documents. Subscription prices are: $1.50 a year, Federal (published annually with cumulative supplements); $4, Navy; $4, Army; $5, Air Force. The military indexes are issued semi-annually with monthly cumulative supplements.

MILITARY Communications-Electronics Equipment Nomenclature

AN nomenclature for complete sets of electronic equipment, equipment groups or major components are assigned according to the following system: AN/ before the three indicator letters (which describe installation type of equipment and purpose), then the type number. Independent major units not used with a specific set are assigned a component indicator, followed by the type number and (after the slash) the indicator letter or letters describing its use. The original nomenclature assigned equipment, however, remains unchanged despite later changes in installation and application

Set or Equipment Indicator Letters

(1) INSTALLATION

A — airborne (in aircraft)
B — underwater mobile, submarine
C — air transportable (inactivated, do not use)
D — pilotless carrier
F — fixed
G — ground, general use
K — amphibious
M — ground, mobile (vehicle carries only this equipment
P — pack or portable
S — water surface craft
T — ground, transportable
U — general utility (two or three installations: airborne, shipboard and ground)
V — ground, vehicular (vehicle has other functions besides

carrying this equipment)

(2) TYPE OF EQUIPMENT

A – invisible light, heat radiation
B – pigeon
C – carrier (wire)
D – radiac
F – photographic
G – telegraph or teletype
I – interphone and public address
K – telemetering
L – countermeasures (inactivated, do not use)
M – meteorological
N – sound in air
P – radar
Q – sonar and underwater sound
R – radio
S – special types or combinations of types
T – telephone (wire)
V – visual and visible light
X – facsimile or television

(3) PURPOSE

A – auxiliary assemblies (not complete operating sets
B – bombing
C – communications (receiving and transmitting)
D – direction finder
G – gun or searchlight directing
H – recording (photographic, meterological and sound)
L – searchlight control (inactivated, use G)
M – maintenance and test assemblies (incl. tools)
N – navigational aids
P – reproducing (photographic and sound)
Q – special, or combination of types
R – receiving
S – detecting and/or range and bearing
T – transmitting
W – remote control
X – identification and recognition

TABLE OF COMPONENT INDICATORS

AB Supports, Antenna
AM Amplifiers
AS Antenna Assemblies
AT Antennae
BA Battery, primary type
BB Battery, secondary type
BZ Signal Devices, Antenna
C Control Articles
CA Commutator Assemblies, Sonar
CB Capacitor Bank
CG Cables and Transmission Line, R. F.
CK Crystal Kits
CM Comparators
CN Compensators
CP Computers
CR Crystals
CU Coupling Devices
CV Converters (electronic)
CW Covers
CX Cords
CY Cases
DA Antenna, Dummy
DT Detecting Leads
DY Dynamotors
E Hoist Assembly
F Filters
FN Furniture
FR Frequency Measuring Devices
G Generators
GO Goniometers
GP Ground Rods
H Head, Hand, and Chest Sets
HC Crystal Holder
HD Air Conditioning Apparatus
ID Indicating Devices
IL Insulators
IM Intensity Measuring Devices
IP Indicators, Cathode Ray Tube
J Junction Devices
KY Keying Devices
LC Tools, Line Construction
LS Loudspeakers
M Microphones
MD Modulators
ME Meters, Portable
MK Maintenance Kits or Equipments
ML Meteorological Devices
MT Mountings
MX Miscellaneous
O Oscillators
OA Operating Assemblies
OC Oceanographic Devices
OS Oscilloscope, Test
PD Prime Drivers
PF Fittings, Pole
PG Pigeon Articles
PH Photographic Articles
PP Power Supplies
PT Plotting Equipments
PU Power Equipments
R Receivers
RD Recorders and Reproducers
RE Relay Assemblies
RF Radio Frequency Component
RG Cables and Transmission Line, Bulk R. F.
RL Reel Assemblies
RP Rope and Twine
RR Reflectors
RT Receiver and Transmitter
S Shelters
SA Switching Devices
SB Switchboards
SG Generators, Signal
SM Simulators
SN Synchronizers
ST Straps
T Transmitters
TA Telephone Apparatus
TD Timing Devices
TF Transformers
TG Positioning Devices
TH Telegraph Apparatus
TK Tool Kits or Equipments
TL Tools
TN Tuning Units
TS Test Equipment
TT Teletypewriter and Facsimile Apparatus
TV Tester, Tube
U Connectors, Audio and Power
UG Connectors, R. F.
V Vehicles
VS Signaling Equipment, Visual
WD Cables, Two Conductor
WF Cables, Four Conductor
WM Cables, Multiple Conductor
WS Cables, Single Conductor
WT Cables, Three Conductor
ZM Impedance Measuring Devices

Some Military Standards Affecting Electronic Equipment

MIL-STD-15A: electrical and electronic symbols
MIL-STD-16B: electrical and electronic reference designations
MIL-STD-103: abbreviations for electrical and electronic use
MIL-STD-108D: definitions of and basic requirements for enclosures for electric and electronic equipment
MIL-STD-122: color code for chassis wiring
MIL-STD-188: military communications system technical standards
MIL-STD-196: joint electronics type designation system
MIL-STD-200D: electron tubes and semiconductor devices, diode
MIL-STD-202A: test methods for electronic and electric component parts
MIL-STD-221A: color code for resistors
MIL-STD-243: types and definitions of models for communications equipment
MIL-STD-283: letter symbols for electrical and electronic quantities
MIL-STD-285: attentuation measurements for enclosures, electromagnetic shielding, for

electronic test purposes
MIL-STD-442: telemetry standards for guided missiles and aircraft

Selected General Specifications for Electronic Equipment

MIL-E-5400A: aircraft electronic equipment
MIL-E-5272A: environmental testing, aeronautical and associated equipment
MIL-I-6181B: interference limits, tests and design requirements, aircraft
JAN-I-225: interference measurement, 150 Kc to 20 Mc
MIL-I-11748B: interference reduction
JAN-P-658: packaging and packing of electronic, electrical and electromechanical equipment and spare parts
MIL-R-15668A: A radio communications transmitting equipment, low-frequency, medium and high power
MIL-S-4473C: shielding of magnetron tubes, magnets and components containing magnets, for air shipment
JAN-S-44: shock testing mechanism for electrical indicating instruments
MIL-S-901B: test for shipboard application class HI (high impact) shockproof equipment
MIL-T-945A: test equipment for use with electronic equipment
MIL-T-5422C: aircraft electronic equipment environmental testing
MIL-T-17113: electronic equipment shock, vibration and inclination tests
MIL-T-20060: test equipment, shock and vibration, for navigational equipment, and test methods
MIL-T-152A: treatment, moisture and fungus-resistance, for communications, electronic and associated equipment

Military Specifications

Starred specifications (*) may have "slash" sheets which should be consulted for details on specific types, or supplements, or both

Absorbers, R-F Radiation
MIL-A-11052: metallized plates
Accelerometers, Aircraft
MIL-A-5885A
Adapters and Spacers
JAN-A-185: for electrical indicating instruments
Antennas, Airborne Communication
MIL-A-6224D: UHF
MIL-A-6271A: VHF
Attenuators, Fixed
MIL-A-3933: coaxial line and waveguide
Batteries
*MIL-B-18C: dry
*MIL-B-10154B: water activated, dunk type primary
MIL-B-3549: battery power supply for diagnostic instruments
Cable
MIL-C-3885A: cable and cord assemblies, electrical
JAN-C-76: insulated hookup wire, radio and instrument
*MIL-C-17B: r-f, coaxial, dual coaxial, twin connector and twin lead
MIL-C-342A: flexible and extra flexible, 300 and 600 v
Capacitors
*MIL-C-12889A: by-pass, radio interference reduction, paper, a-c and d-c
MIL-C-11693A: feedthrough, radio interference reduction, paper, a-c and d-c
MIL-C-11015A: fixed, ceramic, general purpose
MIL-C-20C: fixed, ceramic, temperature compensating
*MIL-C-3871: fixed, dry electrolytic, nonpolarized, a-c
MIL-C-62A: fixed, dry electrolytic, polarized, aluminum, d-c
*MIL-C-3965B: fixed, electrolytic, tantalum
*MIL-C-11272A: fixed, glass dielectric
*MIL-C-5B: fixed, mica
*MIL-C-10950B: fixed, mica, button style
*MIL-C-25A: fixed, hermetically sealed in metallic cases, paper, d-c
*MIL-C-91A: fixed, nonmetallic cases, paper
MIL-C-14157A: fixed, high-reliability, paper or paper-plastic, d-c
*MIL-C-92A: variable, trimmer, air-dielectric
MIL-C-81A: variable, ceramic
MIL-C-14409: variable, piston-type, tubular trimmer
Cases, Bases, Mounts
MIL-C-172C: mounts, vibration, aircraft equipment
Coating Materials
JAN-C-173: moisture and fungus-resistant
Coils
MIL-C-1898: cored, high-permeability
*MIL-C-15305A: r-f and transformers, i-f and r-f
Connectors
*MIL-C-3767A: electrical, power, bladed type
MIL-C-5015D: AN type
MIL-C-3608: BNC, for r-f cable
*MIL-C-3989: coaxial, r-f
MIL-C-3643: HN, for r-f cables
MIL-C-3650: LC, for r-f cables
*MIL-C-71A: N, for r-f cables
MIL-C-3607: pulse, for r-f cables
MIL-C-3655: twin, for r-f cables
Cord, Electrical
*MIL-C-3883: a-f
*MIL-C-3884: short lay
*MIL-C-3849: tinsel
Couplers, Directional
MIL-C-15370A: coaxial and waveguide
Crystals and Units
MIL-C-3687A: blanks, quartz
MIL-C-15729A: raw quartz
MIL-C-16C: units, quartz, CR-1A/AR, pressure-mounted
MIL-C-239C: units, quartz, CR-5/U
*MIL-C-3098B: units, quartz
MIL-C-12813A: units, quartz, wire-mounted, metal-plated
Dummy Loads
*MIL-D-3954A: electrical, waveguide
Electron Tubes and Crystal Rectifiers
*MIL-E-1D
*MIL-E-75C: tubes packaging-marking (also listed as MIL-P-75C)
Enclosures
MIL-E-2036A: shipboard equipment
Filters
MIL-F-18327A: high-, low- and band-pass, band suppression and dual functioning
MIL-F-15733C: radio interference
Flanges
*MIL-F-3922: waveguide, and associated fittings
Flux Soldering
MIL-F-14256A: liquid, rosin base
MIL-F-20329: noncorrosive
MIL-F-12784A: stearine compound 1C-3
Fuzes
MIL-F-15160C: instrument, power and telephone
Glass, Optical

JAN-G-174
Holders, Crystal
*MIL-H-10056C
Insulations (see also: Plastic Laminates, Plastic Materials)
MIL-I-16923C: compound, embedding
MIL-I-3825: tape, electrical, polyethylene base, self-fusing
MIL-I-3930A: insulating and jacketing compound for cable, cord and wire
MIL-I-10A: ceramic, radio, class L
Insulators
JAN-I-7: glass-bonded mica, radio
JAN-I-9: glass, radio
MIL-I-3676A: pin, lime-glass
JAN-I-21: porcelain, radio
JAN-I-8: steatite, radio
Jacks and Knobs
MIL-J-641B: telephone jacks
*MIL-K-3926: control knobs
Lampholders and Lights, Indicator
MIL-L-3661: bayonet base, miniature and candelabra
Lines, R-F Transmission
*MIL-L-3890: coaxial, air dielectric
Lubricating Oil
MIL-L-6085A: aircraft instrument
MIL-L-3918: instrument jewel bearing
Magnet Material, Permanent
QQ-M-60 (federal spec.)
Meters, Electrical
MIL-M-16125A: frequency
*MIL-M-3823: indicating, basic, (sealed panel mounting types, 1½ inch) and scaleplates
MIL-M-17275A: indicating, d-c, 1 inch
MIL-M-10304A: indicating, panel type, ruggedized
*MIL-M-6B: indicating, panel type, 2½ and 3½ inch, general spec.
Microphones
MIL-M-2714A: carbon, hand-held
MIL-M-11101B: dynamic
Plastic Compounds and Materials
L-P-590 (federal spec.): molding and extrusion, polyethylene, compound
MIL-P-20693: molding and extrusion, polyamide, compound
L-P-349a (federal spec.): molding, cellulose acetate butyrate and molded or extruded parts, compound
MIL-P-3412: molding, rigid thermoplastic, ethyl cellulose
MIL-P-3408: molding, rigid thermoplastic, aniline formaldehyde
MIL-P-3409: molding, rigid thermoplastic, polydichlorostyrene
MIL-P-3410: molding, rigid thermoplastic, polyvinyl chloride and copolymers
MIL-P-3411: molding, rigid thermoplastic, vinylidene chloride
MIL-P-14D: molding, thermosetting and molded plastic parts
MIL-P-77C: thermosetting, cast
Plastic Laminates and Sheets
MIL-P-13949A: laminated sheets (ls), copper-clad paper-base phenolic
MIL-P-997B: ls, glass-silicone, thermosetting
MIL-P-79B: laminated rods and tubes, thermosetting
MIL-P-15035B: ls, cotton fabric-phenolic, thermosetting
MIL-P-15037B: ls, glass-melamine, thermosetting
MIL-P-15047B: ls, nylon-phenolic, thermosetting
MIL-P-3115B: ls, paper-phenolic, thermosetting
MIL-P-19161A: ls, glass-Teflon
MIL-P-18177B: ls, glass-epoxy, thermosetting
MIL-P-17721C: ls, glass-melamine, thermosetting
MIL-P-80B: sheet, acrylic base, antielectrostatic, transparent, for indicating instrument windows
MIL-P-13436A: sheet, filled phenolic, uncured
Plugs, Telephone
MIL-P-642A
Powder Magnetic Materials
MIL-P-55034: molded, for cores, stability of
Rectifiers, Metallic
*MIL-R-11050A: selenium
Relays, Armature
MIL-R-5757C
Resistance Wire
QQ-R-175 (federal spec.)
Resistors
*MIL-R-3080B: current regulating, ballast tubes
JAN-R-29: external meter, high voltage, ferrule terminal type
*MIL-R-11C: fixed, composition, insulated
*MIL-R-10683A: fixed, composition film, VHF
*MIL-R-10509C: fixed, film, high stability
MIL-R-11804C: fixed, film, power type
MIL-R-14293A: fixed, high-megohm, hermetically sealed
*MIL-R-93B: fixed, wirewound, accurate
JAN-R-184: fixed, wirewound, low power
MIL-R-26C: fixed, wirewound, power type
*MIL-R-94B: variable, composition
*MIL-R-19A: variable, wirewound, low operating temperature, general spec.
*MIL-R-22A: variable, wirewound, power type
Shaft, Flexible
MIL-S-3644: tuning
Shunts, Instrument
MIL-S-61B: external, 50-millivolt, lightweight
Sockets
JAN-S-28A: electron tube, and accessories
*MIL-S-12883A: for electronic components, and accessories
Solder
QQ-S-571c (federal spec.): lead alloy, tin-lead alloy and tin alloy; flux-cored ribbon and wire, and solid form
MIL-S-12204B: aluminum alloy
QQ-S-551 (federal spec.): brazing
QQ-S-561d (federal spec.): silver
Switches
*MIL-S-3928: coaxial, r-f transmission line
MIL-S-3786: rotary, circuit selector, low current capacity
JAN-S-63: sensitive
JAN-S-23: toggle
JAN-S-57: vacuum
Synchros
MIL-S-20708A: general spec.
Transformers and Inductors
*MIL-T-27A: audio, power and pulse
Transistors
*MIL-T-19500A: general spec.
Twine and Tape
MIL-T-7131A: lacing and tying
Varnish
MIL-V-173A: moisture and fungus-resistant
Vibrators
MIL-V-95A: interrupter and self-rectifying
Waveguide
*MIL-W-287A: assemblies, flexible
MIL-W-3970: assemblies, rigid
MIL-W-85C: rigid, rectangular
Wire
MIL-W-76A: electrical, insulated, hookup, and cable
MIL-W-3861: electrical, bare copper
MIL-W-6370B: electrical, insulated, antenna
MIL-W-3795A: electrical, tinsel
MIL-W-583A: magnet
MIL-W-13169A: electrical, for instrument test leads

Determining Isolator Standing-Wave Ratio

Nomograph determines vswr produced by isolating attenuator or isolating attenuation required to produce a particular load vswr

By J. D. ALBRIGHT,
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WHEN WORKING with transmission lines it is frequently desirable to know the voltage standing-wave ratio which will be produced by a given isolating attenuator, or it is necessary to know what isolating attenuation is required to produce a particular load vswr.

Table I has been plotted to show the generator or isolated vswr produced by a particular attenuator and load. Considering a unilateral attenuator such as a ferrite isolator, the standing wave ratio seen by the generator depends upon the reflected power leaked by the isolator as shown in the insert of Table I. This in turn depends on the reverse attenuation of the isolator and the standing wave ratio which must be reduced.

For values of isolator attenuation greater than 35 db, the S_g curves may be considered as straight lines and extrapolated as far as desired.

The curve calculations were made with the assumption that the isolator itself has a zero reflection coefficient. Such is not the case with any physical device. A small residual vswr may have to be considered in cases where it approaches small values of S_g. The assumption has been made that the isolator has zero forward attenuation. This is not the true physical case. However, the small fraction of a db of forward attenuation normally present in a ferrite isolator can generally be ignored. Forward attenuation which cannot be ignored is simply added to the reverse attenuation in db in determining the generator vswr from the table.

Table I—Effect of Matched Attenuator on Generator VSWR for Various Load VSWR

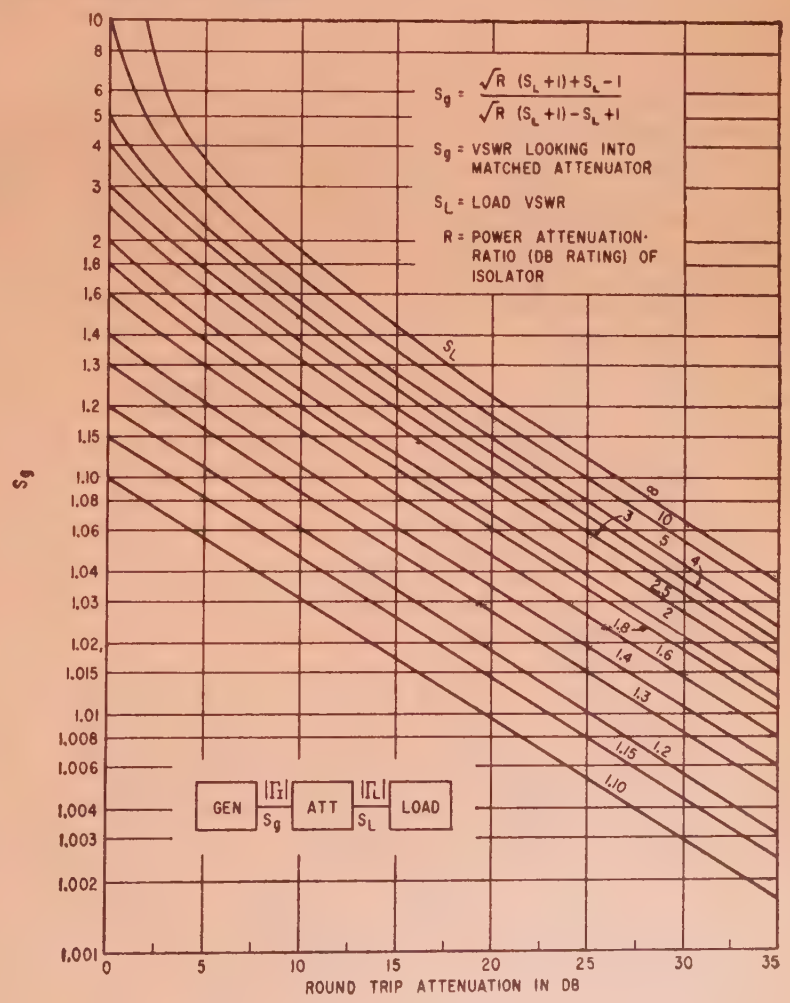


Chart Finds Loaded Q

Loaded Q of a capacitor-shortened, quarter-wave transmission line of uniform impedance is found quickly using this nomograph

By ROY A. HENDERSON,
Design Engineer, Radio Corporation of America, Camden, N. J.

When transmission lines are used as tuning elements for amplifier tubes, the loaded Q (Q_L) of the line is important. Computation of Q_L can be very lengthy if the line contains a number of small sections, each having a different impedance.

Approximation

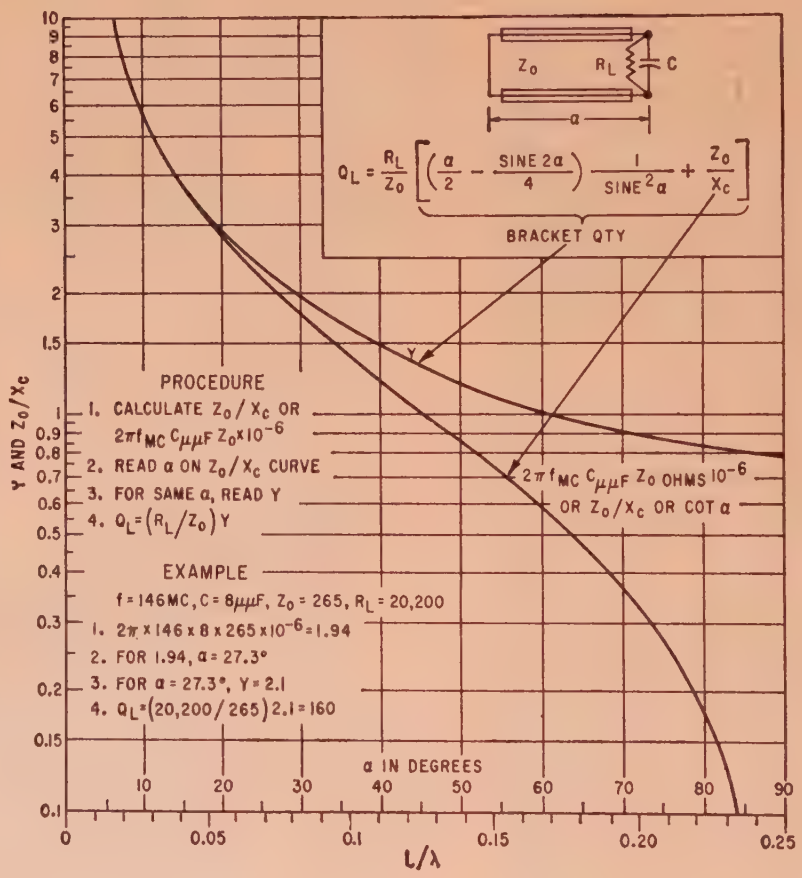
In many cases the line has a long uniform impedance section with a shorting slider for tuning to various frequencies. If this uniform impedance section is long compared to the other sections, the entire line can be approximated at the lowest frequency by the uniform impedance line with only a small error.

This approximation makes it possible to determine Q_L as a function of tube capacitance and line and load impedances using the curve shown. Although use is limited to the lowest frequencies in the band, the curve helps to determine what line impedances are required for an acceptable Q. Thus it can be used in the initial design stages.

Example

The equation for Q_L is given on the curve. The term within the bracket is plotted as the Y curve. The lower curve is a plot of Z_o/X_c.

The example and procedure show how to find Q_L when f, C, Z_o and R_L are given. Where α is known, Q_L can be found by starting with step 3 of the procedure given.



The procedure and example shown are for a shortened quarter-wave line. In calculating Q_L for lines which include several quarter-wave sections, the bracket term (Y) must be increased by 0.785 for each additional section.

The alternate abscissa (showing the amount of line shortening) is the ratio of line length, l, to the wave length, λ. It should be noted that in the uhf range the tube capacitance is usually less than listed in tube data sheets because of different voltage distribution.

Bibliography

L. L. Koros, A Novel UHF Power Amplifier System, *RCA Review*, June 1955.
W. C. Hollis, Design of Transmission Line Tank Circuits, Electronics, 20, May 1947.

Graphical Analysis of Coupling Networks

Shows how to speed up design of resistor voltage dividers. Diagrams indicate relation of operating conditions to resistor and voltage-supply tolerances

By JOHN G. KOCH,
Electrical Project Engineer, Motorola, Inc., Phoenix, Arizona

TIME AND EFFORT can be saved by using a graphical approach when designing resistive coupling networks. The graphical method to be discussed can be used for resistive-coupling problems when the load draws a negligible current and the network is not frequency dependent.

Referring to Fig. 1A, $E_o = E_1 R_2/(R_1 + R_2)$. This voltage-divider relation is graphically shown in Fig. 1B. The graphical relation shows that $p/R_2 = 1/(R_1 + R_2)$. Consequently, $p = R_2/(R_1 + R_2)$ and $E_o = pE_1$.

Figure 2 is a nomograph which expresses the relationship between R_1, R_2 and p. The nomograph also shows R_1 and R_2 multiples of either the standard RETMA or MIL-R-10509 series and p with the equivalent voltage loss in db.

Several examples will be given to demonstrate the usefulness of the graphical approach.

Example 1

In the following example (No. 1), the problem is to directly

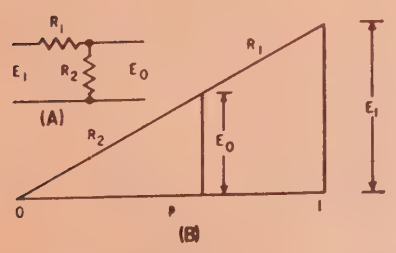


FIG. 1—Resistor voltage divider (A) and voltage-divider diagram (B)

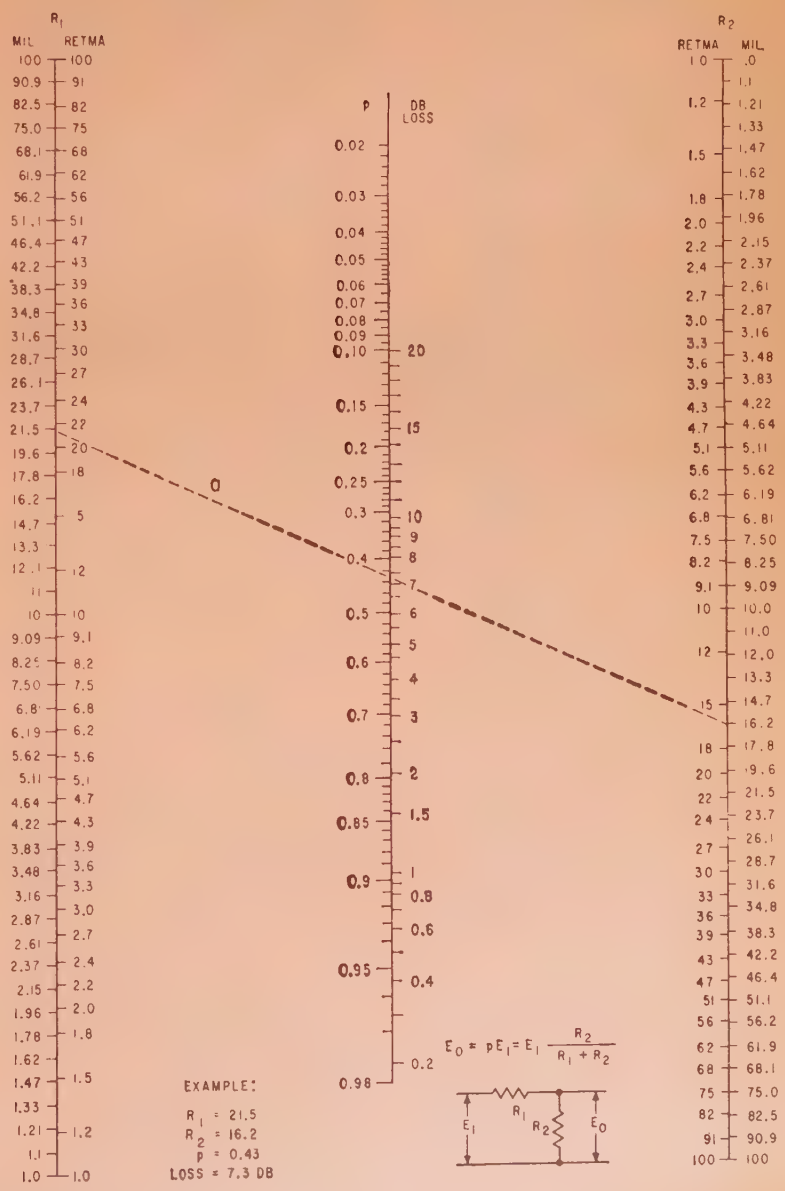


FIG. 2—Nomogram for designing resistor coupling networks

couple the plate of a pentode video amplifier to the grid of the following stage with a network composed of two MIL resistors. Power supplies are +250 v and −150 v. Quiescent plate potential is 200 v and the desired grid potential is zero.

Sketch a voltage-divider diagram on graph paper (Fig. 3). Connect the $p = 0$, $y = -150$ v, point with the 200 v point on the

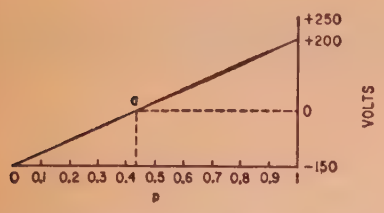


FIG. 3—Voltage-divider diagram for example 1

voltage axis. Find the intersection of this line with zero v (point a). Drop a line from point a to the p axis. This line gives the value 0.432 for p.

In Fig. 2, for $p = 0.432$, the attenuation is 7.3 db. Select a convenient value for R_1. Draw a line that joins this value of R_1 with the desired value of p and note the intersection of this line on the R_2 axis. Intersection may or may not fall on one of the standard values for R_2. Continue this until standard values for R_1 and R_2 are obtained, as indicated by line a.

To determine the value of resistors R_1 and R_2, assign an arbitrary value of 1 ma for the approximate current that will be drawn by the network. The sum of $R_1 + R_2$ is then (200 v + 150 v)/1 ma = 350,000 ohms. Multiply the R_1 and R_2 scales by 10^4 to fit this solution.

The values indicated by line a are R_1 = 215,000 ohms, R_2 = 162,000 ohms and loss = 7.3 db.

Example 2

The problem is to justify using 1-percent tolerance resistors in the network that has just been calculated and to justify using a 5-percent tolerance resistor in the plate circuit of the video amplifier rather than a ±20-percent composition resistor. Assume the quiescent plate current is 5 ma through a 10,000-ohm (±5 percent) plate-load resistor. The maximum deviation expected in the 1-percent-tolerance resistors is ±5 percent and the maximum deviation expected in the 5-percent tolerance resistor is ±20 percent.

Plate voltage can be anywhere between 250 v − (12,000 ohms) (5 ma) = 190 v and 250 v − (8,000 ohms) (5 ma) = 210 v. This excursion is due to expected plate-load resistor changes.

Construct a voltage-divider diagram. Mark the limits of the plate-voltage swing on the voltage axis and connect each point with point $p = 0$, as shown in Fig. 4.

Maximum deviation about the original p point will be ±5 percent due to changes in the precision resistors. Calculate the excursion of p and find these two points on the p axis. Draw a line vertically from each of these two points, thus intersecting the $R_1 + R_2$ lines. The area enclosed by these lines indicates the operating region of the grid under the assumed conditions. It may be necessary to explore the use of a precision resistor in the plate load to reduce the variation possible in grid potential. In this example the grid potential swings over a range of −12 to +13 v.

Example 3

A regulated power supply is to be designed to deliver 250 v. A reference of −87 v is to be used with this supply. A 10,000 ohm potentiometer (R_1, in Fig. 5) must adjust output voltage e_o over a swing of +5 v to −15 v.

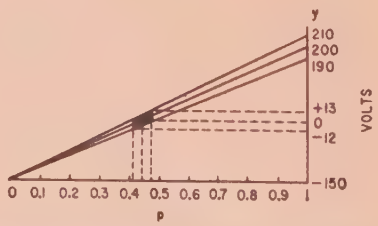


FIG. 4—Voltage diagram for example 2

Draw the basic voltage-divider diagram and extend the voltage axis from −100 v to + 250 v. Find the point $p = 0$ and −87 v. Connect this point with the +250 v point on the voltage axis with a straight line. Find p_2 by dropping a vertical line to the p axis from the point on the diagonal corresponding to +5 v. Similarly, find p_1 by dropping a vertical to the p axis from the −15 v point on the diagonal.

Current through this network is equal to [5v − (−15v)] divided by 10^4 ohms, or 2 ma. As this current is common to the network, $R_3\ (p_2 - p_1) = R_2/(1 - p_2) = R_3/p_1$, and $R_3 = R_1\, p_1/(p_2 - p_1)$, and $R_2 = R_1\ [(1 - p_2)/(p_2 - p_1)]$.

In this problem, $p_1 = 0.215$ and $p_2 = 0.275$. Consequently, R_2 = 121,000 ohms and R_3 = 35,800 ohms. Use the nomograph to

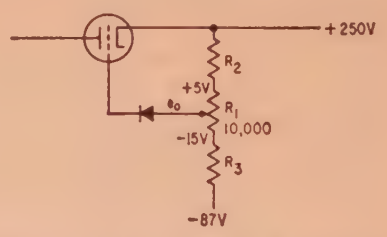


FIG. 5—Design of resistor voltage divider is discussed in example 3

select the nearest standard resistors.

Attenuation of the network is found by using p_1 and p_2. In this example the loss is between 13.3 db and 11.2 db.

Other Applications

Many other simple coupling problems can be solved graphically. An extension of the problem in EXAMPLE 3 might, for example, include the tolerances of the three resistors and the expected variation in the reference voltage. Another respresentative problem would be the design of a multivibrator to insure cutoff under all conditions of resistor and power-supply variation.

Design Charts for Low-Frequency Antennas

By GEORGE J. MONSER,
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PROPAGATION of radio waves at lf and vlf is characterized by a high degree of stability and by the long range of useful signal transmission. One limitation that deters greater usage is the antenna size necessary to efficiently radiate power.

This article presents nomograms helpful in estimating the radiation capability of electrically-short antennas once the antenna current is specified.

For an electrically short base-driven antenna as shown in Fig. 1A, the radiation resistance is

$$R_a \doteq 10\, G_o^2 \qquad (1)$$

(valid when $G_o < 0.785$ radians)

where G_o is the electrical height in radians.

Since $G_o = 2\pi h/\lambda$, in which h is the antenna height and λ is the wavelength in the same units as h,

$$R_a = 4.06 \times 10^{-10}\, h^2 f^2 \qquad (2)$$

when h is the antenna height in feet and f is the frequency in Kc.

Equation (2) is shown graphically in Fig. 2.

For an electrically short base-driven antenna, top loaded with a flat horizontal disk as shown

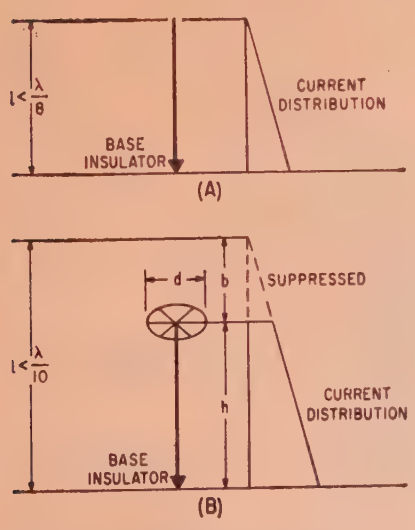

FIG. 1—Stub antenna (A) and stub antenna with top loading (B)

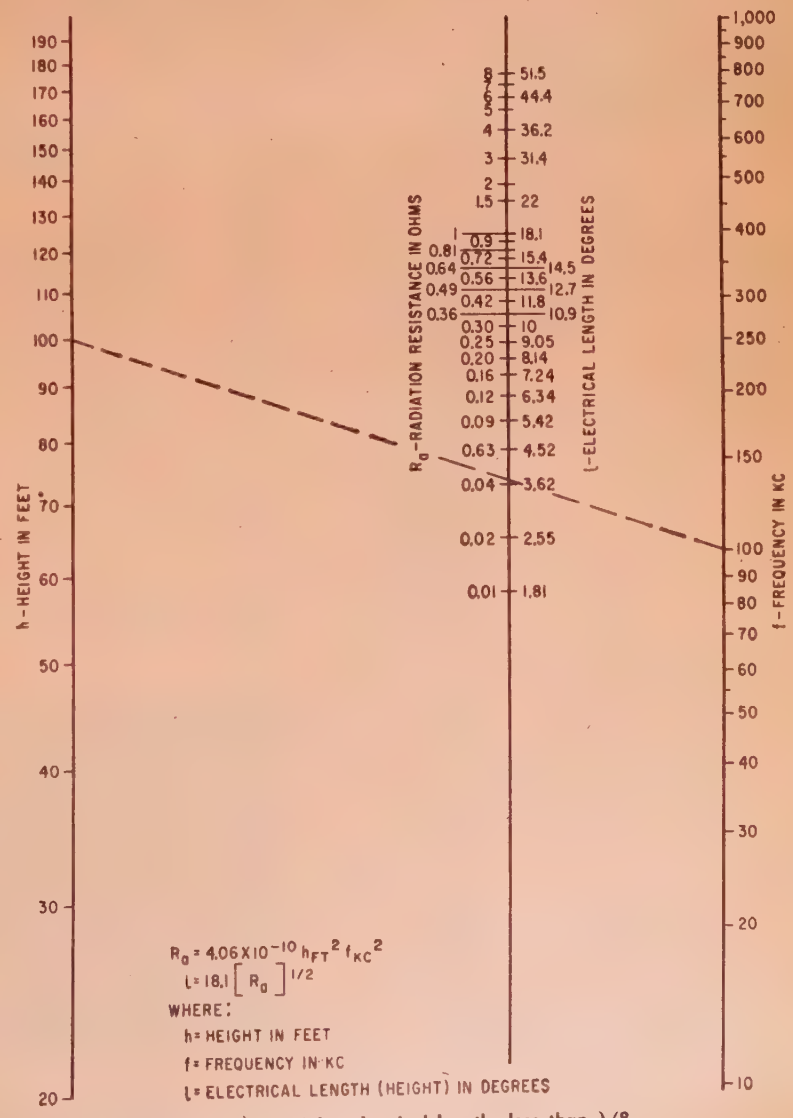

FIG. 2—Stub antenna chart valid for electrical lengths less than λ/8

in Fig. 1B, the radiation resistance is

$$R_a \doteq 1{,}578\,(h/\lambda)^2 \left\{1-[h/(h+b)]+\tfrac{1}{4}\,[h/(h+b)]^2\right\} \quad (3)$$

valid for $(h + b) < 0.1\,\lambda$ where b is the increase in height due to the top-loading disk and λ is the wavelength; h, b and λ are expressed in the same units.

To use equation (3) in this form requires considerable computation. A more useful relationship would be

$$R_a = g\,(f, h, d) \quad (4)$$

where f is the frequency, h is the height of the stub and d is the diameter of the disk.

An approximate functional relationship for equation (4) is found by $X_u = Z_u \cot\,(2\pi h/\lambda)$ which is the stub reactance at f_1; $X_b = 1/2\pi f_1\,C_2$ which is the top loading disk reactance at f_1; and $Z_o = 60\,[ln\,(h/a) - 1]$ is the characteristic impedance for the stub transmission line; where C_2 is the capacitance (0.35 pF) of the disk (remote from earth), d_u is the diameter of the disk in centimeters, h is the height of the stub and a is the effective radius of the stub in the same units as h.

From the equation for the characteristic impedance of a stub transmission line, note that $Z_u \doteq 200$ ohms for the restricted range $60 < (h/a) < 90$. From the equation for stub reactance at f_1,

$$X_a \doteq Z_u\,(\lambda/2\pi h) \doteq 300 \times 10^5/hf = K_a/hf \quad (5)$$

where h is the stub height in feet and f is the frequency in Kc.

From the equation for the top loading disk reactance at f_1,

$$X_b = 150 \times 10^5/df = K_b/df \quad (6)$$

where d is the diameter of the disk in feet and f is the frequency in Kc.

For the short line,

$$h/(h + b) = X_c/X_a \quad (7)$$

where X_u is the stub reactance and $X_c = X_u\,X_b/(X_u + X_b)$ is the stub input reactance with top loading.

Using equations (5) through (7),

$$h/(h + b) = X_c/X_a = 1/(1 + \alpha) \quad (8)$$

where

$$\alpha = K_a d/K_b h = 2\,(d/h).$$

With the aid of the above development, Eq. (3) is reformed yielding

$$R_a = 4.06 \times 10^{-10}\,h^2 f^2 \phi^2 \quad (9)$$

where $\phi = (h/h+b) - 2 = (1/1+\alpha) - 2$, h is the stub height in feet and f is the frequency in Kc.

Figure 3 relates the variables in Eq. (9) for two different d/h ratios. The percentage increase in length for the two d/h ratios has also been indicated.

Figure 4 relates the variables in Eq. (5).

Reference

(1) J. S. Belrose, et al, The Engineering of Communication Systems for Low Radio Frequencies, *Proc IRE*, p 661, May 1959.

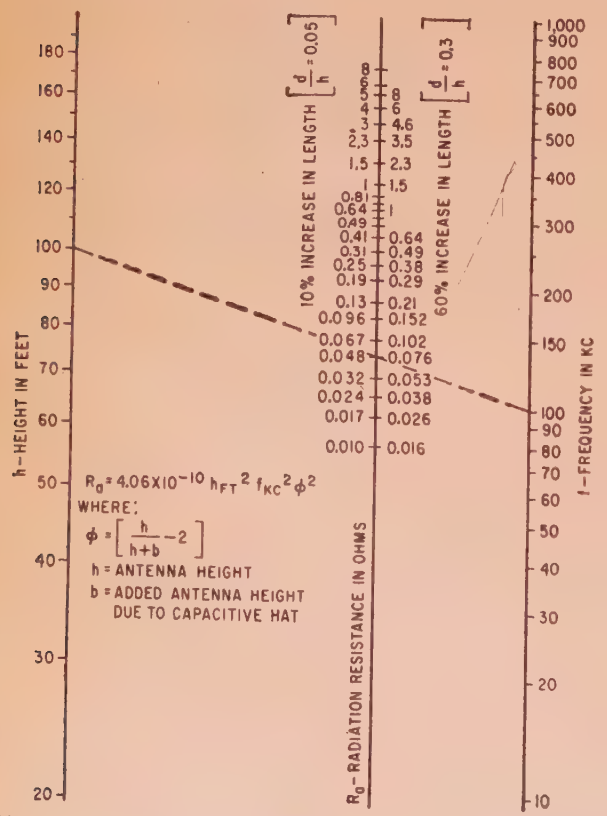

FIG. 3—Stub antenna with two different d/h ratios for flat-top loading valid for $h + b < \lambda/10$

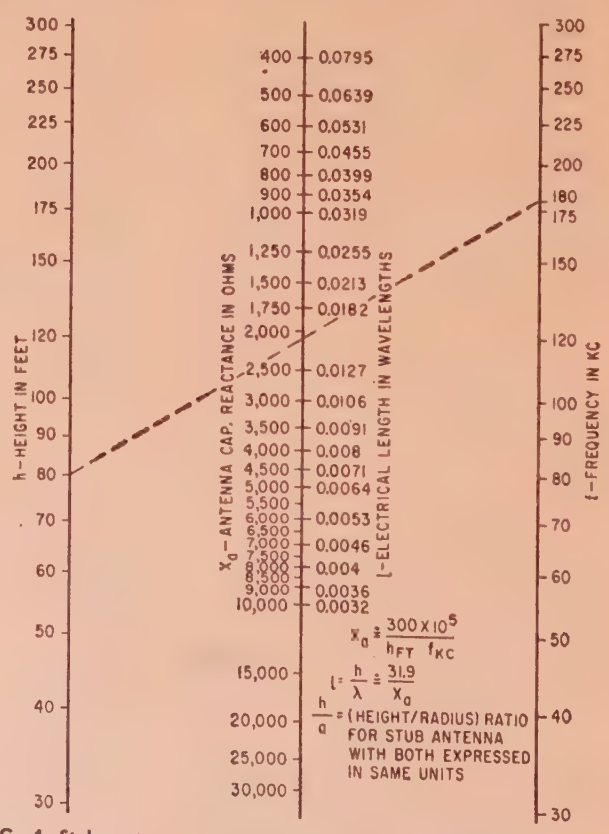

FIG. 4—Stub antenna reactance chart valid for electrical lengths $< \lambda/16$ and for $60 < (h/2) < 90$

Computing Transistor Switching Dissipation

By DONALD W. BOENSEL,
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AN IMPORTANT problem in using transistors as switches is to determine maximum performance as a function of parameters such as load power, switching frequency and ambient temperature. In any case, collector junction temperature usually dictates maximum performance. Factors contributing directly to a rise in junction temperature are components of dissipated power resulting from such imperfect switch characteristics as OFF leakage current, ON saturation resistance, and nonzero turn-on and turn-off times.

To calculate transistor switching dissipation, assume that a generalized switching circuit may take the form shown in Fig. 1A and that the idealized output voltage and current waveforms are adequately represented by those shown in Fig. 1B. The subsequent analysis assumes the following: input dissipation is negligible; R_{sat} is determined by I_+ and load current V_c/R_L; turn-on and turn-off times (δ) are related to I_+' and I_-'; input peaking transients essentially reach completion regardless of drive frequency.

Also assume that $R_L \gg R_{sat}$,

$$I_{co(max)} \ll V_c/R_L,$$
$$\beta = \alpha/(1-\alpha) = \beta_o/(1 + S/\omega_\beta)$$
$$I_{co}(T_j) = I_{co(25C)}2^{K_L(T_j-25)}$$

The thermal resistance from collector junction to ambient consists of ρ_d (the resistance from junction to heat sink), and ρ_s (the resistance from sink to ambient). For most applications, the sum of these, ρ_t, can be treated as constant. Thus

$$T_j = T_{amb} + \rho_t P_c \qquad (1)$$

Average collector dissipation per cycle is given by the sum of four components. This expression

$$P_c = \frac{1}{\Delta}(E_{on} + E_{off}) + \frac{V_c I_{co}(T_j)}{2} + \left(\frac{V_c}{R_L}\right)^2 \frac{R_{sat}}{2} \qquad (2)$$

assumes that Δ, the period of the excitation, is much greater than the sum of δ_{on} and δ_{off} and that the drive is symmetrical (*off* interval = *on* interval). Energies dissipated during turn-on and turn-off are E_{on} and E_{off} respectively.

In any switching circuit designed to achieve reasonably efficient operation, input peaking is used to improve switching times; this condition means that $\beta_o I_+'$ and $\beta_o I_-'$ are $\gg V_c/R_L$.

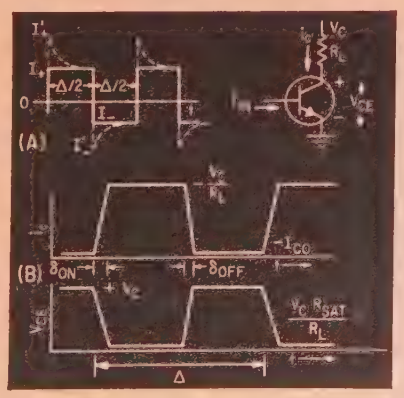

FIG. 1—Switching circuit (A) and assumed output waveforms (B)

Table I—Symbols

R_{sat}	saturation resistance
I_+	steady-state *on* base current
I_+'	peak turn-on current
I_-'	peak turn-off current
I_{co}	reverse saturation current
β_o	l-f common-emitter gain
S	$j\omega$, at the frequency of β
ω_β	beta cutoff f in rad/sec
T_j	collector temp in deg C
T_{amb}	ambient temp in deg C
K_L	0.07 for Ge, 0.11 for Si
ρ_t	deg C/w
P_c	collector power dissipation, w
P_L	peak load power, w

Thus transition times are

$$\delta_{on} \cong [(V_c/R_L)/(\beta_o I_+')](1/\omega_\beta) \qquad (3A)$$
$$\delta_{off} \cong [(V_c/R_L)/(\beta_o I_-')](1/\omega_\beta) \qquad (3B)$$

During transitions, therefore, collector current and voltage can be represented by simple linear time-varying expressions. For turn-on

$$i_c = [(V_c/R_L)/(\delta_{on})]t \qquad (4A)$$
$$v_{ce} = V_c(1 - t/\delta_{on}) \qquad (4B)$$

For turn-off:

$$i_c = (V_c/R_L)(1 - t/\delta_{off}) \qquad (5A)$$
$$v_{ce} = (V_c/\delta_{off})t. \qquad (5B)$$

When integrated over the transition intervals, Eq. 3, 4 and 5 lead to

$$E_{on} = [V_c^3/(6R_L^2\omega_\alpha)]/I_+'$$

$$E_{off} = [V_c^3/(6R_L^2\omega_\alpha)]/I_-'$$

where $\omega_\alpha = \beta_o\omega_\beta$ is the normal alpha cut-off frequency in radians/sec.

Although there are a number of possible combinations of knowns and unknowns in Eq. 1, it is practical to treat only one representative set. One important situation is determining the trade-off between operating frequency and load power. A particularly convenient form of Eq. 1 for such a determination is

$$T_j = T_{amb} + [\rho_L^2(K_1f + K_2) + K_3 2^{K_L(T_j-25)}] \quad (6)$$

where

$$K_1 = [(1/I_+') + (1/I_-')][\rho_t/6V_c\omega_\alpha] \quad (7)$$

$$K_2 = \rho_t R_{sat}/2V_c^2 \quad (8)$$

$$K_3 = \rho_t V_c I_{co}(25\text{C})/2 \quad (9)$$

and variables are in v, amp, ohms, deg C radians/sec and cps.

Ordinarily, either a maximum junction temperature is specified for a particular device or a lower temperature limit is chosen for safety or reliability so that T_j is known. This, of course, also determines $I_{co}(T_j)$. Although it is apparent from Eq. 6, 7, 8 and 9 that V_c can be optimized to give a maximum fP_L, such a consideration is beyond the scope of this treatment. It will therefore be assumed that some arbitrary V_c is known, allowing calculations of K_1, K_2, and K_3.

The nomogram is an aid in calculating the bracketed terms in Eq. 6. Scales (1), (2), and (3) are used to find $K_3 2^{K_L(T_j-25)}$ and scales (3), (4), and (5) to find $P_L^2K_2$. The product $P_L^2K_1f$ is found with scales (5), (6), (7), (8), and (9). Although the product scales (3) and (9) have been limited to temperature terms from 1 to 100 C, scaling can be used to accommodate different P_L^2 or f ranges. Specifically for an n-decade increase in P_L^2, multiply (5) by 10^n and (6) by 10^{-n}. For an m-decade increase in f, multiply (8) by 10^m and (6) and (7) by 10^{-m}.

As an example of using the nomogram, consider the following problem.

A silicon transistor has $\omega_\alpha = 10^6$, I_{co} (25 C) = 1 ma, $\beta_o = 100$, $R_{sat} = 0.1$ ohm and $\rho_t = 2$ deg/w. Maximum T_j is 95 C and maximum ambient is 55 C. Determine the maximum average switched power obtainable from a 28-v supply at 100 kc with I_+' and I_-' limited to 1 amp apiece. Solving Eq. 7, 8 and 9

$K_1 = 2.4 \times 10^{-8}$, $K_2 = 1.3 \times 10^{-4}$ and $K_3 = 3 \times 10^{-2}$.

As shown by the dotted lines on Fig. 2, for

$$T_{jmax} - 25 = 70 \text{ C}, \quad K_3 2^{K_L(T_j-25)} = 7 \text{ C}.$$

Since K_2 is extremely small in this case, assume that it makes a negligible contribution to junction temperature. The maximum contribution of $P_L^2K_1f$ is obtained from

$$P_L^2K_1f \leqq T_j - T_{amb} - K_3 2^{K_L(T_j-25)} \leqq 70 - 55 - 7 \leqq 8.$$

The settings on scales (6), (7), (8), and (9) reveal that the maximum attainable power = $(3 \times 10^3)^{\frac{1}{2}}$ = 55 w, or an average load power of 27.5 w.

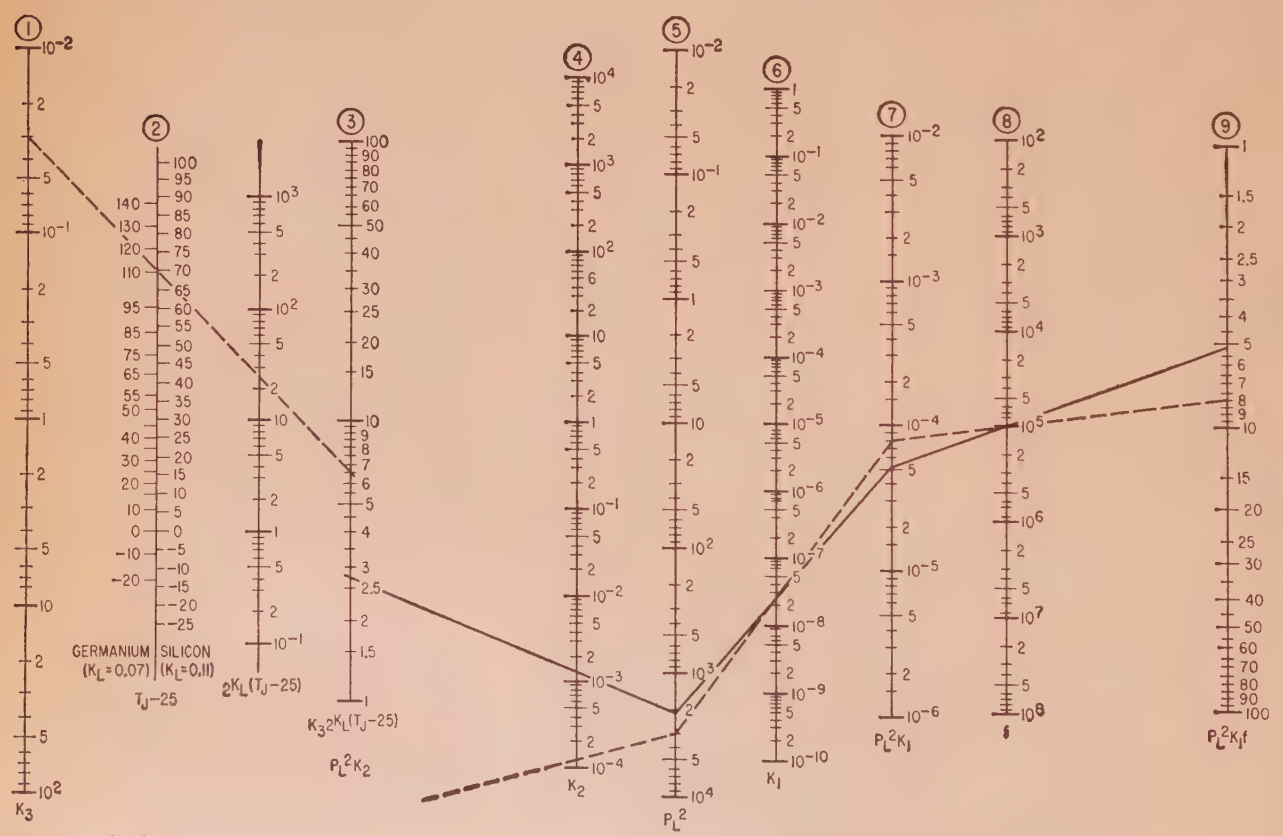

FIG. 2—Solid lines are for same problem shown by dotted lines, with R_{sat}=1 ohm

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Airborne Accessories Corp., 1-2	1414 Chestnut Ave, Hillside	NJ
American Measurement & Control, Inc., 1	240 Calvary St, Waltham 54	Mass
Applied Dynamics, Inc., 1-2	P.O. Box 2068, Ann Arbor	Mich
Atchley Inc., Raymond, 1	2339 Cotner Ave, Los Angeles 64	Cal
Barber Colman Co., 1-2	1300 Rock St, Rockford	Ill
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Bendix Aviation Corp., Montrose Div., 2	South Montrose	Pa
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
Boonshaft & Fuchs, Inc., 1-2	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Cadillac Gage Co., 1-2	P.O. Box 3806, Detroit	Mich
Chance Vought Aircraft, Inc., 1-2	P.O. Box 5907, Dallas 22	Tex
CompuDyne Corp., 1-2	400 S. Warminster Rd, Hatboro	Pa
Consolidated Controls Corp., 1	6 Durant Ave, Bethel	Conn
Cunningham Son & Co., Inc., James, 1	33 Litchfield St, Rochester	NY
Dalmo Victor Co., Div., Textron, Inc., 1-2	1515 Industrial Way, Belmont	Cal
EASTERN INDUSTRIES, INC., 1-2, Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 2	81 Lakeside Ave, West Orange	NJ
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
ELECTRIC REGULATOR CORP., 1-2, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Precision Corp., 2	P.O. Box 669, Arkadelphia	Ark
ELECTRONIC SPECIALTY CO., 1-2, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Evershed & Vignoles Ltd., 1	Chiswick, London W. 4, England	
Exact Engineering & Mfg., Inc., 2	Box 447, Oceanside	Cal
Farrand Optical Co., Inc., 1-2	Bronx Blvd at 238th St, New York 70	NY
Feedback Controls, Inc., 1-2	8 Erie Dr, Natick	Mass
GPE Controls, Inc., 1-2	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The, 1-2	9851 Sepulveda Blvd, Los Angeles 45	Cal
Gerst & Co., Paul E., 1-2	4868 N. Clark, Chicago 40	Ill
Gilfillan Bros., Inc., 1-2	1815 Venice Blvd, Los Angeles 6	Cal
Globe Industries Inc	1784 Stanley Ave, Dayton 4	Ohio
Gray Mfg. Co., The, 1	Dept 67, 16 Arbor St, Hartford 1	Conn
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
Guidance Controls Corp., 2	110 Duffy Ave, Hicksville	NY
Haydon Co., A.W., The, 2	238 N. Elm St, Waterbury	Conn
Helco Products Corp., 1	7832 Balboa Blvd, Van Nuys	Cal
Huyck Systems Co., 1-2	360 Wolf Hill Rd, Huntington Sta	NY
Industrial Control Co., 1-2	Central at Pinelawn, Farmingdale	NY
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
Jordan Controls, Inc., 1-2	3225 W. Hampton, Milwaukee 9	Wisc
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Land-Air, Inc., 2	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 1-2	3171 S. Bundy Dr, Santa Monica	Cal
Lear-Romec Div., Lear, Inc., 1-2	Abbe Rd, Elyria	Ohio
Leetronics, Inc., 2	30 Main St, Brooklyn	NY
Link Div., Gen. Precision, Inc., 1	Nowlan Rd, Hillcrest, Binghamton	NY
Lucas-Rotax, Ltd., 1-2	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Lundy Mfg. Corp., 1-2	Robert Ln, Glen Head	NY
Magtrol, Inc., 2	240 Seneca St, Buffalo 4	NY
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Pegasus Laboratories, Inc., 1-2	3692 11 Mile Rd, Berkley	Mich
Pickering & Co., Inc., 1-2	Sunnyside Blvd, Plainview	NY
Precision Mechanisms Corp., 2	577 Newbridge Ave, East Meadow	NY
Research, Inc., 1	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Schaevitz Engineering., 1-2	P. O. Box 505, Camden 1	NJ
Servo-Tek Products Co., Inc., 1-2	1086 Goffle Rd, Hawthorne	NJ
Servotronics, Inc., 1	190 Gruner Rd, Buffalo 25	NY
Small Motors, Inc., 2	2076 Elston Ave, Chicago 14	Ill
Spectrol Electronics Corp., 1-2	1704 S. Del Mar, San Gabriel	Cal
Summers Gyroscope Co., 2	2500 Broadway, Santa Monica	Cal
Task Corp., 1-2	1007 E. Vermont, Anaheim	Cal
Taylor Instrument Cos., 1-2	95 Ames St, Rochester	NY
Technology Instrument Corp of Ariz., 1-2	1050 E. Valencia Rd, Tucson 2	Ariz
Transco Products Inc., 2	12210 Nebraska Ave, L A 25	Cal
United Aircraft Products Inc., 1	1116 Bolander Ave, Dayton 1	Ohio
United Control Corp., 1-2	4540 Union Bay Pl, Seattle 5	Wash
United Sensor & Control Corp., 1-2	Glastonbury	Conn
U.S.Gear Corp., 1-2	81 Bay State Rd, Wakefield	Mass
Vard, Div., Royal Industries, 1-2	2981 E. Colorado, Pasadena	Cal
Vickers, Inc., Electric Products Div., 2	1899 Locust St, St. Louis 3	Mo
Western Design Div., U.S. Industries, Inc., 1-2	Goleta	Cal
Weston Hydraulics Sub., Borg-Warner, 1-2	7500 Tyrone Ave, Van Nuys	Cal
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 1-2, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

A-C VOLTMETERS *—*See VOLTMETERS
ADAPTER PLUGS See PLUGS

ADAPTERS
1. BATTERY 2. COAXIAL 3. FOREIGN POWER 4. TEST 5. TUBE

Aerolite Electronics Corp., 1	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co., 4	P.O. Box 31, Lancaster	Cal
ALDEN PRODUCTS CO., 5, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
ALFORD MFG. CO., 2, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
American Cyanamid Co., 5	30 Rockefeller Plaza, New York 20	NY
Ampco Mfg. Co., 1-2-4	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 2, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Anaheim Electronics Div., Electronic Eng.		

Co of Cal., 4	1601 E. Chestnut, Santa Ana	Cal
Anchor Specialty Mfg. Co., Inc., 4	300 Hollister Rd, Teterboro	NJ
AUTOMATIC METAL PRODUCTS CORP., 2, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Avnet Electronics, Inc., 2	4204 Glencoe Ave, Venice	Cal
Avnet Electronics Corp., 2	70 State St, Westbury	NY
Barnes Development Co., 4	213 W. Baltimore Pike, Lansdowne	Pa
Benco Television Associates, Ltd., 2	27 Taber Rd, Rexdale, Ontario, Canada	
BIRD ELECTRONIC CORP., 2, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Bogart Mfg. Corp., 2	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., 2, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
CBC ELECTRONICS CO., INC., 4, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C W S Waveguide Corp., 2	301 W. Hoffman Ave, Lindenhurst	NY
Cable Electric Products, 1-2	234 Daboll St, Providence	RI
Canoga Div., Underwood Corp., 2	15330 Oxnard St, Van Nuys	Cal
Chase Brass & Copper Co., Inc., 5	236 Grand St, Waterbury 20	Conn
Coaxial Connector Co., Inc., 2	37 N. 2nd Ave, Mt. Vernon	NY
COLE ELECTRIC CO., 1-2, Adv Pg 496	**8439 Steller Dr, Culver City**	**Cal**
Control Devices, Inc., 4	925 S. Eton Rd, Birmingham	Mich
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DAGE ELECTRIC CO., 2, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Diamond Antenna & Microwave Corp., 2	River St, Winchester	Mass
Don-Lan Electronics, Inc., 2	1101 Olympic, Santa Monica	Cal
Donmar Products, Inc., 4	P.O. Box 8396, Denver 10	Colo
DOUGLAS MICROWAVE CO., INC., 2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Eagle Electric Mfg. Co., Inc., 3	23-10 Bridge Plaza S., L.I. City	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 4, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro-Products, Inc., 2-4	15050 Schaefer Hwy, Detroit 27	Mich
FXR, INC., 2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Forway Industries, Inc., 2-4-5	122 Green Ave, Woodbury	NJ
G-C ELECTRONICS CO., 4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Garrett Corp., The, 1	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
HEWLETT-PACKARD CO., 2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
I. H. Manufacturing Co., 1-5	121 Greene St, New York 12	NY
INDUSTRIAL ELECTRONIC HARDWARE CORP., 4-5, Adv Pg 482	**109 Prince St, New York 12**	**NY**
JETTRON PRODUCTS, INC., 5, Adv. Pgs. 550, 551	**56 Rt. 10, Hanover**	**NJ**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 2, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KINGS ELECTRONICS CO., INC., 2, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kulka Electric Corp., 3	633 S. Fulton Ave, Mt. Vernon	NY
Lab-Tronics, Inc., 2-4-5	3656 N. Lincoln, Chicago 13	Ill
LIECO, INC., 2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, 2, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc., 2	8739 S. Millergrove Dr, Whittier	Cal
MICROLAB, 2, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microwave Associates, Inc., 2	Burlington	Mass
N.F.K. Mfg. & Engineering Co., 2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 2	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc., 2	P.O. Box 308, Rowley	Mass
PRD ELECTRONICS, INC., 2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PARAPLEGICS MFG. CO., INC., 1-4-5, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Permoflux Products Co., 2	4101 San Fernando Rd, Glendale	Cal
PHELPS DODGE COPPER PRODUCTS CORP., 2, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Pomona Electronics Co., Inc., 4-5	1126 W. Fifth Ave, Pomona	Cal
Prodelin, Inc., 2	307 Bergen Ave, Kearny	NJ
Radar Measurements Corp., 2	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc., 2	3 Huron Dr, Natick	Mass
Scientific-Atlanta, Inc., 2	2162 Piedmont Rd N.E., Atlanta 9	Ga
Sealectro Corp., 2	139 Hoyt Ave, Mamaroneck	NY
Simpson Electric Co., Div., American Gage & Machine Co., 4	5218 W. Kinzie St, Chicago 44	Ill
Tamar Electronics, Inc., 2	2045 W. Rosecrans Ave, Gardena	Cal
TELCON, 2, Adv Pg 406	**P. O. Box 216, Pacific Palisades**	**Cal**
Temco Electronics Div., Temco Aircraft Corp., 2	P.O. Box 6191, Dallas 22	Tex
VECTOR ELECTRONIC CO., 4-5, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Victor R.F. & Microwave Co., 2	36 W. Water St, Wakefield	Mass
WALSCO ELECTRONICS MFG. CO., 4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Waltham Horological Corp., 2	396 Lynnway, Lynn	Mass
Waveguide, Inc., 2	1769 Placentia Ave, Costa Mesa	Cal

ADAPTERS —*FLEXIBLE SHAFT*

Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
PIC Design Corp., Sub of Benrus Watch Co., Inc	477 Atlantic Ave, East Rockaway	NY
Stewart Corp., F.W.	4311 Ravenswood Ave, Chicago 13	Ill

ADAPTERS —*PANORAMIC*

HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Racal Engineering, Ltd	Western Rd, Bracknell, Berks, England	

ADAPTERS —*PHASE*

Airtronics International Corp	P.O. Box 8576, Fort Lauderdale	Fla
American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**

ADDERS —*COMPUTER*

CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Comptron Corp	778 Pleasant St, Belmont 79	Mass
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
International Business Machines Corp	590 Madison Ave, New York 22	NY
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
PHILBRICK RESEARCHES, INC., GEORGE A., Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Remington Rand Div., Sperry Rand Corp	315 Park Ave S., New York 10	NY
Tenlo Research Corp	9424 Lyndale Ave S., Minneapolis 20	Minn
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vitro Corp of America	261 Madison Ave, New York 16	NY

ADHESIVES

1. CORROSION-PROOF 2. EPOXY 3. GENERAL-PURPOSE 4. SILICONE 5. WATERPROOF See Also CEMENTS —*RADIO*

Acme Wire Co., 2-3-5	New Haven 14	Conn
Allen Co., Inc., L.B., 2-3-5	9329 W. Bernice, Schiller Park	Ill
Ambroid Co., 1-2-3-4-5	P.O. Box 30, Weymouth 88	Mass
Amerconda Chemical Co., 1-2-3-4-5	170 Broadway, New York 38	NY
American-Marietta Co., 2-5	3400 13 Ave, S.W., Seattle 4	Wash
American Products Mfg. Co., Inc., 1-3-5	8127-33 Oleander St, New Orleans 18	La
Aries Laboratories, Inc., 2	225 Greenwich Ave, Stamford	Conn
Armstrong Cork Co., 2-3-5	Lancaster	Pa
Armstrong Products Co., 2	P.O. Box 1-EB, Warsaw	Ind
Bacon Industries, Inc., 2	192 Pleasant St, Watertown 72	Mass
Baldwin-Lima Hamilton Corp., 2-3-5	42 Fourth Ave, Waltham 54	Mass
Barrett Varnish Co., 3	1532 S. 50 Court, Cicero 50	Ill
Biggs Co., Inc., Carl H., 1-2-5	1547 14th St, Santa Monica	Cal
Biwax Corp., 2	3445 Howard St, Skokie	Ill
Borden Chemical Co., Div., Borden Co., 1-2-3-5	350 Madison Ave, New York 17	NY
Carboline Co., 1-2-3-5	32 Hanley Industrial Ct, St. Louis 17	Mo
Central Coil Co., 3	1722 N. Luett St, Indianapolis	Ind
Chemical Development Corp., 1-2-3-5	Endicott St, Danvers	Mass
Colman Electronic Products, Inc., 3	P.O. Box 2965, Amarillo	Tex
Connecticut Hard Rubber Co., 4	407 East St, New Haven 9	Conn
Cox & Co., Inc., 2	115 E. 23rd St, New York 10	NY
Daubert Chemical Co., 3-5	4700 S. Central Ave, Chicago 38	Ill
DOW CORNING CORP., 4, Adv. Pgs. 238, 239	**Midland**	**Mich**
du Pont de Nemours & Co., Inc., E.I., 1-3-5	Wilmington 98	Del
Electronic Components Div., Telecomputing Corp., 2	14706 Arminta St, Van Nuys	Cal
Electronic Production & Development, Inc., 2-3-5	501 N. Prairie Ave, Hawthorne	Cal
Electroparts, 3-5	P.O. Box 1137, Glendale	Cal
Emerson & Cuming, Inc., 2-3-5	869 Washington St, Canton	Mass
EPOXY PRODUCTS, INC., 2, Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Flexrock Co., 2-5	3608 Filbert St, Philadelphia 1	Pa
Franklin Fibre Lamitex Corp., 2-3	P.O. Box 1768, Wilmington	Del
Fuller Co., H.B., 1-2-3-5	255 Eagle St, St. Paul 2	Minn
Furane Plastics, Inc., 1-2-5	4516 Brazil St, Los Angeles 39	Cal
G-C ELECTRONICS CO., 2-3-4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Electric Co., Silicone Prods Dept., 4	Dept A, Waterford	NY
Goodrich Aviation Products, B.F., Div of B.F. Goodrich Co., 3	Akron	Ohio
Goodrich Industrial Products Co., B.F., 1-5	500 S. Main St, Akron 18	Ohio
Goodyear Tire & Rubber Co., Chemical Div., 3	1144 E. Market St, Akron 16	Ohio
Hastings Plastics, Inc., 2	1551 12th St, Santa Monica	Cal
Hysol Corp., 2-3	Olean	NY
Insulation Manufacturers Corp., 2-4	565 W. Washington Blvd, Chicago 6	Ill
Isochem Resins Co., 1-2-3-4-5	221 Oak St, Providence 9	RI
Johns-Manville, 1-2-3-4-5	22 E. 40 St, New York 16	NY
Johns-Manville Dutch Brand Div., 1-3-5	7800 Woodlawn Ave, Chicago 19	Ill
Koppers Co., Inc., 5	Koppers Bldg, Pittsburgh 19	Pa
Krylon, Inc., 3	Ford & Washington, Norristown	Pa
Lam-Ply Inc., 1-2-3-5	Railroad Sq, Nashua 5	NH
Maas & Waldstein Co., 3	2121 McCarter Hwy, Newark 4	NJ
Mansol Ceramics Co., 2	140 Little St, Belleville	NJ
Marblette Corp., 2	37-21-30th St, Long Island City 1	NY
Metachem Resins Corp., 1-2-3-4	530 Wellington Ave, Cranston 10	RI
MICO INSTRUMENT CO., 3, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Minnesota Mining & Mfg. Co., 2-3-5	900 Bush Ave, St. Paul 6	Minn
Morningstar-Paisley, Inc., 3	630 W. 51st St, New York 19	NY
Moyen Co., C.P., 1-2-3-4-5	8157 Monticello Ave, Skokie	Ill
Mystik Adhesive Products, Inc., 2-3-4-5	2635 N. Kildare, Chicago	Ill
Narmco Materials Div., Sub., Telecomputing Corp., 2-3-4-5	600 Victoria St, Costa Mesa	Cal
National Engineering Products, Inc., 2	435 Washington Bldg, Washington 5	DC
New England Tape Co., Div., United-Carr Fastener Corp., 2-3	10 Tower St, Hudson	Mass
Permacel Tape Corp., 1-2-3-5	U.S. Hwy 1, New Brunswick	NJ
Philadelphia Quartz Co., 3	1146K Public Ledger Bldg, Phila 6	Pa
Pierce & Stevens Chemical Corp., 2-3-4	710 Ohio St, Buffalo 3	NY
Plastics & Coal Chemicals Div., Allied Chemical Corp., 1-5	40 Rector St, New York 6	NY
Polymer Industries, Inc., 2-3	Springdale	Conn
Products Research Co., 2-4	3126 Los Feliz Blvd, Los Angeles 39	Cal
Raybestos-Manhattan, Inc., 1-5	61 Willett St, Passaic	NJ
Reichhold Chemicals, Inc., 2-3-5	525 N. Broadway, White Plains	NY
Robins Industries Corp., 3	36-27 Prince St, Flushing 54	NY
Rubber & Asbestos Corp., 1-2-3-5	225 Belleville Ave, Bloomfield	NJ
Rubbercraft Corp of California, 4	1800 W. 220 St, Torrance	Cal
Sauereisen Cements Co., 1-3-5	Sauereisen Bldg, Pittsburgh 15	Pa
Schjeldahl Co., G.T., 2-3-5	P.O. Box 170, Northfield	Minn
Shell Chemical Co., Plastics & Resins Div., 2	110 W. 51st St, New York 20	NY
Sparta Mfg. Co., 2	P.O. Box 107, Dover	Ohio
Spectra-Strip Wire & Cable Corp., 1-5	P. O. Box 415, Garden Grove	Cal
Stalwart Rubber Co., 4	160 Northfield Rd, Bedford	Ohio
Sterling Varnish Co., 2	Haysville Borough, Sewickley	Pa
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
Topper Mfg. Co., Inc., 1-2-3-4-5	84-56 Parsons Blvd, Jamaica 32	NY
Trancoa Chemical Corp., 1-2-3-5	312-326 Ash St, Reading	Mass
Trionics Corp., 1-2-3-4-5	P. O. Box 548, Madison 1	Wisc
U B S Chemical Co., Div., A.E. Staley, 3-5	491 Main St, Cambridge	Mass
United Shoe Machinery Corp., 1-3-5	140 Federal St, Boston 7	Mass
U.S. Rubber Co., 1-3-5	1230 Ave of the Americas, New York 20	NY
Vorac Co., 1-2	147 Meadow Rd, Rutherford	NJ
WALSCO ELECTRONICS MFG. CO., 3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Westline Products Div., Western Litho. Co., 3-5	600 E. 2nd St, Los Angeles 54	Cal
Zophar Mills, Inc., 5	115 26th St, Brooklyn 32	NY

ADHESIVE TAPE *See* TAPES —*GENERAL PURPOSE*
ADMITTANCE BRIDGES *See* BRIDGES
ADP CRYSTALS *See* CRYSTAL BLANKS: CRYSTALS —*PIEZOELECTRIC*
A-F AMPLIFIER ANALYZERS *See* ANALYZERS —*A-F AMPLIFIER*
A-F AMPLIFIERS *See* AMPLIFIERS — A-F
A-F ATTENUATORS *See* ATTENUATORS
A-F CABLES *See* CABLES —*SHIELDED:* CABLES —*UNSHIELDED*
A-F CALIBRATORS *See* CALIBRATORS —*FREQUENCY*
A-F EQUALIZERS *See* FILTERS —*EQUALIZER*
A-F INDUCTANCE BRIDGES *See* BRIDGES
A-F OSCILLATORS *See* OSCILLATORS — A-F
A-F POWER MONITORS *See* MONITORS —*POWER*

A-F SIGNAL GENERATORS See GENERATORS –*SIGNAL*
A-F TRANSFORMERS See TRANSFORMERS –*IRON-CORE*
AGING RACKS See RACKS-AGING
AIRBORNE PRESSURIZATION UNITS See PRESSURIZATION UNITS
AIR CLEANERS See CLEANERS-AIR
AIR CLEANING FILTERS See FILTERS
AIR-CORE TRANSFORMERS See TRANSFORMERS –*AIR-CORE*
AIRCRAFT ANTENNAS See ANTENNAS
AIRCRAFT AUTOPILOTS See AUTOPILOTS
AIRCRAFT COMMUNICATION SYSTEMS See COMMUNICATION SYSTEMS
AIRCRAFT RECEIVERS See RECEIVERS –*RADIO COMMUNICATION*
AIRCRAFT TRANSCEIVERS See TRANSCEIVERS –*AIRBORNE*
AIRCRAFT TRANSMITTERS See TRANSMITTERS –*RADIO COMMUNICATION*
AIR CYLINDERS See CYLINDERS –*AIR*
AIR-PARTICLE MONITORS See MONITORS –*RADIOACTIVITY*
AIRPORT TRAFFIC CONTROL SYSTEMS See COMMUNICATION SYSTEMS
ALARM SYSTEMS See DETECTORS –*FIRE*; DETECTORS –*INTRUSION*; DETECTORS –*SMOKE*
ALARMS See ANNUNCIATORS
ALKYD POLYESTERS See PLASTICS
ALLIGATOR CLIPS See CLIPS –*TEST*
ALLOY CASTINGS See CASTINGS
ALLOYS See BERYLLIUM COPPER, *BRASS, BRONZE, COEFFICIENT METALS, GOLD, NICKEL, PHOSPHOR BRONZE, SILVER, STAINLESS STEEL*

ALLOYS –*BRAZING*

All-State Welding Alloys Co., Inc	249 Ferris Ave, White Plains	NY
Allen Co., Inc., L.B.	9329 W. Bernice, Schiller Park	Ill
American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Chase Brass & Copper Co., Inc	235 Grand St, Waterbury 20	Conn
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Greenfield Components Corp	184 Shelburne St, Greenfield 16	Mass
HANDY & HARMAN, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
International Nickel Co., Inc	67 Wall St, New York 5	NY
Johnson Matthey & Mallory Ltd	110 Industry St, Toronto, Ontario, Canada	
Johnson Mfg. Co., Inc	Mt. Vernon	Iowa
LEACH & GARNER CO., INDUSTRIAL DIV., Adv Pg 531	**Attleboro**	**Mass**
Mitronics, Inc	1290 Central Ave, Hillside	NJ
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Standard Metals Corp	Broad & Whiting St, North Attleboro	Mass
Tricon Mfg. Co	8012 S. Wallace St, Chicago 20	Ill
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co	525 Harbor Blvd, Belmont	Cal
Wildberg Bros Smelting & Refining Co	742 Market St, San Francisco 2	Cal

ALLOYS –*SPECIAL PURPOSE*
1. HIGH-PERMEABILITY 2. METAL-TO-GLASS 3. RESISTANCE-RESISTANCE ALLOY WIRE: See WIRE –*BARE 4. SEMICONDUCTOR DOPING 5. THERMOCOUPLE-THERMOCOUPLE WIRE:* See WIRE –*THERMOCOUPLE*

Accurate Specialties Co., Inc., 2-4	37-11 57 St, Woodside 77	NY
Allegheny Ludlum Steel Corp., 1-2-3	2020 Oliver Bldg, Pittsburgh 22	Pa
Allied Record Mfg. Co., 2	6916 Santa Monica Blvd, Hollywood	Cal
Alloys Unlimited, Inc., 2-4	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 2-4	600 Water St, Jersey City	NJ
Anchor Metal Co., The, 4	966 Meeker Ave, Brooklyn 22	NY
Armco Steel Corp., 1	703 Curtis St, Middletown	Ohio
ARNOLD ENGINEERING CO., 1, Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Associated Engineering & Mfg. Corp., 2	Glen Ridge	NJ
Bishop & Co., J., Platinum Works, 2-5	Malvern	Pa
Bram Metallurgical Chemical Co., 1-3-4	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 2	30 Grand St, Bridgeport	Conn
CARBORUNDUM CO., LATROBE PLANT, 2, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Carpenter Steel Co., 1-2-3	6th & Washington, Reading	Pa
Cerro De Pasco Sales Corp., 2	300 Park Ave, New York 22	NY
Composite Industrial Metals, Inc., 4	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd., 2-4	215 St. James St W., Montreal, Canada	
CONSOLIDATED REACTIVE METALS, INC., 2-3-4, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
CRUCIBLE STEEL CO OF AMERICA, 1-2-3, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Deutsch Co., Electronic Components Div., 2	Municipal Airport, Banning	Cal
Division Lead Co., 2	7742 W. 61st Pl, Summit	Ill
DRIVER CO., WILBUR B., 2-3-5, Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co., 1-2-3-5	202 Middlesex St, Harrison 13	NJ
Engelhard Industries, Inc., 3	113 Astor St, Newark 2	NJ
Fredericks Co., 2-5	Bethayres	Pa
Greenfield Components Corp., 2	184 Shelburne St, Greenfield 16	Mass
Hamilton Watch Co., Precision Metals Div., 1	Lancaster	Pa
HOSKINS MFG. CO., 3-5, Adv Pg 299	**4445 Lawton Ave, Detroit 8**	**Mich**
Indium Corp of America, 2-4	1676 Lincoln Ave, Utica 4	NY
Kanthal Corp., 3-5	Amelia Pl, Stamford	Conn
LEACH & GARNER CO., INDUSTRIAL DIV., 4, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 4	198 Broadway, New York 38	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Materials for Electronics, Inc., 4	152-25 138 Ave, Jamaica 34	NY
Metaplast Co., Inc., 2	34-51 56th St, Woodside	NY
NEY CO., J.M., 3-4, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Quality Products Co., 2	387 Charles St, Providence 4	RI
Republic Steel Corp., 1	Republic Bldg, Cleveland 1	Ohio
Revere Copper & Brass, Inc., 2	230 Park Ave, New York 17	NY
Riverside-Alloy Metal Div., H.K. Porter., Inc., 3	1 Pavilion Ave, Riverside	NJ
SCIENTIFIC ELECTRONIC LABS., INC., 2, Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sel-Rex Corp., 4	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc., 4	550 S. Fulton Ave, Mt. Vernon	NY
Smith Mfg. Co., Inc., E.C., 5	Forrest & Hector Sts, Conshohocken	Pa
Standard Metals Corp., 2	Broad & Whiting St, North Attleboro	Mass
Summit Industries, Inc., 2	2114 W. Rosecrans Ave, Gardena	Cal
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
Var-Lac-Oid Chemical Co., 1-3-4-5	116 Broad St, New York 4	NY
Wallingford Steel Co., 1-2	Valley St, Wallingford	Conn
West Instrument Corp., 5	4363 W. Montrose, Chicago 41	Ill
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 2	525 Harbor Blvd, Belmont	Cal

ALLOYS –*THERMOSTATIC* See BI-METALS
ALL-WAVE RECEIVERS See RECEIVERS –*RADIO, ENTERTAINMENT*
ALLYLS See PLASTICS
ALNICO See MAGNETS –*PERMANENT*
ALTERNATING CURRENT See A-C LISTINGS
ALTERNATORS See CONVERTERS: INVERTERS

ALTIMETERS –*ELECTRONIC*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Bell Aircraft Corp.	P.O. Box 1, Buffalo 5	NY
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Specialties, Inc	Skunks Misery Rd, Syosset	NY
Sylvania Electronic Systems	63 Second Ave, Waltham	Mass
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

ALTITUDE CHAMBERS See CHAMBERS
ALTITUDE SWITCHES See SWITCHES

ALUMINIZERS –*VACUUM*

Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
Vacuum Specialties Co	34 Linden St, Somerville	Mass
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**

ALUMINUM
1. FOIL 2. POWDERED 3. SHEETS, BARS & RODS-TUBING: See TUBING –*METALLIC 4. SHEETS, PLASTIC COATED OR LAMINATED-WIRE:* See WIRE –*BARE*

Accurate Specialties Co., Inc., 1	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-3	21-03 43rd Ave, Long Island City 1	NY
Aluminum Co of America, 1-2-3-4	Alcoa Bldg, Pittsburgh 19	Pa
American Smelting & Refining Co., 3	120 Broadway, New York 5	NY
Amflex Products Dept., Amer Mach & Fdry. Co., 4	689 Hope St, Springdale	Conn
Anaconda Aluminum Co., 1-3	1430 S. 13 St, Louisville	Ky
Anaconda American Brass Co., 3	414 Meadow St, Waterbury 20	Conn
Anchor Metal Co., The, 1	966 Meeker Ave, Brooklyn 22	NY
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 3	30 Grand St, Bridgeport	Conn
Chase Brass & Copper Co., Inc., 3	236 Grand St, Waterbury 20	Conn
Composite Industrial Metals, Inc., 1-4	235 Georgia Ave, Providence 5	RI
Dow Chemical Co	Midland	Mich
General Plastics Corp., 4	P.O. Box 1689, Paterson	NJ
Laminated Shim Co., Inc., 4	4601 Union St, Glenbrook	Conn
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Mirro Aluminum Co., 1	Manitowoc	Wisc
Naz-Dar Co., 2	465 Milwaukee Ave, Chicago 10	Ill
Northern Plastics Corp., 4	Second & Market Sts, LaCrosse	Wisc
Paul & Stein Bros., Inc., F.H., 1-4	235 Fifth Ave, New York 16	NY
REF Mfg. Co., 4	Jericho Trnpk, Mineola	NY
Rea Magnet Wire Co., Inc., 1	3610 E. Pontiac St, Fort Wayne	Ind
REPUBLIC FOIL INC., 1, Adv Pg 406	**55 Triangle St, Danbury**	**Conn**
Revere Copper & Brass, Inc., 1-3-4	230 Park Ave, New York 17	NY
Reynolds Metals Co., 1-2-3	P.O. Box 2346 ZE, Richmond 18	Va
Rome Cable Div of Alcoa, 3	Ridge St, Rome	NY
Ryerson & Son, Inc., J.T., 3	2558 W. 16th St, Chicago 8	Ill
Semi-Alloys, Inc., 1	550 S. Fulton Ave, Mt. Vernon	NY
Standard Metals Corp., 1	Broad & Whiting St, North Attleboro	Mass
Staver Co., Inc., 4	41 N. Saxon Ave, Bay Shore	NY
Taylor Fibre Co., 4	Norristown 51	Pa
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 1-4, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Vitro Corp of America, 2	261 Madison Ave, New York 16	NY
Wellington Electronics, 1	65 Honeck St, Engelwood	NJ
ZIPPERTUBING CO., 1-4, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

ALUMINUM OXIDE
1. GRANULAR OR POWDERED 2. METALLIZED 3. MOLDED PARTS 4. RODS-TUBING: See TUBING –*NONMETALLIC*

Aceto Chemical Co., Inc., 1	40-40 Lawrence St, Flushing 54	NY
Alite Div., U.S. Stoneware Co., 2-3-4	P.O. Box 119, Orrville	Ohio
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
AMERICAN FELDMUEHLE CORP., 2-3, Adv Pg 438	**11 W. 42nd St, New York 36**	**NY**
AMERICAN LAVA CORP., 3-4, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Bio-Rad Laboratories	1257 S. 32nd St, Richmond	Cal
CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
CARBORUNDUM CO., LATROBE PLANT, 2-3-4, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Chemtronics Inc., 1	870 E. 52nd St, Brooklyn 3	NY
Cooper Development Corp., 3	2626 S. Peck Rd, Monrovia	Cal
Coors Porcelain Co., 2-3-4	600 Ninth St, Golden	Colo
Culbertson Products, Inc., 2	25 Samson Ave, Madison	NJ
Diamonite Products Mfg. Co., 3-4	Shreve	Ohio
Duramic Products, Inc., 1-3-4	426 Commercial Ave, Palisades Park	NJ
Frenchtown Porcelain Co., 2-3-4	Frenchtown	NJ
Geoscience Instruments, Inc., 1	425 Park Ave, New York 22	NY
Gladding, McBean & Co., 2-3-4	1551 S. Primrose St, Monrovia	Cal
Gulton Industries, Inc., 1-3	212 Durham Ave, Metuchen	NJ
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kirchberger & Co., Inc., M., 3	248 Humphrey St, Englewood	NJ
A. D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 1-2-3-4	152-25 138 Ave, Jamaica 34	NY
Mitronics, Inc., 3-4	1290 Central Ave, Hillside	NJ
National Beryllia Corp., 2-3-4	4501 Dell Ave, North Bergen	NJ
Norton Co., 1-3-4	1 New Bond St, Worcester 6	Mass

SHAW INSTRUMENT CORP., 2, Adv Pg 527	**P.O. Box G-46, Latrobe**	**Pa**
SUPERIOR STEATITE & CERAMIC CORP., 3, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Topper Mfg. Co., Inc., 1	84-56 Parsons Blvd, Jamaica 32	NY
Var-Lac-Oid Chemical Co., 2	116 Broad St, New York 4	NY
Vitro Corp of America, 1	261 Madison Ave, New York 16	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 3-4	525 Harbor Blvd, Belmont	Cal

A-M AMPLIFIERS See AMPLIFIERS
A-M ANTENNAS See ANTENNAS
AMATEUR RADIO ANTENNAS See ANTENNAS —*COMMUNICATION*
AMATEUR RECEIVERS See RECEIVERS —*RADIO COMMUNICATION*
AMATEUR TRANSMITTERS See TRANSMITTERS —*RADIO COMMUNICATION*

AMMETERS

1. A-C. RECTIFIER-TYPE 2. A-C. THERMOCOUPLE-TYPE 3. CLAMP-ON TYPE (SNAP-ON) A-C & D-C 4. CONTACT-MAKING A-C & D-C 5. D-C 6. MICROAMMETERS 7. MICROMICROAMMETERS 8. MILLIAMMETERS, A-C 9. MILLIAMMETERS, D-C 10. MILLIAMMETERS, D-C CLIP-ON 11. R-F 12. S-METERS

AEG, 1-2-3-4-5-6-8-9	Hochhaus Sued, Frankfurt/Main, Germany	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-6-8-9, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
ALCO ELECTRONIC PRODUCTS, INC., 6-9-12, Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
Allen Electric & Equipment Co., 6-8-9-10	2101 N. Pitcher St, Kalamazoo	Mich
Assembly Products, Inc., 1-2-4-5-6-8-9	75 Wilson Mills Rd, Chesterland 6	Ohio
B & K Instruments, Inc., 7	3018 W. 106th St, Cleveland 11	Ohio
BALLANTINE LABORATORIES, INC., 8-11, Adv Pg 59	**Boonton**	**NJ**
Beede Electrical Inst Co., Inc., 1-6-8-9-12	Penacook	NH
Bell, Inc., F.W., 6	1356 Norton Ave, Columbus 12	Ohio
Belleville-Hexem Corp., 5-6-7-9	638 University Ave, Los Gatos	Cal
Biddle Co., James G., 6	1316 Arch St, Philadelphia 7	Pa
BOONTON ELECTRONIC CORP., 7, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
Bristol Co., 8-9	P.O. Box 1790EBG, Waterbury 20	Conn
Bruel & Kjaer, 6-7-8	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 3	460 W. 34 St, New York 1	NY
Calibration Standards Corp., 5-6-7-9	1130 W. Fifth Ave, Pomona	Cal
Canadian Research Institute, 1-2-3-4-5-6-8-9-11	46 St. George St, Toronto 5, Ontario, Canada	
Columbia Electric Mfg. Co., 3	4519 Hamilton Ave N.E., Cleveland 14	Ohio
CURTISS-WRIGHT CORP., PRINCETON DIV., 7, Adv Pg 75	**Princeton**	**NJ**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 4, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
DEJUR-AMSCO CORP., 5-6-8-9, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
DYNATRAN ELECTRONICS CORP., 7, Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
E-H RESEARCH LABORATORIES, INC., 4-5-6-7-8-9, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Elcor, Inc., 7	1225 W. Broad St, Falls Church	Va
The Electric Autolite Co., 5	Champlain St, Toledo 1	Ohio
Electric Design & Mfg. Corp., 1-5-6-8-9	Burlington	Iowa
Electro-Mechanical Instrument Co., 5-6-8-9	813 Chestnut St, Perkasie	Pa
Esterline-Angus Co., Inc., 1-4-5-6-9	P.O. Box 596, Indianapolis 6	Ind
Epic, Inc., 3-8-9	150 Nassau St, New York 38	NY
Evershed & Vignoles Ltd., 1-4-5-8-9	Chiswick, London W. 4, England	
Fredericks Co., 2-11	Bethayres	Pa
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 3-4-5-6-8-9, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL METERS, INC., 1-2-3-5-6-8-9-10-12, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 6-7, Adv Pg 285	**West Concord**	**Mass**
Greibach Instruments Corp., 2-5-6-8-9	315 North Ave, New Rochelle	NY
Gyra Electronics Corp., 7	P.O. Box 184, La Grange	Ill
Halex, Inc., 7	310 E. Imperial Hwy, El Segundo	Cal
Helipot Div., Beckman Instruments, Inc., 1-4-6-8-9	2500 Fullerton Rd, Fullerton	Cal
HEWLETT-PACKARD CO., 3-6-7-9-10, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 1-2-3-4-5-6-7-8-9-11	10514 Dupont, Cleveland 8	Ohio
HOYT ELECTRICAL INSTRUMENT WKS., INC., 5-6-8-9-10-12, Adv Pg 534	**42 Carleton St, Cambridge 42**	**Mass**
IDEAL PRECISION METER CO., INC., 1-2-5-6-8-9-11-12, Adv Pg 460	**214 Franklin St, Brooklyn 22**	**NY**
Industrial Control Co., 7	Central at Pinelawn, Farmingdale	NY
Interlab, Inc., 1-5-8-9-10	437-5th Ave, New York 16	NY
International Instruments, Inc., 4-6-9-11	P.O. Box 2954, New Haven 15	Conn
Keithley Instruments, Inc., 5-6-7	12415 Euclid Ave, Cleveland 6	Ohio
KIN TEL DIV., COHU ELECTRONICS, 5-6-7-9-10, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Knight Electronics, 12	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd., 1-2-3-6-8-9-11-12	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Leeds & Northrup Co., 6-7	4970 Stenton Ave, Philadelphia 44	Pa
Marion Instrument Div., Minneapolis-Honeywell Regulator Co., 5-6-8	Grenier Field, Manchester	NH
Martindale Electric Co., 3	Edgewater Branch, Box 617, Cleveland 7	Ohio
MEASUREMENTS RESEARCH CO., 6, Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
Meters, Inc., 1-5-6-8-9	5353 N. Keystone Ave, Indianapolis 20	Ind
Micromag Instrument Corp., 6	115 Halleck St, Roxbury	Mass
MID-EASTERN ELECTRONICS, INC., 7, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Milliyac Instruments Div. Cohu Electronics Inc 6-7	2315 Second Ave, Schenectady	NY
Multi-Products Co., 12	21470 Coolidge Hwy, Oak Park	Mich
National Electronics, 1-2-4-5-6-8-9-11	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co., 2-5-8-9-10	238 Main St, Cambridge 42	Mass
Ohmart Corp., 7	2236 Bogen St, Cincinnati	Ohio
Pace Electrical Instruments Co., Inc., 1-6-8-9	70-31 84 St, Glendale 27	NY
PHYSICS RESEARCH LABS., INC., 5-6-8-9-10, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
PRECISION APPARATUS CO., INC., 1-5-6-8-9, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Pyramid Instrument Corp., 3	630 Merrick Rd, Lynbrook	NY
Q.V.S., Inc., 6-8-9-10	20 N. 15th St, East Orange	NJ
Quan-Tech Laboratories, Inc., 3-6	60 Parsippany Blvd, Boonton	NJ
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 7, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAWSON ELECTRICAL INSTRUMENT CO., 2-5-6-7-8-9-11, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Sangamo Electric Co., 5	1201 N. 11 St, Springfield	Ill
SENSITIVE RESEARCH INSTRUMENT CORP., 2-5-8-9-11, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SHALLCROSS MFG. CO., 6-8-9-10, Adv Pg 148	**Selma**	**NC**
Shurite Meters, 5-8-9	130 Wallace St, New Haven 8	Conn
Simpson Electric Co., Div., American Gage & Machine Co., 1-2-4-5-6-8-9-11	5218 W. Kinzie St, Chicago 44	Ill
SORENSEN & CO., INC., 5-6, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Stark Electronic Instr, Ltd., 1-2-5-6-7-8-9-11-12	P.O. Box 670, Ajax, Ontario, Canada	
Sterling Mfg. Co., 5-6-7-8-9	7201 Wentworth, Cleveland 2	Ohio
STICHT CO., INC., HERMAN H., 3, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sun Electric Co., 1-2-5-6-8-9-11	6323 Avondale St, Chicago 31	Ill
Technique Assoc, Div., Duncan Electric, 4	1413 N. Cornell Ave, Indianapolis	Ind
TELECTRO INDUSTRIES CORP., 1-5, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 8-9	3609 Buffalo Spdwy, Houston 6	Tex
Thermovolt Instruments, Ltd., 1-2-3-4-5-6-7-8-9-10	70 Advance Rd, Toronto 18, Ontario, Canada	
Tricon Mfg. Co., 4	8012 S. Wallace St, Chicago 20	Ill
Triplett Elec Instrument Co., 1-2-3-5-6-8-9-10-11	Harmon Rd, Bluffton	Ohio
U. S. Nuclear Corp., 7	801 N. Lake St, Burbank	Cal
Van Norman Industries, Elect Div., 4-5-6-7-8-9	186 Granite St, Manchester	NH
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., 7, Adv. Pgs. 260, 368	**5806 Hough Ave, Cleveland 3**	**Ohio**
Voltron Products, 1-4	1020 S. Arroyo Pkwy, Pasadena	Cal
Wac Line, Inc., 1-2-4-5-6-7-8-9-11	35 S. St. Clair St, Dayton 2	Ohio
Waldom Electronics, Inc., 1-6-7-8-9-10-11	4621 W. 53rd St, Chicago 32	Ill
Welch Scientific Co., W.M., 5-6-7-8-9-10	1515 Sedgwick St, Chicago 10	Ill
West Instrument Corp., 9	4363 W. Montrose, Chicago 41	Ill
WESTINGHOUSE ELECTRIC CORP., 1-2-4-5-6-8-9-11, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc., 1-2-5-6-8-9-11	40 North St, New York 13	NY

AMPLIFIERS – A-F

1. GENERAL-PURPOSE (Incl. HIGH-FIDELITY) 2. INPUT SYSTEMS (Incl. A-F MIXERS AND PORTABLE BROADCAST STATION INPUT CONTROLS) 3. LIMITING 4. LINE 5. MUSICAL INSTRUMENT 6. NARROW-BAND 7. POWER 8. PREAMPLIFIERS, MONAURAL 9. PREAMPLIFIERS, STEREO 10. SOUND RECORDING 11. STEREO 12. SUBMINIATURE (EXCEPT HEARING AIDS) See Also CONSOLES – A-F CONTROL

AC Electronics, Inc., 6	11725 Mississippi Ave, Los Angeles 25	Cal
ACF Electronics Div., 12	Riverdale	Md
Acro Products Co., 1-2-5-7-9-10-11	410 Shurs Ln, Philadelphia 28	Pa
ACTON LABS, INC., 7, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adrafters Co., 1-2	325 W. Huron St, Chicago 10	Ill
Aeroflex Corp., 7-8	34-06 Skillman Ave, Long Island City 1	NY
Aerovox Corp., 8-10	740 Belleville Ave, New Bedford	Mass
Airborne Accessories Corp., 7-8	1414 Chestnut Ave, Hillside	NJ
Airesearch Mfg. Co of Ariz., 7	402 S. 36 St, Phoenix	Ariz
Airmec Ltd., 1-7-11	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 7-8, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtronics International Corp., 4	P.O. Box 8576, Fort Lauderdale	Fla
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 7, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Allied Radio Corp., 1-5-8-9-11	100 N. Western Ave, Chicago 80	Ill
Alto Fonic Corp., 7	981 Commercial St, Palo Alto	Cal
American Development Electronics Co., 1-7	212 Central Ave, Newark	NJ
American-Monarch Corp., 1-7	2801 37 Ave N.E., Minneapolis 18	Minn
American Research & Mfg. Corp., 3-7	920 Halpine Ave, Rockville	Md
Amplifier Corp of America, 1-3-7-9-10-11	396 Broadway, New York 13	NY
Amplivox Ltd., 12	Beresford Ave, Wembley, Middlesex, England	
Antennavision, Inc., 4-6-8	2949 W. Osborn Rd, Phoenix	Ariz
Antlab, Inc., 6	6330 Proprietors Rd, Worthington	Ohio
APPLIED ELECTRONICS CORP OF N.J., 8 Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardente Acoustic Laboratories, Ltd., 12	8/12 Minerva Rd, London N.W. 10, England	
ATLAS CONTROLS INC., 7, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Audio Equipment Co., Inc., 1-7-8	75 Harbor Rd, Port Washington	NY
Audiofax Associates, Inc., 2	P.O. Box 861, Stony Brook	NY
Audiotronics Corp., 1-11	11057 Weddington St, N. Hollywood	Cal
Aurex Corp., 12	315 W. Adams St, Chicago 6	Ill
Autocrat Electronics Co., 1-11	5024 Elm St, Skokie	Ill
Automated Circuits Inc., 12	P.O. Box 38, Station J, Buffalo 8	NY
Avionics Corp., 1-7-11-12	Maple Ave & Horsham Rd, Horsham	Pa
B & K Instruments, Inc., 6	3018 W. 106th St, Cleveland 11	Ohio
Bach Auricon, Inc., 10	6924 Romaine St, Hollywood 38	Cal
Baldwin Piano Co., 8	1801 Gilbert St, Cincinnati 2	Ohio
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
BEHLMAN ENGINEERING CO., 7, Adv Pg 533	**2911 Winona Ave, Burbank**	**Cal**
Bell & Howell Co	7100 McCormick Rd, Chicago 45	Ill
Bell Sound Div., TRW, Inc., 1-11	555 Marion Rd, Columbus	Ohio
Bellaire Electronics, Inc., 7	62 White St, Red Bank	NJ
Bennett Laboratories, Inc., 1-4-8	4224 Holden St, Emeryville 8	Cal
Bergen Labs., Inc., 11	60 Spruce St, Paterson	NJ
Bogen-Presto Div., Siegler Corp., 1-2-7-9-10-11	P.O. Box 500, Paramus	NJ
Boulevard Electronics, Inc., 1-8-11	1229 W. Washington Blvd, Chicago	Ill
Brach Mfg. Corp., 3-7	200 Central Ave, Newark	NJ
Braun, Max, 9-11	Ruesselsheimerstr 22, Frankfurt/M, Germany	
Browning Labs., Inc., 1	100 Union Ave, Laconia	NH
Bruel & Kjaer, 1-6-8-10	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 12	460 W. 34 St, New York 1	NY
C.E.S. Electronic Products, Inc., 1-6-8	P.O. Box 7504, San Diego 7	Cal
CG Electronics Corp., 7	15000 Central E., Albuquerque	NM
Cadre Industries Corp., 1-7-8-9-11-12	P. O. Box 150, Endicott	NY
Calbest Electronics Co., 8-9-11	4801 Exposition Blvd, Los Angeles 16	Cal
Canadian Research Institute, 1-2-7	46 St. George St, Toronto 5, Ontario, Canada	
Carruthers & Fernandez, Inc	1501 Colorado Ave, Santa Monica	Cal
Central Dynamics Ltd., 12	147 Hymus Blvd, Pte. Claire, Quebec, Canada	

Central Electronics, Inc., 3	1247 W. Belmont Ave, Chicago 13	Ill
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 12, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Centronix, Inc., 3	4000 N.W. 28th St, Miami 42	Fla
Channel Master Co., 1-8-9-11	Ellenville	NY
CHESAPEAKE INSTRUMENT CORP., 1-8-12, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Chisholm Industries, Ltd., 7-8-9-11	Electronic St, Port Moody, B.C. Canada	
Cinema Engineering Div., Aerovox Corp., 2-4	1100 Chestnut St, Burbank	Cal
Cleveland Metal Specialties Co., 12	1783 East 21st St, Cleveland 14	Ohio
Coils-Electronics Co., 1-5	2939-49 N. 2nd St, Philadelphia 33	Pa
Collins Radio Co., 3	855 35 St N.E., Cedar Rapids	Iowa
Communication Equipment & Engrg, 1-3-4-7-8	5648 W. Race Ave, Chicago	Ill
COMMUNICATION MEASUREMENTS LAB., INC., 6-7, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Continental Electronics Mfg. Co., 7	4212 S. Buckner Blvd, Dallas 27	Tex
Continental Manufacturing, Inc., 1-11-12	1612 California St, Omaha	Neb
CONTROL ELECTRONICS CO., INC., 6-8, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
CROSBY TELECTRONIC LAB., INC., 9-11, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Crown Internat'l Div., Int. Rad & El Corp., 1-11	Box 261, Elkhart	Ind
Dalmo Victor Co., Div., Textron, Inc., 12	1515 Industrial Way, Belmont	Cal
DAVEN CO., 2-3-4-6-10-12, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 6, Adv Pg 467	**Drawer 2666, Jackson**	**Miss**
Deltron, Inc., 1-7-8-9-11	4th & Cambria, Philadelphia 33	Pa
Denson Electronics Corp., 1	P.O. Box 85, Rockville	Conn
Designers for Industry, 1-12	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 1-7-8	1933 N. Damen, Chicago 47	Ill
Dominion Electrohome Industries Ltd., 1-8-9-11	283 Duke St W. Kitchener, Ontario, Canada	
Doty Acoustical Electronic Labs., 1-7-8-12	Tobyhanna	Pa
Dukane Corp., 1-3-4-8	St. Charles	Ill
Dynaco, Inc., 1-7-8-9-11	3912 Powelton Ave, Philadelphia 4	Pa
Dynamic Electronics, Capehart Corp., 1-2-3-4-6-7-8-9-10-11	87-46 123 St, Richmond Hill 18	NY
Dynamics Instrumentation Co., 4-6	1118 Mission, S. Pasadena	Cal
Dytronics, 6	P.O. Box 3676, Columbus 14	Ohio
EMI-COSSOR ELECTRONICS LTD., 1-4-7-8-9-10-11, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
ELECTRIC REGULATOR CORP., 1-7-8, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-6-8	3540 Aero Ct, San Diego	Cal
Electro Precision Corp., 7	P.O. Box 669, Arkadelphia	Ark
Electrodynamic Instrument Corp., 1-6-7	1841 Old Spanish Trail, Houston 25	Tex
Electromation Co., 10	1646 18th St, Santa Monica	Cal
Electron, 1-8	P.O. Box 8, Syracuse 11	NY
Electron Enterprises, 1-11	6917-19-21 Stanley Ave, Berwyn	Ill
Electronic Applications, Inc., 2-3-8-9	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 1-7-8-9-11, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 11	625 Broadway, New York 12	NY
Electronic Organ Arts, Inc., 5	4949 York Blvd, Los Angeles 42	Cal
Electronic Research Associates, Inc., 8-12	67 Factory Pl, Cedar Grove	NJ
Electronic Research & Dev.Co., Ltd., 1-4-7-8	210 9th Ave, S.E., Calgary, Alberta, Canada	
Electronic Systems Engineering Co., 1-2-3-4-8	2808 Dorchester Dr, Oklahoma City	Okla
Elin Div., IERC, 7	135 W. Magnolia Blvd, Burbank	Cal
ENDEVCO CORP., 12, Adv Pg 160	**161 E. California Blvd, Pasadena**	**Cal**
Ensco, Inc., 1	3100 Eldredge St, Salt Lake City	Utah
Eric Engineering Co., 1-8-9	1823 Colorado Ave, Santa Monica	Cal
Fairchild Recording Equip., Co., 1-3-7-9-10-11	10-40 45th Ave, L I City 1	NY
Fanon Electronic Industries, Inc., 1-2-3-4-5-7-8-9-10-11	439 Frelingheysen Ave, Newark	NJ
Ferrotran Electronic Co., Inc., 1-6-7-12	693 Broadway, New York 12	NY
Fidelity Amplifier Co., 1-7	1633 N. Halsted St, Chicago 14	Ill
Fisher Berkeley Corp., 1	4224 Holden St, Emeryville 8	Cal
Fisher Radio Corp., 1-7-8-9-11	21-21 Forty Fourth Dr, L.I. City 1	NY
G B COMPONENTS, INC., 12, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
Galbraith-Pilot Marine Corp., 1-7	602 Fourth Ave, Brooklyn	NY
GATES RADIO CO., 1-2-3-4-8-9-10-11, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES INC., 1-2-3-4-5-6-7-8-9-10-11-12, Adv Pg 270	**P.O.Box 253, Princeton**	**NJ**
GENERAL RADIO CO., 7, Adv Pg 285	**West Concord**	**Mass**
Genisco, Inc., 7	2233 Federal Ave, Los Angeles 64	Cal
Gibbs Mfg. & Research Corp., 5	454 N. Main St, Janesville	Wisc
Globe Electronics, Div Textron Electronics Inc 1-7	22-30 S. 34th St, Council Bluffs	Iowa
Goldak Co., Inc., 6	Dept. E, 1544 W. Glenoaks, Glendale 1	Cal
Good Electronic Corp., 4-8-12	P.O. Box 2406, W. Palm Beach	Fla
Goodmans Industries Ltd., Axiom Works, 1-7	Wembley, Middlesex, England	
Gotham Audio Corp., 7-10	2 W. 46 St, New York 36	NY
Gray Mfg. Co., The, 10	Dept 67, 16 Arbor St, Hartford 1	Conn
HRB-SINGER, INC., 12, Adv Pg 493	**Science Park, State College**	**Pa**
HALLICRAFTERS CO., 1-7, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harkins Radio Inc., 1-3	4444 E. Washington, Phoenix	Ariz
Harman-Kardon, Inc., 1-7-8-9-11	520 Main St, Westbury	NY
Heath Co., A Sub of Daystrom, Inc., 1-7-8-9-11	Benton Harbor	Mich
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 7-12	P.O. Box 978, Garland	Tex
HEWLETT-PACKARD CO., 1, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 8	35 Old County Rd, Westbury	NY
Holt Instrument Laboratories, 1-7	Oconto	Wisc
Hoover Electronics Co., 12	110 W. Timonium Rd, Timonium	Md
Humble Mfg. Co., Ltd., 1	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
ITT Laboratories, 7	500 Washington Ave, Nutley 10	NJ
INDUSTRIAL TEST EQUIPMENT CO., 7, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Laboratories, 12	315 W. Walton Pl, Chicago 10	Ill
Instrument Systems Corp., 1	129-07 18th Ave, College Point 56	NY
Intercontinental Electronics, 6-8	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 1-7-8-12, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 1-7-12	2221 Warwick Ave, Santa Monica	Cal
Kinematic Systems, 1-12	41-11-49th St, Long Island City	NY
Knight Electronics, 1-7-8-9-11	210 S. Des Plaines St, Chicago 6	Ill
KROHN-HITE CORP., 1-7, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Lake Mfg. Co., 1	2323 Chestnut St, Dept E, Oakland 7	Cal
Land-Air, Inc., 1-6-7-8	7444 W. Wilson Ave, Chicago 31	Ill
Langevin Div., Maxson Corp., W.L., 1-7-9-11	475 Tenth Ave, New York 18	NY
Leak Audio Products, 1-7-8-9-11	80 Shore Rd, Port Washington	NY
Lear, Inc., 2-3-4-5-6-7-12	3171 S. Bundy Dr, Santa Monica	Cal
Lesa Construzioni Elettromeccaniche, 1-7-8-9-10-11	Via Bergamo 21, Milan, Italy	
Librascope Div., General Precision Inc., 7	808 Western Ave, Glendale 1	Cal
Loge Sound Engineers, J.M., 1	2171 W. Washington Blvd, Los Angeles 18	Cal
M. F. ELECTRONICS, 1-12, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
M P Engineering Co., 1-2-8-9-11	Fairfield 3	Conn
McIntosh Laboratory, Inc., 1-4-7-8-9-11	2 Chambers St, Binghamton	NY
Magnasync Corp., 1-2-4-7-8-9-10-11	5546 Satsuma Ave, North Hollywood	Cal
Magnecord Div., MI, 1-10	P.O. Box 7186, Tulsa 5	Okla
Magnetic Research Corp., 6-7-8	3160 W. El Segundo Blvd, Hawthorne	Cal
Mallory & Co., Inc., P.R., 4	34 S. Gray St, Indianapolis 6	Ind
Marconi's Wireless Telegraph Co. Ltd. 1-2-3-4-8	750 Third Ave, New York 17	NY
Microwave Development Labs. Inc., 6	92 Broad St, Babson Park 57	Mass
Midwest Audio Corp., 8-12	3800 W. North Ave, Chicago 47	Ill
Midwestern Instruments, Inc., 10-11	P.O. Box 7186, Tulsa 18	Okla
Minicord Corp of America, 12	1913 Atlantic Ave, Atlantic City	NJ
Miratel, Inc., 1-2-3-4-6-7-8	1080 Dionne St, St. Paul	Minn
Model Engineering & Mfg., Inc., 1	Huntington	Ind
Moulic Specialties Co., 8-10	1007 W. Washington St, Bloomington	Ill
Multi-Products Co., 1	21470 Coolidge Hwy, Oak Park	Mich
Neill Co., Inc., R.W., 1-2-3-4-6-7-8	4320 W. Montrose, Chicago 41	Ill
Nelson Instrument Co., 7	607 Howard St, Evanston	Ill
Nems-Clarke Co., Div., Vitro Corp of America, 8	Silver Spring	Md
Newcomb Audio Products Co., 1-2-7-8-10-11	6824 Lexington Ave, Hollywood 38	Cal
Newport Scientific Co., 1-2-7-12	638 W. 17th St, Costa Mesa	Cal
Nippon Electric Co., Ltd., 2-3-4-11	Shiba-Mita, Tokyo, Japan	
Northeast Electronics Corp., 1-4	P.O. Box 425, Concord	NH
NORTHERN RADIO CO., INC., 4, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Nortronics Co., Inc., 10	1017 S. Sixth St, Minneapolis 4	Minn
NUCLEAR ELECTRONICS CORP., 3-4-7, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Olympic Radio & Television Co., Div of the Siegler Corp., 1	34-01 38 Ave, Long Island City	NY
Otis Elevator Co., 1-6-7-8	35 Ryerson St, Brooklyn 5	NY
Palmer, Inc., M.V., 3-4-6	4108 N.W. Fruit Valley Rd, Vancouver	Wash
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5-6-7-8-9-10-11-12, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Peer, Inc., 3-4	Benton Harbor	Mich
Peer, Incorporated, 7	2624 Shelby St, Dallas 19	Tex
Pentron Corp., 8-9	777 S. Tripp Ave, Chicago 24	Ill
Permoflux Products Co., 1-8-9-11	4101 San Fernando Rd, Glendale	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., 1-3-6-7-8, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 1-2-12	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 7	Eindhoven, Netherlands	
Photocon Research Products, 7	421 N. Altadena Dr, Pasadena	Cal
Pilot Radio Corp., 9-11	37-06 36th St, Long Island City	NY
Pitometer Log Corp., 12	237 Lafayette St, New York 12	NY
Powers Co., J.J., 2	818 N. 22nd Ave, Melrose Park	Ill
Precision Electronics, Inc., 1-2-4-5-7-8-9-10-11	9101 King St, Franklin Park	Ill
Pulse Techniques Inc., 8	1411 Palisade Ave, West Englewood	NJ
Radiation Electronics Co., Div., Comptometer Corp., 8	5600 W. Jarvis, Chicago 48	Ill
Radio Corp of America Indl Electronic Prods, 1-2-3-4-5-6-7-8-9-10-11-12	Front & Cooper, Camden	NJ
Radio Engineering Labs., Inc., 7	29-01 Borden Ave, Long Island City 1	NY
RADIO FREQUENCY LABS., INC., 1-7-11, Adv Pg 116	**Boonton 2**	**NJ**
Radiometer, 8	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rangertone, Inc., 1	73 Winthrop St, Newark 4	NJ
Rank Cintel Ltd., 1-2-3-4-7-8-10	Worsley Bridge Rd, London S.E. 26, Englend	
Rauland-Borg Corp., 1-5-7-8-9-11	3535 W. Addison St, Chicago 18	Ill
Redifon, Ltd., 2-3-4	Broomhill Rd, Wandsworth, London SW 18	England
Republic Electronic Industries Corp., 1-3	111 Gazza Blvd, Farmingdale	NY
RIXON ELECTRONICS, INC., 3-4, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Roberts Electronic's, Inc., 8-10	829 N. Highland Ave, Hollywood 38	Cal
Rodale Electronics, 7	562 Grand Blvd, Westbury	NY
Rowe Industries, 5	1702 Wayne St, Toledo 9	Ohio
SANBORN CO., 1, Adv. Pgs. 36,37	**175 Wymen St, Waltham 54**	**Mass**
Sargent-Rayment Co., 1-7-8-9-10-11	4926-28 E. Twelfth St, Oakland 1	Cal
Sarkes Tarzian, Broadcast Equipment Div., 1-3-11	E. Hillside Dr, Bloomington	Ind
Scott, Inc., H.H., 1-2-4-7-8-9-11-12	111 Powder Mill Rd, Maynard	Mass
Secode Corp., 4	555 Minnesota St, San Francisco 7	Cal
Seg Electronics Co., Inc., 2	1778 Flatbush Ave, Brooklyn 10	NY
Servomechanisms, Inc., 6	12500 Aviation Blvd, Hawthorne	Cal
Setchell Carlson, Inc., 11	330 5th Ave, St. Paul 12	Minn
Shell Electronics Mfg. Corp., 1-7-8-9-11	112 State St, Westbury	NY
Sherwood Electronic Labs., Inc., 1	4300 N. California Ave, Chicago 18	Ill
Sierra Research Corp., 1-7-12	P.O. Box 22, Buffalo 25	NY
Signal Equipment Co., Inc., 7	2706 3rd Ave, Seattle 1	Wash
Simpson Mfg. Co., Inc., Mark, 1-2-5-10-11	32-28 49th St, Long Island City 3	NY
Smith-Florence, Inc., 8	4228 23rd W., Seattle	Wash
SOLID STATE ELECTRONICS CO., 12, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sonex, Inc., 1-8-9	185 W. Schoolhouse Ln, Philadelphia 44	Pa
Sorensen Industrial Electronic Co., 8	Rt 10, Dover	NJ
Sound Projects Co., Div., LeClair, 1-2-5-8-9	2410 S. Central Ave, Cicero 50	Ill
Southwestern Ind. Electronics Co., 1-6-12	10201 Westheimer Rd, Houston 19	Tex
Specialty Electronics Development Corp., 7	Eileen Way, Syosset	NY
Spectra Electronics Co., 1-3-6-12	250 E. 3rd St, Mt. Vernon	NY
SPENCER-KENNEDY LABS., INC., 8, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
Spivey Inc., James S., 1-7	4908 Hampden Ln, Washington 14	DC
Sprague Engineering Corp., 7	19300 S. Vermont Ave, Gardena	Cal
Stancil-Hoffman Corp., 10-11-12	921 N. Highland Ave, Hollywood 38	Cal
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4-7-8	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2-7	63 Aldwych, London W. C. 2	England
STATHAM INSTRUMENTS, INC., 12, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stratocon Corp., 7-12	P.O. Box 10, Morristown	NJ
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2-4-7-8-9-11	100 Carlson Rd, Rochester 3	NY
Summers & Mills, Inc., 1-7-12	911 W. Commerce, Dallas 8	Tex
Taber Instrument Corp., 1-6-7-8-12	107 Goundry St, North Tonawanda	NY
Taffet Electronics, Inc., 2-3-7	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tannoy (America) Ltd., 1-8	P.O.Box 177, East Norwich	NY
Tarc Electronics, Inc., 1-2-4-8	48 Urban Ave, Westbury	NY
TECHNICAL MATERIEL CORP., 7, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**

TECHNOLOGY INSTRUMENT CORP., 1-7, Adv Pg 223	**533 Main St, Acton**	**Mass**
Tektronix, Inc., 8	P.O. Box 831, Portland 7	Ore
TELECHROME MFG. CORP., 1-4-7, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecom, Inc., 2	1019 Admiral Blvd, Kansas City	Mo
TELECTRO INDUSTRIES CORP., 1-7-8-9-10-11, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 8-12	Park Ave, Huntington	NY
Thermovolt Instruments, Ltd., 3	70 Advance Rd, Toronto 18, Ontario, Canada	
Topp Industries, Inc., 7	5221 W. 102 St, Los Angeles 45	Cal
Topper Mfg. Co., Inc., 1-12	84-56 Parsons Blvd, Jamaica 32	NY
Trans-Tel Corp., 1	910 N. Orange Dr, Los Angeles 38	Cal
Transdyne Corp., 1	43 Albertson Ave, Albertson	NY
Transitte Electronics Corp., 1-11	5720 W. Armitage Ave, Chicago 39	Ill
Tresco Inc	3824 Terrace St, Philadelphia 28	Pa
Tronics Corp., 12	P.O. Box 548, Madison 1	Wisc
Trott Electronics, Inc., 1	412 Smith St, Rochester 8	NY
Trutona Electronics, Inc., 1-7-8-9-11	6912 Santa Monica Blvd, L A 38	Cal
U.S. Recording Co., 1-2-3-7-8-10	1345 Capitol St, Washington	DC
Unitized Electronics, Inc., 2	4791 Memphis Ave, Cleveland	Ohio
Valco Mfg. Co., 5	4700 W. Walton St, Chicago 51	Ill
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
VARO MFG. CO., INC., 7-12, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Viking of Minneapolis, 8-10	9600 Aldrich Ave S., Minneapolis 20	Minn
Vinco Electronics Corp., 1-2-4-5-7-8-11	65 Wallace St, New Haven 11	Conn
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Waber Electronics, Inc., 1-11-12	Hancock & Sommerset, Philadelphia 33	Pa
Waltham Electronics Corp., 1	751 Main St, Waltham 54	Mass
Warwick Manufacturing Corp., 1-8-9-11	7300 N. Lehigh Ave, Chicago 48	Ill
Webster Electric Co., 1-7-8-9-10-11	1900 Clark St, Racine	Wisc
Wells-Gardner & Co., 1-7-8	2701 N. Kildare Ave, Chicago 39	Ill
Western Electro-Acoustic Lab., 1	11787 San Vicente Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1-2-7-8-9-10-11	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 4-7-8-12, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WHITE INSTRUMENT LABORATORIES, 6, Adv Pg 552	**Box 9006, Allandale Sta, Austin 17**	**Tex**
Wickes Engineering & Construction Co., 4-7	12th St & Ferry Ave, Camden 4	NJ
WILCOX ELECTRIC CO., 2-3-4-7, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla
Wintronics, 1-7	213 S. Hawthorne Blvd, Hawthorne	Cal
Wurlitzer Co., 5-11	North Tonawanda	NY
Zacharias Electronics Corp., 1-8-12	P.O. Box 172, Livingston	NJ

AMPLIFIERS —*COMPUTER*

1. DIFFERENTIATING 2. INTEGRATING 3. INVERTING 4. LIMITING 5. LINEAR 6. LOGARITHMIC 7. OPERATIONAL 8. STABILIZING 9. SUMMING

ACF Electronics Div., 2-3-9	Riverdale	Md
Adage, Inc., 3-5-7	292 Main St, Cambridge	Mass
Aeroflex Corp., 2-8-9	34-06 Skillman Ave, Long Island City 1	NY
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 2-7, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Airmec Ltd., 8-9	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-2-5-9, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtronics, Inc., 1-2-3-4-5-6-7-8-9	5522 Dorsey Ln, Washington 16	DC
ALLEGANY INSTRUMENT CO., INC., 5-7, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
American Research & Mfg. Corp., 7	920 Halpine Ave, Rockville	Md
American Tradair Corp., Sub of Ekco Electronics, Ltd., 5	34-01 30 St, Long Island City 6	NY
Appalachian Electronic Instruments, 5-6	812 W. Monroe Ave, Ronceverte	W. Va
Applied Dynamics, Inc., 1-2-3-4-5-6-7-8-9	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 6-7-8-9, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Avien Corp., 1-5	58-15 Northern Blvd, Woodside 77	NY
Barnes Engineering Co., 6	30 Commerce Rd, Stamford	Conn
BECKMAN/BERKELEY DIV., 2-3-4-7-9, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 1-2-3-4-5-6-7-8-9	P.O. Box 1, Buffalo 5	NY
Bell & Gossett Co., 7	8202 N. Austin Ave, Morton Grove	Ill
Belock Instrument Corp., 1-2-3-4-5-6-7-8-9	112-03 14 Ave, College Point	NY
Boonshaft & Fuchs, Inc., 7	Huntingdon Valley	Pa
Brach Mfg. Corp., 8	200 Central Ave, Newark	NJ
Burr-Brown Research Corp., 1-2-5-7-8	P.O. Box 6444, Tucson	Ariz
C.E.S. Electronic Products, Inc., 6	P.O. Box 7504, San Diego 7	Cal
CG Electronics Corp., 9	15000 Central E., Albuquerque	NM
Cadre Industries Corp., 1-2-3-4-5-6-7-8-9	P. O. Box 150, Endicott	NY
California Magnetic Control Corp., 1-2-3-4-5-6-7-8-9	11922 Valerio St, North Hollywood	Cal
California Tech Ind Div., Textron Inc., 6	1421 Old County Rd, Belmont	Cal
Central Dynamics Ltd., 1-2-3-4-5	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Century Electronics & Instruments, 2-5	1333 N. Utica, Tulsa 10	Okla
Chance Vought Aircraft, Inc., 1-6	P.O. Box 5907, Dallas 22	Tex
CLEGG LABS., DIV., CLEGG, INC., 5, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Cleveland Instrument Co., 1	6220 E. Schaaf Rd, Cleveland 31	Ohio
Colorado Research Corp., 7	Broomfield	Colo
COMMUNICATION ACCESSORIES CO., 6, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Comptron Corp., 1-3-4-7-9	778 Pleasant St, Belmont 79	Mass
Computer Engineering Associates, Inc., 1-7	350 N. Halstead St, Pasadena	Cal
Computer Systems, Inc., 1-2-3-4-5-6-7-9	611 Broadway, New York 12	NY
Consolidated Airborne Systems, 1-2-5	900 3rd Ave, New Hyde Park	NY
Control Equipment Corp., 3-4-5	19 Kearney Rd, Needham Heights 94	Mass
Control Technology Co., 5-7-8-9	1186 Broadway, New York 1	NY
Data Equipment Co., 1-2-3-4-5-6-7-8-9	923 E. 3rd St, Los Angeles 13	Cal
Deeco Instruments, 1-2-3	14737 Armita St, Van Nuys	Cal
Djeco, Div., Djordjevic Engrg Co., 1-2-3-5-6-9	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1-2-3-4-5-7-8-9	888 Galindo St, Concord	Cal
Dynamics Instrumentation Co., 2-5-7	1118 Mission, S. Pasadena	Cal
EPR Special Products Corp., 1-2-3-4-5-6-7-8-9	675 Barbey St, Brooklyn	NY
Elcor, Inc., 2-5	1225 W. Broad St, Falls Church	Va
Eldorado Electronics, 7	2821-10th St, Berkeley	Cal
ELECTRIC REGULATOR CORP., 1-5-6-7-8-9, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-2-7-8-9	3540 Aero Ct, San Diego	Cal
Electro Precision Corp., 1-2-3-4-5-7-8-9	P.O. Box 669, Arkadelphia	Ark
Electronic Associates, Inc., 1-2-3-4-5-6-7-9	Long Branch	NJ
Electronic Computer Co., Inc., 3-7	618 Maple St, Conshohocken	Pa
Electronic Development Corp., 1-2-3-4-5-6-7-8-9	423 W. Broadway, Boston 27	Mass
Electronic Research Associates, Inc., 5	67 Factory Pl, Cedar Grove	NJ
Engineered Electronics Co., 2-5	1441 E. Chestnut Ave, Santa Ana	Cal
Ensco, Inc., 1-2-3-7-8-9	3100 Eldredge St, Salt Lake City	Utah
EPSCO, INC., COMPONENTS DIV., 3, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco-West, 3-7-9	240 E. Palais Rd, Anaheim	Cal
Erie-Pacific Div of Erie Resistor Corp., 2-9	12932 S. Weber Way, Hawthorne	Cal
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-2-3-4-5-6-7-8-9	Robbins Ln, Syosset	NY
Feedback Controls, Inc., 3-5-7-9	8 Erie Dr, Natick	Mass
GPE Controls, Inc., 4-9	240 E. Ontario St, Chicago 11	Ill
GPS Instrument Co., Inc., 2-3-4-5-7-9	180 Needham St, Newton 64	Mass
GATES RADIO CO., 4-5-8, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Computers, Inc., 1-2-3-4-5-7-8-9	9000 W. Pico Blvd, Los Angeles 35	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8-9, Adv Pg 270	**P.O.Box 253, Princeton**	**NJ**
Gertsch Products, Inc., 1	3211 S. La Cienega, Los Angeles 16	Cal
Gilfillan Bros., Inc., 1-7	1815 Venice Blvd, Los Angeles 6	Cal
Good Electronic Corp., 1-2-3-4-5-6-7-8-9	P.O. Box 2406, W. Palm Beach	Fla
Goodmans Industries Ltd., Axiom Works, 2	Wembley, Middlesex, England	
Guardian Electric Mfg. Co., 4-9	1621 W. Walnut St, Chicago 12	Ill
Hagan Chemicals & Controls, Inc., 7-9	Hagan Center, Pittsburgh 30	Pa
Halex, Inc., 1-2-5-6-7-9	310 E. Imperial Hwy, El Segundo	Cal
HALLICRAFTERS CO., 1-2-3-4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 7	Benton Harbor	Mich
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 2-5, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 5	P.O. Box 978, Garland	Tex
Huyck Systems Co., 2-5-6-7	360 Wolf Hill Rd, Huntington Sta	NY
ITT Laboratories, 1-2-3-4-5-6-7-8	500 Washington Ave, Nutley 10	NJ
Industrial Control Co., 1-2-3-4-5-7-8-9	Central at Pinelawn, Farmingdale	NY
INTERELECTRONICS CORP., 3-4-5-6-7, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Interstate Electronics Corp., 1-5-6	707 E. Vermont Ave, Anaheim	Cal
JULIE RESEARCH LABS., 1-2-7-9, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KIN TEL DIV., COHU ELECTRONICS, 1-2-7-9, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 2	80-08 45th Ave, Elmhurst 73	NY
Librascope Div., General Precision Inc., 2-4-5-7	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-2-3-4-5-6-7-8-9	Nowlan Rd, Hillcrest, Binghamton	NY
Lumen, Inc., 9	P.O. Box 905, Joliet	Ill
MAGNETIC INSTRUMENT CO., INC., 1, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Marquardt Corp., Pomona Div., 1-2-3-4-5-6-7-8-9	2709 N. Garey Ave, Pomona	Cal
Marsland Engineering, Ltd., 2-5-6	154 Victoria St S., Kitchener, Ontario, Canada	
Melpar, Inc., 2-3-5-7-9	3000 Arlington Blvd, Falls Church	Va
Micro Gee Products, Inc., 1-2-3-4-5-6-7-8-9	6319 W. Slauson, Box 1005, Culver City	Cal
Midwestern Instruments, Inc., 7	P.O. Box 7186, Tulsa 18	Okla
Milgo Electronic Corp., 1-2-3-4-5-6-7-8-9	7620 N.W. 36th Ave, Miami 47	Fla
Mini-Rad, Inc., 1-2-3-4-5-6-7-8-9	7416-E Varna Ave, N. Hollywood	Cal
MINN-HONEYWELL, BOSTON DIV., 1, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Missouri Research Labs., Inc., 1	2109 Locust St, St. Louis 3	Mo
NAVIGATION COMPUTER CORP., 3, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Newport Scientific Co., 1-2-3-4-5-6-7-8-9	638 W. 17th St, Costa Mesa	Cal
Otis Elevator Co., 2-5-6-7-9	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 7	1905 Armacost Ave, Los Angeles 25	Cal
Performance Measurements Co., 1-6	15120 Third Ave, Detroit 3	Mich
PHILBRICK RESEARCHES, INC., GEORGE A., 1-2-3-4-5-7-8-9, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Phoenix Precision Instrument Co., 6	3805 N. Fifth St, Philadelphia	Pa
Photron Instrument Co., 7-8	6516 Detroit Ave, Cleveland 2	Ohio
Radiation Instrument Development Labs., 5	5737 S. Halsted St, Chicago 36	Ill
Radio Corp of America Indl Electronic Prods, 1-2-3-4-5-6-7-8-9	Front & Cooper, Camden	NJ
Rangertone, Inc., 3	73 Winthrop St, Newark 4	NJ
Reeves Instrument Corp., 2-3-5-7-9	Roosevelt Field, Garden City	NY
Remanco, Inc., 7	1805 Colorado, Santa Monica	Cal
Republic Electronic Ind Corp., 1-2-3-4-5-6-7-8-9	111 Gazza Blvd, Farmingdale	NY
SANBORN CO., 6, Adv. Pgs. 36,37	**175 Wyman St, Waltham 54**	**Mass**
San Diego Scientific Corp., 1-2-3-4-5-7-9	3434 Midway Dr, San Diego 10	Cal
Scientific-Atlanta, Inc., 6	2162 Piedmont Rd N.E., Atlanta 9	Ga
Scott, Inc., H.H., 5-6	111 Powder Mill Rd, Maynard	Mass
Servomechanisms, Inc., 4-5-6	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 7	Crowborough, Sussex, England	
Servonics, Inc., 1-2-3-5-7-9	822 N. Henry St, Alexandria	Va
Sierra Research Corp., 1-2-3-5-7-9	P.O. Box 22, Buffalo 25	NY
Smith-Florence, Inc., 5	4228 23rd W. Seattle	Wash
Solartron, Inc., 1-2-3-5-6-7-9	1742 S. Zeyn St, Anaheim	Cal
Spectra Electronics Co., 1-2-3-4-5-6-7-8-9	250 E. 3rd St, Mt. Vernon	NY
Spectrol Electronics Corp., 5	1704 S. Del Mar, San Gabriel	Cal
Standard Telephones & Cables, Ltd., 4-5	63 Aldwych, London W. C. 2	England
Summers & Mills, Inc., 2-3-9	911 W. Commerce, Dallas 8	Tex
Taber Instrument Corp., 1-2-5-7-9	107 Goundry St, North Tonawanda	NY
Taffet Electronics, Inc., 1	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-2-3-4-5-6-7-8-9	23555 Euclid Ave, Cleveland 17	Ohio
Technical Measurement Corp., 5	441 Washington Ave, North Haven	Conn
Temco Electronics Div., Temco Aircraft Corp., 1-5-6-8	P.O. Box 6191, Dallas 22	Tex
Tento Research Corp., 7	9424 Lyndale Ave S., Minneapolis 20	Minn
Topp Industries, Inc., 1-2-4-9	5221 W. 102 St, Los Angeles 45	Cal
TOROTEL, INC., 2-3-4-5-6-7-9, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
Transdyne Corp., 1-2-7-9	43 Albertson Ave, Albertson	NY
Trott Electronics, Inc., 5-6	412 Smith St, Rochester 8	NY
Tullamore Electronics Corp., 5-6	6055 S. Ashland Ave, Chicago 36	Ill
VARO MFG. CO., INC., 1-2-3-4-5-6-7-8-9, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Walkirt Co., 1	141 W. Hazel St, Inglewood 3	Cal
WESTINGHOUSE ELECTRIC CORP., 5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 1-2-3-7-9, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**
Zacharias Electronics Corp., 1-2-3-5-7-9	P.O. Box 172, Livingston	NJ

AMPLIFIERS – D-C

1. ELECTROMECHANICAL CHOPPER 2. GALVANOMETER. PHOTO-ELECTRIC & OPTICAL 3. MAGNETIC AMPLIFIER 4. TRANSISTOR & DIODE 5. VACUUM TUBE 6. WIDEBAND 7. 0-5 CPS 8. 0-150 CPS 9. 0-3.000 CPS See Also **AMPLIFIERS** *–COMPUTER:* **AMPLIFIERS** *–INSTRUMENTATION:* **AMPLIFIERS** *–MAGNETIC:* **AMPLIFIERS** *–MEDICAL*

AC Electronics, Inc., 3-4	11725 Mississippi Ave, Los Angeles 25	Cal
AEG, 3	Hochhaus Sued, Frankfurt/Main, Germany	
A R & D A, 3-4-5-7-8	135 Main St, Belleville 9	NJ
ACME ELECTRIC CORP., 3, Adv Pg 511	**Water St, Cuba**	**NY**
ACROMAG, INC., 3, Adv Pg 320	**22515 Telegraph Rd, Southfield**	**Mich**
Adage, Inc., 4-6	292 Main St, Cambridge	Mass
Aeroflex Corp., 1-3-4	34-06 Skillman Ave, Long Island City 1	NY
Aerolab Development Co., 4	330 W. Holly St, Pasadena	Cal
Aetna Electronics Corp., 8	Readington Rd, North Branch	NJ
Airborne Accessories Corp., 1-3-4	1414 Chestnut Ave, Hillside	NJ
Airmec Ltd., 1	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-3-7-8-9, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 8, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Alfred Electronics, 6	897 Commercial St, Palo Alto	Cal
ALLEGANY INSTRUMENT CO., INC., 1-2-4-5-6-9, Adv Pg 73	**1091 Mills Mountain, Cumberland**	**Md**
American Avionics, Inc., 4	2028-2032 Stoner Ave, Los Angeles 25	Cal
AMERICAN ELECTRONIC LABS., INC., 5-6-9, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Electronics, Inc., Precision Power Div., 3	9705 Klingerman St, El Monte	Cal
American-Monarch Corp., 3-4	2801 37 Ave N.E., Minneapolis 18	Minn
American Research & Mfg. Corp., 1-3-4	920 Halpine Ave, Rockville	Md
Applied Dynamics, Inc., 1-2-4-5-7-8-9	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 1-3-4-6-7-8-9, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
ARNOLD MAGNETICS CORP., 3, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Arnoux Corp., 3-4	11924 W. Washington Blvd, L.A. 66	Cal
ATLAS CONTROLS INC., 3-7, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Audio Equipment Co., Inc., 4-5	75 Harbor Rd, Port Washington	NY
Automation Industries, Inc., Magnetics Div., 3	771 Hamilton Ave, Menlo Park	Cal
Avien Corp., 4-7-8	58-15 Northern Blvd, Woodside 77	NY
Bach Auricon, Inc., 2	6924 Romaine St, Hollywood 38	Cal
Basler Electric Co., 3	P.O. Box 269, Highland	Ill
Beckman Instruments, Inc., Systems Div., 4-7-8-9	325 N. Muller Ave, Anaheim	Cal
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Bell, Inc., F.W., 4	1356 Norton Ave, Columbus 12	Ohio
Belock Instrument Corp., 1-3-4-5-6-7-8-9	112-03 14 Ave, College Point	NY
Bergen Labs., Inc., 3	60 Spruce St, Paterson	NJ
Bogue Electric Mfg. Co., 3	52 Iowa Ave, Paterson 3	NJ
BOONTON ELECTRONIC CORP., 1, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
Brach Mfg. Corp., 3-5-7-8-9	200 Central Ave, Newark	NJ
Bruno-New York Industries Corp., 4	460 W. 34 St, New York 1	NY
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., 2, Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
Budd Lewyt Electronics, Inc., 4	43-22 Queens St, Long Island City 1	NY
Bush Transformer Corp., 3	707 North St, Endicott	NY
CG Electronics Corp., 1-4	15000 Central E., Albuquerque	NM
Cadre Industries Corp., 4-5-9	P.O. Box 150, Endicott	NY
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 3, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Central Dynamics Ltd., 1-4	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Centronix, Inc., 2	4000 N.W. 28th St, Miami 42	Fla
Chicago Electronic Engineering Co., 3	3223 W. Armitage Ave, Chicago 47	Ill
Coil Winders, Inc., 3-4	Ames Ct., Plainview	NY
Coilcraft, Inc., 3	Cary	Ill
Coldstream Engineering Co., 3	P.O. Box 1893, Tulsa	Okla
Collins Electronics, Inc., 1	Stevensville	Md
COMMUNICATION ACCESSORIES CO., 3, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Computer Engineering Associates, Inc., 6	350 N. Halstead St, Pasadena	Cal
Computer Systems, Inc., 1-5-6	611 Broadway, New York 12	NY
Consolidated Controls Corp., 3	6 Durant Ave, Bethel	Conn
Control Data Corp., Cedar Engr. Div., 3	501 Park Ave, Minneapolis 15	Minn
CONTROL, DIV OF MAGNETICS, INC., 3, Adv Pg 322	**Butler**	**Pa**
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 4	19 Kearney Rd, Needham Heights 94	Mass
Control Technology Co., 3-4-9	1186 Broadway, New York 1	NY
Cornwell Electronics Corp., 3	84 S. Water St, Byram	Conn
Cubic Corp., 4	5575 Kearny Villa Rd, San Diego 11	Cal
D & R Ltd., 3-4	402 E. Gutierrez, Santa Barbara	Cal
DAVEN CO., 4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Daystrom, Inc., Control Systems Div., 4	4455 Miramar Rd, La Jolla	Cal
Deeco Instruments, 3-4	14737 Arminta St, Van Nuys	Cal
DeHavilland Aircraft/Spec. Prods. Div., 3	Downsview, Ontario, Canada	
Deltron, Inc., 4-6	4th & Cambria, Philadelphia 33	Pa
Designers for Industry, 4-6	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 3-4	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1-4-5-6-7-8-9	888 Galindo St, Concord	Cal
Dynamic Electronics, Capehart Corp., 3-4-5-6-7-8-9	87-46 123 St, Richmond Hill 18	NY
Dynamics Instrumentation Co., 1-4-5-6-7-8-9	1118 Mission, S. Pasadena	Cal
DYNATRAN ELECTRONICS CORP., 4, Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
E-H RESEARCH LABORATORIES, INC., 1, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
EMI-COSSOR ELECTRONICS LTD., 1, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EPR Special Products Corp	675 Barbey St, Brooklyn	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1-3, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Elcor, Inc., 5-6	1225 W. Broad St, Falls Church	Va
ELECTRIC REGULATOR CORP., 3-7, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-2-4-6-7-9	3540 Aero Ct, San Diego	Cal
Electrodynamic Instrument Corp., 2-4-5-6-7-8-9	1841 Old Spanish Trail, Houston 25	Tex
Electronic Computer Co., Inc., 1-5-6	618 Maple St, Conshohocken	Pa
Electronic Development Corp., 1-4-6-7-8-9	423 W. Broadway, Boston 27	Mass
Electronic Research Associates, Inc.	67 Factory Pl, Cedar Grove	NJ
ELECTRONIC SPECIALTY CO., 3-4-6, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electrowest, Inc., 1-4-5	2351 Albatross Way, Sacramento 15	Cal
Emerson Radio & Phonograph Corp., 3	14th & Coles Sts, Jersey City	NJ
Engineered Electronics Co., 4-5	1441 E. Chestnut Ave, Santa Ana	Cal
Engineered Magnetics Div., Gulton, 3-4	13041 Cerise Ave, Hawthorne	Cal
Ensco, Inc., 1-4-5-6	3100 Eldredge St, Salt Lake City	Utah
EPSCO, INC., EQUIPMENT DIV., 6, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco-West, 6	240 E. Palais Rd, Anaheim	Cal
Eric Engineering Co., 3	1823 Colorado Ave, Santa Monica	Cal
Erie-Pacific Div of Erie Resistor Corp., 1	12932 S. Weber Way, Hawthorne	Cal
Evershed & Vignoles Ltd., 1-2-3-4	Chiswick, London W. 4, England	
Fairfield Engineering Corp., 3-4	114 Manhattan St, Stamford	Conn
Fanon Electronic Industries, Inc., 4-5	439 Frelingheysen Ave, Newark	NJ
Feedback Controls, Inc., 1-3-4-5	8 Erie Dr, Natick	Mass
Fidelity Instrument Corp., 3	1000 E. Boundary Ave, York	Pa
Fisher Engineering, Inc., 3	2060 U.S. 24 E. Box 327, Huntington	Ind
G B COMPONENTS, INC., Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
G-M LABORATORIES, INC., 2, Adv Pg 484	**4336 N. Knox Ave, Chicago 41**	**Ill**
Garrett Corp., The, 3	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES RADIO CO., 4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Computers, Inc., 1-5-6-7-8-9	9000 W. Pico Blvd, Los Angeles 35	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8-9, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 3, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL MAGNETICS, INC., 3, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
General Measurements Co., Inc., 6	1108 Beacon St, Newton Highlands 61	Mass
GENERAL RADIO CO., 5-9, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 2-5-7	3401 Shiloh Rd, Garland	Tex
Gerst & Co., Paul E., 1-3	4868 N. Clark, Chicago 40	Ill
Gilfillan Bros., Inc., 4	1815 Venice Blvd, Los Angeles 6	Cal
Good Electronic Corp., 1-4-5	P.O. Box 2406, W. Palm Beach	Fla
Guardian Electric Mfg. Co., 1-2-4-7	1621 W. Walnut St, Chicago 12	Ill
Gulton Industries, Inc., 3-4-5	212 Durham Ave, Metuchen	NJ
HRB-SINGER, INC., 5-6, Adv Pg 493	**Science Park, State College**	**Pa**
Hagan Chemicals & Controls, Inc., 3	Hagan Center, Pittsburgh 30	Pa
Halex, Inc., 1-2-4-5-6-7-8-9	310 E. Imperial Hwy, El Segundo	Cal
Hallamore Electronics Co., 5-6-9	714 N. Brookhurst Ave, Anaheim	Cal
HARREL, INC., 3, Adv Pg 395	**1788 First Ave, New York**	**NY**
Heath Co., A Sub of Daystrom, Inc., 5-9	Benton Harbor	Mich
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 2, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 3	P.O. Box 978, Garland	Tex
Hesco Engineering Co	322 E. Beach Ave, Inglewood 3	Cal
Hoffman Co., H.L., 6	35 Old County Rd, Westbury	NY
Hoover Electronics Co., 4	110 W. Timonium Rd, Timonium	Md
Houston Instrument Corp., 1	P.O. Box 22234, Houston 27	Tex
HUGHES SEMICONDUCTOR DIV., 4, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
Hunter Mfg. Co., 2	P.O. Box 153, Coralville Br, Iowa City	Iowa
Huyck Systems Co., 4	360 Wolf Hill Rd, Huntington Sta	NY
HYDRO AIRE CO., 4, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
I-L-S Instrument Div., Meriam Instrument Co., 1	4525 W. 160th St, Cleveland 35	Ohio
ITT Laboratories, 3-4-5-6	500 Washington Ave, Nutley 10	NJ
Inductor Engineering Inc., 3	117 Schley Ave, Lewes	Del
Industrial Control Co., 1-3-4-5-7-8-9	Central at Pinelawn, Farmingdale	NY
Instrument Systems Corp., 4-5	129-07 18th Ave, College Point 56	NY
Intercontinental Dynamics Corp., 7-8-9	170 Coolidge Ave, Englewood	NJ
Intercontinental Electronics, 1-3-6	1551 Franklin Ave, Mineola	NY
Interstate Electronics Corp., 4-5-9	707 E. Vermont Ave, Anaheim	Cal
Isotope Developments, Ltd., 6	Beenham Grange, Reading, Berks, England	
Jem Electronics Corp., 2	743 Circle Ave, Forest Park	Ill
Johnson Electronics, Inc., 3	P.O. Box 1675, Casselberry	Fla
Jordan Electronics Div., 4	3025 W. Mission Rd, Alhambra	Cal
KAY ELECTRIC CO., 9, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Kay-Towns Antenna Co., 4	1513 Dean Ave, Rome	Ga
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keithley Instruments, Inc., 1-2-5-6-7-8-9	12415 Euclid Ave, Cleveland 6	Ohio
Keystone Products Co., 3	904-6 23 St, Union City	NJ
KIN TEL DIV., COHU ELECTRONICS, 1-6-8, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Kollmorgen Optical Corp., 3	347 King St, Northampton	Mass
Kraus Electronics, Inc., 4-5	1405 University Ave, Palo Alto	Cal
KROHN-HITE CORP., 6, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Land-Air, Inc., 4	7444 W. Wilson Ave, Chicago 31	Ill
Leach Corp., 3	18435 Susana Rd, Compton	Cal
Lear, Inc., 4-5-9	3171 S. Bundy Dr, Santa Monica	Cal
Librascope Div., General Precision Inc., 3	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-4	Nowlan Rd, Hillcrest, Binghamton	NY
Lucas-Rotax, Ltd., 3	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Lumen, Inc., 1-3-4-7-8-9	P.O. Box 905, Joliet	Ill
MAGNETIC AMPLIFIERS, INC., 3-4, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Circuit Elements, Inc., 3-9	3722 Park Pl, Montrose	Cal
MAGNETIC INSTRUMENT CO., INC., 1-7, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Magnetic Research Corp., 3-4-6-7-8	3160 W. El Segundo Blvd, Hawthorne	Cal
Magnetico, Inc., 3-4	6 Richter Ct, East Northport	NY
Mallory & Co., Inc., P.R., 6	34 S. Gray St, Indianapolis 6	Ind
Marathon Electric Mfg. Corp., 3	Randolph & Cherry Sts, Wausau	Wisc
Marquardt Corp., Pomona Div., 4-5	2709 N. Garey Ave, Pomona	Cal
Marstan Electronics Corp., 4	204 Babylon Trnpk, Roosevelt	NY
MASSA DIV., COHU ELECTRONICS, INC., 1-2-7-8, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Medistor Instrument Co., 1-2-4-6	1443 Northlake Way, Seattle 3	Wash
Melpar, Inc., 1-5-6	3000 Arlington Blvd, Falls Church	Va
Mercury Transformer Corp., 3	12964 Panama St, Los Angeles 66	Cal
Micro Gee Products Inc., 1-2-3-4-5-6-7-8-9	6319 W. Slauson, Box 1005, Culver City	Cal
Microdyne, Inc	1220 Washington, Wilmette	Ill
Micromag Instrument Corp., 3	115 Halleck St, Roxbury	Mass
Midwestern Instruments, Inc., 1-2-4-5-9	P.O. Box 7186, Tulsa 18	Okla
MINN-HONEYWELL, BOSTON DIV., 1-3-4-5-6-7-8-9, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Minn-Honeywell, Industrial Div., 1-2-3	Wayne & Windrim, Philadelphia 44	Pa

Minn-Honeywell, Missile Equipment Div., 4	Queen & S. Bailey, Pottstown	Pa
Miratel Inc., 4-5	1080 Dionne St, St. Paul	Minn
Moran Instrument Corp., 1	170 E. Orange Grove Ave, Pasadena 3	Cal
NAVIGATION COMPUTER CORP., 4, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Networks Electronic Corp., 3-4-6-7-8-9	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 1-3-4-5-6-7-8-9	638 W. 17th St, Costa Mesa	Cal
Newton Co., 5-9	55 Elm St, Manchester	Conn
Norbatrol Electronics Corp., 3-4	356 Collins Ave, Pittsburgh 6	Pa
Offner Electronics Inc., 1-4-5-7-8	3900 River Rd, Schiller Park	Ill
Ohmart Corp., 1-5	2236 Bogen St, Cincinnati	Ohio
Olympic Radio & Television Co., Div of the Siegler Corp., 5	34-01 38 Ave, Long Island City	NY
OPAD ELECTRIC CO., 4, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Ortho Filter Corp., 3	7 Paterson St, Paterson	NJ
Otis Elevator Co., 4-5-6-9	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 4-6-8-9	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 1-3-4-5-6-7-8-9, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pegasus Laboratories, Inc., 1-8	3692 11 Mile Rd, Berkley	Mich
Penn-East Engineering Corp., 3	P.O. Box 240, Kutztown	Pa
Penn Keystone Corp., 1-4	P.O. Box 350, Hawkins St, Derby	Conn
Permoflux Products Co., 4	4101 San Fernando Rd, Glendale	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., 1-2-5-6-7-8-9, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 4	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 6	Eindhoven, Netherlands	
Phoenix Precision Instrument Co., 2	3805 N. Fifth St, Philadelphia	Pa
Photron Instrument Co., 1-6-7-8-9	6516 Detroit Ave, Cleveland 2	Ohio
Piezo Products Co., 3	Whitney St, Sherborn	Mass
Pintsch Bamag AG, 3	Postfach 11, Butzbach, Germany	
Plug-In Instruments, Inc., 4-5	1416 Lebanon Rd, Nashville 10	Tenn
Polyphase Instrument Co., 3	E. Fourth St, Bridgeport	Pa
Quan-Tech Laboratories, Inc., 4-6-9	60 Parsippany Blvd, Boonton	NJ
Radio City Products Co., Inc., 6	Centre & Glendale Sts, Easton	Pa
RED BANK DIV., BENDIX AVIATION CORP., 3-4-5, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Reeves Instrument Corp., 4-9	Roosevelt Field, Garden City	NY
Regulators, Inc., 3-4	455 W. Main St, Wyckoff	NJ
Remanco, Inc., 6	1805 Colorado, Santa Monica	Cal
Republic Electronic Ind Corp., 1-2-3-4-5-6-7-8-9	111 Gazza Blvd, Farmingdale	NY
Rese Engineering Corp., 4-5	731 Arch St, Philadelphia 6	Pa
Research Industrial Labs of Electronics, 3-5	Roslyn	Pa
RHO Engineering Co.	2242 Sepulveda Blvd, Los Angeles 64	Cal
ROTARY DEVICES CORP., 1, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Rytron Co., Inc., 3	7301 Lankershim Blvd, North Hollywood	Cal
SANBORN CO., 1-6-8, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
San Diego Scientific Corp., 2-3-6-9	3434 Midway Dr, San Diego 10	Cal
Sangamo Electric Co., 3	1201 N. 11 St, Springfield	Ill
Scientific-Atlanta, Inc., 1	2162 Piedmont Rd N.E., Atlanta 9	Ga
Scott, Inc., H.H., 6	111 Powder Mill Rd, Maynard	Mass
Servomechanisms, Inc., 1-3-4-5-8-9	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 5-6	Crowborough, Sussex, England	
Servonics, Inc	822 N. Henry St, Alexandria	Va
Servo-Tek Products Co., Inc., 1-3-4	1086 Goffle Rd, Hawthorne	NJ
Servotronics, Inc., 5	190 Gruner Rd, Buffalo 25	NY
Sickles F.W., Div., General Instrument Corp., 3	165 Front St, Chicopee	Mass
Sierra Research Corp., 4	P.O. Box 22, Buffalo 25	NY
SIGMA INSTRUMENTS, INC., 3, Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Singer Mfg. Co., Military Products Div., 6	149 Broadway, New York 3	NY
Solartron, Inc., 1-5-9	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co.	10201 Westheimer Rd, Houston 19	Tex
Specialties, Inc., 3	Skunks Misery Rd, Syosset	NY
Spectra Electronics Co., 4-5-6-7-8-9	250 E. 3rd St, Mt. Vernon	NY
Spectrol Electronics Corp., 4	1704 S. Del Mar, San Gabriel	Cal
Spec-Tronics, 4	13942 Saticoy Ave, Van Nuys	Cal
Sprague Engineering Corp., 3-4	19300 S. Vermont Ave, Gardena	Cal
STATHAM INSTRUMENTS, INC., 4-7-8-9, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stratocon Corp., 1	P.O. Box 10, Morristown	NJ
Summers & Mills, Inc., 4-7-8-9	911 W. Commerce, Dallas 8	Tex
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Taber Instrument Corp., 1-4-6-7-8	107 Goundry St, North Tonawanda	NY
Taffet Electronics, Inc., 4-5	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-3-4-5-6-7-8-9	23555 Euclid Ave, Cleveland 17	Ohio
Tarc Electronics, Inc., 5-6	48 Urban Ave, Westbury	NY
Taylor Instrument Cos., 1	95 Ames St, Rochester	NY
Tektronix, Inc., 6	P.O. Box 831, Portland 7	Ore
Telecomputing Corp., 3	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 3, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 3-8	P.O. Box 6191, Dallas 22	Tex
Thermador Electrical Mfg. Co., 3	715 S. Raymond Ave, Alhambra	Cal
Thermo Electric Co., 1	Rochelle Park P.O., Saddle Brook	NJ
Tinsley Instruments (Canada), Ltd., 2	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topper Mfg. Co., Inc., 4	84-56 Parsons Blvd, Jamaica 32	NY
TOROTEL, INC., 3-7, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 3, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transdyne Corp., 1-3	43 Albertson Ave, Albertson	NY
Transformer Specialty Co., 3	1400 Mill Creek Rd, Gladwyne	Pa
Trepac Corp of America, 4	30 W. Hamilton Ave, Englewood	NJ
TRIO LABORATORIES, INC., 1-5, Adv Pg 283	**Plainview**	**NY**
Trott Electronics, Inc., 4-5-6-7-8-9	412 Smith St, Rochester 8	NY
Tullamore Electronics Corp	6055 S. Ashland Ave, Chicago 36	Ill
United Control Corp., 2-3-4	4540 Union Bay Pl, Seattle 5	Wash
United Electrodynamics, Inc., 4-9	200 Allendale Rd, Pasadena	Cal
U. S. Nuclear Corp., 1	801 N. Lake St, Burbank	Cal
Universal Match Corp., Armament Div., 4	St. Louis 35	Mo
Universal Transistor Products Corp., 3-4	36 Sylvester St, Westbury	NY
VARO MFG. CO., INC., 3-4-5-7-8-9, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vickers, Inc., Electric Products Div., 3	1899 Locust St, St. Louis 3	Mo
Video Instruments Co., Inc., 1-2-4-6-7-8-9	3002 Penna. Ave, Santa Monica	Cal
Viking Industries, Inc., 3-4	21343 Roscoe Blvd, Canoga Park	Cal
Voi-Shan Electronics, 3-4-5	13259 Sherman Way, North Hollywood	Cal
Walkirt Co., 4	141 W. Hazel St, Inglewood 3	Cal
Waltham Electronics Corp., 6	751 Main St, Waltham 54	Mass
Warren Mfg. Co., Inc., 3-4	Newtown Rd, Littleton	Mass
Wells Industries Corp., 2-4-5-7-8-9	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp., 3-4-5	2102 S. Sepulveda Blvd, Los Angeles	Cal
Western Design Div., U.S. Industries, Inc., 3	Goleta	Cal
WESTINGHOUSE ELECTRIC CORP., 9, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 3-6-7-8-9	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 3, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wickes Engineering & Construction Co., 3-4	12th St & Ferry Ave, Camden 4	NJ
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla
Zacharias Electronics Corp., 1-5-6	P.O. Box 172, Livingston	NJ

AMPLIFIERS-DECADE See **AMPLIFIERS** *INSTRUMENTATION*
AMPLIFIERS-DIFFERENTIAL See **AMPLIFIERS** *—INSTRUMENTATION*
AMPLIFIERS-DISTRIBUTION See **AMPLIFIERS — TV**
AMPLIFIERS-FACSIMILE See **FACSIMILE EQUIPMENT**

AMPLIFIERS *—I-F*
1. GENERAL-PURPOSE 2. NARROW-BAND

Aeroflex Corp., 1	34-06 Skillman Ave, Long Island City 1	NY
AIRBORNE INSTRUMENTS LABS., DIV., CUTLER-HAMMER, INC., 2, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Alto Scientific Co., Inc., 1	855 Commercial St, Palo Alto	Cal
American Development Electronics Co., 1	212 Central Ave, Newark	NJ
APPLIED RESEARCH, INC., 1-2, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Applied Technology, Inc., 1-2	930 Industrial Ave, Palo Alto	Cal
Avionics Corp., 1-2	Maple Ave & Horsham Rd, Horsham	Pa
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
Cadre Industries Corp., 1-2	P.O. Box 150, Endicott	NY
California Magnetic Control Corp., 1-2	11922 Valerio St, North Hollywood	Cal
Canoga Div., Underwood Corp., 1	15330 Oxnard St, Van Nuys	Cal
Community Engineering Corp., 1-2	P.O. Box 824, State College	Pa
Continental Manufacturing, Inc., 1	1612 California St, Omaha	Neb
CONTROL ELECTRONICS CO., INC., 1, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Decade Instrument Co., 1	P.O. Box 153, Caldwell	NJ
Denson Electronics Corp., 1	P.O. Box 85, Rockville	Conn
Dynamic Electronics, Capehart Corp., 1-2	87-46 123 St, Richmond Hill 18	NY
EMPIRE DEVICES PRODUCTS CORP., 1-2, Adv Pg 454	**Amsterdam**	**NY**
Eric Engineering Co., 1	1823 Colorado Ave, Santa Monica	Cal
Fanon Electronic Industries, Inc., 1	439 Frelinghuysen Ave, Newark	NJ
Ferrotran Electronic Co., Inc., 1-2-5	693 Broadway, New York 12	NY
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electronic Labs., Inc., 1-2	18 Ames St, Cambridge	Mass
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
HRB-SINGER, INC., 1-2, Adv Pg 493	**Science Park, State College**	**Pa**
HALLICRAFTERS CO., 1-2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HERMES ELECTRONICS CO., 2, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hoffman Co., H.L., 1	35 Old County Rd, Westbury	NY
INSTRUMENTS FOR INDUSTRY, INC., 1-2, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Land-Air, Inc., 1-2	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 1-2	380 Oak St, Copiague	NY
MAXSON CORP., W.L., INSTRUMENTS DIV., 1, Adv Pg 508	**475 Tenth Ave, New York 18**	**NY**
Melabs, 1-2	3300 Hillview Ave, Palo Alto	Cal
Melpar, Inc., 2	3000 Arlington Blvd, Falls Church	Va
Miratel, Inc., 1-2	1080 Dionne St, St. Paul	Minn
Newport Scientific Co., 1-2	638 W. 17th St, Costa Mesa	Cal
Ortho Filter Corp., 2	7 Paterson St, Paterson	NJ
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
PARAPLEGICS MFG. CO., INC., 1-2, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
RS ELECTRONICS CORP., 1-2, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radio City Products Co., Inc., 1	Centre & Glendale Sts, Easton	Pa
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Remanco, 1-2	1630 Euclid St, Santa Monica	Cal
Resdel Engineering Corp., 1	330 S. Fair Oaks Ave, Pasadena	Cal
Rodale Electronics, 1	562 Grand Blvd, Westbury	NY
Servomechanisms, Inc., 2	12500 Aviation Blvd, Hawthorne	Cal
Spectra Electronics Co., 1-2	250 E. 3rd St, Mt. Vernon	NY
Strand Engineering Co., 1	1354 N. Main St, Ann Arbor	Mich
Stratocon Corp., 1	P.O. Box 10, Morristown	NJ
Taffet Electronics, Inc., 1	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
Telephonics Corp., 1	Park Ave, Huntington	NY
Temco Electronics Div., Temco Aircraft Corp., 1-2	P.O. Box 6191, Dallas 22	Tex
Trutone Electronics, Inc., 1	6912 Santa Monica Blvd, L A 38	Cal
United Control Corp., 1	4540 Union Bay Pl, Seattle 5	Wash
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
VARO MFG. CO., INC., 1-2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Waltham Electronics Corp., 1	751 Main St, Waltham 54	Mass
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY
WILCOX ELECTRIC CO., 1-2, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla

AMPLIFIERS *—INSTRUMENTATION & CONTROL*
1. DECADE 2. DIFFERENTIAL 3. NULL 4. RECORDING, INSTRUMENTATION 5. SERVO 6. STRAIN GAGE 7. TELEMETERING 8. VIBRATION PICKUP

A R & D A, 5	135 Main St, Belleville 9	NJ
ACROMAG, INC., 3-5-6, Adv Pg 320	**22515 Telegraph Rd, Southfield**	**Mich**
ACTON LABS, INC., 1, Adv Pg 222	**533 Main St, Acton**	**Mass**
Advance Instrument Corp., 5	1109 Sixth Ave, Neptune	NJ
Advanced Electronics, Inc., 8	94 Silas Deane Hwy, Rocky Hill	Conn
Advanced Technology Labs., 7	369 Whisman Rd, Mountain View	Cal
Aeroflex Corp., 5	34-06 Skillman Ave, Long Island City 1	NY
Aetna Electronics Corp., 5	Readington Rd, North Branch	NJ
Airesearch Mfg. Co of Ariz., 5	402 S. 36 St, Phoenix	Ariz
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-3-5-7, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
ALLEGANY INSTRUMENT CO., INC., 4-6-8, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
American Bosch Arma Corp., 2-6-7	320 Fulton Ave, Hempstead	NY

American Avionics, Inc., 5	2028-2032 Stoner Ave, Los Angeles 25	Cal
AMERICAN ELECTRONIC LABS., INC., 2-4, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Measurement & Control, Inc., 5-6	240 Calvary St, Waltham 54	Mass
AMERICAN OPTICAL CO., INSTRUMENT DIV., 4, Adv Pg 401	**Buffalo 15**	**NY**
American Research & Mfg. Corp., 8	920 Halpine Ave, Rockville	Md
Antlab, Inc., 4-5	6330 Proprietors Rd, Worthington	Ohio
Applied Dynamics, Inc., 1-2-3-4-5	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 2-4-6-7-8, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Applied Magnetics Corp., 4	Box 368, Goleta	Cal
Arnoux Corp., 2-5-6-7	11924 W. Washington Blvd, L.A. 66	Cal
Ascop Div., Electro-Mechanical Research, Inc., 7	P.O. Box 44, Princeton	NJ
Atchley Inc., Raymond, 5	2339 Cotner Ave, Los Angeles 64	Cal
Atlantic Research Corp., 8	Shirley Hwy at Edsall Rd, Alexandria	Va
ATLAS CONTROLS INC., 5-6, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Automatic Timing & Controls, Inc., 2-5	King of Prussia	Pa
Automation Industries, Inc., Datran Div., 4-6	1836 Rosecrans Ave, Manhattan Beach	Cal
Avco Corp., Crosley Div., 5	1329 Arlington St, Cincinnati 25	Ohio
Avionics Corp., 3-5-7	Maple Ave & Horsham Rd, Horsham	Pa
B & F Instruments, Inc., 6	3644 N. Lawrence St, Philadelphia 40	Pa
B & K Instruments, Inc., 1-4-8	3018 W. 106th St, Cleveland 11	Ohio
Bach Auricon, Inc., 4	6924 Romaine St, Hollywood 38	Cal
Bailey Meter Co., 4-7	1050 Ivanhoe Rd, Cleveland 10	Ohio
Baldwin-Lima Hamilton Corp., 3-4-6	42 Fourth Ave, Waltham 54	Mass
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
Barber Colman Co., 3-5	1300 Rock St, Rockford	Ill
Barnes Engineering Co., 4	30 Commerce Rd, Stamford	Conn
Beckman Instruments, Inc., Systems Div., 2	325 N. Muller Ave, Anaheim	Cal
Bell Aircraft Corp., 5-7	P.O. Box 1, Buffalo 5	NY
Bell, Inc., F.W., 2	1356 Norton Ave, Columbus 12	Ohio
Belock Instrument Corp., 5	112-03 14 Ave, College Point	NY
Bendix-Pacific Div., Bendix Aviation, 5-7	11600 Sherman Way, North Hollywood	Cal
Bergen Labs., Inc., 5	60 Spruce St, Paterson	NJ
Bogue Electric Mfg. Co., 5	52 Iowa Ave, Paterson 3	NJ
BOONTON ELECTRONIC CORP., 3, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
BOWMAR INSTRUMENT CORP., 2-5, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Brach Mfg. Corp., 5	200 Central Ave, Newark	NJ
BRIGGS ASSOCIATES, ING., 1-4, Adv Pg 546	**10 KeKalb St, Norristown**	**Pa**
Bristol Co., 4-7	P.O. Box 1790EBG, Waterbury 20	Conn
Bruel & Kjaer, 1-4-6-8	Lindealle 23, Naerum, Denmark	
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., 4-5-6, Adv. Pgs. 166,167	**37th and Perkins, Cleveland 14**	**Ohio**
Budd Co., 6	2450 Hunting Park Ave, Philadelphia 22	Pa
Burr-Brown Research Corp., 1-2-3-5	P.O. Box 6444, Tucson	Ariz
Bytrex Corp., 3-4-5-6	50 Hunt St, Newton	Mass
CG Electronics Corp., 7	15000 Central E., Albuquerque	NM
California Magnetic Control Corp., 1-2-3-4-5-6-7-8	11922 Valerio St, North Hollywood	Cal
Canadian Research Institute, 3	46 St. George St, Toronto 5, Ontario, Canada	
Canoga Div., Underwood Corp., 5	15330 Oxnard St, Van Nuys	Cal
Central Dynamics Ltd., 1-2-5	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Chance Vought Aircraft, Inc., 2-5	P.O. Box 5907, Dallas 22	Tex
CHESAPEAKE INSTRUMENT CORP., 8, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Cleveland Instrument Co., 2	6220 E. Schaaf Rd, Cleveland 31	Ohio
CompuDyne Corp., 3-5	400 S. Warminster Rd, Hatboro	Pa
Computer Engineering Associates, Inc., 2-6-8	350 N. Halstead St, Pasadena	Cal
Computer Measurements Corp., 1-4	5528 Vineland Ave, North Hollywood	Cal
Computer Systems, Inc., 5	611 Broadway, New York 12	NY
Computing Devices of Canada Ltd., 5	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Airborne Systems, 3-4-5	900 3rd Ave, New Hyde Park	NY
Consolidated Controls Corp., 5	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp., 4-6-7-8	360 N. Sierra Madre Villa, Pasadena	Cal
Control Devices, Inc., 2-6	925 S. Eton Rd, Birmingham	Mich
CONTROL DIV OF MAGNETICS, INC., 4-6-7, Adv Pg 322	**Butler**	**Pa**
CONTROL ELECTRONICS CO., INC., 5, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Technology Co., 2-3-5	1186 Broadway, New York 1	NY
Cooper Development Corp., 7	2626 S. Peck Rd, Monrovia	Cal
CRESCENT ENGINEERING & RESEARCH CO., 5-7-8, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
D & R Ltd., 2-3-5	402 E. Gutierrez, Santa Barbara	Cal
Dalmo Victor Co., Div., Textron, Inc., 5	1515 Industrial Way, Belmont	Cal
Data-Control Systems, Inc., 7	39 Rose St, Danbury	Conn
Data Equipment Co., 1-2-4	923 E. 3rd St, Los Angeles 13	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 2-3-4-6, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Daystrom-Transicoil Corp., 5	Worcester, Montgomery County	Pa
Daytronic Corp., 4-6-8	223-227 S. Jefferson St, Dayton	Ohio
Decade Instrument Co., 8	P.O. Box 153, Caldwell	NJ
Deeco Instruments, 7	14737 Arminta St, Van Nuys	Cal
Deltron, Inc., 3-5	4th & Cambria, Philadelphia 33	Pa
Designers for Industry, 4-5	4241 Fulton Pkwy, Cleveland 9	Ohio
Detroit Controls, Div of American-Standard, 6	5900 Trumbull, Detroit 8	Mich
Di An Controls, Inc., 5	40 Leon St, Boston 15	Mass
Diehl Mfg. Co., 5	1129 Finderne Ave, Somerville	NJ
Digital Instrument Labs., 2-3	152 S. Atlantic Blvd, Los Angeles	Cal
Djeco, Div., Djordjevic Engrg Co., 2	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1-2-3-4-6-7-8	888 Galindo St, Concord	Cal
Doty Acoustical Electronic Labs., 8	Tobyhanna	Pa
Dwyer Mfg. Co., F.W., 2	P.O. Box 373, Michigan City	Ind
Dynamics Instrumentation Co., 1-2-4-6-8	1118 Mission, S. Pasadena	Cal
E-H RESEARCH LABORATORIES, INC., 4, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
EMI-COSSOR ELECTRONICS LTD., 7-8, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
E O Electronics, Inc., 1	Mountain Lakes	NJ
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 5, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 5	81 Lakeside Ave, West Orange	NJ
Electric Eye Equipment Co., 5	1938 E. Fairchild St, Danville	Ill
ELECTRIC REGULATOR CORP., 2-3-5-6, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-2-4-5-6-8	3540 Aero Ct, San Diego	Cal
Electro-Mechanical Research, Inc., 7	P.O. Box 3041, Sarasota	Fla
Electro Precision Corp., 1-2-5	P.O. Box 669, Arkadelphia	Ark
Electrodynamic Instrument Corp., 4-8	1841 Old Spanish Trail, Houston 25	Tex
Electromation Co., 4-6-7	1646 18th St, Santa Monica	Cal
Electronic Associates, Inc., 4	Long Branch	NJ
Electronic Computer Co., Inc., 6	618 Maple St, Conshohocken	Pa
Electronic Development Corp., 4-6	423 W. Broadway, Boston 27	Mass
Ellis Associates, 6	Box 77, Pelham	NY
Ellison Draft Gage Co., Inc., 2	546 W. Monroe St, Chicago	Ill
ENDEVCO CORP., 8, Adv Pg 160	**161 E. California Blvd, Pasadena**	**Cal**
Ensco, Inc., 5-6	3100 Eldredge St, Salt Lake City	Utah
Epic, Inc., 3-4	150 Nassau St, New York 38	NY
EPSCO, INC., EQUIPMENT DIV., 4, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco-West, 2	240 E. Palais Rd, Anaheim	Cal
Erie-Pacific Div of Erie Resistor Corp., 1	12932 S. Weber Way, Hawthorne	Cal
Erwood Inc., 8	1770 Berteau Ave, Chicago 13	Ill
Essential Electronics Corp., 2	1011 Power Ave, Cleveland 14	Ohio
Evershed & Vignoles Ltd., 2-5-7	Chiswick, London W. 4, England	
Fae Instrument Corp., 2-5	42-61 Hunter St, Long Island City 1	NY
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-2-5-7	Robbins Ln, Syosset	NY
Fairfield Engineering Corp., 5	114 Manhattan St, Stamford	Conn
Farrall Instrument Co., 6	Box 658, Grand Island	Neb
Farrand Optical Co., Inc., 5	Bronx Blvd at 238th St, New York 70	NY
Fecker, Inc., J.W., 5	6592 Hamilton Ave, Pittsburgh 6	Pa
Feedback Controls, Inc., 2-5	8 Erie Dr, Natick	Mass
Ferrotran Electronic Co., Inc., 5	693 Broadway, New York 12	NY
Flight Research, Inc., 4	P.O. Box 1-F, Richmond 1	Va
Ford Instrument Co., Div., Sperry Rand Corp., 5	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The, 2-4-6	Foxboro	Mass
Franklin Electronics, Commun & Control Div., 4	5901 Noble Ave, Van Nuys	Cal
FREED TRANSFORMER CO., INC., 3, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Friez Instrument Div., Bendix Aviation Corp., 4-5	1400 Taylor Ave, Baltimore 4	Md
GPE Controls, Inc., 2-3-5	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The, 5	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Computers, Inc., 2	9000 W. Pico Blvd, Los Angeles 35	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 5, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electronic Labs., Inc., 5-7	18 Ames St, Cambridge	Mass
General Measurements Co., Inc., 8	1108 Beacon St, Newton Highlands 61	Mass
GENERAL RADIO CO., 3-8, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 3-4-6-7-8	3401 Shiloh Rd, Garland	Tex
Gertsch Products, Inc., 3	3211 S. La Cienega, Los Angeles 16	Cal
Gibbs Mfg. & Research Corp., 3-5-6	454 N. Main St, Janesville	Wisc
Gilfillan Bros., Inc., 2-4	1815 Venice Blvd, Los Angeles 6	Cal
Gilmore Industries, Inc., 3-4-5-6	13015 Woodland Ave, Cleveland 20	Ohio
Goldak Co., Inc., 8	Bept. E, 1544 W. Glenoaks, Glendale 1	Cal
Good Electronic Corp., 1-2-3-4-5-6-7-8	P.O. Box 2406, W. Palm Beach	Fla
Goodmans Industries Ltd., Axiom Works, 8	Wembley, Middlesex, England	
Gordon Enterprises, 4	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Guardian Electric Mfg. Co., 3-5	1621 W. Walnut St, Chicago 12	Ill
Gulton Industries, Inc., 1-4-5-7-8	212 Durham Ave, Metuchen	NJ
Hagan Chemicals & Controls, Inc., 3-4-6	Hagan Center, Pittsburgh 30	Pa
Halex, Inc., 3-5-6-7-8	310 E. Imperial Hwy, El Segundo	Cal
Hallamore Electronics Co., 7	714 N. Brookhurst Ave, Anaheim	Cal
Hamilton Watch Co., Industrial Div., 7	Lancaster	Pa
Hammarlund Mfg. Co., 4-7	460 W. 34th St, New York 1	NY
Hanson-Gorrill-Brian, Inc., 5	85 Hazel St, Glen Cove	NY
Hastings-Raydist, Inc., 2-4	Hampton 9	Va
Hathaway Instruments, Inc., 4-6	5800 E. Jewell Ave, Denver 22	Colo
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 4-6, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Herbach & Rademan, Inc., 6	1204 Arch St, Philadelphia 7	Pa
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 5	P.O. Box 978, Garland	Tex
Hickok Electrical Instrument Co., 1	10514 Dupont, Cleveland 8	Ohio
Hoover Electronics Co., 7	110 W. Timonium Rd, Timonium	Md
Huyck Systems Co., 1-2-3-4-5-7	360 Wolf Hill Rd, Huntington Sta	NY
HYDRO AIRE CO., 2, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
ITT Laboratories, 7	500 Washington Ave, Nutley 10	NJ
Industrial Control Co., 1-2-3-4-5-6	Central at Pinelawn, Farmingdale	NY
INDUSTRIAL TEST EQUIPMENT CO., 3-5, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Systems Corp., 4-5	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., 7, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
International Research Associates, 5-6	2221 Warwick Ave, Santa Monica	Cal
Johnson Electronics, Inc., 5	P.O. Box 1675, Casselberry	Fla
Jordan Controls, Inc., 5	3225 W. Hampton, Milwaukee 9	Wisc
Kahn & Co., Inc., 8	885 Wells Rd, Wethersfield	Conn
Kauke & Co., Inc., 7	1632 Euclid St, Santa Monica	Cal
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-5, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keithley Instruments, Inc., 1-2-3-4-6-8	12415 Euclid Ave, Cleveland 6	Ohio
Ketay Dept., Norden Div., United Aircraft Corp., 5	Jericho Tnpk, Commack	NY
KIN TEL DIV., COHU ELECTRONICS, 1-2-6, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Kollmorgen Optical Corp., 5	347 King St, Northampton	Mass
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 4	80-08 45th Ave, Elmhurst 73	NY
Laboratory for Electronics, Inc., 5	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 1-7-8	7444 W. Wilson Ave, Chicago 31	Ill
Leach Corp., 2-4-6-7	18435 Susana Rd, Compton	Cal
Lear, Inc., 5-6-7	3171 S. Bundy Dr, Santa Monica	Cal
Lear-Romec Div., Lear, Inc., 5	Abbe Rd, Elyria	Ohio
Leeds & Northrup Co., 3-4-6	4970 Stenton Ave, Philadelphia 44	Pa
Librascope Div., General Precision Inc., 2	808 Western Ave, Glendale 1	Cal
Ling Electronics Div., Ling Altec Electronics, 8	1515 Manchester, Anaheim	Cal
Link Div., Gen. Precision, Inc., 5	Nowlan Rd, Hillcrest, Binghamton	NY
Liquidometer Corp., 3-4-5	41-03 36th St, Long Island City 1	NY
Loral Electronics Corp., 5	825 Bronx River Ave, New York 72	NY
Lumen, Inc., 2-3-4-5-6-7	P.O. Box 905, Joliet	Ill
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 1-5-8, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Magnasync Corp., 4	5546 Satsuma Ave, North Hollywood	Cal
MAGNETIC AMPLIFIERS, INC., 5, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**

Magnetic Circuit Elements, Inc., 2-7	3722 Park Pl, Montrose	Cal
MAGNETIC INSTRUMENT CO., INC., 1-2-3-4-5, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Magnetic Research Corp., 2-4-5-6-7-8	3160 W. El Segundo Blvd, Hawthorne	Cal
Magnetico, Inc., 5	6 Richter Ct, East Northport	NY
Magtrol, Inc., 5	240 Seneca St, Buffalo 4	NY
Marquardt Corp., Pomona Div., 5-7	2709 N. Garey Ave, Pomona	Cal
Marsland Engineering, Ltd., 5	154 Victoria St S., Kitchener, Ontario, Canada	
MASSA DIV., COHU ELECTRONICS, INC., 2-4-6, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Mechatrol Div., Servomechanisms, Inc., 5	1200 Prospect Ave, Westbury	NY
Medistor Instrument Co., 2-4-6	1443 Northlake Way, Seattle 3	Wash
Melpar, Inc., 5	3000 Arlington Blvd, Falls Church	Va
Micro Gee Products., Inc., 1-2-3-4-5	6319 W. Slauson, Box 1005, Culver City	Cal
Microdyne, Inc., 2-6	1220 Washington, Wilmette	Ill
Micromag Instrument Corp., 6-7	115 Halleck St, Roxbury	Mass
Micrometrical Mfg. Co., 4	P.O. Box 1067, Ann Arbor	Mich
Midwestern Instruments, Inc., 4-6-7	P.O. Box 7186, Tulsa 18	Okla
Milgo Electronic Corp., 2-4	7620 N.W. 36th Ave, Miami 47	Fla
Mine Safety Appliances Co., 4	203 N. Braddock Ave, Pittsburgh	Pa
MINN-HONEYWELL, BOSTON DIV., 2-3-4, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Minn-Honeywell, Industrial Div., 2-5	Wayne & Windrim, Philadelphia 44	Pa
Missouri Research Labs., Inc., 8	2109 Locust St, St. Louis 3	Mo
Moeller Instrument Co., Electronics Div., 2-3-5-6	132nd St & 89th Ave, Richmond Hill 18	NY
MOSELEY CO., F.L., 4-5-6, Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Muirhead & Co., Ltd., 5	Beckenham, Kent, England	
Mullard Equipment, Ltd., 6	Torrington Pl, London W.C. 1, England	
Natel Engineering Co., Inc., 2-5-7	15922 Strathern St, Van Nuys	Cal
Neff Instrument Corp., 2-4-6-7	2211 E. Foothill Blvd, Pasadena	Cal
Networks Electronic Corp., 2-5-6-7-8	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 1-2-3-5-6-7-8	638 W. 17th St, Costa Mesa	Cal
NORTH ATLANTIC INDUSTRIES, INC., 3-5-6, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
NORTHEASTERN ENGINEERING, INC., 1-7, Adv. Pgs, 369-372	**P.O. Box 150, Manchester**	**NH**
Offner Electronics Inc., 2-4-6-8	3900 River Rd, Schiller Park	Ill
Oilgear Co., 5	1560 W. Pierce St, Milwaukee	Wisc
Optron Corp., 8	335 S. Salinas St, Santa Barbara	Cal
Orbit Instrument Corp., 5	131 Eileen Way, Syosset	NY
Otis Elevator Co., 1-5	35 Ryerson St, Brooklyn 5	NY
PIC Design Corp., Sub of Benrus Watch Co., Inc., 2	477 Atlantic Ave, East Rockaway	NY
Pace Engineering Co., 4-7	13035 Saticoy St, North Hollywood	Cal
Pacific Mercury Electronics, 7	8345 Hayvenhurst Ave, Sepulveda	Cal
Packard Bell Computer Corp., 2-4-6-8	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 4-7-8, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pegasus Laboratories, Inc., 5-6	3692 11 Mile Rd, Berkley	Mich
Pennsylvania Testing Lab., Inc., 3	Doylestown	Pa
Performance Measurements Co., 3-4-5	15120 Third Ave, Detroit 3	Mich
PHILBRICK RESEARCHES, INC., GEORGE A., 1-2-3-4, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philips Electronic Instruments, 4	750 S. Fulton Ave, Mt. Vernon	NY
Photocon Research Products, 6	421 N. Altadena Dr, Pasadena	Cal
Photographic Instrumentation Development Co., 4	19458 Ventura Blvd, Tarzana	Cal
Photomation, Inc., 4	96 S. Washington Ave, Bergenfield	NJ
Photron Instrument Co., 4-6-8	6516 Detroit Ave, Cleveland 2	Ohio
Pitometer Log Corp., 5	237 Lafayette St, New York 12	NY
Plug-In Instruments, Inc., 5-6	1416 Lebanon Rd, Nashville 10	Tenn
Polyphase Instrument Co., 6	E. Fourth St, Bridgeport	Pa
Potter Instrument Co., Inc., 4	Sunnyside Blvd, Plainview	NY
Power Supplies, Inc., 5	1007 Olive St, Highland	Ill
Precision Instrument Corp., 4	1011 Commercial St, San Carlos	Cal
PRECISION PRODUCTS DEPT NORTRONICS, DIV., NORTHROP CORP., 5, Adv Pg 315	**100 Morse St, Norwood**	**Mass**
Probescope Co., 7	8 Sagamore Hill Dr, Port Washington	NY
Quan-Tech Laboratories, Inc., 1-2-4-5-6	60 Parsippany Blvd, Boonton	NJ
Radiaphone Co., Inc., 4-7	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 7	Melbourne	Fla
Rahm Instruments Div., American Machine & Metals, Inc., 7	65 Rushmore St, Westbury	NY
Rangertone, Inc., 4	73 Winthrop St, Newark 4	NJ
Reeves Instrument Corp., 5	Roosevelt Field, Garden City	NY
Republic Electronic Industries Corp., 1-2-3-4-7	111 Gazza Blvd, Farmingdale	NY
Research Industrial Labs of Electronics, 2	Roslyn	Pa
Robinette Co., W.C., 5	802 Fair Oaks Ave, South Pasadena	Cal
Rockwell Engineering Co., 5	2125 E. 45th St, Indianapolis 5	Ind
Rodale Electronics, 5-7	562 Grand Blvd, Westbury	NY
Rohde & Schwarz, USA, Inc., 3	P.O. Box 275, Passaic	NJ
S-E Laboratories Ltd., 4-6	606 N. Felthan Trading Estate, Felthan, Middlesex, England	
SANBORN CO., 4-5-6, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
San Diego Scientific Corp., 4-7	3434 Midway Dr, San Diego 10	Cal
Schaevitz Engineering., 2-3-4-5-7	P. O. Box 505, Camden 1	NJ
Scott, Inc., H.H., 1-2-3-6-8	111 Powder Mill Rd, Maynard	Mass
Seiscor Div., Seismograph Service Corp., 4	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Servo Corp of America, 5	111 New South Rd, Hicksville	NY
Servo Development Corp., 5	567 Main St, Westbury	NY
Servomechanisms, Inc., 5-7	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 5	Crowborough, Sussex, England	
Servo-Tek Products Co., Inc., 5	1086 Goffle Rd, Hawthorne	NJ
Servotronics, Inc., 2-5	190 Gruner Rd, Buffalo 25	NY
SHALLCROSS MFG. CO., 1-3, Adv Pg 148	**Selma**	**NC**
Sierra Research Corp., 7-8	P.O. Box 22, Buffalo 25	NY
Singer Mfg. Co., Military Products Div., 5	149 Broadway, New York 3	NY
Smith-Florence, Inc., 6	4228 23rd W., Seattle	Wash
SOLID STATE ELECTRONICS CO., 7, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Soroban Engineering, Inc., 4	P.O. Box 1717, Melbourne	Fla
Sound Projects Co., Div., LeClair, 8	2410 S. Central Ave, Cicero 50	Ill
Southern Instruments, Ltd., 4-6-8	Frimley Rd, Camberley, Surrey, England	
Southwestern Ind. Electronics Co., 2-4-6-7-8	10201 Westheimer Rd, Houston 19	Tex
Space Electronics Corp., 7	930 Air Way, Glendale 1	Cal
Specialty Electronics Development Corp., 7	Eileen Way, Syosset	NY
Spectra Electronics Co., 1-2-3-4-6-7-8	250 E. 3rd St, Mt. Vernon	NY
Spectrol Electronics Corp., 5	1704 S. Del Mar, San Gabriel	Cal
Sperry Gyroscope Div., Sperry Rand, 5	Great Neck	NY
Sperry Phoenix Co., Div., Sperry Rand, 5	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Standard Telephones & Cables, Ltd., 1-4-7	63 Aldwych, London W. C. 2	England
STATHAM INSTRUMENTS, INC., 4-6-7-8, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stratocon Corp., 5	P.O. Box 10, Morristown	NJ
Streeter-Amet Co., 4-6-7	Grayslake	Ill
Summers Gyroscope Co., 5	2500 Broadway, Santa Monica	Cal
Summers & Mills, Inc., 5-6	911 W. Commerce, Dallas 8	Tex
Sun Electric Co., 8	6323 Avondale St, Chicago 31	Ill
Taber Instrument Corp., 1-2-3-4-5-6-8	107 Goundry St, North Tonawanda	NY
Taffet Electronics, Inc., 2	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2-5-6-7-8	23555 Euclid Ave, Cleveland 17	Ohio
Taylor Instrument Cos., 4-5-6	95 Ames St, Rochester	NY
TECHNOLOGY INSTRUMENT CORP., 1, Adv Pg 223	**533 Main St, Acton**	**Mass**
TELECHROME MFG. CORP., 7, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 4-7, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 5-6-7	P.O. Box 6191, Dallas 22	Tex
Ten Bosch, Inc., M., 5	80 Wheeler Ave, Pleasantville	NY
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 4	3609 Buffalo Spdwy, Houston 6	Tex
Thermo Electric Co., 3-4-5	Rochelle Park P.O., Saddle Brook	NJ
Thermovolt Instruments, Ltd., 1-3-4	70 Advance Rd, Toronto 18, Ontario, Canada	
THETA INSTRUMENT CORP., 3, Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Topp Industries, Inc., 2-3	5221 W. 102 St, Los Angeles 45	Cal
TOROTEL, INC., 2-3-5-6-7, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 5, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Tracerlab, Inc., 1-2-4	1601 Trapelo Rd, Waltham 54	Mass
Transval Electronics Corp., 5-7	2030 Maple Ave, El Segundo	Cal
Trepac Corp of America, 2-4	30 W. Hamilton Ave, Englewood	NJ
United Control Corp., 2-5	4540 Union Bay Pl, Seattle 5	Wash
United Electric Controls Co., 2-4	85 School St, Watertown 72	Mass
United Electrodynamics, Inc., 2-4-6-7-8	200 Allendale Rd, Pasadena	Cal
UNITED TRANSFORMER CORP., 1, Adv Pg 2nd Cover, 1, 2	**150 Varick St, New York 13**	**NY**
Universal Match Corp., Armament Div., 5	St. Louis 35	Mo
VARO MFG. CO., INC., 2-3-5-7, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vickers, Inc., Electric Products Div., 5	1899 Locust St, St. Louis 3	Mo
Video Instruments Co., Inc., 2-3-4-5-6-7-8	3002 Penna. Ave, Santa Monica	Cal
Voi-Shan Electronics, 2-5	13259 Sherman Way, North Hollywood	Cal
Waugh Engineering Co., 5	7842 Burnet Ave, Van Nuys	Cal
Wayne Kerr Corp., 8	1633 Race St, Philadelphia 3	Pa
Wells Industries Corp., 4-6	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp., 5-6-8	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westamp, Inc., 5	11277 Massachusetts Ave, L A 25	Cal
Western Design Div., U.S. Industries, Inc., 6-7-8	Goleta	Cal
Western Electro-Acoustic Lab., 4	11787 San Vicente Blvd, Los Angeles	Cal
Weston Hydraulics Sub., Borg-Warner, 5	7500 Tyrone Ave, Van Nuys	Cal
Westrex Corp., Div., Litton Industries, 4	540 W. 58th St, New York 19	NY
Wiancko Engineering Co., 7	255 N. Halstead, Pasadena	Cal
Wurlitzer Co., 7-8	North Tonawanda	NY
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 5, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**
Zacharias Electronics Corp., 1-2-3-4-5-8	P.O. Box 172, Livingston	NJ

AMPLIFIERS —*KEYING*

APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Bruno-New York Industries Corp	460 W. 34 St, New York 1	NY
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Good Electronic Corp	P.O. Box 2406, W. Palm Beach	Fla
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Miratel Inc	1080 Dionne St, St. Paul	Minn
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

AMPLIFIERS —*MAGNETIC*

1. COMPUTING TYPES (Incl. POWER, LOGIC, MEMORY, OPERATIONAL, ETC.) 2. POWER SUPPLY 3. PREAMPLIFIERS & LOW-LEVEL 4. PROPORTIONING 5. REGULATORS, VOLTAGE & CURRENT 6. SERVO 7. SPEED CONTROL 8. SWITCHES & RELAYS See Also

REACTORS —*SATURABLE*

AC Electronics, Inc., 2-3-5	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 1-2-3-4-5-6-7-8, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 2, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
AEG, 1-2-3-4-5-6	Hochhaus Sued, Frankfurt/Main, Germany	
A R & D A, 2-6-7	135 Main St, Belleville 9	NJ
ACME ELECTRIC CORP., 2-5, Adv Pg 511	**Water St, Cuba**	**NY**
ACROMAG, INC., 1-3-5-6-7-8, Adv Pg 320	**22515 Telegraph Rd, Southfield**	**Mich**
AD-YU ELECTRONICS LAB., INC., 8, Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Aeroflex Corp., 2-3-5	34-06 Skillman Ave, Long Island City 1	NY
Aerolab Development Co., 2-5	330 W. Holly St, Pasadena	Cal
Airborne Accessories Corp., 2-3	1414 Chestnut Ave, Hillside	NJ
Airesearch Mfg. Co of Ariz., 2-5-6-7-8	402 S. 36 St, Phoenix	Ariz
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-3-6, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Allen-Bradley Co., 8	136 W. Greenfield Ave, Milwaukee 4	Wisc
Alwac Computer Div., El-Tronics, Inc., 1	13040 S. Cerise, Hawthorne	Cal
American Avionics, Inc., 2	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Electronics, Inc., Instrument Div., 6	9503 W. Jefferson Blvd, Culver City	Cal
American Electronics, Inc., Precision Power Div., 2-5	9705 Klingerman St, El Monte	Cal
American-Monarch Corp., 2-5	2801 37 Ave N.E., Minneapolis 18	Minn
American Rectifier Corp., 2-5	95 Lafayette St, New York 13	NY
American Research & Mfg. Corp., 1-2-3-4-5-6-7	920 Halpine Ave, Rockville	Md
Anders Electric Products, Inc., 2-5	50 Brook Rd, Needham Heights 94	Mass
Appalachian Electronic Instruments, 3	812 W. Monroe Ave, Ronceverte	W. Va
APPLIED ELECTRONICS CORP OF N.J., 1-3-8, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
ARNOLD MAGNETICS CORP., 2-6, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Arnoux Corp., 1-2-6	11924 W. Washington Blvd, L.A. 66	Cal
Atchley Inc., Raymond, 6	2339 Cotner Ave, Los Angeles 64	Cal
ATLAS CONTROLS INC., 2-5-6, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
ATLAS ENGINEERING CO., 2-5-7, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Automation Industries, Inc., 2	3613 Aviation Blvd, Manhattan Beach	Cal

Automation Industries, Inc., Magnetics Div., 2-5	771 Hamilton Ave, Menlo Park	Cal
Avionics Corp., 6	Maple Ave & Horsham Rd, Horsham	Pa
Baldwin Piano Co., 3	1801 Gilbert St, Cincinnati 2	Ohio
Belock Instrument Corp., 6	112-03 14 Ave, College Point	NY
Bergen Labs., Inc., 5	60 Spruce St, Paterson	NJ
BOWMAR INSTRUMENT CORP., 6-7, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Brach Mfg. Corp., 2-3-4-5-6-7-8	200 Central Ave, Newark	NJ
Bristol Co., 4-8	P.O. Box 1790EBG, Waterbury 20	Conn
Bytrex Corp., 2-4-5-6	50 Hunt St, Newton	Mass
CBC ELECTRONICS CO., INC., 1, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Cadre Industries Corp., 2-3	P.O. Box 150, Endicott	NY
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
Carruthers & Fernandez, Inc	1501 Colorado Ave, Santa Monica	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 2-3-4-5-6-7-8, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Clifton Mfg. Co., Inc., 2-5-7	20 N. Springfield Rd, Clifton Heights	Pa
Coil Co of America, Inc., 2-5-7-8	220 Washington St, Northvale	NJ
Coil Winders, Inc., 2	Ames Ct., Plainview	NY
Coilcraft, Inc., 2	Cary	Ill
Coils-Electronics Co., 2	2939-49 N. 2nd St, Philadelphia 33	Pa
Coldstream Engineering Co., 3	P.O. Box 1893, Tulsa	Okla
COMMUNICATION ACCESSORIES CO., 3-6, Adv Pg 271	**Hwy 50 & 71 ByBass, Lee's Summit**	**Mo**
Control Data Corp., Cedar Engr. Div., 3-6	501 Park Ave, Minneapolis 15	Minn
CONTROL, DIV OF MAGNETICS, INC., 1-2-3-4-5-6-7, Adv Pg 322	**Butler**	**Pa**
CONTROL ELECTRONICS CO., INC., 3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Technology Co., 2-6-7-8	1186 Broadway, New York 1	NY
Cycle Transformer Corp., 2-3-5-6-8	354 Glenwood Ave, East Orange	NJ
D & R Ltd., 2-3-5-6-7	402 E. Gutierrez, Santa Barbara	Cal
Data Equipment Co., 1	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control Systems Div., 1	4455 Miramar Rd, La Jolla	Cal
Deeco Instruments, 2-4-7	14737 Arminta St, Van Nuys	Cal
DeHavilland Aircraft/Spec. Prods. Div., 2-4-6	Downsview, Ontario, Canada	
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 2, Adv Pg 467	**Drawer 2666, Jackson**	**Miss**
Designers for Inudstry, 6	4241 Fulton Pkwy, Cleveland 9	Ohio
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
DIETZ DESIGN, INC., 1-2-3-4-5-6-7-8, Adv Pg 499	**Grandview 6**	**Mo**
Djeco, Div., Djordjevic Engrg Co., 1-2-3-4-5-7	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1-3-4	888 Galindo St, Concord	Cal
EMI-COSSOR ELECTRONICS LTD., 1, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
E.P. Electric Products Co., Ltd., 2-3-5-6-7	9720 Waverly St, Montreal 12, Que, Canada	
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 6, Adv. Pgs. 193-196	**Teterboro**	**NJ**
ELECTRIC REGULATOR CORP., 3-4-5-6-7-8, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro-Mechanical Spec Co., Inc., 8	528 Lambert Rd, Whittier	Cal
ELECTRO SEAL CORP., 5-6-7-8, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro-Switch & Controls, Inc., 8	5755 Camille Ave, Culver City	Cal
Electrodynamic Instrument Corp., 5	1841 Old Spanish Trail, Houston 25	Tex
Electronic Associates, Inc., 1-6	Long Branch	NJ
Electronic Components Div., Telecomputing Corp., 5	14706 Arminta St, Van Nuys	Cal
Electronic Development Corp., 1-2-3-5	423 W. Broadway, Boston 27	Mass
Electronic Production & Development, Inc., 2	501 N. Prairie Ave, Hawthorne	Cal
ELECTRONIC SPECIALTY CO., 2-5-8, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Ellison Draft Gage Co., Inc., 8	546 W. Monroe St, Chicago	Ill
Emerson Radio & Phonograph Corp., 1	14th & Coles Sts, Jersey City	NJ
Engineered Magnetics Div., Gulton, 2-3-5-6	13041 Cerise Ave, Hawthorne	Cal
EPSCO, INC., COMPONENTS DIV., 1, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco-West, 1	240 E. Palais Rd, Anaheim	Cal
Eric Engineering Co., 3	1823 Colorado Ave, Santa Monica	Cal
Evershed & Vignoles Ltd., 5-6	Chiswick, London W. 4, England	
Fairfield Engineering Corp., 2-3-5-6-7-8	114 Manhattan St, Stamford	Conn
Farrand Optical Co., Inc., 6	Bronx Blvd at 238th St, New York 70	NY
Feedback Controls, Inc., 6	8 Erie Dr, Natick	Mass
Fidelity Instrument Corp., 2-5-7	1000 E. Boundary Ave, York	Pa
Forbes & Wagner, Inc., 1-2-3-4-5-6-8	345 Central Ave, Silver Creek	NY
Ford Instrument Co., Div., Sperry Rand Corp., 1-6	31-10 Thomson Ave, Long Island City 1	NY
Foto-Video Electronics, Inc., 2-3-5	36 Commerce Rd, Cedar Grove	NJ
FREED TRANSFORMER CO., INC., 2-5-6, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Garrett Corp., The, 2-5-6-7	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES RADIO CO., 2-3-5, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 2-3-8, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-3-4-5-7-8, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electronic Labs., Inc., 6	18 Ames St, Cambridge	Mass
GENERAL MAGNETICS, INC., 1-2-3-4-5-6-7-8, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
GENERAL METERS, INC., 5, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Geotronic Labs., Inc., 2-5	1314 Cedar Hill Ave, Dallas 8	Tex
Good Electronic Corp., 3	P.O. Box 2406, W. Palm Beach	Fla
Green Rectifier Co., 2-5-7	1-10 30th St, Fair Lawn	NJ
Grigsby Co., Inc., 8	407 N. Salem Ave, Arlington Heights	Ill
Gulton Industries, Inc., 2-5	212 Durham Ave, Metuchen	NJ
Gyra Electronics Corp., 5	P.O. Box 184, La Grange	Ill
Hadley Co., Inc., Robert M.	5112 S. Hoover St, Los Angeles 37	Cal
Hagan Chemicals & Controls, Inc., 1-2	Hagan Center, Pittsburgh 30	Pa
HARREL, INC., 3-4-8, Adv Pg 395	**1788 First Ave, New York**	**NY**
Heath Co., A Sub of Daystrom, Inc., 2	Benton Harbor	Mich
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2-3-4-5-6-7	P.O. Box 978, Garland	Tex
Hill & Co., E. Vernon, 5	P.O. Box 189, Lake Geneva	Wisc
Hoffman Co., H.L., 3-5	35 Old County Rd, Westbury	NY
Hoover Electronics Co., 5	110 W. Timonium Rd, Timonium	Md
Huyck Systems Co., 1-2-5-6-7	360 Wolf Hill Rd, Huntington Sta	NY
HYDRO AIRE CO., 2-5-6-7, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
I-L-S Instrument Div., Meriam Instrument Co., 2	4525 W. 160th St, Cleveland 35	Ohio
ITT Laboratories, 1-2	500 Washington Ave, Nutley 10	NJ
Inductor Engineering Inc., 1-2-3-6	117 Schley Ave, Lewes	Del
Industrial Control Co., 6-7	Central at Pinelawn, Farmingdale	NY
Intercontinental Electronics, 2-5-6	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 1-2-3-5, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Interlab, Inc., 2-3	437-5th Ave, New York 16	NY
International Research Associates	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 2-5	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp., 6	707 E. Vermont Ave, Anaheim	Cal
Johnson Electronics, Inc., 2-5-6	P.O. Box 1675, Casselberry	Fla
Jordan Controls, Inc., 6-7	3225 W. Hampton, Milwaukee 9	Wisc
Kahn & Co., Inc., 7	885 Wells Rd, Wethersfield	Conn
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4-5-6-7-8, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelk Ltd., George, 5	5 Lesmill Rd, Don Mills, Ontario	
Kenyon Transformer Co., Inc., 2-5	1057 Summit Ave, Jersey City 7	NJ
Ketay Dept., Norden Div., United Aircraft Corp., 6	Jericho Trnpk, Commack	NY
Kollmorgen Optical Corp., 6-7	347 King St, Northampton	Mass
Laboratory for Electronics, Inc., 5-6-7	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 3-6	7444 W. Wilson Ave, Chicago 31	Ill
Leach Corp., 5	18435 Susana Rd, Compton	Cal
Lear, Inc., 2-5	3171 S. Bundy Dr, Santa Monica	Cal
Lear-Romec Div., Lear, Inc., 6	Abbe Rd, Elyria	Ohio
Lee Electric & Mfg. Co., 2-5	2806 Clearwater St, Los Angeles 39	Cal
Leland Airborne Products, Div., AMF, 2-5	P.O. Box 128, Vandalia	Ohio
Librascope Div., General Precision Inc., 1-6	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 6	Nowlan Rd, Hillcrest, Binghamton	NY
Lumen, Inc., 2-3-4-5-6-7	P.O. Box 905, Joliet	Ill
Lumenite Electric Co., 8	407 S. Dearborn St, Chicago 5	Ill
MAGNETIC AMPLIFIERS, INC., 1-2-3-4-5-6-7-8, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Circuit Elements, Inc., 2	3722 Park Pl, Montrose	Cal
MAGNETIC CONTROLS CO., 1-2-4-5-8, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
MAGNETIC INSTRUMENT CO., INC., 3-5, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Magnetic Research Corp., 2-3-5-6	3160 W. El Segundo Blvd, Hawthorne	Cal
Magnetic Specialties, Inc., 2-5	P.O. Box 476, Trenton 3	NJ
Magnetico, Inc., 1-3-6-7-8	6 Richter Ct, East Northport	NY
Magnetics Research Co., 1	255 Grove St, White Plains	NY
Marathon Electric Mfg. Corp., 2-5-7	Randolph & Cherry Sts, Wausau	Wisc
Marquardt Corp., Pomona Div., 1	2709 N. Garey Ave, Pomona	Cal
MENLO PARK ENGINEERING, 5, Adv Pg 482	**711 Hamilton Ave, Menlo Park**	**Cal**
Meredith & Co., Ltd., C.C., 2-5	80 Thomas St, Streetsville, Ontario, Canada	
Micro Gee Products, Inc., 1-2-4-5-6-7	6319 W. Slauson, Box 1005, Culver City	Cal
Micromag Instrument Corp., 2-3-4-5-6-7-8	115 Halleck St, Roxbury	Mass
Micropulse Engineering	1122 W. Magnolia, Burbank	Cal
Milgo Electronic Corp., 1-6	7620 N.W. 36th Ave, Miami 47	Fla
Minitran Corp., 2-4-5-6	5 Oliver St, Newark 2	NJ
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Missouri Research Labs., Inc., 6	2109 Locust St, St. Louis 3	Mo
Motoresearch Co., 2	1405 16th St, Racine	Wisc
Networks Electronic Corp., 2-3-4-5-6-7-8	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 2-3-5-6	638 W. 17th St, Costa Mesa	Cal
New York Transformer Co., Inc., 2	Third Ave, Alpha	NJ
Norbatrol Electronics Corp., 1-2-3-4-5-6-7-8	356 Collins Ave, Pittsburgh 6	Pa
OPAD ELECTRIC CO., 2-5-7, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Ortho Filter Corp., 2-5	7 Paterson St, Paterson	NJ
Pacific Magnetic Corp., 1-2-3-4-5-6-7-8	Electronic Center, Romoland	Cal
Palo Alto Engineering Co., 2-5	620 Page Mill Rd, Palo Alto	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Performance Measurements Co., 5	15120 Third Ave, Detroit 3	Mich
Permoflux Products Co., 2	4101 San Fernando Rd, Glendale	Cal
Pintsch Bamag AG, 2-5-7	Postfach 11, Butzbach, Germany	
POWER DESIGNS, INC., 2-5, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Sources, Inc., 2	South Ave, Burlington	Mass
Power Supplies, Inc., 1-2-3-5-6-7	1007 Olive St, Highland	Ill
PRECISION PRODUCTS DEPT NORTRONICS, DIV., NORTHROP CORP., 6, Adv Pg 315	**100 Morse St, Norwood**	**Mass**
Ramyr Mfg. Co., 2	1779 N. Main St, Los Angeles 31	Cal
RED BANK DIV., BENDIX AVIATION CORP., 5, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
REFLECTONE ELECTRONICS, INC., 6, Adv Pg 240	**Post Rd & Myano Ln, Stamford**	**Conn**
Regulators, Inc., 2-3-4-5-7	455 W. Main St, Wyckoff	NJ
Rese Engineering Corp., 1	731 Arch St, Philadelphia 6	Pa
Research Industrial Labs of Electronics, 8	Roslyn	Pa
Robinette Co., W.C., 6-7	802 Fair Oaks Ave, South Pasadena	Cal
Rockwell Engineering Co., 6-7	2125 E. 45th St, Indianapolis 5	Ind
Rytron Co., Inc., 5-7	7301 Lankershim Blvd, North Hollywood	Cal
San Diego Scientific Corp., 1-2-3	3434 Midway Dr, San Diego 10	Cal
Sel-Rex Corp., 2-5	75 River Rd, Nutley 10	NJ
Servo Corp of America, 6	111 New South Rd, Hicksville	NY
Servomechanisms, Inc., 1-2-3-4-5-6-7-8	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc., 2-5-6-7	1086 Goffle Rd, Hawthorne	NJ
Shawmut Engineering Co., 5-8	195 Freeport St, Boston	Mass
Sickles F.W., Div., General Instrument Corp., 2	165 Front St, Chicopee	Mass
Space Electronics Corp., 2	930 Air Way, Glendale 1	Cal
Spec-Tronics, 2-3	13942 Saticoy Ave, Van Nuys	Cal
Sperry Phoenix Co., Div., Sperry Rand, 6	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sprague Engineering Corp., 2-5	19300 S. Vermont Ave, Gardena	Cal
Standard Electronics Div., Reeves Instrument Corp., 5	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2-5-8	63 Aldwych, London W. C. 2	England
Stratocon Corp., 7	P.O. Box 10, Morristown	NJ
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2-5-7	23555 Euclid Ave, Cleveland 17	Ohio
TELECHROME MFG. CORP., 8, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 8	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 2-3, Adv.Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telemeter Magnetics, Inc., 1	P.O. Box 329, Culver City	Cal
Temco Electronics Div., Temco Aircraft Corp., 6-8	P.O. Box 6191, Dallas 22	Tex
Tenco Electronics, Inc., 2-5	811 Boylston St, Boston	Mass
TOROTEL, INC., 1-2-3-4-5-6-7-8, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 2-3-4-5-6-7-8, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transdyne Corp., 6	43 Albertson Ave, Albertson	NY
Transformer Design, Inc of Milwaukee, 1-2-3-4-6	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 2	285 N. Halstead Ave, Pasadena	Cal
Transformer Specialty Co., 2	1400 Mill Creek Rd, Gladwyne	Pa
Transformers, Inc., 1-2-5-6-7	200 Stage Rd, Vestal	NY
Transonic, Inc	808 16th St, Bakersfield	Cal
Transval Electronics Corp., 2-3	2030 Maple Ave, El Segundo	Cal

Trepac Corp of America, 8	30 W. Hamilton Ave, Englewood	NJ
Tresco, Inc., 2-3-5-8	3824 Terrace St, Philadelphia 28	Pa
TRIO LABORATORIES, INC., 2-6, Adv Pg 283	**Plainview**	**NY**
United Control Corp., 5-6-8	4540 Union Bay Pl, Seattle 5	Wash
UNITED TRANSFORMER CORP., 2-3-5, Adv Pg 2nd Cover, 1, 2	**150 Varick St, New York 13**	**NY**
Universal Toroid Coil Winding, Inc., 2-3-5	171EB Coit St, Irvington	NJ
Universal Transistor Products Corp., 2-5	36 Sylvester St, Westbury	NY
VARI-L CO., INC., 3, Adv Pg 330	**P.O. Box 1433, Stamford**	**Conn**
YARO MFG. CO., INC., 1-2-3-4-5-6-7-8, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vickers, Inc., Electric Products Div., 2-3-5-6-7	1899 Locust St, St. Louis 3	Mo
Viking Industries, Inc., 6	21343 Roscoe Blvd, Canoga Park	Cal
Voi-Shan Electronics, 3-5-6	13259 Sherman Way, North Hollywood	Cal
Warren Mfg. Co., Inc., 2-5	Newtown Rd, Littleton	Mass
West Coast Research Corp., 1	2102 S. Sepulveda Blvd, Los Angeles	Cal
Western Design Div., U.S. Industries, Inc., 2-3-5	Goleta	Cal
Westrex Corp., Div., Litton Industries, 2-3	540 W. 58 St, New York 19	NY
Wickes Engineering & Construction Co., 2-5	12th St & Ferry Ave, Camden 4	NJ

AMPLIFIERS —*MEDICAL INSTRUMENT*

Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Brach Mfg. Corp	200 Central Ave, Newark	NJ
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Coldstream Engineering Co	P.O. Box 1893, Tulsa	Okla
Control Technology Co	1186 Broadway, New York 1	NY
Decade Instrument Co	P.O. Box 153, Caldwell	NJ
Electrodyne Co	Endicott St, Norwood	Mass
Electronic Development Corp	423 W. Broadway, Boston 27	Mass
Farrall Instrument Co	Box 658, Grand Island	Neb
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
INTERELECTRONICS CORP., Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
MAGNETIC AMPLIFIERS, INC., Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Research Corp	3160 W. El Segundo Blvd, Hawthorne	Cal
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Photron Instrument Co.,	6516 Detroit Ave, Cleveland 2	Ohio
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Southern Instruments, Ltd	Frimley Rd, Camberley, Surrey, England	
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Tektronix, Inc	P.O. Box 831, Portland 7	Ore
TOROTEL, INC., Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**

AMPLIFIERS —*MICROWAVE*

1. CARCINOTRON 2. KLYSTRON 3. MAGNETRON 4. MASER 5. PARAMETRIC 6. RADAR 7. SPECTRUM 8. TRAVELING WAVE TUBE 9. TRIODE

Adler Electronics, Inc., 7-9	1 Lefevre Ln, New Rochelle	NY
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 5, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 5-9	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries, 5-6	200 E. Hanover Ave, Morris Plains	NJ
Alfred Electronics, 1-8	897 Commercial St, Palo Alto	Cal
AMERAC, INC., 2-6-9, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
APPLIED RESEARCH, INC., 5, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Applied Technology, Inc., 5-8-9	930 Industrial Ave, Palo Alto	Cal
Automation Industries, Inc., 2-8	3613 Aviation Blvd, Manhattan Beach	Cal
Bell Aircraft Corp., 1-2-3-6-7-8	P.O. Box 1, Buffalo 5	NY
Bendix-Pacific Div., Bendix Aviation, 2-3-6-8-9	11600 Sherman Way, North Hollywood	Cal
BOMAC LABORATORIES, INC., 1-2-3, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Browning Labs., Inc., 2	100 Union Ave, Laconia	NH
Budd Lewyt Electronics, Inc., 5-6-8	43-22 Queens St, Long Island City 1	NY
BUDELMAN ELECTRONICS CORP., 9, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
Canadian Aviation Electronics Ltd., 5	6214 Cote de Liesse Rd, Montreal 9, Canada	
Canadian Marconi Co., 8	2444 Trenton Ave, Montreal, Canada	
Canoga Div., Underwood Corp., 6	15330 Oxnard St, Van Nuys	Cal
CARBORUNDUM CO., GLOBAR PLANT, 3, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Continental Electronics Mfg. Co., 2-6	4212 S. Buckner Blvd, Dallas 27	Tex
CONTROL ELECTRONICS CO., INC., 2-5-6-8, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Data Equipment Co., 5	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry, 6	4241 Fulton Pkwy, Cleveland 9	Ohio
EMI-COSSOR ELECTRONICS LTD., 2-3, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EITEL-McCULLOUGH, INC., 2-8-9, Adv Pgs 328, 329	**301 Industrial Way, San Carlos**	**Cal**
Electron-Radar Products, 6	4806 W. Chicago Ave, Chicago 51	Ill
ELECTRONIC SPECIALTY CO., 8, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
EMPIRE DEVICES PRODUCTS CORP., 9, Adv Pg 454	**Amsterdam**	**NY**
FXR, Inc., 2-3-8, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FERRANTI ELECTRIC, INC., 2, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Foto-Video Electronics, Inc., 6	36 Commerce Rd, Cedar Grove	NJ
General Electric Co., Heavy Military Electronics Dept., 2-5-6-9	Court St, Syracuse	NY
GENERAL ELECTRIC CO., POWER TUBE DEPT., 2-3-8, Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
General Electronic Labs., Inc., 9	18 Ames St, Cambridge	Mass
Gilfillan Bros., Inc., 5-6	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John, 9	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co., 6	333 Adelaide Ave, Providence 7	RI
Granger Associates, 2-6-8	974 Commercial St, Palo Alto	Cal
Gulton Industries, Inc., 7	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., 1-2-3-6-8, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 8, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 2-3-8	35 Old County Rd, Westbury	NY
Hughes Microwave Components Div., 5	Florence & Teale, Culver City	Cal
Hughes Microwave Tube Div., 6-8	Intl. Airport Station, Los Angeles 45	Cal
Huyck Systems Co., 6	360 Wolf Hill Rd, Huntington Sta	NY
ITT Laboratories, 2-3-4-5-6-7-8-9	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 6	129-07 18th Ave, College Point 56	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 3-6-8-9, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
KAY ELECTRIC CO., 3, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., 4-5-6-8, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Kellogg Switchboard & Supply Co., 5	6650 S. Cicero Ave, Chicago 39	Ill
Knight Corp., Ewen, 4-5-6-8-9	Oak & Pine Sts, East Natick	Mass
Laboratory for Electronics, Inc., 2-4-5-6	1079 Commonwealth, Boston 15	Mass
Lear, Inc., 5-9	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 5-6-8-9	380 Oak St, Copiague	NY
Levinthal Electronic Products, Inc., 1-2-3-6-8	3180 Hanover St, Palo Alto	Cal
Litton Industries, Electron Tube Div., 1-2-3-8	960 Industrial Rd, San Carlos	Cal
Marconi's Wireless Telegraph Co., Ltd., 6-8	750 Third Ave, New York 17	NY
Mechanical Products Inc. Electronic Sys. Div., 2	1824 River St, Jackson	Mich
Melabs, 1-4-8	3300 Hillview Ave, Palo Alto	Cal
MENLO PARK ENGINEERING, 8, Adv Pg 482	**711 Hamilton Ave, Menlo Park**	**Cal**
Microwave Associates, Inc., 5	Burlington	Mass
Microwave Development Labs. Inc., 2-6	92 Broad St, Babson Park 57	Mass
Microwave Electronics Corp., 1-8	4061 Transport St, Palo Alto	Cal
Peer, Incorporated, 2-6	2624 Shelby St, Dallas 19	Tex
Pitometer Log Corp., 6	237 Lafayette St, New York 12	NY
RS ELECTRONICS CORP., 6, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radio Engineering Labs., Inc., 2-5-8	29-01 Borden Ave, Long Island City 1	NY
Ram Electronics, Inc., 6	600 Industrial Ave, Paramus	NJ
RED BANK DIV., BENDIX AVIATION CORP., 2-8, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Resdel Engineering Corp., 5-6-9	330 S. Fair Oaks Ave, Pasadena	Cal
Sage Laboratories, Inc., 5	3 Huron Dr, Natick	Mass
Scientific-Atlanta, Inc., 1	2162 Piedmont Rd N.E., Atlanta 9	Ga
SIERRA ELECTRONIC CORP., 2, Adv. Pgs. 318, 319	**3885 Bonhannon Dr, Menlo Park**	**Cal**
Sperry Electronic Tube Div., Sperry Rand Corp., 2-8	P.O. Box 652, Gainesville	Fla
SPERRY MICROWAVE ELECTRONICS CO., 5, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd., 1-2-4-6-7-8-9	63 Aldwych, London W. C. 2	England
Strand Engineering Co., 6	1354 N. Main St, Ann Arbor	Mich
Stromberg-Carlson Div., Gen Dynamics Corp., 6	100 Carlson Rd, Rochester 3	NY
Sylvania Electronic Systems, 2-3-6-8	63 Second Ave, Waltham	Mass
TELERAD MFG. CORP., 2, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
21st Century Electronics, Inc., 6	P.O. Box 2326, Riverside	Cal
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
United Shoe Machinery Corp., Antenna & Microwave Sec., 5-6	Balch St, Beverly	Mass
VARIAN ASSOCIATES, 2-6-8, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Watkins-Johnson Co., 2-5-6-8	3333 Hillview Ave, Palo Alto	Cal
Zenith Radio Corp., 5	6001 Dickens Ave, Chicago 39	Ill

AMPLIFIERS-MUSICAL INSTRUMENT See **AMPLIFIERS** —*A-F*
AMPLIFIERS-NULL See **AMPLIFIERS** —*INSTRUMENTATION*
AMPLIFIERS-OPERATIONAL See **AMPLIFIERS** —*COMPUTER*
AMPLIFIERS-PHOTOELECTRIC See **CONTROLS** —*PHOTOELECTRIC*
AMPLIFIERS-PRINTED-CIRCUIT See **CIRCUITS** —*PRINTED WIRING, CUSTOM SERVICE:* **CIRCUITS** —*PACKAGED*
AMPLIFIERS-RECORDING, INSTRUMENTATION See **AMPLIFIERS** — *INSTRUMENTATION*

AMPLIFIERS —*R-F*

1. GENERAL-PURPOSE 2. NARROW-BAND 3. PEAK-LIMITING 4. POWER 5. PREAMPLIFIERS (BOOSTERS), A-M, F-M & COMMUNICATION POWER 6. PREAMPLIFIERS, OSCILLOSCOPE 7. PULSE 8. PULSE-LIMITING 9. SPECTRUM 10. SWEEP 11. VIDEO 12. VIDEO MIXER 13. WIDE-BAND

AC Electronics, Inc., 1	11725 Mississippi Ave, Los Angeles 25	Cal
A R & D A, 7	135 Main St, Belleville 9	NJ
ACTON LABS, INC., 13, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adler Electronics, Inc., 4-5-13	1 Lefevre Ln, New Rochelle	NY
Aeroflex Corp., 5	34-06 Skillman Ave, Long Island City 1	NY
Aerolite Electronics Corp., 5	2207 Summit Ave, Union City	NJ
Aeronautical Electronics, Inc., 4	P.O. Box 6527, Raleigh	NC
Airesearch Mfg. Co of Ariz., 5	402 S. 36 St, Phoenix	Ariz
Airmec Ltd., 13	High Wycombe, Buckinghamshire, England	
Alpha Instrument Co., 13	43 Hempstead St, New London	Conn
AMERAC, INC., 7, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Bosch Arma Corp., 4-13	320 Fulton Ave, Hempstead	NY
American Development Electronics Co., 4	212 Central Ave, Newark	NJ
AMERICAN ELECTRONIC LABS., INC., 11-13, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Amtron Corp., 4-7	17 Felton St, Waltham	Mass
Analab Instrument Corp., 6	30 Canfield Rd, Cedar Grove	NJ
Andersen Laboratories, Inc., 1-13	501 New Park Ave, West Hartford	Conn
Antennavision, Inc., 3-5-13	2949 W. Osborn Rd, Phoenix	Ariz
Applied Electronics Co., 4	213 E. Grand Ave, South San Francisco	Cal
APPLIED RESEARCH, INC., 1-2-4-5-13, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Applied Technology, Inc., 2-4-5-13	930 Industrial Ave, Palo Alto	Cal
ARENBERG ULTRASONIC LAB., INC., 5-11-13, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
Arlo Electronics Corp., 1-5	22 Warren Dr, Syosset	NY
Barker & Williamson, 1-4	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 4	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Benco Television Associates, Ltd., 5-11	27 Taber Rd, Rexdale, Ontario, Canada	
Bendix-Pacific Div., Bendix Aviation, 1-2-3-4-7-8-10-11-12-13	11600 Sherman Way, North Hollywood	Cal
Beva Laboratory, Inc., 7	P.O. Box 478, Trenton	NJ
Bruno-New York Industries Corp., 1	460 W. 34 St, New York 1	NY
Budd Lewyt Electronics, Inc., 13	43-22 Queens St, Long Island City 1	NY
BUDELMAN ELECTRONICS CORP., 2-4-13, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
C.G.S. Labs., Inc., 5-10	Rt 7, Wilton	Conn
Cadre Industries Corp., 1-4	P.O. Box 150, Endicott	NY
California Magnetic Control Corp., 4-7-8	11922 Valerio St, North Hollywood	Cal
Canoga Div., Underwood Corp., 1	15330 Oxnard St, Van Nuys	Cal
Central Dynamics Ltd., 1-5-11-12-13	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Central Electronics, Inc., 4	1247 W. Belmont Ave, Chicago 13	Ill
CLEGG LABS., DIV., CLEGG, INC., 4, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Coils-Electronics Co., 1	2939-49 N. 2nd St, Philadelphia 33	Pa

Community Engineering Corp., 1-2-5-13	P.O. Box 824, State College	Pa
Continental Electronics Mfg. Co., 1-2-4-7-13	4212 S. Buckner Blvd, Dallas 27	Tex
Continental Manufacturing, Inc., 1	1612 California St, Omaha	Neb
CONTROL ELECTRONICS CO., INC., 1-2-3-11-13, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CURTISS-WRIGHT CORP., PRINCETON DIV., 4, Adv Pg 75	**Princeton**	**NJ**
Dage TV Div., Thompson-Ramo-Wooldridge, 11-12	W. Tenth St, Michigan City	Ind
Wooldridge, Inc., 11-12		
Data Equipment Co., 6	923 E. 3rd St, Los Angeles 13	Cal
Denson Electronics Corp., 1	P.O. Box 85, Rockville	Conn
Designers for Industry, 7-9-13	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Electronics Div, Diamond Power Specialty Corp., 11	Box 415, Lancaster	Ohio
Djeco, Div., Djordjevic Engrg Co., 4-7	1933 N. Damen, Chicago 47	Ill
Dorsett Electronics Labs., Inc., 4	119 W. Boyd St, Norman	Okla
Dukane Corp., 1-4-5	St. Charles	Ill
Dynamic Electronics, Capehart Corp., 1-5-11-12-13	87-46 123 St, Richmond Hill 18	NY
EMI-COSSOR ELECTRONICS LTD., 6-7-13, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EPR Special Products Corp., 6	675 Barbey St, Brooklyn	NY
EITEL-McCULLOUGH, INC., 4, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRO-PULSE, INC., 7, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
Electronic Research & Dev. Co., Ltd., 2-3-4-5	210 9th Ave, S.E., Calgary, Alberta, Canada	
Electronic Tube Corp., 6	1200 E. Mermaid Ln, Philadelphia 18	Pa
EMPIRE DEVICES PRODUCTS CORP., 1-2-13, Adv Pg 454	**Amsterdam**	**NY**
Engineered Electronics Co., 7-8	1441 E. Chestnut Ave, Santa Ana	Cal
Entron, Inc., 5-11-13	4902 Lawrence St, Bladensburg	Md
Erdco Engineering Corp., 4	Addison	Ill
Eric Engineering Co., 1-5-6	1823 Colorado Ave, Santa Monica	Cal
FXR, INC., 4-7-8, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fanon Electronic Industries, Inc., 4-5	439 Frelinghuysen Ave, Newark	NJ
Ferrotran Electronic Co., Inc., 1-2-11	693 Broadway, New York 12	NY
Foto-Video Electronics, Inc., 6-7-8-9-10-11-12-13	36 Commerce Rd, Cedar Grove	NJ
GATES RADIO CO., 1-2-3-4-5, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 1-2-3-4-5-7-8-13, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 11-12	Court St, Syracuse	NY
General Electronic Labs., Inc., 5	18 Ames St, Cambridge	Mass
General Measurements Co., Inc., 5	1108 Beacon St, Newton Highlands 61	Mass
GENERAL RADIO CO., 4-7-13, Adv Pg 285	**West Concord**	**Mass**
General Ultrasonics Co., 4	67 Mulberry St, Hartford 3	Conn
Gilfillan Bros., Inc., 7	1815 Venice Blvd, Los Angeles 6	Cal
Globe Electronics, Div Textron Electronics Inc 1-4	22-30 S. 34th St, Council Bluffs	Iowa
Goldak Co., Inc., 2	Dept. E, 1544 W. Glenoaks, Glendale 1	Cal
Gonset Div., Young Spring & Wire Corp., 4	801 S. Main St, Burbank	Cal
Granger Associates, 4-5-7-13	974 Commercial St, Palo Alto	Cal
Gulton Industries, Inc., 9	212 Durham Ave, Metuchen	NJ
HRB-SINGER, INC., 1-13, Adv Pg 493	**Science Park, State College**	**Pa**
HALLICRAFTERS CO., 1-2-4-5-7-8-9-10-11-12-13, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hamner Electronics Co., Inc., 7-13	P.O. Box 531, Princeton	NJ
HEWLETT-PACKARD CO., 1-7-13, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 6	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 1-5-6-11-13	35 Old County Rd, Westbury	NY
I.D.E.A., Inc., 5	7900 Pendleton Pike, Indianapolis 26	Ind
ITT Federal Div., ITT, 1-5-7-11	100 Kingsland Rd, Clifton	NJ
ITT Laboratories, 4-13	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 1-7-8-11-12-13	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., 1-2-3-4-5-7-11-12-13, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Intercontinental Electronics, 11-13	1551 Franklin Ave, Mineola	NY
International Crystal Mfg. Co., Inc., 2	18 N. Lee, Oklahoma City	Okla
International Electronics Mfg. Co., 5-9-13	Greenwood Acres, Annapolis	Md
Interstate Electronics Corp., 7	707 E. Vermont Ave, Anaheim	Cal
Jampro Antenna Co., 2	7500 14th Ave, Sacramento	Cal
JERROLD ELECTRONICS CORP., 5-6-11-13, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
KAY ELECTRIC CO., 10-11, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Knight Electronics, 6	210 S. Des Plaines St, Chicago 6	Ill
Knight Corp., Ewen, 1-2-5-13	Oak & Pine Sts, East Natick	Mass
Kraus Electronics, Inc., 4-7	1405 University Ave, Palo Alto	Cal
Land-Air, Inc., 1-4	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 2-4-7-8-11-13	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 1-2-5-7-8-11-13	380 Oak St, Copiague	NY
Levinthal Electronic Products, Inc., 4-6-7	3180 Hanover St, Palo Alto	Cal
LUMATRON ELECTRONICS, INC., 7, Adv Pg 486	**116 County Ctnse Rd, New Hyde Park**	**NY**
MAGNETIC CONTROLS CO., 7, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Mallory & Co., Inc., P.R., 4-13	34 S. Gray St, Indianapolis 6	Ind
Marconi's Wireless Telegraph Co., Ltd., 4-13	750 Third Ave, New York 17	NY
Melabs, 1-2-13	3300 Hillview Ave, Palo Alto	Cal
Microphase Corp., 11-12	Box 1166, Greenwich	Conn
Microwave Electronics Corp., 13	4061 Transport St, Palo Alto	Cal
Millen Mfg. Co., James, 2-4-5-10-11	150 Exchange St, Malden	Mass
Millivac Instruments Div., Cohu Electronics Inc., 6	2315 Second Ave, Schenectady	NY
Miratel, Inc., 1-2-10-11-12-13	1080 Dionne St, St. Paul	Minn
Mullard Equipment, Ltd., 13	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 4	21470 Coolidge Hwy, Oak Park	Mich
Nems-Clarke Co., Div., Vitro Corp of America, 6	Silver Spring	Md
New London Instrument Co., 13	P.O. Box 189, New London	Conn
Newport Scientific Co., 1-2-5-6-7-8-11-12-13	638 W. 17th St, Costa Mesa	Cal
NUCLEAR ELECTRONICS CORP., 7-11, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Otis Elevator Co., 1-2-4-5-7-10-11-12-13	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics, 4	8345 Hayvenhurst Ave, Sepulveda	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5-6-7-8-9-10-11-12-13, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Peer, Incorporated, 4-7-8-13	2624 Shelby St, Dallas 19	Tex
Performance Measurements Co., 4	15120 Third Ave, Detroit 3	Mich
Potter Instrument Co., Inc., 7	Sunnyside Blvd, Plainview	NY
RS ELECTRONICS CORP., 1-2-6-7-13, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Racal Engineering, Ltd., 4	Western Rd, Bracknell, Berks, England	
Radiaphone Co., Inc., 5	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 2-4-5	Melbourne	Fla
Radio City Products Co., Inc., 1-2-4-5-6-7-13	Centre & Glendale Sts, Easton	Pa
Radio Condenser Co., 1-2-4	Camden	NJ
Radio Corp of America Indl Electronic Prods, 1-4-5-7-11-12	Front & Cooper, Camden	NJ
Radio Engineering Labs., Inc., 4-13	29-01 Borden Ave, Long Island City 1	NY
Ram Electronics, Inc., 10	600 Industrial Ave, Paramus	NJ
Rauland-Borg Corp., 5	3535 W. Addison St, Chicago 18	Ill
Redifon, Ltd., 4-13	Broomhill Rd, Wandsworth, London SW 18	England
Remanco, Inc., 1-13	1805 Colorado, Santa Monica	Cal
Resdel Engineering Corp., 5-13	330 S. Fair Oaks Ave, Pasadena	Cal
Rese Engineering Corp., 7	731 Arch St, Philadelphia 6	Pa
RIXON ELECTRONICS INC., 5-7, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Rodale Electronics, 1-7-8	562 Grand Blvd, Westbury	NY
Rust Industrial Co., Inc., 2-5	130 Silver St, Manchester	NH
Sage-Craft, Inc., 1-11-13	Norwich	NY
San Diego Scientific Corp., 13	3434 Midway Dr, San Diego 10	Cal
Scott, Inc., H.H., 6-13	111 Powder Mill Rd, Maynard	Mass
Seg Electronics Co., Inc., 4-5-13	1778 Flatbush Ave, Brooklyn 10	NY
SIERRA ELECTRONIC CORP., 4-7-13, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Singer Mfg. Co., Military Products Div., 1-13	149 Broadway, New York 3	NY
Spectra Electronics Co., 1-2-3-4-5-7-8-9-10-11-12-13	250 E. 3rd St, Mt. Vernon	NY
Spec-Tronics, 6	13942 Saticoy Ave, Van Nuys	Cal
SPENCER-KENNEDY LABS., INC., 1-5-7-13, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
Spivey Inc., James S., 1-4-6	4908 Hampden Ln, Washington 14	DC
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4-5-7-11-12-13	Lakewood Rd, Farmingdale	NJ
State Testing Laboratory, Inc., 5	215 Knowlton St, Bridgeport 8	Conn
Strand Engineering Co., 11-13	1354 N. Main St, Ann Arbor	Mich
Strand Laboratories, Inc., 2	294 Centre St, Newton 58	Mass
Summers & Mills, Inc., 1	911 W. Commerce, Dallas 8	Tex
Tamar Electronics, Inc., 4	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2-4-5-7-11-12-13	2355 Euclid Ave, Cleveland 17	Ohio
Tarc Electronics, Inc., 7-11-12-13	48 Urban Ave, Westbury	NY
TECHNICAL MATERIEL CORP., 1-2-4, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Tektronix, Inc., 1-6	P.O. Box 831, Portland 7	Ore
TELECHROME MFG. CORP., 4-11-12, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecom, Inc., 3	1019 Admiral Blvd, Kansas City	Mo
TELECTRO INDUSTRIES CORP., 1-4-6-11, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 1	Park Ave, Huntington	NY
TELEVISION UTILITIES CORP., DIV OF NORD, 11, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Tel-Instrument Electronics Corp., 11	728 Garden St, Carlstadt	NJ
Temco Electronics Div., Temco Aircraft Corp., 13	P.O. Box 6191, Dallas 22	Tex
Tenlo Research Corp., 7	9424 Lyndale Ave S., Minneapolis 20	Minn
Topp Industries, Inc., 4	5221 W. 102 St, Los Angeles 45	Cal
United Electrodynamics, Inc., 1	200 Allendale Rd, Pasadena	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2-6-7-11-12-13	Balch St, Beverly	Mass
Unitized Electronics, Inc., 5-11-12	4791 Memphis Ave, Cleveland	Ohio
Van Norman Industries, Elect Div., 9-10-11-12	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 7, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Vicon Corp., Div., Insul-8-Corp., 10-11-12	1369 Industrial Rd, San Carlos	Cal
Virginia Electronics Co., Inc., 1-5	5209 River Rd, Washington 16	DC
Walkirt Co., 7	141 W. Hazel St, Inglewood 3	Cal
Waltham Electronics Corp., 6-13	751 Main St, Waltham 54	Mass
Watkins-Johnson Co., 4-5-7-13	3333 Hillview Ave, Palo Alto	Cal
WEINSCHEL ENGINEERING CO., INC., 11, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Wells-Gardner & Co., 1-4-5	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 1-4, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1-2-3-4-5	540 W. 58 St, New York 19	NY
WILCOX ELECTRIC CO., 4, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla
Winegard Co., 4-13	3000 Scotten Blvd, Burlington	Iowa

AMPLIFIERS-SERVO See **AMPLIFIERS** *–INSTRUMENTATION*
AMPLIFIERS-SOUND RECORDING See **AMPLIFIERS** *–A-F*
AMPLIFIERS-STRAIN-GAGE See **AMPLIFIERS** *–INSTRUMENTATION*
AMPLIFIERS-TELEMETERING See **AMPLIFIERS** *–INSTRUMENTATION*
AMPLIFIERS-TRANSISTOR See **AMPLIFIERS** *PROVIDING REQUIRED FUNCTION*

AMPLIFIERS *–TV*
1. BOOSTER 2. DISTRIBUTION

Aerolite Electronics Corp., 1-2	2207 Summit Ave, Union City	NJ
Antennavision, Inc., 1-2	2949 W. Osborn Rd, Phoenix	Ariz
APPLIED RESEARCH, INC., 1-2, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Avionics Corp., 1	Maple Ave & Horsham Rd, Horsham	Pa
Benco Television Associates, Ltd., 1-2	27 Taber Rd, Rexdale, Ontario, Canada	
Blonder-Tongue Laboratories, Inc., 1-2	Dept EBG, 9 Alling St, Newark 2	NJ
Brach Mfg. Corp., 1-2	200 Central Ave, Newark	NJ
Central Dynamics Ltd., 1-2	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Dynamic Electronics, Capehart Corp., 1-2	87-46 123 St, Richmond Hill 18	NY
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Ensco, Inc., 1	3100 Eldredge St, Salt Lake City	Utah
Entron, Inc., 1-2	4902 Lawrence St, Bladensburg	Md
Foto-Video Electronics, Inc., 1-2	36 Commerce Rd, Cedar Grove	NJ
INSTRUMENTS FOR INDUSTRY, INC., 2, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Intercontinental Electronics, 1-2	1551 Franklin Ave, Mineola	NY
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
JERROLD ELECTRONICS CORP., 2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Miratel, Inc., 1-2	1080 Dionne St, St. Paul	Minn
Pye Telecommunications, Ltd., 1-2	Newmarket Rd, Cambridge, England	
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Seg Electronics Co., Inc., 1	1778 Flatbush Ave, Brooklyn 10	NY
SPENCER-KENNEDY LABS., INC., 2, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
Standard Electronics Div., Reeves Instrument Corp., 1-2	Lakewood Rd, Farmingdale	NJ
Tarc Electronics, Inc., 2	48 Urban Ave, Westbury	NY
TELECHROME MFG. CORP., 2, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**

TELEVISION UTILITIES CORP., DIV OF NORD, 1-2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Tel-Instrument Electronics Corp., 2	728 Garden St, Carlstadt	NJ
Unitized Electronics, Inc., 1-2	4791 Memphis Ave, Cleveland	Ohio
Vicon Corp., Div., Insul-8-Corp., 1-2	1369 Industrial Rd, San Carlos	Cal
Wickes Engineering & Construction Co., 2	12th St & Ferry Ave, Camden 4	NJ
Winegard Co., 1-2	3000 Scotten Blvd, Burlington	Iowa

AMPLIFIERS-ULTRASONIC See **ULTRASONIC EQUIPMENT**
AMPLIFIERS-VIBRATION PICKUP See **AMPLIFIERS** *-INSTRUMENTATION*
AMPLIFYING SATURABLE REACTORS See **REACTORS** *-SATURABLE*
AMPLITUDE MODULATION See **A-M LISTINGS**
A-M RECEIVERS See **RECEIVERS** *-RADIO ENTERTAINMENT*
A-M RECEIVING ANTENNAS See **ANTENNAS** *-RADIO RECEIVING*
A-M TRANSMITTERS See **TRANSMITTERS** *-BROADCAST*
A-M TUNERS See **TUNERS**
ANALOG COMPUTER PARTS See *SUMMARY UNDER* **COMPUTER PARTS**
ANALOG COMPUTERS See **COMPUTERS** *-GENERAL-PURPOSE: COMPUTERS -SPECIAL*
ANALOG COMPUTING SERVICES See **COMPUTING SERVICES**
ANALOG-TO-DIGITAL CONVERTERS See **CONVERTERS** *-COMPUTER*

ANALYZERS *-A-F AMPLIFIER*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Holt Instrument Laboratories	Oconto	Wisc
Muirhead & Co., Ltd	Beckenham, Kent, England	
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal

ANALYZERS-CAPACITOR See **TESTERS** *-CAPACITOR*
ANALYZERS-CIRCUIT See **TESTERS**

ANALYZERS *-COINCIDENCE & ANTICOINCIDENCE*

HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Radio Corp of American Indl Electronic Prods	Front & Cooper, Camden	NJ

ANALYZERS-COLOR See **COLORIMETERS**
ANALYZERS *-CRYSTAL* See **CRYSTAL ANALYSIS EQUIPMENT**

ANALYZERS *-DIFFERENTIAL*
1. DIGITAL 2. ELECTRONIC 3. MECHANICAL

Abacus, Inc., 1	3040 Overland Ave, Los Angeles 34	Cal
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
Applied Dynamics, Inc., 2-3	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 1-2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Atlas Precision Products Co., 3	3801 Castor Ave, Philadelphia 24	Pa
Bendix Aviation Corp., Computer Div., 1	5630 Arbor Vitae St, L A 45	Cal
BOWMAR INSTRUMENT CORP., 3, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
BRIGGS ASSOCIATES, INC., 2, Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Bruel & Kjaer, 2	Lindealle 23, Naerum, Denmark	
CG Electronics Corp., 1	15000 Central E., Albuquerque	NM
CHESAPEAKE INSTRUMENT CORP., 1, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Cleveland Instrument Co., 2	6220 E. Schaaf Rd, Cleveland 31	Ohio
Computer Control Co., Inc., 1	983 Concord St, Framingham	Mass
Consolidated Airborne Systems, 1-3	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Donner Scientific Co., 2	888 Galindo St, Concord	Cal
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc., 1-2	3540 Aero Ct, San Diego	Cal
Engineered Electronics Co., 1-2	1441 E. Chestnut Ave, Santa Ana	Cal
Ensco, Inc., 2	3100 Eldredge St, Salt Lake City	Utah
Ford Instrument Co., Div., Sperry Rand Corp., 1	31-10 Thomson Ave, Long Island City 1	NY
Foto-Video Electronics, Inc., 2	36 Commerce Rd, Cedar Grove	NJ
GPS Instrument Co., Inc., 2	180 Needham St, Newton 64	Mass
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., X-Ray Dept., 2	4855 Electric Ave, Milwaukee	Wisc
Genesys Corp., Sub, Chance Vought, 1	10131 National Blvd, Los Angeles 34	Cal
HALLICRAFTERS CO., 2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harvey-Wells Electronics, Inc., 1	North St, Southbridge	Mass
Heath Co., A Sub of Daystrom, Inc., 2	Benton Harbor	Mich
I-L-S Instrument Div., Meriam Instrument Co., 1	4525 W. 160th St, Cleveland 35	Ohio
International Business Machines Corp., 1	590 Madison Ave, New York 22	NY
Kinematic Systems, 2	41-11-49th St, Long Island City	NY
Kingston Electronics, Div., King. Ind., Inc., 2	Medfield	Mass
Land-Air, Inc., 1-2	7444 W. Wilson Ave, Chicago 31	Ill
Litton Industries, Electronic Equipments Div., 1	336 N. Foothill Rd, Beverly Hills	Cal
Micro Gee Products, Inc., 2	6319 W. Slauson, Box 1005, Culver City	Cal
Milgo Electronic Corp., 1	7620 N.W. 36th Ave, Miami 47	Fla
Moeller Instrument Co., Electronics Div., 2	132nd St & 89th Ave, Richmond Hill 18	NY
Otis Elevator Co., 1-2-3	35 Ryerson St, Brooklyn 5	NY
PIC Design Corp., Sub of Benrus Watch Co., Inc., 3	477 Atlantic Ave, East Rockaway	NY
Packard Bell Computer Corp., 1	1905 Armacost Ave, Los Angeles 25	Cal
PANORAMIC RADIO PRODUCTS, INC., 2, Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Performance Measurement Co., 2	15120 Third Ave, Detroit 3	Mich
Pearce Simpson, Inc., 2	2295 N.W. 14th St, Miami 35	Fla
PHILBRICK RESEARCHES, INC., GEORGE A., 2, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Pioneer Industries Div., Almar-York Co., Inc., 2	3455 W. Vickery, Fort Worth 7	Tex
Potter Instrument Co., Inc., 1	Sunnyside Blvd, Plainview	NY
Slaughter Co., 2	Piqua 9	Ohio
Stelma, Inc., 1-2	200 Henry St, Stamford	Conn
Stone Laboratories Inc., 1-2-3	1312 Tremont St, Boston 20	Mass
Taffet Electronics, Inc., 2	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Technical Measurement Corp., 1	441 Washington Ave, North Haven	Conn
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Vitro Corp of America, 1	261 Madison Ave, New York 16	NY
WATERMAN PRODUCTS CO., INC., 1, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**

ANALYZERS *-DISTORTION*

B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Chadwick Helmuth Co	472 E. Duarte Rd, Monrovia	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
DAVEN CO., Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Donner Scientific Co	888 Galindo St, Concord	Cal
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
FREED TRANSFORMER CO., INC., Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
MARCONI INSTRUMENTS, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
Radiation, Inc	Melbourne	Fla
Stelma, Inc	200 Henry St, Stamford	Conn
Towaco Electronics	Pine Brook Rd, Towaco	NJ
Winston Electronics, Div., Jetronic Ind., Inc	4000 N.W. 28th St, Miami 42	Fla

ANALYZERS *-FREQUENCY*

American Machine & Foundry Co	1025 N. Royal St, Alexandria	Va
American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Convair Div of General Dynamics Corp	3595 Frontier St, San Diego 10	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Decade Instrument Co	P.O. Box 153, Caldwell	NJ
Ensco, Inc	3100 Eldredge St, Salt Lake City	Utah
Fedrick Fenske & Miller, Inc	12822 Panama St, Los Angeles	Cal
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
HERMES ELECTRONICS CO., Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
Melabs	3300 Hillview Ave, Palo Alto	Cal
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
Quan-Tech Laboratories, Inc	60 Parsippany Blvd, Boonton	NJ
RIXON ELECTRONICS, INC., Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Rohde & Schwarz, USA, Inc	P.O. Box 275, Passaic	NJ
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Seg Electronics Co., Inc	1778 Flatbush Ave, Brooklyn 10	NY
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Southwestern Ind. Electronics Co	10201 Westheimer Rd, Houston 19	Tex
Spectrum Instruments, Inc	Box 61, Steinway Sta, Long Island City 3	NY
Technical Products Co., Instrument Div	6670 Lexington Ave, Los Angeles 38	Cal
WATERMAN PRODUCTS CO., INC., Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**

ANALYZERS *-GAS*

Allen Electric & Equipment Co	2101 N. Pitcher St, Kalamazoo	Mich
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
B & H Instrument Co	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Ellison Draft Gage Co., Inc	546 W. Monroe St, Chicago	Ill
Erdco Engineering Corp	Addison	Ill
Gow-Mac Instrument Co	100 Kings Rd, Madison	NJ
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
Industrial Instruments, Inc	89 Commerce Rd, Cedar Grove	NJ
King Electric Equipment Co	9123 Inman Ave, Cleveland 5	Ohio
Kruger Instruments, Harold	P.O. Box 164, San Gabriel	Cal
Laboratory Equipment Corp	Lakeview & Hilltop Rd, St. Joseph	Mich
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Manufacturers Engineering & Equipment Corp	York & Sunset Ln, Hatboro	Pa
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
National Instrument Labs., Inc	826 Evarts St N.E., Washington	DC
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Perkin-Elmer Corp., The	Main Ave, Norwalk	Conn
Permutit Co., A Div of Pfaudler Permutit Inc	50 W. 44 St, New York 36	NY
Phoenix Precision Instrument Co	3805 N. Fifth St, Philadelphia	Pa
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal
Servomex Controls Ltd	Crowborough, Sussex, England	
Stratocon Corp	P.O. Box 10, Morristown	NJ
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Victory Engineering Corp	101 Springfield Rd, Union	NJ

ANALYZERS *-HARMONIC*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Barker & Williamson	Canal & Beaver Sts, Bristol	Pa
BRIGGS ASSOCIATES, INC., Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Chadwick Helmuth Co	472 E. Duarte Rd, Monrovia	Cal
Donner Scientific Co	888 Galindo St, Concord	Cal
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gerber Scientific Instrument Co	89 Spruce St, Hartford 1	Conn
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich

HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
MARCONI INSTRUMENTS, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
Quan-Tech Laboratories, Inc	60 Parsippany Blvd, Boonton	NJ
Rohde & Schwarz, USA, Inc	P.O. Box 275, Passaic	NJ
Spectrum Instruments, Inc	Box 61, Steinway Sta, Long Island City 3	NY
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa
Winston Electronics Div., Jetronic Ind., Inc.	4000 N.W. 28th St, Miami 42	Fla

ANALYZERS —*INTERMODULATION*

EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
MARCONI INSTRUMENTS, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
MEASUREMENTS DIV., McGRAW-EDISON CO., Adv Pg 546	**Boonton**	**NJ**
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Winston Electronics Div., Jetronic Ind., Inc.	4000 N.W. 28th St, Miami 42	Fla

ANALYZERS —*MAGNETIC*

Bell, Inc., F.W.	1356 Norton Ave, Columbus 12	Ohio
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Magnetic Analysis Corp	42-44 12th St, Long Island City 1	NY
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**

ANALYZERS —*NOISE*

Ascop Div., Electro-Mechanical Research, Inc	P.O. Box 44, Princeton	NJ
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Barker & Williamson	Canal & Beaver Sts, Bristol	Pa
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Donner Scientific Co	888 Galindo St, Concord	Cal
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
GPS Instrument Co., Inc	180 Needham St, Newton 64	Mass
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
Quan-Tech Laboratories, Inc	60 Parsippany Blvd, Boonton	NJ
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Spectrum Instruments, Inc	Box 61, Steinway Sta, Long Island City 3	NY
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

ANALYZERS —*PARTICLE-SIZE*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY

ANALYZERS —*PULSE-HEIGHT*

AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Benson-Lehner Corp	1860 Franklin, Santa Monica	Cal
Beva Laboratory, Inc	P.O. Box 478, Trenton	NJ
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
EMI-COSSOR ELECTRONICS LTD., Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Eldorado Electronics	2821-10th St, Berkeley	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gyra Electronics Corp	P.O. Box 184, La Grange	Ill
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hamner Electronics Co., Inc	P.O. Box 531, Princeton	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Nuclear Corp of America	2 Richwood Pl, Denville	NJ
Nucleonic Corp of America	196 Degraw St, Brooklyn 31	NY
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pacific Electro-Nuclear Corp	9520 Jefferson Blvd, Culver City	Cal
Philips Electronic Instruments	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Radiation Counter Labs., Inc	5121 W. Grove St, Skokie	Ill
Radiation Instrument Development Labs	5737 S. Halsted St, Chicago 36	Ill
Technical Measurement Corp	441 Washington Ave, North Haven	Conn
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Tullamore Electronics Corp	6055 S. Ashland Ave, Chicago 36	Ill

ANALYZERS —*RADAR*

Aircraft Armaments, Inc	Cockeysville	Md
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Applied Dynamics Corp	330 Bear Hill Rd, Waltham 54	Mass
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pitometer Log Corp	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Taffet Electronics, Inc	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Vitro Corp of America	261 Madison Ave, New York 16	NY

ANALYZERS —*SERVO*

Aetna Electronics Corp	Readington Rd, North Branch	NJ
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Donner Scientific Co	888 Galindo St, Concord	Cal
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Servo Consultants Ltd	80 Shore Rd, Port Washington	NY
Servo Corp of America	111 New South Rd, Hicksville	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

ANALYZERS —*SPECTRUM*

Applied Dynamics Corp	330 Bear Hill Rd, Waltham 54	Mass
Applied Research Laboratories, Inc	P.O. Box 1710, Glendale 5	Cal
Ascop Div., Electro-Mechanical Research, Inc	P.O. Box 44, Princeton	NJ
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
BRIGGS ASSOCIATES, INC., Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
COSMIC INSTRUMENTS, INC., Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Decker Corp	43 Monument Rd, Bala Cynwyd	Pa
Donner Scientific Co	888 Galindo St, Concord	Cal
Eldorado Electronics	2821-10th St, Berkeley	Cal
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HERMES ELECTRONICS CO., Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
LAVOIE LABORATORIES, INC., Adv Pg 262	**Morganville**	**NJ**
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
NORTHEASTERN ENGINEERING, INC., Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Quan-Tech Laboratories, Inc	60 Parsippany Blvd, Boonton	NJ
Raytheon Co. Commercial Appar. & Systems Div.	100 River St, Waltham	Mass
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal
RIXON ELECTRONICS INC., Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Seg Electronics Co., Inc	1778 Flatbush Ave, Brooklyn 10	NY
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Spectrum Instruments, Inc	Box 61, Steinway Sta, Long Island City 3	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Technical Products Co., Instrument Div	6670 Lexington Ave, Los Angeles 38	Cal
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

ANALYZERS —*SURFACE* See INDICATORS —*SURFACE ROUGHNESS*
ANALYZERS-THYRATRON See TESTERS —*TUBE*
ANALYZERS-TRANSISTOR See TESTERS —*TRANSISTOR*
ANALYZERS —*ULTRASONIC* See ULTRASONIC *EQUIPMENT*

ANALYZERS —*VIBRATION*

Advanced Electronics, Inc	94 Silas Deane Hwy, Rocky Hill	Conn
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Convair Div of General Dynamics Corp	3595 Frontier St, San Diego 10	Cal
Cosa Corp	405 Lexington Ave, New York 17	NY
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	

Decade Instrument Co.	P.O. Box 153, Caldwell	NJ
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
International Research & Development Corp.	6150 Huntley Rd, Worthington	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Land-Air, Inc.	7444 W. Wilson Ave, Chicago 31	Ill
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Muirhead & Co., Ltd	Beckenham, Kent, England	
Optomechanisms, Inc	216 E. Second St, Mineola	NY
Optron Corp	335 S. Salinas St, Santa Barbara	Cal
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co.	10201 Westheimer Rd, Houston 19	Tex
Spectrum Instruments, Inc	Box 61, Steinway Sta, Long Island City 3	NY
Sperry Gyroscope Div., Sperry Rand	Great Neck	NY
Technical Products Co., Instrument Div.	6670 Lexington Ave, Los Angeles 38	Cal
Tel-Instrument Electronics Corp	728 Garden St, Carlstadt	NJ
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Winkler Laboratories	5225 N. 20th St, Phoenix	Ariz
Wurlitzer Co	North Tonawanda	NY

ANALYZERS —*VIDEO*

B & K Mfg. Co	1801 W. Belle Plaine, Chicago 13	Ill
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
TELECHROME MFG. CORP., Adv Pg 337	**28 Ronick Dr, Amityville**	**NY**
Tel-Instrument Electronics Corp	728 Garden St, Carlstadt	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

ANALYZERS —*WAVE*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
American Machine & Foundry Co	1025 N. Royal St, Alexandria	Va
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Convair Div of General Dynamics Corp	3595 Frontier St, San Diego 10	Cal
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Donner Scientific Co	888 Galindo St, Concord	Cal
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Flow Corp.	85 Mystic St, Arlington	Mass
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gerber Scientific Instrument Co	89 Spruce St, Hartford 1	Conn
HERMES ELECTRONICS CO., Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
MARCONI INSTRUMENTS, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Minn-Honeywell, Industrial Systems Div.	10721 Hanna St, Beltsville	Md
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Quan-Tech Laboratories, Inc	60 Parsippany Blvd, Boonton	NJ
Railway Communications, Inc	9351 E. 59 St, Raytown	Mo
Rohde & Schwarz, USA, Inc.	P.O. Box 275, Passaic	NJ
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Technical Products Co., Instrument Div.	6670 Lexington Ave, Los Angeles 38	Cal
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

AN CONNECTOR CAP See **CONNECTOR CAPS**
ANEMOMETERS —See **INDICATORS** —*WIND*
ANGULAR POSITION TRANSDUCERS See **TRANSDUCERS**
ANNEALERS-GLASS See **OVENS, DRYERS & DEHYDRATORS**

ANNUNCIATORS

1. AURAL 2. MECHANICAL 3. TUBE-TYPE 4. VISUAL

American Development Electronics Co., 4	212 Central Ave, Newark	NJ
American Machine & Foundry Co, 4	1025 N. Royal St, Alexandria	Va
Ascop Div., Electro-Mechanical Research, Inc., 1-4	P.O. Box 44, Princeton	NJ
Bennett Laboratories, Inc., 4	4224 Holden St, Emeryville 8	Cal
Chrono-Log Corp., 1-4	P.O. Box 4587, Philadelphia 31	Pa
Communication Equipment & Engineering, 4	5648 W. Race Ave, Chicago	Ill
Eagle Electric Mfg. Co., Inc., 1	23-10 Bridge Plaza S., L.I. City	NY
Fanon Electronic Industries, Inc., 1-2	439 Frelinghuysen Ave, Newark	NJ
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
I.D.E.A., Inc., 4	7900 Pendleton Pike, Indianapolis 26	Ind
Marco Industries Co., 4	207 S. Helena St, Anaheim	Cal
Nichols, Ltd., R.H., 4	4544 Dufferin St, Downsview, Ontario, Canada	
Partrick & Wilkins Co., 2-4	53 N. Seventh St, Philadelphia	Pa
Penn Keystone Corp., 2-4	P.O. Box 350, Hawkins St, Derby	Conn
Radar Relay, Inc., 4	2322 Michigan Ave, Santa Monica	Cal
Standard Telephones & Cables, Ltd., 1-2-3-4	63 Aldwych, London W. C. 2	England
United Control Corp., 4	4540 Union Bay Pl, Seattle 5	Wash
Webster Electric Co., 2-4	1900 Clark St, Racine	Wisc
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY
Wheelock Signals, Inc., 4	273 Branchport Ave, Long Branch	NJ

ANNUNCIATOR WIRE See **WIRE** —*HOOKUP*
ANODE CONNECTORS See **CONECTORS**

ANODES —*ELECTROPLATING*

1. COMMON METALS 2. PRECIOUS METALS 3. SOLDER

All-State Welding Alloys Co., Inc., 3	249 Ferris Ave, White Plains	NY
Allied Research Products, Inc., 1	4004 E. Monument St, Baltimore 5	Md
Alloys Unlimited, Inc., 2-3	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 1-2-3	600 Water St, Jersey City	NJ
AMERICAN METAL CLIMAX, INC., 1, Adv Pg 300	**1270 Ave of the Americas, New York**	**NY**
American Smelting & Refining Co., 1-2	120 Broadway, New York 5	NY
Anaconda American Brass Co., 1	414 Meadow St, Waterbury 20	Conn
Attleboro Refining Co., Inc., 2	152 Union St, Attleboro	Mass
Belmont Smelting & Refining Works, 1-3	332 Belmont Ave, Brooklyn 7	NY
Bishop & Co., J., Platinum Works, 2	Malvern	Pa
Bow Solder Products Co., Inc., 3	251 Freeman St, Brooklyn 22	NY
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1	30 Grand St, Bridgeport	Conn
Chase Brass & Copper Co., Inc., 1	235 Grand St, Waterbury 20	Conn
Composite Industrial Metals, Inc., 2	235 Georgia Ave, Providence 5	RI
CONSOLIDATED-REACTIVE METALS, INC., 2-3, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Division Lead Co., 1-3	7742 W. 61st Pl, Summit	Ill
Eastern Smelting & Refining Corp., 2	107-109 W. Brookline St, Boston 18	Mass
HANDY & HARMAN, 2, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Henry & Miller Industries, Inc., 1-2	675 Garfield Ave, Jersey City 5	NJ
Horton-Angell Co., 1-2-3	27 Bicknell St, Attleboro	Mass
International Nickel Co., Inc., 1	67 Wall St, New York 5	NY
Johnson Matthey & Mallory Ltd., 2	110 Industry St, Toronto, Ontario, Canada	
Johnson Mfg. Co., Inc., 3	Mt. Vernon	Iowa
Kennametal Inc., 2	Lloyd Ave, Latrobe	Pa
LEACH & GARNER CO., INDUSTRIAL DIV., 2, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Metz Refining Co., 2	369 Mulberry St, Newark 2	NJ
Ramyr Mfg. Co., 1-2-3	1779 N. Main St, Los Angeles 31	Cal
Revere Copper & Brass, Inc., 1	230 Park Ave, New York 17	NY
Sel-Rex Corp., 1-2	75 River Rd, Nutley 10	NJ
Seymour Mfg. Co., The, 1	15 Franklin St, Seymour	Conn
Standard Metals Corp., 2	Broad & Whiting St, North Attleboro	Mass
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
Wildberg Bros Smelting & Refining Co., 2-3	742 Market St, San Francisco 2	Cal

ANODES —*TUBE* See **TUBE PARTS**
ANODIZING CHEMICALS See **CHEMICALS** —*METAL CONVERSION COATING*
ANTENNA BRACKETS See **BRACKETS**
ANTENNA CONNECTORS See **CONNECTORS**
ANTENNA COUPLERS — TV See **COUPLERS — TV** *RECEIVING*
ANTENNA FAIRLEADS See **FAIRLEADS**
ANTENNA FEED SYSTEMS See **FEED SYSTEMS**
ANTENNA FILTERS See **FILTERS**
ANTENNA HARDWARE See **HARDWARE** —*ANTENNA*
ANTENNA HOUSINGS See **HOUSING** —*ANTENNA*
ANTENNA INSULATORS See **INSULATORS** —*ANTENNA*
ANTENNA LOADING COILS See **COILS** —*ANTENNA LOADING*
ANTENNA MASTS See **MASTS** —*ANTENNA*
ANTENNA MODELS See **ANTENNAS** —*TEST MODELS*
ANTENNA MOUNTS See **MOUNTS** —*ANTENNA*
ANTENNA POSITION INDICATORS See **INDICATORS** —*ANTENNA POSITION*
ANTENNA RADIATION PATTERN RECORDERS See **RECORDERS** — *ANTENNA RADIATION PATTERN*
ANTENNA ROTATORS See **ROTATORS** —*ANTENNA*
ANTENNAS-AIRBORNE RADAR See **ANTENNAS** —*RADAR*

ANTENNAS —*AIRCRAFT RADIO*

ADAMS-RUSSELL CO., INC., Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
Bendix Aviation Corp., Bendix Radio Div	Baltimore 4	Md
Blaine Electronetics, Inc.	14757 Keswick St, Van Nuys	Cal
Canadian Marconi Co.	2444 Trenton Ave, Montreal, Canada	
Canoga Div., Underwood Corp.	15330 Oxnard St, Van Nuys	Cal
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
Dare, Inc.	P.O. Box 312, Troy	Ohio
Dorne & Margolin, Inc.	29 New York Ave, Westbury	NY
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
King Radio Corp	9700 W. 75 St, Merriam	Kan
KINGS ELECTRONICS CO., INC., Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Lamtex Industries Inc	Motor Ave, Farmingdale	NY
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Miller Industries	1527 Marion, Grand Haven	Mich
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	England
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Tamar Electronics, Inc.	2045 W. Rosecrans Ave, Gardena	Cal
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Ward Products Corp	Edson Rd, Amsterdam	NY
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla
Z & W Mfg. Corp., Electronics Div	30240 Lakeland Blvd, Wickliffe	Ohio

ANTENNAS —*BROADCAST STATION, A-M, F-M & TV*

Adler Electronics, Inc	1 Lefevre Ln, New Rochelle	NY
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Alpar Mfg. Corp	220 Demeter St, Palo Alto	Cal
Andrew Corp	P. O. Box 807, Chicago 42	Ill
Component Mfg. Service, Inc	West Bridgewater	Mass
Dielectric Products Engrg Co., Inc	Raymond	Me
E-Z Way Towers, Inc	5901 E. Broadway, Tampa	Fla
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
Lamtex Industries Inc.	Motor Ave, Farmingdale	NY
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Rohde & Schwarz, USA, Inc	P.O. Box 275, Passaic	NJ
ROHN MFG. CO., Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Scala Radio Co	2814 19th St, San Francisco 10	Cal
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

ANTENNAS —*COMMUNICATION, FIXED-STATION*

1. GROUND-PLANE 2. MULTI-BAND 3. ROATRY-BEAM 4. VERTICAL

APC, Communication Products Div., 1-2-3-4	P.O. Box 110, Mineral Wells	Tex
ADAMS-RUSSELL CO., INC., 1-2-4, Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
Aeronautical Electronics, Inc., 1	P.O. Box 6527, Raleigh	NC
AINSLIE CORP., 2-3, Adv Pg 545	**531 Pond St, S. Braintree 85**	**Mass**
Allied Record Mfg. Co., 1-2-3-4	6916 Santa Monica Blvd, Hollywood	Cal
Alpar Mfg. Corp., 4	220 Demeter St, Palo Alto	Cal

American Electronics Co., 2	178 Herricks Rd, Mineola	NY
Andrew Corp., 1-2-4	P. O. Box 807, Chicago 42	Ill
Antenna Specialists Co., 1-2-4	12435 Euclid Ave, Cleveland 6	Ohio
Applied Electronics Co., 2-4	213 E. Grand Ave, South San Francisco	Cal
Aviation Electric, Ltd., 1-4	200 Laurentien, Ville St. Laurent, Montreal Quebec, Canada	
Bendix Aviation Corp., Bendix Radio Div., 1	Baltimore 4	Md
Blaine Electronetics, Inc., 1-2	14757 Keswick St, Van Nuys	Cal
Blaw-Knox Co., 4	300 Sixth Ave, Pittsburgh 22	Pa
CG Electronics Corp., 1-2-3-4	15000 Central E., Albuquerque	NM
Canoga Div., Underwood Corp., 2	15330 Oxnard St, Van Nuys	Cal
Chance Vought Aircraft, Inc., 1-2-3	P.O. Box 5907, Dallas 22	Tex
Chu Associates, 1-4	P.O. Box 387, Littleton	Mass
Columbia Products Co., 1-2-4	RFD 3, Columbia	SC
Communications Co., Inc., 1-4	300 Greco Ave, Coral Gables 34	Fla
Component Mfg. Service, Inc., 1	West Bridgewater	Mass
Diamond Antenna & Microwave Corp., 1-2-3-4	River St, Winchester	Mass
Dielectric Products Engrg Co., Inc., 1-4	Raymond	Me
Don-Lan Electronics, Inc., 3	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 1-2-3-4	29 New York Ave, Westbury	NY
DRESSER-IDECO CO., 1, Adv Pg 43	**875 Michigan Ave, Columbus 8**	**Ohio**
E-Z Way Towers, Inc., 3-4	5901 E. Broadway, Tampa	Fla
Finney Co., 3	34 W. Interstate, Bedford	Ohio
Freeman Co., 3	8th & Walnut Sts, Yankton	SD
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, 1-2, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
General Bronze Electronics Corp., Sub of General Bronze Corp., 1-2-3-4	Garden City	NY
General Crystal Co., Inc., 2	P. O. Box 9, Burlington	Wisc
General Electronic Labs., Inc., 2	18 Ames St, Cambridge	Mass
Gonset Div., Young Spring & Wire Corp., 1-2-3-4	801 S. Main St, Burbank	Cal
Granger Associates, 2-3-4	974 Commercial St, Palo Alto	Cal
Gulton Industries, Inc., 1-3	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., 2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hazeltine Corp., 3-4	59-25 Little Neck Pkwy, Little Neck	NY
Hi-Lo Mfg. Corp., 1-2-3-4	1122 W. Newport Ave, Chicago 13	Ill
Houston Fearless Corp., 3	11801 W. Olympic Blvd, Los Angeles 64	Cal
ITT Federal Div., ITT, 3	100 Kingsland Rd, Clifton	NJ
ITT Laboratories, 1-2-4	500 Washington Ave, Nutley 10	NJ
International Electronics Mfg. Co., 2	Greenwood Acres, Annapolis	Md
Jampro Antenna Co., 1-2-4	7500 14th Ave, Sacramento	Cal
Jefferson, Inc., Ray, 1	40 E. Merrick Rd, Freeport	NY
Johnson Co., E.F.	Waseca	Minn
Kaar Engineering Corp., 1	2995 Middlefield Rd, Palo Alto	Cal
Kay-Towns Antenna Co., 1-3	1513 Dean Ave, Rome	Ga
King Radio Corp., 1	9700 W. 75 St, Merriam	Kan
Kreckman Co., Herb, 1-4	Cresco	Pa
Lamtex Industries Inc., 1-4	Motor Ave, Farmingdale	NY
Lance Antenna Corp., 2	1730-1802 First St, San Fernando	Cal
LAPOINTE INDUSTRIES, INC., 2, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Lindsay Antenna & Specialty Prods., Ltd., 1-2-3-4	50 Mary St, Lindsay, Ontario, Canada	
Litton Industries, Maryland Div., 1-2-3-4	4900 Calvert Rd, College Park	Md
MARK PRODUCTS CO., 1-2-3-4, Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Master Mobile Mounts, Inc., 1-2-4	1306 Bond St, Los Angeles 15	Cal
Miller Industries, 1-2-3-4	1527 Marion, Grand Haven	Mich
Morrow Radio Mfg. Co., 1-4	2794 Market St, Salem	Ore
Mosley Electronics, Inc., 1-2-3-4	4610 N. Lindbergh, Bridgeton	Mo
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1-4, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Palmer, Inc., M.V., 1-2	4108 N.W. Fruit Valley Rd, Vancouver	Wash
Philco Corp., Gov't & Ind'l Div., 1-2-3-4	4700 Wissahickon Ave, Philadelphia 44	Pa
Premax Prods. Div. Chisholm-Ryder Co. Inc., 1-4	Highland & College, Niagara Falls 2	NY
Prodelin, Inc., 1-4	307 Bergen Ave, Kearny	NJ
Scala Radio Co., 1-4	2814 19th St, San Francisco 10	Cal
Smith Mfg. Co., J & H, 1-3-4	Little Britain Rd, Newburgh	NY
Sorensen Industrial Electronic Co., 1-4	Rt 10, Dover	NJ
SPECIFIC PRODUCTS, 2, Adv Pg 523	**P.O. Box 425, Woodland Hills**	**Cal**
State Testing Laboratory, Inc., 1	215 Knowlton St, Bridgeport 8	Conn
Sylvania Electronic Systems, 1-2-3	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL APPLIANCE CORP., 1-2-3-4, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TECHNICAL MATERIEL CORP., 4, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Telrex, Inc., 1-2-3	Asbury Park	NJ
Tennalab, 2-3	Quincy	Ill
Tricraft Products Corp., 1-2-3-4	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2-4	Balch St, Beverly	Mass
Ward Products Corp., 1	Edson Rd, Amsterdam	NY
Waveguide, Inc., 1	1769 Placentia Ave, Costa Mesa	Cal
Webster Mfg., 2	317 Roebling Rd, S. San Francisco	Cal
Western Coil & Electrical Co., 4	215 State St, Racine	Wisc
Wheeler Laboratories, Inc., 1-3-4	Great Neck	NY
Wind Turbine Co., 1-3-4	E. Market St & Penna R.R., W. Chester	Pa
Winder Aircraft Corp., 1-2	Dunnellon Air Base, Dunnellon	Fla
Winegard Co., 1	3000 Scotten Blvd, Burlington	Iowa

ANTENNAS –*DIRECTIONAL COUPLERS* See COUPLERS
ANTENNAS –*DIRECTIONAL, PHASING NETWORKS* See NETWORKS
ANTENNAS –DUMMY LOADS See LOADS –*DUMMY*

ANTENNAS –*MARINE*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Allied Record Mfg. Co	6916 Santa Monica Blvd, Hollywood	Cal
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
Applied Electronics Co	213 E. Grand Ave, South San Francisco	Cal
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bart Labs & Desgin Inc	125 Manchester Pl, Newark 4	NJ
Bassett, Inc., Rex	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
Columbia Products Co	RFD 3, Columbia	SC
Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
Granger Associates	974 Commercial St, Palo Alto	Cal
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Hoffman Electronics Corp., Military Prods Div	3740 S. Grand Ave, Los Angeles 7	Cal
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
Jefferson, Inc., Ray	40 E. Merrick Rd, Freeport	NY
Kaar Engineering Corp	2995 Middlefield Rd, Palo Alto	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Master Mobile Mounts, Inc	1306 Bond St, Los Angeles 15	Cal
Miller Industries	1527 Marion, Grand Haven	Mich
Munston Electronic Mfg. Corp	Beech St, Islip	NY
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Premax Products Div., Chisholm-Ryder Co., Inc	Highland & College, Niagara Falls 2	NY
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Raytheon Co. Commercial Appar. & Systems Div	100 River St, Waltham	Mass
Rowe Industries	1702 Wayne St, Toledo 9	Ohio
Scala Radio Co	2814 19th St, San Francisco 10	Cal
Stainless, Inc	3rd St, North Wales	Pa
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Ward Products Corp	Edson Rd, Amsterdam	NY
Webster Mfg	317 Roebling Rd, S. San Francisco	Cal

ANTENNAS-MASTER COMMUNITY See ANTENNAS – TV

ANTENNAS –*MICROWAVE*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
ADAMS-RUSSELL CO., INC., Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
Adler Electronics, Inc	1 Lefevre Ln, New Rochelle	NY
AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc	48 Cummington St, Boston	Mass
Aircraft Armaments, Inc	Cockeysville	Md
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Allied Record Mfg. Co	6916 Santa Monica Blvd, Hollywood	Cal
Alpar Mfg. Corp	220 Demeter St, Palo Alto	Cal
AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Andrew Corp	P. O. Box 807, Chicago 42	Ill
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
Avco Corp., Crosley Div	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
Blaine Electronetics, Inc	14757 Keswick St, Van Nuys	Cal
Blaw-Knox Co	300 Sixth Ave, Pittsburgh 22	Pa
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
CG Electronics Corp	15000 Central E., Albuquerque	NM
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Canoga Div., Underwood Corp	15330 Oxnard St, Van Nuys	Cal
Cascade Research Div., Monogram	5245 San Fernando Rd W., LA 39	Cal
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
Chu Associates	P.O. Box 387, Littleton	Mass
Collins Radio Co	855 35 St N.E., Cedar Rapids	Iowa
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Crown Internat'l Div., Int. Rad & El Corp	Box 261, Elkhart	Ind
Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
EMI-COSSOR ELECTRONICS LTD., Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
E-Z Way Towers, Inc	5901 E. Broadway, Tampa	Fla
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
Gar Precision Parts, Inc	190 Henry St, Stamford	Conn
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
General Electric Co., Heavy Military Electronics Dept	Court St, Syracuse	NY
General Electronic Labs., Inc	18 Ames St, Cambridge	Mass
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp	1210 Massillon Rd, Akron 15	Ohio
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
Granger Associates	974 Commercial St, Palo Alto	Cal
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
HRB-SINGER, INC., Adv Pg 493	**Science Park, State College**	**Pa**
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave		

Prods	14844 Oxnard St, Van Nuys	Cal
Kennedy & Co., D.S.	Cohasset	Mass
KINGS ELECTRONICS CO., INC., Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Laboratory for Electronics, Inc.	1079 Commonwealth, Boston 15	Mass
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Miller Industries	1527 Marion, Grand Haven	Mich
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Palmer, Inc., M.V.	4108 N.W. Fruit Valley Rd, Vancouver	Wash
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Prodelin, Inc	307 Bergen Ave, Kearny	NJ
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
Singer Mfg. Co., Military Products Div	149 Broadway, New York 3	NY
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
Stainless, Inc	3rd St, North Wales	Pa
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	England
Strand Engineering Co	1354 N. Main St, Ann Arbor	Mich
Sylvania Electronic Systems	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Temco Electronics Div., Temco Aircraft Corp	P.O. Box 6191, Dallas 22	Tex
TORNGREN CO., INC., C.W., Adv Pg 505	**236 Pearl St, Somerville 45**	**Mass**
Tower Construction Co	2700 Hawkeye Dr, Sioux City	Iowa
Tri-ex Tower Corp	127 E. Inyo, Tulare	Cal
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
TURBOMACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveguide, Inc	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc	P.O. Box 718, Caldwell	NJ
Wiley Electronics, Div., Savage Industries	2045 W. Cheryl Dr, Phoenix	Ariz
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla
Zenith Plastic Co	P.O. Box 91, Gardena	Cal

ANTENNAS —MOBILE

1. AUTO RADIO 2. RECEIVING 3. TRANSMITTING WHIP

Aeronautical Electronics, Inc., 2-3	P.O. Box 6527, Raleigh	NC
American Development Electronics Co., 3	212 Central Ave, Newark	NJ
Antenna Specialists Co., 1-2-3	12435 Euclid Ave, Cleveland 6	Ohio
Applied Electronics Co., 3	213 E. Grand Ave, South San Francisco	Cal
Aviation Electric, Ltd., 3	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bassett, Inc., Rex, 2-3	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Brach Mfg. Corp., 1	200 Central Ave, Newark	NJ
Buggie, H.H., Div., Burndy Corp., 1	P.O. Box 817, Toledo 1	Ohio
CG Electronics Corp., 2	15000 Central E., Albuquerque	NM
Columbia Products Co., 3	RFD 3, Columbia	SC
Electrend Products Corp., 1	State & Water Sts, St Joseph	Mich
Gonset Div., Young Spring & Wire Corp., 2-3	801 S. Main St, Burbank	Cal
HALLICRAFTERS CO., 2-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hazeltine Corp., 2	59-25 Little Neck Pkwy, Little Neck	NY
Hi-Lo Mfg. Corp., 1-2-3	1122 W. Newport Ave, Chicago 13	Ill
Industrial Products-Danbury, Knudsen Div, Amphenol-Borg Electronics Corp., 1	33 E. Franklin St, Danbury	Conn
J.F.D. ELECTRONICS CORP., 2-3, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
K-W Engineering Works, 3	N 50 W16328 Pin Oak Ct, (P.O.) Butler	Wisc
Kaar Engineering Corp., 3	2995 Middlefield Rd, Palo Alto	Cal
Kay-Towns Antenna Co., 2-3	1513 Dean Ave, Rome	Ga
KINGS ELECTRONICS CO., INC., 3, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kuss Industries, Inc., 2	Tacony & Lewis Sts, Philadelphia 24	Pa
Lamtex Industries Inc., 3	Motor Ave, Farmingdale	NY
MARK PRODUCTS CO., 2-3, Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Master Mobile Mounts, Inc., 1-2-3	1306 Bond St, Los Angeles 15	Cal
Mosley Electronics, Inc., 3	4610 N. Lindbergh, Bridgeton	Mo
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 2-3, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Premax Products Div., Chisholm-Ryder Co., Inc., 3	Highland & College, Niagara Falls 2	NY
Prodelin, Inc., 2	307 Bergen Ave, Kearny	NJ
Production Research Corp., Sub of Radio Condenser Co., 2	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 2-3	Newmarket Rd, Cambridge, England	
Radio Corp of America Indl Electronic Prods, 1-2-3	Front & Cooper, Camden	NJ
Radion Corp., The, 1-2-3	345 Terra Cotta Ave, Crystal Lake	Ill
Smith Mfg. Co., J & H, 2-3	Little Britain Rd, Newburgh	NY
Snyder Mfg. Co., 1	22 & Ontario St, Philadelphia	Pa
Sorensen Industrial Electronic Co., 3	Rt 10, Dover	NJ
Spirling Products Co., Inc., 1	Henrietta St & Duffy Ave, Hicksville	NY
State Testing Laboratory, Inc., 3	215 Knowlton St, Bridgeport 8	Conn
Tamar Electronics, Inc., 3	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL APPLIANCE CORP., 2, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TECHNICAL MATERIEL CORP., 2-3, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Telco Electronics Mfg. Co., 1	400 S. Wyman St, Rockford	Ill
Tenatronics Ltd., 1	1011 Power Ave, Cleveland 14	Ohio
Tricraft Products Corp., 1-2-3	1124 W. Newport Ave, Chicago 13	Ill
Ward Products Corp., 1-2-3	Edson Rd, Amsterdam	NY
Webster Mfg., 3	317 Roebling Rd, S. San Francisco	Cal
Wheeler Laboratories, Inc., 2-3	Great Neck	NY
Winder Aircraft Corp., 2-3	Dunnellon Air Base, Dunnellon	Fla

ANTENNAS —RADAR

1. AIRBORNE. COMMERCIAL 2. GROUND. COMMERCIAL 3. MILITARY 4. SHIP. COMMERCIAL

APC, Communication Products Div., 2-3	P.O. Box 110, Mineral Wells	Tex
ADAMS-RUSSELL CO., INC., 3, Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
AINSLIE CORP., 1-2-3-4, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 2, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 3	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries, 1-3	200 E. Hanover Ave, Morris Plains	NJ
Allied Record Mfg. Co., 1-2-3-4	6916 Santa Monica Blvd, Hollywood	Cal
Alpar Mfg. Corp., 3	220 Demeter St, Palo Alto	Cal
American Machine & Foundry Co., Government Products Group, 2-3	1701 K St, N.W., Washington 6	DC
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2-3-4, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Antenna Specialists Co., 3	12435 Euclid Ave, Cleveland 6	Ohio
ANTENNA SYSTEMS, INC., 1-2-3-4, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Avco Corp., Crosley Div., 3	1329 Arlington St, Cincinnati 25	Ohio
Avco Corp., Nashville Div., 3	Nashville	Tenn
Aviation Electric, Ltd., 4	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bart Labs & Design Inc., 1-2-3-4	125 Manchester Pl, Newark 4	NJ
Bendix Aviation Corp., Bendix Radio Div., 1	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 3-4	11600 Sherman Way, North Hollywood	Cal
Birdair Structures, Inc., 3	Buffalo Industrial Pk, 1800 Broadway, Buffalo 12	NY
Blaine Electronetics, Inc., 2-3	14757 Keswick St, Van Nuys	Cal
Blaw-Knox Co., 2-3	300 Sixth Ave, Pittsburgh 22	Pa
Bogart Mfg. Corp., 1-3	315 Seigel St, Brooklyn 6	NY
Brach Mfg. Corp., 1-2-3	200 Central Ave, Newark	NJ
Brooks & Perkins, Inc., 1-2-3	1950 W. Fort St, Detroit 16	Mich
BUDD-STANLEY CO., INC., 3, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
Canoga Div., Underwood Corp., 3	15330 Oxnard St, Van Nuys	Cal
Chance Vought Aircraft, Inc., 1-2-3-4	P.O. Box 5907, Dallas 22	Tex
Chu Associates, 3	P.O. Box 387, Littleton	Mass
Communications Co., Inc., 2	300 Greco Ave, Coral Gables 34	Fla
Dalmo Victor Co., Div., Textron, Inc., 1-2-3-4	1415 Industrial Way, Belmont	Cal
Diamond Antenna & Microwave Corp., 1-2-3-4	River St, Winchester	Mass
Don-Lan Electronics, Inc., 3	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 1-3	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., 1-2-3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
DRESSER-IDECO CO., 2-3, Adv Pg 43	**875 Michigan Ave, Columbus 8**	**Ohio**
EMI-COSSOR ELECTRONICS LTD., 3, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1-3, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electron-Radar Products, 3	4806 W. Chicago Ave, Chicago 51	Ill
ELECTRONIC SPECIALTY CO., 1-2-3, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Emerson Electric Mfg. Co., 3	8100 Florissant Ave, St. Louis 36	Mo
Engineering Associates, 3	434 Patterson Rd, Dayton 19	Ohio
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, 1-2-3-4, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
General Bronze Electronics Corp., Sub of General Bronze Corp., 3	Garden City	NY
General Electric Co., Heavy Military Electronics Dept., 3-4	Court St, Syracuse	NY
General Electric Co., Ordnance Dept., 2-3	100 Plastics Ave, Pittsfield	Mass
Gilfillan Bros., Inc., 2-3	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp., 3	1210 Massillon Rd, Akron 15	Ohio
Gorham Electronics, Div of Gorham Mfg. Co., 1-3	333 Adelaide Ave, Providence 7	RI
Granger Associates, 3	974 Commercial St, Palo Alto	Cal
HRB-SINGER, INC., 3, Adv Pg 493	**Science Park, State College**	**Pa**
Hallamore Electronics Co., 3	714 N. Brookhurst Ave, Anaheim	Cal
HALLICRAFTERS CO., 1-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hazeltine Corp., 3	59-25 Little Neck Pkwy, Little Neck	NY
Hughes Microwave Components Div., 3	Florence & Teale, Culver City	Cal
I-T-E CIRCUIT BREAKER CO., 1-2-3, Adv Pg 449	**601 E. Erie Ave, Philadelphia 34**	**Pa**
ITT Laboratories, 1-2-3-4	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 1-3	129-07 18th Ave, College Point 56	NY
Jampro Antenna Co., 2-3	7500 14th Ave, Sacramento	Cal
KEARFOTT DIV., GEN PRECISION, INC., 1-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kennedy & Co., D.S., 2-3	Cohasset	Mass
KINGS ELECTRONICS CO., INC., 1-3, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kollmorgen Optical Corp., 3	347 King St, Northampton	Mass
Lamtex Industries Inc., 1-2-3-4	Motor Ave, Farmingdale	NY
Land-Air, Inc., 1-3	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 3	3171 S. Bundy Dr, Santa Monica	Cal
Litton Industries, Maryland Div., 3	4900 Calvert Rd, College Park	Md
Lockheed Electronics Co., Stavid Div., 1-2-3	U.S. Hwy 22, Plainfield	NJ
Marconi's Wireless Telegraph Co., Ltd., 2-3-4	750 Third Ave, New York 17	NY
MARK PRODUCTS CO., 1-2-3-4, Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Mason, Shaver & Rhoades, Inc., 3	P.O. Box 551, Irwin	Pa
Master Mobile Mounts, Inc., 4	1306 Bond St, Los Angeles 15	Cal
Melpar, Inc., 3	3000 Arlington Blvd, Falls Church	Va
Meridian Metalcraft, Inc., 1-2-3-4	8739 S. Millergrove Dr, Whittier	Cal
Microwave Corp. of America, 1-2-3	P.O. Box 278, Stamford	Conn
Miller Industries, 1-2-3-4	1527 Marion, Grand Haven	Mich
Norden Div., United Aircraft Corp., 3	58 Commerce Rd, Stamford	Conn
Philco Corp., Gov't & Ind'l Div., 2-3	4700 Wissahickon Ave, Philadelphia 44	Pa
Premax Prods. Div. Chisholm-Ryder Co. Inc., 1-2	Highland & College, Niagara Falls 2	NY
Production Research Corp., Sub of Radio Condenser Co., 1-2	Claremont Ave, Thornwood	NY
Radiation, Inc., 3	Melbourne	Fla
Rantec Corp., 1-2-3-4	23999 Ventura Blvd, Calabasas	Cal
Raytheon Co. Commercial Appar. & Systems Div., 4	100 River St, Waltham	Mass
Reeves Instrument Corp., 3	Roosevelt Field, Garden City	NY
SANDERS ASSOCIATES, INC., 3, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Sierra Research Corp., 1-2-3-4	P.O. Box 22, Buffalo 25	NY

Singer Mfg. Co., Military Products Div., 3	149 Broadway, New York 3	NY
Sperry Gyroscope Div., Sperry Rand, 1-3-4	Great Neck	NY
SPERRY MICROWAVE ELECTRONICS CO., 1-2-3-4, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Stainless, Inc., 2-3	3rd St, North Wales	Pa
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	England
Strand Engineering Co., 3	1354 N. Main St, Ann Arbor	Mich
Sylvania Electronic Systems, 3	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc., 3	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-3	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL APPLIANCE CORP., 1-2-3-4, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 1-2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
TELERAD MFG. CORP., 3, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Telrex, Inc., 2-3-4	Asbury Park	NJ
Temco Electronics Div., Temco Aircraft Corp., 3	P.O. Box 6191, Dallas 22	Tex
Texas Instruments Incorporated, Apparatus Div., 2-3	6000 Lemmon Ave, Dallas 9	Tex
Topp Industries, Inc., 1-2	5221 W. 102 St, Los Angeles 45	Cal
TORNGREN CO., INC., C.W., 1, Adv Pg 505	**236 Pearl St, Somerville 45**	**Mass**
Transco Products Inc., 1-3	12210 Nebraska Ave, L A 25	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2-3-4	Balch St, Beverly	Mass
Washington Aluminum Co., Inc., 1-3-4	Pa RR & Knecht, Baltimore 29	Md
Waveguide, Inc., 1-3	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc., 3	P.O. Box 718, Caldwell	NJ
WESTINGHOUSE ELECTRIC CORP., 3, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wheeler Laboratories, Inc., 3	Great Neck	NY
White Aircraft Corp	Palmer	Mass
Winder Aircraft Corp., 3	Dunnellon Air Base, Dunnellon	Fla
Z & W Mfg. Corp., Electronics Div., 1	30240 Lakeland Blvd, Wickliffe	Ohio
Zenith Plastic Co., 1-2-3	P.O. Box 91, Gardena	Cal

ANTENNAS —*RADIO RECEIVING, ENTERTAINMENT*

1. A-M FERRITE-ROD 2. A-M LOOP, WIRE 3. A-M OUTDOOR 4. F-M BUILT-IN 5. F-M OUTDOOR

Ace Coil & Electronics Co., 1	912 Lincoln Hwy, Metuchen	NJ
American Electronics Co., 3-4	178 Herricks Rd, Mineola	NY
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 5, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Antenna Designs Inc., 5	223 S. Third St, Burlington	Iowa
Antenna Specialists Co., 3	12435 Euclid Ave, Cleveland 6	Ohio
Apparatus Development Co., Inc., 5	Drawer 153, Wethersfield 9	Conn
Artted Co., Inc., 1	367 Worthington St, Springfield 3	Mass
AUDIOTEX MFG. CO., 4-5, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Barker Products Co., 4	3 Component Park, West Bridgewater	Mass
Caddell Burns Mfg. Co., Inc., 1	40 E. 2nd St, Mineola	NY
Calbest Electronics Co., 2	4801 Exposition Blvd, Los Angeles 16	Cal
Central Coil Co., 1	1722 N. Luett St, Indianapolis	Ind
Channel Master Co., 5	Ellenville	NY
Clear Beam Antenna Co., 5	21341 Roscoe Blvd, Canoga Park	Cal
Coilcraft, Inc., 1-2	Cary	Ill
Coils-Electronics Co., 1	2939-49 N. 2nd St, Philadelphia 33	Pa
Consolidated Wire & Associated Cos., 3	1635 S. Clinton St, Chicago 16	Ill
CUSTOM COMPONENTS, INC., 1, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
Dukane Corp., 3-5	St. Charles	Ill
Eastern Jewel Corp., 1	Plainview	NY
El-Rad Mfg. Co., 1-2	4300 N. California Ave, Chicago 18	Ill
Finney Co., 5	34 W. Interstate, Bedford	Ohio
GATES RADIO CO., 3-5, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gavitt Wire & Cable Co., 1-2	Central St, Brookfield	Mass
General Electric Co., Heavy Military Electronics Dept., 1	Court St, Syracuse	NY
Hall Mfg. Co., 1	3901 Wesley Terr, Schiller Park	Ill
Hi-Lo Mfg. Corp., 3-5	1122 W. Newport Ave, Chicago 13	Ill
J.F.D. ELECTRONICS CORP., 5, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
KRYSTINEL CORP., 1, Adv Pg 555	**Fox Island Rd, Port Chester**	**NY**
Lance Antenna Corp., 3-5	1730-1802 First St, San Fernando	Cal
Lindsay Antenna & Specialty Prods., Ltd., 5	50 Mary St, Lindsay, Ontario, Canada	
Merit Coil & Transformer Corp., 1	2027 Sherman St, Hollywood	Fla
Miller Co., J.W., 1-2	5915 S. Main St, Los Angeles	Cal
Oaktron Electric Co., 2	Tinley Park	Ill
Philmore Mfg. Co., Inc., 3	130-01 Jamaica Ave, Richmond Hill 18	NY
Philson Mfg. Co., Inc., 5	47 Bergen St, Brooklyn 7	NY
Precision Electronics, Inc., 1-2-4	9101 King St, Franklin Park	Ill
Premax Products Div., Chisholm-Ryder Co., Inc., 3	Highland & College, Niagara Falls 2	NY
Radio Merchandise Sales, Inc., 5	2016 Bronxdale Ave, New York 62	NY
Radion Corp., The, 3-4-5	345 Terra Cotta Ave, Crystal Lake	Ill
Renco Electronics, Inc., 1	240-1 Old Country Rd, Hicksville	NY
RIXON ELECTRONICS, INC., 5, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Rollan Electric Co., 1-2	8233 S. Princeton Ave, Chicago 20	Ill
S & A Electronics, Inc., 5	1025 Nevada St, Toledo 5	Ohio
Saxton Products, Inc., 4	4320 Park Ave, Bronx 57	NY
Scala Radio Co., 5	2814 19th St, San Francisco 10	Cal
Sickles F.W., Div., General Instrument Corp., 1-2	165 Front St, Chicopee	Mass
Sierra Electric Corp., 4	15100 S. Figueroa St, Gardena	Cal
Sioux Radio Products, 1	100 Douglas Ave, Yankton	SD
Standard Winding Corp., 1-2	44-62 Johnes St, Newburgh	NY
Stanwyck Winding Co., 1-2	137 Walsh Ave, Newburgh	NY
Superex Electronics Corp., 1	4-6 Radford Pl, Yonkers	NY
TECHNICAL APPLIANCE CORP., 5, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Telco Electronics Mfg. Co., 1-5	400 S. Wyman St, Rockford	Ill
Telrex, Inc., 5	Asbury Park	NJ
Tennalab, 5	Quincy	Ill
Thordarson-Meissner Mfg. Co., 1-2	7th & Belmont Ave, Mt. Carmel	Ill
Tricraft Products Corp., 3-5	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec., 5	Balch St, Beverly	Mass
Video Industries Co., 5	242 Madison Ave, Port Chester	NY
Waber Electronics, Inc., 4	Hancock & Sommerset, Philadelphia 33	Pa
Wind Turbine Co., 3-5	E. Market St & Penna R.R., W. Chester	Pa
Winegard Co., 5	3000 Scotten Blvd, Burlington	Iowa
Zenith Radio Corp., 1-2	6001 Dickens Ave, Chicago 39	Ill

ANTENNAS —*RADIO TELESCOPE* See RADIO TELESCOPES

ANTENNAS —*RAILROAD RADIO*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bendix Aviation Corp., Bendix Radio Div	Baltimore 4	Md
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
Kreckman Co., Herb	Cresco	Pa
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Scala Radio Co	2814 19th St, San Francisco 10	Cal
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Ward Products Corp	Edson Rd, Amsterdam	NY

ANTENNAS —*TELESCOPIC*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
Brach Mfg. Corp	200 Central Ave, Newark	NJ
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Isolantite Mfg. Corp	Stirling	NJ
J.F.D. ELECTRONICS CORP., Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
K-W Engineering Works	N50 W16328 Pin Oak Ct, (P.O.) Butler	Wisc
Lance Antenna Corp	1730-1802 First St, San Fernando	Cal
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Peerless Products Industries	812 N. Pulaski St, Chicago 51	Ill
Pimex, Inc	18 E. 60th St, New York 22	NY
Premax Products Div., Chisholm-Ryder Co., Inc	Highland & College, Niagara Falls 2	NY
Radion Corp., The	345 Terra Cotta Ave, Crystal Lake	Ill
Stainless, Inc	3rd St, North Wales	Pa
Tenatronics Ltd	1011 Power Ave, Cleveland 14	Ohio
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Ward Products Corp	Edson Rd, Amsterdam	NY
Washington Aluminum Co., Inc	Pa RR & Knecht, Baltimore 29	Md

ANTENNAS —*TEST MODELS*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
ADAMS-RUSSELL CO., INC., Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
Blaine Electronetics, Inc	14757 Keswick St, Van Nuys	Cal
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
Lance Antenna Corp	1730-1802 First St, San Fernando	Cal
MARK PRODUCTS CO., Adv Pg 522	**5439 W. Fargo Ave, Skokie**	**Ill**
Radio Merchandise Sales, Inc	2016 Bronxdale Ave, New York 62	NY
Scala Radio Co	2814 19th St, San Francisco 10	Cal
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Ward Products Corp	Edson Rd, Amsterdam	NY
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

ANTENNAS — TV, VHF & UHF

1. MASTER COMMUNITY 2. RECEIVING, BUILT-IN 3. RECEIVING, INDOOR 4. RECEIVING, OUTDOOR

APC, Communication Products Div., 1	P.O. Box 110, Mineral Wells	Tex
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Aerolite Electronics Corp., 2	2207 Summit Ave, Union City	NJ
Allweather Antennas Mfg. Co., 4	352 S. Egg Harbor, Hammonton	NJ
American Electronics Co., 4	178 Herricks Rd, Mineola	NY
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 4, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Andrew Corp., 1	P. O. Box 807, Chicago 42	Ill
Antenna Designs Inc., 4	223 S. Third St, Burlington	Iowa
Antenna Specialists Co., 2	12435 Euclid Ave, Cleveland 6	Ohio
Benco Television Associates, Ltd., 1	27 Taber Rd, Rexdale, Ontario, Canada	
Brach Mfg. Corp., 2-3	200 Central Ave, Newark	NJ
CG Electronics Corp., 4	15000 Central E., Albuquerque	NM
Channel Master Co., 3-4	Ellenville	NY
Clear Beam Antenna Co., 3-4	21341 Roscoe Blvd, Canoga Park	Cal
E-Z Way Towers, Inc., 1	5901 E. Broadway, Tampa	Fla
Finney Co., 4	34 W. Interstate, Bedford	Ohio
Intercontinental Electronics, 1	1551 Franklin Ave, Mineola	NY
J.F.D. ELECTRONICS CORP., 3-4, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
JERROLD ELECTRONICS CORP., 1-3, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Kay-Towns Antenna Co., 4	1513 Dean Ave, Rome	Ga
Lab-Tronics, Inc., 3	3656 N. Lincoln, Chicago 13	Ill
Lance Antenna Corp., 1-3-4	1730-1802 First St, San Fernando	Cal
Lindsay Antenna & Specialty Prods., Ltd., 1-3-4	50 Mary St, Lindsay, Ontario, Canada	
Marconi's Wireless Telegraph Co., Ltd., 1	750 Third Ave, New York 17	NY
Parker Metal Goods Co., 3-4	85 Prescott St, Worcester	Mass
Peerless Products Industries, 2-3	812 N. Pulaski St, Chicago 51	Ill
Philson Mfg. Co., Inc., 4	47 Bergen St, Brooklyn 7	NY
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Radio Merchandise Sales, Inc., 3-4	2016 Bronxdale Ave, New York 62	NY
Radion Corp., The, 2-3-4	345 Terra Cotta Ave, Crystal Lake	Ill
Rego Insulated Wire Co., 3	830 Monroe St, Hoboken	NJ
S & A Electronics, Inc., 4	1025 Nevada St, Toledo 5	Ohio
Scala Radio Co., 1	2814 19th St, San Francisco 10	Cal
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal
Simplicity Tool Co., 1-4	2850 N. Mississippi Ave, Portland	Ore
Snyder Mfg. Co., 3-4	22 & Ontario St, Philadelphia	Pa
Spirling Products Co., Inc., 3	Henrietta St & Duffy Ave, Hicksville	NY
Stainless, Inc., 1-4	3rd St, North Wales	Pa
Superex Electronics Corp., 3	4-6 Radford Pl, Yonkers	NY
Surface Conduction, Inc., 1	521 Fifth Ave, New York 17	NY
TECHNICAL APPLIANCE CORP., 1-4, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Telrex, Inc., 4	Asbury Park	NJ
Tennalab, 1-4	Quincy	Ill

Trad Electronics Corp., 3	1001 First Ave, Asbury Park	NJ
Tricraft Products Corp., 3-4	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec., 1	Balch St, Beverly	Mass
Video Industries Co., 4	242 Madison Ave, Port Chester	NY
Waber Electronics, Inc., 2-3	Hancock & Sommerset, Philadelphia 33	Pa
Ward Products Corp., 3	Edson Rd, Amsterdam	NY
Winegard Co., 1-4	3000 Scotten Blvd, Burlington	Iowa

ANTENNAS – VHF *OMNIDIRECTIONAL RADIO RANGE*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
Aircraft Radio Corp	Boonton	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
American Electronics Co	178 Herricks Rd, Mineola	NY
Andrew Corp	P. O. Box 807, Chicago 42	Ill
Antenna Specialists Co	12435 Euclid Ave, Cleveland 6	Ohio
Bendix Aviation Corp., Bendix Radio Div	Baltimore 4	Md
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
Buggie, H.H., Div., Burndy Corp	P.O. Box 817, Toledo 1	Ohio
CG Electronics Corp	15000 Central E., Albuquerque	NM
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
Channel Master Co	Ellenville	NY
Chu Associates	P.O Box 387, Littleton	Mass
Collins Radio Co	855 35 St N.E., Cedar Rapids	Iowa
Columbia Products Co	RFD 3, Columbia	SC
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
King Radio Corp	9700 W. 75 St, Merriam	Kan
Lance Antenna Corp	1730-1802 First St, San Fernando	Cal
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
National Aeronautical Corp	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
Premax Products Div., Chisholm-Ryder Co., Inc	Highland & College, Niagara Falls 2	NY
Pye Telecommunications, Ltd	Newmarket Rd, Cambridge, England	
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Radion Corp., The	345 Terra Cotta Ave, Crystal Lake	Ill
RIXON ELECTRONICS, INC., Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Scala Radio Co	2814 19th St, San Francisco 10	Cal
Servo Corp of America	111 New South Rd, Hicksville	NY
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
Stainless, Inc	3rd St, North Wales	Pa
Tamar Electronics, Inc	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Transco Products Inc	12210 Nebraska Ave, L A 25	Cal
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa
Winegard Co	3000 Scotten Blvd, Burlington	Iowa

ANTENNA TOWERS See TOWERS
ANTENNA TRANSFER SWITCHES See SWITCHES –*AUTOMATICALLY OPERATED*
ANTENNA TUNING UNITS See COILS –*ANTENNA LOADING:* TUNING UNITS
ANTENNA WIRE See WIRE –*ANTENNA*
ANTICOINCIDENCE ANALYZERS See ANALYZERS –*COINCIDENCE & ANTICOINCIDENCE*

ANTIMONY

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

ANTISTATIC COATINGS See COATINGS
APERTURE MASKS-COLOR TV TUBE See MASKS –*APERTURE*
APERTURE PLATES See MEMORIES –*COMPUTER*
ARCBACK INDICATORS See INDICATORS –*ARCBACK*

ASBESTOS
1. FINISHED PARTS 2. RAW MATERIAL 3. RODS 4. SHEETS-TUBING: See TUBING – *NONMETALLIC*

Acme Wire Co., 1-4	New Haven 14	Conn
American Smelting & Refining Co., 2	120 Broadway, New York 5	NY
Auburn Mfg. Co., The, 1-4	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 1	22 Williams St, Everett 49	Mass
Bestcraft Products Co., Inc., 1	626 Broadway, New York	NY
Chemtronics Inc., 2	870 E. 52nd St, Brooklyn 3	NY
Cortland Industries, Inc., 1	4545 Cortland St, Chicago 39	Ill
Electro-Technical Prods Div., Sun Chem Corp., 4	113 E. Centre St, Nutley 10	NJ
General Gaskets, Inc., 1	Middletown	Conn
Johns-Manville, 1-2-3-4	22 E. 40 St, New York 16	NY
Lamtex Industries Inc., 1	Motor Ave, Farmingdale	NY
Mechanical Felt & Textiles Co., 4	50 W. 18 St, Weehawken	NJ
Minor Rubber Co., Inc., 1-4	49 Ackerman St, Bloomfield	NJ
National Gasket & Washer Co., 1-4	122 E. 25 St, New York	NY
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Peerless Products Industries, 1	812 N. Pulaski St, Chicago 51	Ill
Penn Fibre & Specialty Co., 1	2020 E. Westmoreland St, Philadelphia 34	Pa
Raybestos-Manhattan, Inc., 1	61 Willett St, Passaic	NJ
Staver Co., Inc., 1	41 N. Saxon Ave, Bay Shore	NY
U.S. Rubber Co., 2-4	1230 Ave of the Americas, New York 20	NY
ZIPPERTUBING CO., 1-4, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

ASPHALT & PITCH

Hi-Test Chemical Corp	722 64th St, Brooklyn 20	NY
Johns-Manville	22 E. 40 St, New York 16	NY
Plastics & Coal Chem Div., Allied Chem Corp	40 Rector St, New York 6	NY
Zophar Mills, Inc	115 26th St, Brooklyn 32	NY

ASSEMBLIES-CABLE See CABLE ASSEMBLIES: HARNESSES

ASSEMBLY BENCHES & STOOLS See BENCHES & STOOLS
ASSEMBLY HOODS See HOODS
ATOMIC CLOCKS See STANDARDS –*FREQUENCY, ATOMIC*
ATTENUATION METERS See METERS –*ATTENUATION*

ATTENUATORS
1. A-F 2. MICROWAVE, FIXED 3. MICROWAVE, VARIABLE 4. R-F & I-F

ACDC ELECTRONICS, INC., 4, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
Aerovox Corp., 1	740 Belleville Ave, New Bedford	Mass
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 4, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 2-3	48 Cummington St, Boston	Mass
Airtec, Inc., 2-3	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2-3-4	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., 3, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Allison Laboratories, Inc., 1	11301 E. Ocean Ave, La Habra	Cal
American-Monarch Corp., 1	2801 37 Ave N.E. Minneapolis 18	Minn
Antennavision, Inc., 4	2949 W. Osborn Rd, Phoenix	Ariz
Apparatus Development Co., Inc., 4	Drawer 153, Wethersfield 9	Conn
APPLIED RESEARCH, INC., 2-4, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Ardwin Microlab Inc., 2-3	21 Spencer St, Stoneham 80	Mass
ARENBERG ULTRASONIC LAB., INC., 4, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
ARRA CORP., 2-3-4, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 2-3-4, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Avionics Ltd., 2-3	Box 200, Niagara-on-the-Lake, Ontario	
Bellaire Electronics, Inc., 2	62 White St, Red Bank	NJ
Benco Television Associates, Ltd., 4	27 Taber Rd, Rexdale, Ontario, Canada	
Blonder-Tongue Laboratories, Inc., 4	Dept EBG, 9 Alling St, Newark 2	NJ
BUDD-STANLEY CO., INC., 2-3, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C.E.S. Electronic Products, Inc., 1	P.O. Box 7504, San Diego 7	Cal
C W S Waveguide Corp., 2-3	301 W. Hoffman Ave, Lindenhurst	NY
Cascade Research Div., Monogram, 3	5245 San Fernando Rd W., L A 39	Cal
Caswell Electronics Corp., 2-3	414 Queens Ln, San Jose 12	Cal
CLAROSTAT MFG. CO., INC., 1, Adv Pg 129	**Dover**	**NH**
CONTROL ELECTRONICS CO., INC., 2-3-4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cooper Development Corp., 2	2626 S. Peck Rd, Monrovia	Cal
CUSTOM COMPONENTS, INC., 2, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
DAVEN CO., 1-4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DEMORNAY-BONARDI, 2-3, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 2-3-4	River St, Winchester	Mass
Don-Lan Electronics, Inc., 2-3	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., 2-3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
DYMEC, DIV., HEWLETT-PACKARD CO., 3, Adv. Pgs 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Dynamic Electronics, Capehart Corp., 1	87-46 123 St, Richmond Hill 18	NY
Electrical & Physical Instrument Corp., 3-4	42-19 27 St, L I City 1	NY
ELECTRO IMPULSE LAB., INC., 3, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electron-Radar Products, 2	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Applications, Inc., 1-3-4	194 Richmond Hill Ave, Stamford	Conn
EMPIRE DEVICES PRODUCTS CORP., 2-3-4, Adv Pg 454	**Amsterdam**	**NY**
Entron, Inc., 4	4902 Lawrence St, Bladensburg	Md
FXR, INC., 2-3-4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Filmohm Corp., 2-3	48 W. 25 St, New York 10	NY
Frequency Standards, Div., Harvard Industries, Inc., 2-3	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div., 2	Vestal Pkwy E., Binghamton	NY
General Measurements Co., Inc., 3	1108 Beacon St, Newton Highlands 61	Mass
GENERAL RADIO CO., 1-2-3-4, Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc., 1-4	3211 S. La Cienega, Los Angeles 16	Cal
Gilfillan Bros., Inc., 2-3	1815 Venice Blvd, Los Angeles 6	Cal
Goodmans Industries Ltd., Axiom Works, 1	Wembley, Middlesex, England	
Gotham Audio Corp., 1	2 W. 46 St, New York 36	NY
Graham Mfg. Co., Inc., 2-3	470 Bridge St, East Greenwich	RI
HEWLETT-PACKARD CO., 1-2-3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 2-3-4	35 Old County Rd, Westbury	NY
Holt Instrument Laboratories, 1	Oconto	Wisc
I-T-E CIRCUIT BREAKER CO., 2-3, Adv Pg 449	**601 E. Erie Ave, Philadelphia 34**	**Pa**
Interlab, Inc., 1	437-5th Ave, New York 16	NY
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
Javex Electronics, 1	P.O. Box 646, Redlands	Cal
JERROLD ELECTRONICS CORP., 4, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 4, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KAY ELECTRIC CO., 4, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., 2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
KINGS ELECTRONICS CO., INC., 4, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
LIECO, INC., 2-3, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
McMillan Industrial Corp., 2	Brownville Ave Plant, Ipswich	Mass
MARCONI INSTRUMENTS, 4, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
MAURY & ASSOCIATES, 2-3-4, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
MEASUREMENTS DIV., McGRAW-EDISON CO., 4, Adv Pg 546	**Boonton**	**NJ**
Melabs, 3	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc., 2-3	8739 S. Millergrove Dr, Whittier	Cal
Merrimac Research & Development, Inc., 3-4	517 Lyons Ave, Irvington	NJ
Metavac, Inc., 2-3	45-68 162 St, Flushing 58	NY
MICROLAB, 2-3-4, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 2	Box 1166, Greenwich	Conn
Microtech, Inc., 2-3	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc., 2-3	Burlington	Mass
Microwave Corp. of America, 1-2-3	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 2-3	92 Broad St, Babson Park 57	Mass
Missile Systems Corp., 2-3	11949 Vose St, North Hollywood	Cal
Muirhead & Co., Ltd., 1	Beckenham, Kent, England	
N.R.K. Mfg. & Engineering Co., 2-3	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 2-3	118-160 Herricks Rd, Mineola	NY
Ohmite Mfg. Co., 1	3601 Howard St, Skokie	Ill
Omega Laboratories, Inc., 2-3	P.O. Box 308, Rowley	Mass
Otis Elevator Co., 1-2-3-4	35 Ryerson St, Brooklyn 5	NY

PRD ELECTRONICS, INC., 2-3, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 2-3, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 2-3	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 2-3, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Pyroferric Co., Inc., 2-3	621 E. 216 St, New York 67	NY
Radar Measurements Corp., 2-3	190 Duffy Ave, Hicksville	NY
Radiometer, 1	72 Emdrupvej, Copenhagen NV 1, Denmark	
Ram Electronics, Inc., 4	600 Industrial Ave, Paramus	NJ
Rantec Corp., 2-3	23999 Ventura Blvd, Calabasas	Cal
Ray-O-Vac Co. Div Elec Storage Battery Co., 1	212 E. Washington Ave, Madison	Wisc
RIXON ELECTRONICS, INC., 1, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Rohde & Schwarz, USA, Inc., 3-4	P.O. Box 275, Passaic	NJ
Sage Laboratories, Inc., 2-3	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., 3, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Specialty Electronics Development Corp., 1-2-3-4	Eileen Way, Syosset	NY
SPENCER-KENNEDY LABS., INC., 4, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
SPERRY MICROWAVE ELECTRONICS CO., 2-3, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd., 1-2-3-4	63 Aldwych, London W. C. 2	England
Stoddart Aircraft Radio Co., Inc., 2-4	6644 Santa Monica Blvd, Hollywood 38	Cal
Tech Laboratories, Inc., 1-2-3-4	Bergen & Edsall Blvds, Palisades Park	NJ
TELERAD MFG. CORP., 2-3, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Telonic Engineering Corp., 4	733 Broadway, Laguna Beach	Cal
TELONIC INDUSTRIES, INC., 4, Adv. Pgs. 190, 191	**60 N. 1st Ave, Beech Grove**	**Ind**
Trad Electronics Corp., 4	1001 First Ave, Asbury Park	NJ
Transco Products Inc., 2-3	12210 Nebraska Ave, L A 25	Cal
TURBO MACHINE CO., 2-3, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec., 2-3	Balch St, Beverly	Mass
Van Norman Industries, Elect Div., 2-3	186 Granite St, Manchester	NH
Victor R.F. & Microwave Co., 2-3	36 W. Water St, Wakefield	Mass
Vidaire Electronics Mfg. Corp., 4	44 Church St, Baldwin	NY
Waltham Electronics Corp., 4	751 Main St, Waltham 54	Mass
WATERMAN PRODUCTS CO., INC., 4, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
Waveguide, Inc., 2-3	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc., 2-3	P.O. Box 718, Caldwell	NJ
Wayne Kerr Corp., 1-3-4	1633 Race St, Philadelphia 3	Pa
WEINSCHEL ENGINEERING CO., Inc., 2-3-4, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

AUDIO See A-F LISTINGS

AUDIOMETERS

Allison Laboratories, Inc	11301 E. Ocean Ave, La Habra	Cal
Amplivox Ltd	Beresford Ave, Wembley, Middlesex, England	
Audivox, Inc	123 Worcester St, Boston	Mass
Aurex Corp	315 W. Adams St, Chicago 6	Ill
Beltone Hearing Aid Co	2900 W. 36th St, Chicago 32	Ill
Doty Acoustical Electronic Labs	Tobyhanna	Pa
Grason-Stadler Corp	Electronics Park, West Concord	Mass
Maico Electronics, Inc	21 N. 3rd St, Minneapolis 1	Minn
Nichols & Clark, Inc	321 Newburyport Trnpk, Danvers	Mass
Otarion Listener Corp	Scarborough Park, Ossining	NY
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Telephonics Corp	Park Ave, Huntington	NY
U.S. Recording Co	1345 Capitol St, Washington	DC

AUTO ANTENNA MOUNTS See MOUNTS *—ANTENNA*
AUTOMATIC ALARM RECEIVERS See RECEIVERS *—RADIO*
AUTOMATIC ASSEMBLY See MACHINES
AUTOMATIC CIRCUIT-TESTING BRIDGES See COMPARATORS
AUTOMATIC FEED MACHINES See MACHINES *—AUTOMATIC FEED*
AUTOMATIC POSITIONING CONTROLS See CONTROLS *— POSITIONING*
AUTOMATIC RECORD CHANGERS See PHONOGRAPHS
AUTOMATIC RESISTANCE COMPARATORS See COMPARATORS
AUTOMATIC TUNING CONTROLS See CONTROLS *—AUTOMATIC TUNING*

AUTOPILOTS

Applied Electronics Co	213 E. Grand Ave, South San Francisco	Cal
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Collins Radio Co	855 35 St N.E., Cedar Rapids	Iowa
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
MAGNETIC AMPLIFIERS, INC., Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Redifon, Ltd	Broomhill Rd, Wandsworth, London SW 18	England
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sperry Piedmont Div., Sperry Rand Corp	Rt. 29, Charlottesville	Va
Summers Gyroscope Co	2500 Broadway, Santa Monica	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio
Temco Electronics Div., Temco Aircraft Corp	P.O. Box 6191, Dallas 22	Tex

AUTO RADIO ANTENNAS See ANTENNAS *—MOBILE:* ANTENNAS *— TELESCOPIC*
AUTO RADIO CABINETS See CABINETS *—METAL*
AUTO RADIOS See RECEIVERS *—RADIO ENTERTAINMENT*
AUTO TRANSFORMERS See POTENTIOMETERS *—PRECISION*
BACKGROUND MUSIC SYSTEMS See MUSIC SYSTEMS
BACKWARD-WAVE OSCILLATORS See OSCILLATORS *—MICROWAVE*
BACKWARD-WAVE TUBES See TUBES *—MICROWAVE*

BAFFLES *—SPEAKER*

Antennavision, Inc	2949 W. Osborn Rd, Phoenix	Ariz
Argos Products Co., Inc	301 Main St, Genoa	Ill
Atlas Sound Corp	1443 39th St, Brooklyn 18	NY
Audax Co	38-19 108th St, Corona 68	NY
Audio Electronic Corp	1345 W. Fond Du Lac Ave, Milwaukee	Wisc
Audiotronics Corp	11057 Weddington St, N. Hollywood	Cal
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Bennett Laboratories, Inc	4224 Holden St, Emeryville 8	Cal
Bestcraft Products Co., Inc	626 Broadway, New York	NY
Bogen-Presto Div., Siegler Corp	P.O. Box 500, Paramus	NJ
Braun, Max	Ruesselsheimerstr 22, Frankfurt/M, Germany	
Bud Radio, Inc	2118 East 55th St, Cleveland 3	Ohio
Calbest Electronics Co	4801 Exposition Blvd, Los Angeles 16	Cal
California Chassis Co	5445 E. Century Blvd, Lynwood	Cal
Cambridge Pattern Works, Inc	55 First St, Cambridge 41	Mass
Chisholm Industries, Ltd	Electronic St, Port Moody, B.C. Canada	
Cortland Industries, Inc	4545 Cortland St, Chicago 39	Ill
Davis & Co., J W	9212 Denton Dr, Dallas 35	Tex
Dukane Corp	St. Charles	Ill
Electro-Products, Inc	15050 Schaefer Hwy, Detroit 27	Mich
Electro Voice, Inc	Buchanan	Mich
Electronic Research & Dev.Co., Ltd	210 9th Ave, S.E., Calgary, Alberta, Canada	
Fanon Electronic Industries, Inc	439 Frelingheysen Ave, Newark	NJ
Fourjay Industries	2360 W. Dorothy Ln, Dayton 39	Ohio
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Goodmans Industries Ltd., Axiom Works	Wembley, Middlesex, England	
Hartley Products Co	521 E. 162 St, New York 51	NY
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
Jayell Mfg. Co	1360 Garrison Ave, New York 59	NY
Jensen Mfg. Co., Div of The Muter Co	6601 S. Laramie Ave, Chicago 38	Ill
Karlson Associates, Inc	433 Hempstead Ave, W. Hempstead	NY
Lansing Sound, Inc., James B.	3249 Casitas Ave, Los Angeles 39	Cal
Lansky Die Cutting Corp	473 President St, Brooklyn 15	NY
Lesa Construzioni Elettromeccaniche Spa	Via Bergamo 21, Milan, Italy	
Lowell Mfg. Co	3030 Laclede Station Rd, St. Louis 17	Mo
Midwest Audio Corp	3800 W. North Ave, Chicago 47	Ill
OXFORD ELECTRIC CORP., Adv Pg 556	**3911 S. Michigan Ave, Chicago 53**	**Ill**
Parkway Specialties Co	22519 Plymouth Rd, Detroit 39	Mich
Permoflux Products Co	4101 San Fernando Rd, Glendale	Cal
Powers Co., J.J.	818 N. 22nd Ave, Melrose Park	Ill
Precision Electronics, Inc	9101 King St, Franklin Park	Ill
PREMIER METAL PRODUCTS CO., Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
R-J Audio Products	80 Shore Rd, Port Washington	NY
Racon Electric Co	1261 Broadway, New York 1	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Radio Mfg. Engineers, Div., Electro Voice, Inc	Buchanan	Mich
Rauland-Borg Corp	3535 W. Addison St, Chicago 18	Ill
Russell Gasket Co	7424 Bessemer Ave, Cleveland 27	Ohio
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Scientific Wood Cabinet Co	88 Holmes St, Belleville	NJ
Soundolier, Inc	9380 Watson Industrial Pk, St. Louis 26	Mo
Sparton Corp	2400 E. Ganson St, Jackson	Mich
Steger Furniture Mfg. Co	3337 Chicago Rd, Steger	Ill
Stephens Tru-Sonic, Inc	8538 Warner Dr, Culver City	Cal
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Tannoy (America) Ltd	P.O. Box 177, East Norwich	NY
University Loudspeakers, Inc	80 S. Kenisco Ave, White Plains	NY
Utah Radio & Electronic Corp	1124 E. Franklin St, Huntington	Ind
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa
Webster Electric Co	1900 Clark St, Racine	Wisc
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY
Wharfdale Div., British Industries Corp	80 Shore Rd, Port Washington	NY

BALANCING MACHINES See MACHINES *—BALANCING*
BALLAST TUBES See TUBES *—BALLAST*
BALL BEARINGS See BEARINGS
BALLISTIC VOLTMETERS See VOLTMETERS

BALUNS

American Electronics Co	178 Herricks Rd, Mineola	NY
Antennavision, Inc	2949 W. Osborn Rd, Phoenix	Ariz
Apparatus Development Co., Inc	Drawer 153, Wethersfield 9	Conn
Applied Technology, Inc	930 Industrial Ave, Palo Alto	Cal
Barker & Williamson	Canal & Beaver Sts, Bristol	Pa
Benco Television Associates, Ltd	27 Taber Rd, Rexdale, Ontario, Canada	
C.G.S. Labs., Inc	Rt 7, Wilton	Conn
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
Coilcraft, Inc	Cary	Ill
Colman Electronic Products, Inc	P.O. Box 2965, Amarillo	Tex
CUSTOM COMPONENTS, INC., Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Entron, Inc	4902 Lawrence St, Bladensburg	Md
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Granger Associates	974 Commercial St, Palo Alto	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Illumitronic Engineering	680 E. Taylor, Sunnyvale	Cal
Jampro Antenna Co	7500 14th Ave, Sacramento	Cal
MEASUREMENTS DIV., McGRAW-EDISON CO., Adv Pg 546	**Boonton**	**NJ**
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Miller Co., J.W	5915 S. Main St, Los Angeles	Cal
Mosley Electronics, Inc	4610 N. Lindbergh, Bridgeton	Mo
RIXON ELECTRONICS, INC., Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Scala Radio Co	2814 19th St, San Francisco 10	Cal
Transco Products Inc	12210 Nebraska Ave, L A 25	Cal
Vector Associates, Inc	139-30 34th Rd, Flushing 54	NY
Vidaire Electronics Mfg. Corp	44 Church St, Baldwin	NY

BAND-ELIMINATION FILTERS See FILTERS
BANDPASS FILTERS See FILTERS
BARE WIRE See WIRE *—BARE*

BARIUM COMPOUNDS

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Barium & Chemicals, Inc	Willoughby	Ohio
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

BARIUM TITANATE CRYSTALS See CRYSTAL BLANKS: CRYSTALS *—PIEZOELECTRIC*
BARIUM TITANATES *—See* TITANATES
BARREL-PLATING SERVICES See PLATING SERVICES
BARRETTERS See BOLOMETERS *—MICROWAVE*
BARS *—BUS* See BUS BAR SYSTEMS
BARS *—METAL* See METAL *DESIRED*

BASES —*DIODE & TRANSISTOR*

Alpha Metals, Inc	60D Water St, Jersey City	NJ
Carr Fastener Co., Div., United-Carr	31 Ames St, Cambridge 42	Mass
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Greenfield Components Corp	184 Shelburne St, Greenfield 16	Mass
Hermetite Corp	702 Beacon St, Boston 15	Mass
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Quality Hermetics, Ltd	45 Hollinger Rd, E. York, Toronto, Ontario	
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sinclair Mfg. Co	Chartley	Mass
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
Technic Inc	P.O. Box 965, Providence 1	RI
Townsend Co	P.O. Box 71, Eliwood City	Pa
United Fabricators Electronics, Inc	Stillwater	Minn
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa

BASES —*TUBE* See **TUBE PARTS**
BATCHING CONTROLS See **CONTROLS** —*COUNTING:* **CONTROLS** —*FLUID-FLOW:* **CONTROLS** —*LEVEL:* **CONTROLS** —*PHOTOELECTRIC:* **CONTROLS** —*WEIGHT*

BATTERIES
1. DRY 2. MERCURY 3. NICKEL-CADMIUM 4. NUCLEAR 5. RESERVE 6. SILVER-CADMIUM 7. SILVER-CELL, SILVER-ZINC 8. STANDARD CELL 9. STORAGE. 10. NON-SPILL

Acme Battery Corp., 1	200 Henry St, Stamford	Conn
American Smelting & Refining Co., 3-6	120 Broadway, New York 5	NY
Argonne Electronics Mfg. Corp., 1	165-11 South Rd, Jamaica 33	NY
Automotive Div., Electric Storage Battery Co., 1-2-3-7-9-10	P.O. Box 6266, Cleveland	Ohio
Aviation Electric, Ltd., 3	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bowers Battery & Spark Plug Co., 9-10	P.O. Box 1262, Reading	Pa
Bright Star Industries, 1	600 Getty Ave, Clifton	NJ
BURGESS BATTERY CO., DIV OF SERVEL, INC., 1-2-3-8, Adv Pg 501	**Freeport**	**Ill**
C&D Batteries Div., Electric Autolite Co., 1-5-8-9	Conshohocken	Pa
Catalyst Research Corp., 1-2-3-5-6-7-8-9	6101 Falls Rd, Baltimore 9	Md
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 9-10, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Cook Co., Frank R., 5-7-9-10	3850 Olive St, Denver 7	Colo
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 8, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Eagle-Picher Co., 3-5-6-7	American Bldg, Cincinnati 1	Ohio
The Electric Autolite Co., 9-10	Champlain St, Toledo 1	Ohio
Electronic Batteries, Inc., 10	28-34 35 St, Brooklyn 32	NY
Exide Ind'l. Div., Elec. Stor. Battery Co., 3-8-9-10	Rising Sun/Adams, Phila. 20	Pa
Fedtro, Inc., 1	Fed Electr Bldg, Rockville Centre	NY
Gordon Enterprises, 3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Gulton Industries, Inc., 3	212 Durham Ave, Metuchen	NJ
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 1-3, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
I. H. Manufacturing Co., 1	121 Greene St, New York 12	NY
INTERELECTRONICS CORP., 3-7-9-10, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Leclanche S.A., 1-3-5-8-9-10	Yverdon, Switzerland	
Lucas-Rotax, Ltd., 10	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Mallory & Co., Inc., P.R., 1-2-6-7	34 S. Gray St, Indianapolis 6	Ind
Marathon Battery Co., 1-5	P.O. Box 298, Wausau	Wisc
Muirhead & Co., Ltd., 8	Beckenham, Kent, England	
Nicad Div., Gould-National Batteries, Inc., 3-9-10	Easthampton	Mass
Radiation Research Corp., 4	1114 First Ave, New York 21	NY
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-2, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Ray-O-Vac Co., Div Elec Storage Battery Co. 1-2	212 E. Washington Ave, Madison	Wisc
Sonotone Corp., 3-9	P.O. Box 200, Elmsford	NY
Telecomputing Corp., 7	915 N. Citrus Ave, Hollywood	Cal
Tracerlab, Inc., 4	1601 Trapelo Rd, Waltham 54	Mass
Union Carbide Consumer Products Co., Div., UCC 1-2-3	270 Park Ave, New York 17	NY
U. S. Nuclear Corp., 4	801 N. Lake St, Burbank	Cal
U.S. Rubber Co., 1-9	1230 Ave of the Americas, New York 20	NY
Wurlitzer Co., 5	North Tonawanda	NY
YARDNEY ELECTRIC CORP., 5-6-7-9-10, Adv Pg 49	**40 Leonard St, New York**	**NY**

BATTERY ADAPTERS See **ADAPTERS**
BATTERY CHARGERS See **CHARGERS** —*BATTERY*
BATTERY-CHARGER TUBES See **TUBES** —*BATTERY-CHARGER*
BATTERY CLIPS See **CLIPS** —*TEST*
BATTERY ELIMINATORS See **POWER SUPPLIES** — *D-C OUTPUT*
BATTERY PLUGS See **PLUGS**
BATTERY TESTERS See **TESTERS** —*BATTERY*

BAYS —*PATCH, COMPUTER*

Applied Dynamics, Inc	P.O. Box 2068, Ann Arbor	Mich
Electronic Associates, Inc	Long Branch	NJ
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC

BEACON RECEIVERS See **RECEIVERS** —*RADIO NAVIGATION*
BEACONS —*AIRCRAFT DISTRESS* See **TRANSMITTERS** —*RADIO NAVIGATION*
BEACONS —*RADAR* See **RADAR**
BEACONS —*RADIO NAVIGATION* See **TRANSMITTERS** —*RADIO NAVIGATION, DIRECTION-FINDING*
BEAD CHAIN See **CHAINS**

BEADS —*INSULATING*
1. CERAMIC 2. PLASTIC

Alite Div., U.S. Stoneware Co., 1	P.O. Box 119, Orrville	Ohio
Amatom Electronic Hardware Co., Inc., 2	88 Drake Ave, New Rochelle	NY
AMERICAN LAVA CORP., 1, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Barwood Mfg. Co., Inc., L. J., 2	22 Williams St, Everett 49	Mass
Bonny Mfg. Corp., 2	146 Main St, Marynard	Mass
Borden Chemical Co., Div., Borden Co., 2	350 Madison Ave, New York 17	NY
CARBORUNDUM CO., LATROBE PLANT, 1, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Comco Plastics, Inc., 2	98-34 Jamaica Ave, Richmond Hill	NY
Consolidated Electrodynamics Corp., 1	360 N. Sierra Madre Villa, Pasadena	Cal
Darrill Products Corp., 2	107 Falmouth St, Attleboro	Mass
Diamonite Products Mfg. Co., 1	Shreve	Ohio
Du-Co Ceramics Co., 1	1050 Main St, Saxonburg	Pa
Duramic Products, Inc., 1	426 Commercial Ave, Palisades Park	NJ
Emerson Plastics Corp., 2	1383 Seabury Ave, Bronx 61	NY
Gladding, McBean & Co., 1	1551 S. Primrose St, Monrovia	Cal
Isolantite Mfg. Corp., 1	Stirling	NJ
Jodee Plastics, Inc., 2	36 Crescent St, Brooklyn 8	NY
Johns-Manville, 1-2	22 E. 40 St, New York 16	NY
Kirchberger & Co., Inc., M., 1	248 Humphrey St, Englewood	NJ
Louthan Plant Refrac., Div., Ferro Corp., 1	2000 Harvey Ave, East Liverpool	Ohio
Mansol Ceramics Co., 1-2	140 Little St, Belleville	NJ
Martindale Electric Co., 1	Edgewater Branch, Box 617, Cleveland 7	Ohio
Maryland Lava Co., 1-2	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 1	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 1	150 Exchange St, Malden	Mass
MYCALEX CORP. OF AMERICA, 1, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Beryllia Corp., 1	4501 Dell Ave, North Bergen	NJ
National Ceramic Co., 1	400 Southard St, Trenton 2	NJ
Nichols Products Co., 2	323 W. Main St, Moorestown	NJ
Pennsylvania Fluorocarbon Co., 2	1115 N. 38th St, Philadelphia 4	Pa
POLYMER CORP., 2, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Romar Plastics Inc., 2	1311 E. Main St, St. Charles	Ill
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal
Star Porcelain Co., 1	61 Muirhead Ave, Trenton 9	NJ
Steward Mfg. Co., D.M., 1	3600 Jerrome Ave, Chattanooga 1	Tenn
SUPERIOR STEATITE & CERAMIC CORP., 1, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Swenson Co., Inc., V.H., 2	552 Elm St, Kearny	NJ
Topper Mfg. Co., Inc., 1-2	84-56 Parsons Blvd, Jamaica 32	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 1	525 Harbor Blvd, Belmont	Cal
Winder Aircraft Corp., 2	Dunnellon Air Base, Dunnellon	Fla

BEAM ANTENNAS See **ANTENNAS** —*COMMUNICATION*

BEARINGS
1. GLASS 2. JEWEL, DIAMOND 3. JEWEL, SAPPHIRE 4. MINIATURE BALL 5. MINIATURE NEEDLE 6. PRECISION INSTRUMENT BALL 7. RADAR ANTENNA, BALL OR ROLLER

Atlas Precision Products Co., 4-6	3801 Castor Ave, Philadelphia 24	Pa
Avionics Ltd., 3	Box 200, Niagara-on-the-Lake, Ontario	
Barden Corp., The, 4-6	200 Park Avenue, Danbury	Conn
Bearing Inspection, Inc., 4-5-6-7	3311 E. Gage Ave, Huntington Park	Cal
BIRD CO., RICHARD H., 1-3, Adv Pg 240	**1 Spruce St, Waltham**	**Mass**
Clevite-Walco, 2-3-5	60 Franklin St, East Orange	NJ
Fafnir Bearing Co., The, 4-6-7	37 Booth St, New Britain	Conn
Fidelitone, Inc., 5	6415 Ravenswood, Chicago 26	Ill
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Plastics Corp., 1	P.O. Box 1689, Paterson	NJ
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Houston Fearless Corp., 1	11801 W. Olympic Blvd, Los Angeles 64	Cal
Industrial Tectonics, Inc., 3-6-7	18301 Santa Fe Ave, Compton	Cal
The Kaydon Engineering Corp., 5-6-7	Muskegon	Mich
KEARFOTT DIV., GEN PRECISION, INC., 6, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KELLER, JR., HUGO, JEWELS, 3, Adv Pg 486	**50 E. 42nd St, New York 17**	**NY**
Landis & Gyr, Inc., 4-6	45 W. 45 St, New York 36	NY
Marlin-Rockwell Corp., 4-6	402 Chandler St, Jamestown	NY
Miniature Precision Bearings, Inc., 4-6	Precision Park, Keene	NH
Moser Jewel Co., 1-2-3	Perth Amboy	NJ
National Beryllia Corp., 3	4501 Dell Ave, North Bergen	NJ
NEW DEPARTURE DIV., GENERAL MOTORS CORP., 4-6, Adv Pg 109	**269 N. Main St, Bristol**	**Conn**
New Hampshire Ball Bearings, Inc., 4-6	Rt. 202, Peterborough	NH
PIC Design Corp., Sub of Benrus Watch Co., Inc., 4-6	477 Atlantic Ave, East Rockaway	NY
Permo, Inc., 2-3	6415 Ravenswood, Chicago 26	Ill
Phoenix Precision Instrument Co., 1	3805 N. Fifth St, Philadelphia	Pa
Raway Bearing Co., Inc., 4-6	139-141 Chrystie St, New York 2	NY
Research Development Manufacture Inc., 6	429 E. Collom St, Philadelphia 44	Pa
Sterling Precision Corp., 6	5 Sintsink Dr E., Port Washington	NY
Swiss Jewel Co., 3	Lafayette Bldg, Philadelphia 6	Pa
Timken Roller Bearing Co., 7	Canton 6	Ohio
TORRINGTON CO., 5-7, Adv Pg 519	**59 Field St, Torrington**	**Conn**
Winder Aircraft Corp., 7	Dunnellon Air Base, Dunnellon	Fla

BELLOWS

Belfab Corp	9 Hobson Ave, Hamden	Conn
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
BURKE & JAMES, INC., Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Chemplast, Inc	3 Central Ave, East Newark	NJ
Cook Electric Co.	2700 Southport Ave, Chicago 14	Ill
Emerson Plastics Corp.	1383 Seabury Ave, Bronx 61	NY
Enflo Corp	Fellowship Rd, Rt. 73, Maple Shade	NJ
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Flexonics Corp	1417 S. 3rd Ave, Maywood	Ill
Fulton Sylphon Div., Robertshaw-Fulton	P.O. Box 400, Knoxville 1	Tenn
Goodrich Aviation Products, B.F., Div of B.F. Goodrich Co	Akron	Ohio
Kinemotive Corp	P.O. Box 386, Huntington Sta	NY
Trans-Sonics, Inc	Dept. 5, Burlington	Mass

BELTS —*DIAL DRIVE*

Parker Seal Co., Div of Parker-Hannifin Corp	10567 Jefferson Blvd, Culver City	Cal
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal

BENCHES & STOOLS —*WORK ASSEMBLY*

Aurora Equipment Co	Aurora	Ill
Cramer Posture Chair Co	1205 Charlotte St, Kansas City 6	Mo
FORMICA METAL PRODUCTS CO., Adv Pg 531	**Corporation Way, Medford**	**Mass**

BENCH TEST SET UPS

Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Aircraft Radio Corp	Boonton	NJ
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
FORMICA METAL PRODUCTS CO., Adv Pg 531	**Corporation Way, Medford**	**Mass**

Microwave Associates, Inc	Burlington	Mass
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
United Mfg. Co., Div., W.L. Maxson Corp	41 Haig St, Hamden 14	Conn

BENDING MACHINES See MACHINES —*BENDING*

BENDS —*WAVEGUIDE (Incl. ELBOWS & CORNERS)*

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Allied Record Mfg. Co	6916 Santa Monica Blvd, Hollywood	Cal
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microwave Associates, Inc	Burlington	Mass
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
SPECIALTY AUTOMATIC MACHINE CORP., Adv Pg 538	**80 Cambridge St, Burlington**	**Mass**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**

BERYLLIUM

Belock Instrument Corp	112-03 14 Ave, College Point	NY
Beryllium Corp	P.O. Box 1462, Reading	Pa
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Brush Beryllium Co	4301 Perkins Ave, Cleveland 3	Ohio
A.D. Mackay, Inc	198 Broadway, New York 38	NY
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY

BERYLLIUM COPPER
1. PUNCHED PARTS 2. SHEETS 3. STRIP —WIRE See WIRE —*BARE*

Accurate Specialties Co., Inc., 1	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1	21-03 43rd Ave, Long Island City 1	NY
Alpitec Inc., 1	49 Gleason Ave, Stamford	Conn
American Silver Co., Inc., 3	36-07 Prince St, Flushing 54	NY
ART WIRE & STAMPING CO., 1, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Associated Engineering & Mfg. Corp., 1	Glen Ridge	NJ
Atlee Components, Inc., 1	8220 Lankershim Blvd, N. Hollywood	Cal
ATLEE CORP., 1, Adv Pg 507	**47 Prospect St, Woburn**	**Mass**
Auburn Mfg. Co., The, 1	Pease Ave & Stack St, Middletown	Conn
AUGAT BROS., INC., 1, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Beryllium Corp., 2-3	P.O. Box 1462, Reading	Pa
BIRTCHER CORP., 1, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Braun Tool & Instrument Co., Inc., H, 1	140 Fifth Ave, Hawthorne	NJ
Bridgeport Brass Co., 2-3	30 Grand St, Bridgeport	Conn
Brush Beryllium Co., 2	4301 Perkins Ave, Cleveland 3	Ohio
Carr Fastener Co., Div., United-Carr, 1	31 Ames St, Cambridge 42	Mass
Carroll Pressed Metal, Inc., 1	133 Dewey St, Worcester	Mass
Cox Mfg. Co., 1	807 Fredericksburg Rd, San Antonio 1	Tex
Eby Co., Hugh H., 1	4701 Germantown Ave, Philadelphia 44	Pa
Fastex Div., Illinois Tool Works, 1	195 Algonquin Rd, Des Plaines	Ill
Forway Industries, Inc., 1	122 Green Ave, Woodbury	NJ
Gemex Corp., Industrial Div., 1	1200 Commerce Ave, Union	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 1, Adv Pg 530	**Attleboro**	**Mass**
GEORGE PRODUCTS, INC., 1, Adv Pg 492	**104 Dorse Ave, Livingston**	**NJ**
Hamilton Watch Co., Industrial Div., 3	Lancaster	Pa
Heller Roberts Mfg. Corp., 1	700 Jamaica Ave, Brooklyn 8	NY
HUDSON TOOL & DIE CO., INC., 1, Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
Instrument Specialties Co., Inc., 1	254 Bergen Blvd, Little Falls	NJ
Jandor, Inc., 1	428 Salem Ave, Dayton 6	Ohio
Jones & Roy Co., 1	620 Commercial Ave, Covina	Cal
Lee Spring Co., Div of Leetronics, Inc., 1	30 Main St, Brooklyn 1	NY
Leetronics, Inc., 1	30 Main St, Brooklyn	NY
A.D. Mackay, Inc., 2-3	198 Broadway, New York 38	NY
Malco Mfg. Co., 1	4023 W. Lake St, Chicago 24	Ill
Mallory & Co., Inc., P.R., 3	34 S. Gray St, Indianapolis 6	Ind
Monadnock Mills Div., United Carr, 1	1977 1st Ave, San Leandro	Cal
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PARAMOUNT PRODUCTS, CO., INC., 1, Adv Pg 478	**759 Ramsey Ave, Hillside 5**	**NJ**
Precision Stampings, Inc., 1	142 Fulton Ave, New Hyde Park	NY
Prestole Corp., The, 1	1345 Miami St, Toledo	Ohio
Semi-Alloys, Inc., 1-3	550 S. Fulton Ave, Mt. Vernon	NY
Sheffco Mfg. Corp., 1	323 Bergen Blvd, Fairview	NJ
Somers Brass Co., 3	94 Baldwin Ave, Waterbury	Conn
Staver Co., Inc., 1	41 N. Saxon Ave, Bay Shore	NY
Techniques, Inc., 1	40 Jay St, Englewood	NJ
Technology Instrument Corp of Ariz., 1	1050 E. Valencia Rd, Tucson 2	Ariz
Tricon Mfg. Co., 1	8012 S. Wallace St, Chicago 20	Ill
Uniform Tubes	Collegeville 2	Pa
Volkert Stampings, Inc., 1	222-34 96th Ave, Queens Village 29	NY
Wrought Washer Mfg. Co., 1	2264 S. Bay St, Milwaukee 7	Wisc
York Metal Products, Inc., 1	350 Greenwich St, New York 13	NY

BERYLLIUM OXIDE
1. MATERIAL 2. PARTS

Beryllium Corp., 1-2	P.O. Box 1462, Reading	Pa
City Chemical Corp., 1	132 W. 22nd St, New York 11	NY
Frenchtown Porcelain Co., 2	Frenchtown	NJ
Gladding, McBean & Co., 2	1551 S. Primrose St, Monrovia	Cal
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
National Beryllia Corp., 2	4501 Dell Ave, North Bergen	NJ
Oki & Willadsen, Ltd., 2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
SEMI-ELEMENTS, INC., 1, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1	116 Broad St, New York 4	NY
Zirconium Corp of America, 2	31501 Solon Rd, Solon 39	Ohio

BETA GAGES See GAGES —*BETA*; INDICATORS —*THICKNESS*

BEZELS

BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Carmac Aviation	8414 San Fernando Rd, Sun Valley	Cal
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Monroe Industries, Inc	932 36 St S.E., Grand Rapids 8	Mich
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY

BI-METALS —*THERMOSTATIC*

American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Catalyst Research Corp	6101 Falls Rd, Baltimore 9	Md
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

BINARY ENCODERS —See ENCODERS
BINARY SCALERS —See COUNTERS ELECTRONIC
BINARY-TO-DECIMAL DECODERS See DECODERS —*BINARY-TO-DECIMAL*
BINDING POSTS See POSTS —*BINDING*
BLACK BODY SOURCES See INFRARED DEVICES
BLANKS —*CRYSTAL* See CRYSTAL BLANKS
BLOCKS —*FUSE BLOCKS & HOLDERS* See HOLDERS
BLOOD-PRESSURE RECORDERS See RECORDERS —*BLOOD-PRESSURE*

BLOWERS & FANS —*SMALL*

Air Control Installations Ltd	Ruislip, Middx, England	
AIR-MARINE MOTORS, INC., Adv Pg 38	**369 Bayview Ave, Amityville**	**NY**
AMERICAN-STANDARD INDUSTRIAL DIV., Adv Pg 128	**Detroit 32**	**Mich**
Ashland Electric Products, Inc	32-02 Queens Blvd, Long Island City 1	NY
Barber Colman Co	1300 Rock St, Rockford	Ill
Boehm Co., R.A.	58 Brooklyn Ave, Merrick	NY
Bud Radio, Inc	2118 East 55th St, Cleveland 3	Ohio
Daystrom-Transicoil Corp	Worcester, Montgomery County	Pa
Dean & Benson Research Div of Benson Mfg. Co	Kansas City 1	Mo
Dynamic Air Engineering, Inc	7412 Maie Ave, Los Angeles 1	Cal
EASTERN AIR DEVICES, INC., Adv Pg 441	**385 Central Ave, Dover**	**NH**
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Heinz-Mueller Engineering Co., Inc	4725 Iowa St, Chicago 51	Ill
Heinze Electric Corp	685 Lawrence St, Lowell	Mass
IMC MAGNETICS CORP., Adv Pg 186	**570 Main St, Westbury**	**NY**
Ilg Electric Ventilating Co	2850 N. Pulaski Rd, Chicago 41	Ill
Industrial Plastics Fabricators, Inc	Endicott St, Norwood	Mass
Joy Mfg. Co	Dept 39, Oliver Bldg, Pittsburgh 22	Pa
KOOLTRONIC FAN CO., Adv Pg 528	**P.O. Box 504, Princeton**	**NJ**
Kroker Engineering & Development Co	9947 Franklin Ave, Franklin Park	Ill
McLEAN ENGINEERING LABORATORIES, Adv Pg 378	**P.O. Box 228, Princeton**	**NJ**
Master Appliance Mfg. Co	4th & Ontario Sts, Racine	Wisc
Peerless Electric Co., Blower Div	1401 W. Market St, Warren	Ohio
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Remsel Industries, Inc	580 E. 40th St, Chicago 15	Ill
RIPLEY CO., INC., Adv Pg 200	**1 Factory St, Middletown**	**Conn**
Roots-Connersville Blowers	900 W. Mount St, Connersville	Ind
Rotating Components, Inc	269 Green St, Brooklyn 22	NY
Rotron Mfg. Co., Inc	7-9 Schoonmaker Ln, Woodstock	NY
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Servo-Tek Products Co., Inc	1086 Goffle Rd, Hawthorne	NJ
Small Motors, Inc	2076 Elston Ave, Chicago 14	Ill
Standard Electrical Mfg. Co	Haddon Ave, West Berlin	NJ
Torrington Mfg. Co., Specialty Blower Div	100 Franklin Dr, Torrington	Conn
Trade-Wind Motorfans, Inc., Div., Robbins & Myers, Inc	7755 Paramount Pl, Pico Rivera	Cal
U.S. Hoffman Machinery Corp	103 4th Ave, New York 3	NY
WESTERN DEVICES, INC., Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
Western Gear Corp., Electro Prods. Div	132 W. Colorado, Pasadena 1	Cal

BLOWERS —*RADOME INFLATION*

AMERICAN-STANDARD INDUSTRIAL DIV., Adv Pg 128	**Detroit 32**	**Mich**
Dean & Benson Research Div of Benson Mfg. Co	Kansas City 1	Mo
Dynamic Air Engineering, Inc	7412 Maie Ave, Los Angeles 1	Cal
Remsel Industries, Inc	580 E. 40th St, Chicago 15	Ill
Roots-Connersville Blowers	900 W. Mount St, Connersville	Ind
Rotron Mfg. Co., Inc	7-9 Schoonmaker Ln, Woodstock	NY
Torrington Mfg. Co., Specialty Blower Div	100 Franklin Dr, Torrington	Conn

BLUEPRINT MACHINES See MACHINES —*COPYING*

BOARDS —*CAPACITOR OR RESISTOR (NOT PRINTED WIRING)*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Cadre Industries Corp	P.O. Box 150, Endicott	NY
Coils-Electronics Co	2939-49 N. 2nd St, Philadelphia 33	Pa
Electronic Mechanics, Inc	101 Clifton Blvd, Clifton	NJ
Electronic Specialties Co	P.O. Box 1041, Wyandotte	Mich
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Johns-Manville	22 E. 40 St, New York 16	NY
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Techniques, Inc	40 Jay St, Englewood	NJ
Tri-Dex Co	P.O. Box 1207, Lindsay	Cal
United Fabricators Electronics, Inc	Stillwater	Minn
U.S. Engineering Co., Div., Litton Ind	13536 Saticoy, Van Nuys	Cal
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa
West Virginia Pulp & Paper Co	230 Park Ave, New York 17	NY

BOARDS —*COMPUTER*
1. PLOTTING 2. PLUG & PATCH 3. PROBLEM

AC Electronics, Inc., 1	11725 Mississippi Ave, Los Angeles 25	Cal
ACF Electronics Div., 2	Riverdale	Md
Accurate Electronics Corp., 1-2-3	Dept G, 169 Abbe Rd S., Elyria	Ohio
Aero Service Corp., 1	210 E. Courtland St, Philadelphia 20	Pa
Aerolite Electronics Corp., 2	2207 Summit Ave, Union City	NJ
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
Allied Engraving & Stamping Co., 1	701 Seneca St, Buffalo 10	NY
American Bosch Arma Corp., 1	320 Fulton Ave, Hempstead	NY

American Development Electronics Co., 2	212 Central Ave, Newark	NJ
AMP, INC., 2, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 2, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Applied Dynamics, Inc., 2-3	P.O. Box 2068, Ann Arbor	Mich
Bell & Gossett Co., 2	8202 N. Austin Ave, Morton Grove	Ill
Belock Instrument Corp., 1	112-03 14 Ave, College Point	NY
Benson-Lehner Corp., 1	1860 Franklin, Santa Monica	Cal
Brooks & Perkins, Inc., 1	1950 W. Fort St, Detroit 16	Mich
CAMBRIDGE THERMIONIC CORP., 2, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
COLE ELECTRIC CO., 2, Adv Pg 496	**8439 Steller Dr, Culver City**	**Cal**
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Dura Plastics of New York, Inc., 1	303 Fifth Ave, New York 16	NY
Duralith Corp., 2-3	1025 Race St, Phiadelphia 7	Pa
Electro Instruments, Inc., 1	3540 Aero Ct, San Diego	Cal
ELECTRO SEAL CORP., 2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Associates, Inc., 1-2-3	Long Branch	NJ
Emerson Plastics Corp., 1-2	1383 Seabury Ave, Bronx 61	NY
Fedrick Fenske & Miller, Inc., 1	12822 Panama St, Los Angeles	Cal
Ford Instrument Co., Div., Sperry Rand Corp., 1	31-10 Thomson Ave, Long Island City 1	NY
GATES RADIO CO., 2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gordon Enterprises, 1	5362 N. Cahuenga Blvd, N. Hollywood	Cal
GRAPHIK-CIRCUITS DIV., CINCH, 2, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
Guardian Electric Mfg. Co., 2	1621 W. Walnut St, Chicago 12	Ill
Hagan Chemicals & Controls, Inc., 2	Hagan Center, Pittsburgh 30	Pa
HALLICRAFTERS CO., 1, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harvey-Wells Electronics, Inc., 1-2-3	North St, Southbridge	Mass
ITT Laboratories, 1-2-3	500 Washington Ave, Nutley 10	NJ
Link Div., Gen. Precision, Inc., 2	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Maryland Div., 1	4900 Calvert Rd, College Park	Md
Loral Electronics Corp., 1	825 Bronx River Ave, New York 72	NY
Marco Electronics, Inc., 3	21 N. 3rd St, Minneapolis 1	Minn
Melpar, Inc., 1	3000 Arlington Blvd, Falls Church	Va
Nelson Instrument Co., 2	607 Howard St, Evanston	Ill
Oki & Willadsen, Ltd., 1-2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Otis Elevator Co., 1	35 Ryerson St, Brooklyn 5	NY
Rimak, Inc., 1	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
Sealectro Corp., 2	139 Hoyt Ave, Mamaroneck	NY
Servo Consultants Ltd., 1	80 Shore Rd, Port Washington	NY
Solartron, Inc., 2-3	1742 S. Zeyn St, Anaheim	Cal
Sunshine Scientific Instrument, 1	1810 Grant Ave, Philadelphia 15	Pa
Transdyne Corp., 1	43 Albertson Ave, Albertson	NY
United Fabricators Electronics, Inc., 2	Stillwater	Minn
VECTOR ELECTRONIC CO., 2, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Virginia Electronics Co., Inc., 2	5209 River Rd, Washington 16	DC
Willson Camera Co., Inc., 1	1395 Lawrence Rd, Havertown	Pa

BOARDS *–PRINTED-CIRCUIT See* LAMINATES: CIRCUITS *–PRINTED WIRING*

BOARDS *–TERMINAL STRIPS See* TERMINAL STRIPS

BOATS & CRUCIBLES *–SEMICONDUCTOR*

Accurate Specialties Co., Inc.	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Electronic Mechanics, Inc	101 Clifton Blvd, Clifton	NJ
National Carbon Co., Div., UCC	270 Park Ave, New York 17	NY
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

BOBBINS *–COIL & TRANSFORMER*
1. CERAMIC 2. PAPER 3. PLASTIC See Also FORMS

AC Electronics, Inc., 3	11725 Mississippi Ave, Los Angeles 25	Cal
AMERICAN LAVA CORP., 1, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
American Molded Products Co., 3	2727 W. Chicago Ave, Chicago 22	Ill
Bonny Mfg. Corp., 3	146 Main St, Maynard	Mass
Booker & Walestad, Inc., 3	3336 Gorham Ave, Minneapolis 26	Minn
Boonton Molding Co., 3	Boonton	NJ
CG Electronics Corp., 1	15000 Central E., Albuquerque	NM
CAMBRIDGE THERMIONIC CORP., 1-2, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Coilcraft, Inc., 2-3	Cary	Ill
Comco Plastics, Inc., 3	98-34 Jamaica Ave, Richmond Hill	NY
Coors Porcelain Co., 1	600 Ninth St, Golden	Colo
Cosmo Plastics Co., 3	3239 W. 14 St, Cleveland	Ohio
Crown Tool, Inc., 2	Hwy 15, Wabash	Ind
Darrill Products Corp., 3	107 Falmouth St, Attleboro	Mass
Duramic Products, Inc., 1	426 Commercial Ave, Palisades Park	NJ
Emerson Plastics Corp., 2-3	1383 Seabury Ave, Bronx 61	NY
Form-It Products, Inc., 2-3	1619 W. Walnut St, Chicago 12	Ill
Franklin Fibre Lamitex Corp., 3	P.O. Box 1768, Wilmington	Del
G B COMPONENTS, INC., 3, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
General Components Co., 1-2-3	225-229 E. 144th, New York 51	NY
Gries Reproducer Corp., 3	151 Beechwood St, New Rochelle	NY
HYDRO MOLDING CO., INC., 3, Adv Pg 391	**Plattsburgh**	**NY**
Insulation Manufacturers Corp., 3	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg. Corp., 1	Stirling	NJ
Joclin Mfg. Co., 3	9 Lufbery Ave, Wallingford	Conn
Kirchberger & Co., inc., M., 1	248 Humphrey St, Englewood	NJ
Laminated Sheet Products Corp., 3	449 Neponset St, P.O. Box 390, Norwood	Mass
Lamtex Industries Inc., 3	Motor Ave, Farmingdale	NY
Maryland Lava Co., 1-3	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 1	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 1	150 Exchange St, Malden	Mass
Mitronics, Inc., 1	1290 Central Ave, Hillside	NJ
Molding Corp of America, 3	42 Church St, Pawtucket	RI
MYCALEX CORP. OF AMERICA, 1, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Beryllia Corp., 1	4501 Dell Ave, North Bergen	NJ
Oki & Willadsen, Ltd., 3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Orange Products, Inc	554 Mitchell St, Orange	NJ
Osborne Electric Co., Ltd., 2-3	95 Wesley St, Toronto 18, Ontario, Canada	
Peerless Products Industries, 3	812 N. Pulaski St, Chicago 51	Ill
Penn Fibre & Specialty Co., 2-3	2020 E. Westmoreland St, Philadelphia 34	Pa
Pennsylvania Fluorocarbon Co., 3	1115 N. 38th St, Philadelphia 4	Pa
Plastronic Engineering Co., 3	721 Boston Post Rd, Marlborough	Mass
POLYMER CORP., 3, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Porter Co., Wm., 3	1007 Sante Fe Ave, Los Angeles	Cal
PRECISION PAPER TUBE CO., 2-3, Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
RESDEL CORP., 3, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Romar Plastics Inc., 3	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 3	239 Jacksonville Rd, Hatboro	Pa
Sag Harbor Industries, Inc., 3	Bay Dr, Sag Harbor	NY
Sealelectric Switch & Relay Co., 2	6023 N. Keystone, Chicago	Ill
Servomechanisms, Inc., 1-3	12500 Aviation Blvd, Hawthorne	Cal
Sierra Electric Corp., 3	15100 S. Figueroa St, Gardena	Cal
Silicone Insulation, Inc., 2-3	1385 Seabury Ave, Bronx 61	NY
Steel Heddle Mfg. Co	2100 W. Allegheny Ave, Philadelphia 32	Pa
Stevens Products, Inc., 3	86-88 Main St, East Orange	NJ
Steward Mfg. Co., D.M., 1	3600 Jerrome Ave, Chattanooga 1	Tenn
Stone Paper Tube Co., Div., Stone Straw Corp., 2-3	900 Franklin St, N.E., Washington 17	DC
Stratocon Corp., 2-3	P.O. Box 10, Morristown	NJ
SUPERIOR STEATITE & CERAMIC CORP., 1, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Swenson Co., Inc., V.H., 3	552 Elm St, Kearny	NJ
SYNTHANE CORP., 3, Adv Pg 35	**Oaks**	**Pa**
Thor Ceramics, Inc., 1-3	225 Belleville Ave, Bloomfield	NJ
Thordarson-Meissner Mfg. Co., 1-2-3	7th & Belmont Ave, Mt. Carmel	Ill
Topper Mfg. Co., Inc., 1-2-3	84-56 Parsons Blvd, Jamaica 32	NY
Transformers, Inc., 1-2-3	200 Stage Rd, Vestal	NY
United Fabricators Electronics, Inc., 3	Stillwater	Minn
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY

BOLOMETER MOUNTS *See* MOUNTS *–BOLOMETER*

BOLOMETERS *–INFRARED See* INFRARED DEVICES

BOLOMETERS *–MICROWAVE*
1. BARRETTERS 2. THERMISTORS

Ardwin Microlab Inc., 1	21 Spencer St, Stoneham 80	Mass
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
ELECTRO IMPULSE LAB., INC., 2, Adv Pg 335	**208 River St, Red Bank**	**NJ**
FXR, INC., 2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fenwal, Inc., 2	Pleasant St, Ashland	Mass
Kahn & Co., Inc., 2	885 Wells Rd, Wethersfield	Conn
Microwave Associates, Inc., 1-2	Burlington	Mass
MICROWAVE COMPONENTS, INC., 2, Adv Pg 517	**Doylestown**	**Pa**
Narda Microwave Corp., 1-2	118-160 Herricks Rd, Mineola	NY
PRD ELECTRONICS, INC., 2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Radar Design Corp., 1	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp., 2	190 Duffy Ave, Hicksville	NY
Servo Corp of America, 2	111 New South Rd, Hicksville	NY
SPERRY MICROWAVE ELECTRONICS CO., 1-2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C. 2	England
Victor R.F. & Microwave Co., 1-2	36 W. Water St, Wakefield	Mass
Victory Engineering Corp., 2	101 Springfield Rd, Union	NJ

BOLOMETERS *–THERMAL*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
Microwave Associates, Inc	Burlington	Mass
PRD ELECTRONICS, INC., Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY

BOLTS
1. COMMON 2. EXPANSION 3. SPADE 4. TOGGLE

Ackerman-Johnson Co., 2-4	625 W. Jackson Blvd, Chicago 6	Ill
ALLMETAL SCREW PRODUCTS CO., INC., 1-3, Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Chain & Cable Co., Inc., 1	601 Stephenson Bldg, Detroit 2	Mich
American Screw Co., 1	Willimantic	Conn
Anti-Corrosive Metal Products, Co., Inc., 1	Castleton-on-Hudson	NY
Arro Expansion Bolt Co., 2-4	P.O. Box 388, Dept Q, Marion	Ohio
Atlas Screw & Specialty Co., Inc., 1-2-3-4	450 Broome St, New York 13	NY
Carmac Aviation, 1	8414 San Fernando Rd, Sun Valley	Cal
Carr Fastener Co., Div., United-Carr, 1	31 Ames St, Cambridge 42	Mass
Chase Brass & Copper Co., Inc., 1-2-4	236 Grand St, Waterbury 20	Conn
Chicago Expansion Bolt Co., 2-4	1338 W. Concord Pl, Chicago 22	Ill
Chicago Screw Co., 1	2703 Washington Blvd, Bellwood	Ill
Eaton Mfg. Co., Reliance Div., 1	25 Charles Ave S.E., Massillon	Ohio
Elco Tool & Screw Co., 1	1111 Samuelson Rd, Rockford	Ill
Everard Tap & Die Corp., 1	213 E. 144th St, New York 51	NY
FEDERAL SCREW PRODUCTS, INC., 3-4, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Holub Industries, Inc., 2-4	468 Elm St, Sycamore	Ill
Huck Mfg. Co	2480 Bellevue Ave, Detroit 7	Mich
I.E. Manufacturing, 3	325 N. Hoyne Ave, Chicago 12	Ill
Industrial Plastics Fabricators, Inc., 1	Endicott St, Norwood	Mass
Keystone Bolt & Nut Corp., 1-2-4	127 Church St, New York 7	NY
Lehigh Metal Products Co., 1-2-4	134 Alewife Brook Pkwy, Cambridge	Mass
McCormick Selph Associates	Hollister Airport, Hollister	Cal
Mercury Air Parts Co., 1	9310 W. Jefferson Blvd, P.O. Box 135, Culver City	Cal
National Lead Co., 2	111 Broadway, New York 6	NY
Nylok Corp., The, 1	611 Industrial Ave, Paramus	NJ
Pheoll Mfg. Co., Inc., 1	5700 Roosevelt Rd, Chicago 50	Ill
Republic Steel Corp., 1-2-4	Republic Bldg, Cleveland 1	Ohio
Russell, Burdsall & Ward Bolt & Nut Co., 1	Port Chester	NY
Smith, Inc., Herman H., 3	2326 Nostrand Ave, Brooklyn 10	NY
STANDARD PRESSED STEEL CO., 1, Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
Standard Screw Co., 1	2801 Washington Blvd, Bellwood	Ill
Sterling Bolt Co., 1-4	363-405 W. Erie St, Chicago 10	Ill
Townsend Co., 4	P.O. Box 71, Ellwood City	Pa
United Screw & Bolt Corp., 1-2-3-4	3590 W. 58 St, Cleveland 2	Ohio
Waldom Electronics, Inc., 1	4621 W. 53rd St, Chicago 32	Ill
WALSCO ELECTRONICS MFG. CO., 3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
WENCO MFG. CO., (SIMPLEX), 3, Adv Pg 560	**1133 W. Hubbard St, Chicago 22**	**Ill**

BONDING JUMPERS *See* JUMPERS

BOOKS *See* TECHNICAL BOOKS *–PUBLISHERS*

BOOMS *–MICROPHONE*

Amplivox Ltd	Beresford Ave, Wembley, Middlesex, England	
Bill Jack Scientific Instrument Co	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
Flexo International Corp	3720 N. Milwaukee Ave, Chicago 41	Ill
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Mole-Richardson Co	937 N. Sycamore Ave, Hollywood 38	Cal
National Cine Equipment, Inc	209 W. 48 St, New York	NY

BOOSTERS See **AMPLIFIERS** *–R-F: AMPLIFIERS –TV*

BORON

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Shieldalloy Corp	Newfield	NJ
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	England
U.S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

BORON CARBIDE

Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Shieldalloy Corp	Newfield	NJ
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	England
Union Carbide Metals Co., Div., UCC	270 Park Ave, New York 17	NY
U.S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

BOXES *–DECADE & EIA VALUES*
1. CAPACITOR. DECADE 2. CAPACITOR. EIA VALUES 3. COIL 4. RESISTOR. DECADE 5. RESISTOR. EIA VALUES

Aerovox Corp., 1-3-4	740 Belleville Ave, New Bedford	Mass
American Development Electronics Co., 1-4	212 Central Ave, Newark	NJ
Barnes Development Co., 4	213 W. Baltimore Pike, Lansdowne	Pa
Blackburn Electronic Corp., 3-4-5	55 W. 7th St, Wyoming	Pa
Canadian Research Institute, 1-4	46 St. George St, Toronto 5, Ontario, Candada	
Cinema Engineering Div., Aerovox Corp., 4-5	1100 Chestnut St, Burbank	Cal
CLAROSTAT MFG. CO., INC., 4-5, Adv Pg 129	**Dover**	**NH**
Coils-Electronics Co., 3	2939-49 N. 2nd St, Philadelphia 33	Pa
CONSOLIDATED RESISTANCE CO OF AMERICA INC., 4, Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
CONTROL ELECTRONICS CO., INC., 3, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 1-4, Adv Pg 321	**South Plainfield**	**NJ**
DAVEN CO., 4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dawe Instruments Ltd., 1	99 Uxbridge Rd, London W5, England	
Dmeter Mfg. Co., Inc., 4	68 N. Broadway, Yonkers	NY
EIR Corp., 4-5	5177 Overland Ave, Culver City	Cal
EPR Special Products Corp., 4	675 Barbey St, Brooklyn	NY
ELECTRO SCIENTIFIC INDUSTRIES INC., 1-4, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Applications, Inc., 1	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 1-4, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 2-5	625 Broadway, New York 12	NY
Emerson Plastics Corp., 3	1383 Seabury Ave, Bronx 61	NY
Fidelity Amplifier Co., 4	1633 N. Halsted St, Chicago 14	Ill
FILM CAPACITORS, INC., 1, Adv Pg 472	**3400 Park Ave, New York 56**	**NY**
FREED TRANSFORMER CO., INC., 1, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
G B COMPONENTS, INC., 4, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
General Products Corp., 2	107 Salem St, Union Springs	NY
GENERAL RADIO CO., 1-4, Adv Pg 285	**West Concord**	**Mass**
Good-All Electric Mfg. Co., 2	112 W. First St, Ogallala	Neb
GRAY INSTRUMENT CO., 4, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Heath Co., A Sub of Daystrom, Inc., 1-4-5	Benton Harbor	Mich
High Fidelity Products, 1	P.O. Box 131, Owensboro	Ky
Industrial Instruments, Inc., 1-4	89 Commerce Rd, Cedar Grove	NJ
JULIE RESEARCH LABS., 4, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Leclanche S.A., 1-2	Yverdon, Switzerland	
Leeds & Northrup Co., 1-4-5	4970 Stenton Ave, Philadelphia 44	Pa
Marma Electronic Co., 4	1633 N. Halsted St, Chicago 14	Ill
Marstan Electronics Corp., 4	204 Babylon Trnpk, Roosevelt	NY
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
Minn-Honeywell, Rubicon Instruments, 4	Ridge at 35 St, Philadelphia 32	Pa
Muirhead & Co., Ltd., 1-3-4	Beckenham, Kent, England	
New England Scientific Instruments Co., 1-4	238 Main St, Cambridge 42	Mass
Ohmite Mfg. Co., 4	3601 Howard St, Skokie	Ill
PHYSICS RESEARCH LABS., INC., 4, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
Porter Co., Wm., 3-4	1007 Sante Fe Ave, Los Angeles	Cal
PRECISION APPARATUS CO., INC., 1-2-4-5, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Rohde & Schwarz, USA, Inc., 1-4	P.O. Box 275, Passaic	NJ
Servomex Controls Ltd., 1	Crowborough, Sussex, England	
SHALLCROSS MFG. CO., 4, Adv Pg 148	**Selma**	**NC**
Sprague Electric Co., 1-4	125 Marshall St, North Adams	Mass
Sullivan Ltd., H.W., 1-4	80 Shore Rd, Port Washington	NY
Thermovolt Instruments, Ltd., 4	70 Advance Rd, Toronto 18, Ontario, Canada	
Tinsley Instruments (Canada), Ltd., 1-4	P.O. Box 99, Smiths Falls, Ontario, Canada	
TOROTEL, INC., 3, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
Ultronix, Inc., 4-5	111 E. 20th Ave, San Mateo	Cal
Universal Mfg. Co., Inc., 3	1168EB Grove St, Irvington 11	NJ
Welch Scientific Co., W.M., 1-4	1515 Sedgwick St, Chicago 10	Ill

BOXES *–SHIPPING & STORAGE*
1. HERMETICALLY SEALED 2. METAL 3. PAPER & FIBREBOARD 4. PLASTIC 5. SHIELDED 6. WATERPROOF 7. WOOD

ABALON PRECISION MFG. CORP., 2, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Ace Engineering & Machine Co., Inc., 5	Tomlinson Rd, Huntingdon Valley	Pa
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Alpitec Inc., 2	49 Gleason Ave, Stamford	Conn
Althor Products, 4	**2301 Benson Ave, Brooklyn 14**	**NY**
Antennavision, Inc., 2	2949 W. Osborn Rd, Phoenix	Ariz
Artisan Metal Works Co., 2	11410 Madison Ave, Cleveland 2	Ohio
Atkins & Merrill, Inc., 4	49 Post Rd, South Sudbury	Mass
Aurora Equipment Co., 2	Aurora	Ill
Avco Corp., Crosley Div., 2	1329 Arlington St, Cincinnati 25	Ohio
Avco Corp., Nashville Div., 1-2	**Nashville**	**Tenn**
Baltic Metal Products Co., 2	126 Sutton St, Brooklyn 22	NY
Bearing Inspection, Inc., 2-4	3311 E. Gage Ave, Huntington Park	Cal
Belmar Wheel & Machine Co., 2-6	1707 F St, Belmar	NJ
Bestcraft Products Co., Inc., 3	626 Broadway, New York	NY
BRADLEY INDUSTRIES, 4, Adv Pg 550	**1650-58 North Damen Ave, Chicago 47**	**Ill**
Brooks & Perkins, Inc., 2	1950 W. Fort St, Detroit 16	Mich
California Chassis Co., 2	5445 E. Century Blvd, Lynwood	Cal
Cambridge Pattern Works, Inc., 7	55 First St, Cambridge 41	Mass
Campro Products, Inc., 2-4	3133 Alliance Rd N.E., Canton 1	Ohio
Churchill Lighting Corp., 2	344 Franklin St, Melrose 76	Mass
Clover Industries, Inc., 4	584 Young St, Tonawanda	NY
CONTINENTAL-DIAMOND FIBRE CORP., 4, Adv. Pgs. 205-208	**Newark 100**	**Del**
Corrugated Paper Products, Inc., 3	2233 Utica Ave, Brooklyn 34	NY
Craig Systems, Inc., 2-6	360 Merrimack, Lawrence	Mass
Cutler Metal Products Co., 2-6	1025 Line St, Camden	NJ
Darrill Products Corp., 4	107 Falmouth St, Attleboro	Mass
Dolin Metal Products, Inc., 2	315 Lexington Ave, Brooklyn	NY
Donnelly Mfg. Co., 2	580 Winter St, Waltham 54	Mass
Dura Plastics of New York, Inc., 4	303 Fifth Ave, New York 16	NY
ELECTRO SEAL CORP., 1, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Service Corp., 1-4	2906 Birch St, Franklin Park	Ill
Electronic Transformer Co., 1-2	70 Washington St, Brooklyn 1	NY
Ellis & Sons, Inc., George D., 2	4002 N. American St, Philadelphia 40	Pa
Elzee Metal Products Co., Inc., 2	779 39th St, Brooklyn 32	NY
Emeloid Co., Inc., 4	1239 Central Ave, Hillside 5	NJ
Eugene Engineering Co., Inc., 2-4-6	1217 Hyde Park Ave, Hyde Park 36	Mass
Export Corp., 3-4-6-7	13310 Foley, Detroit 27	Mich
Falstrom Co., 2	44 Falstrom Ct, Passaic	NJ
Farwell Metal Fabricating, 2-6	87 W. Fairfield Ave, St. Paul 7	Minn
Ferrodynamics Corp., 4	Gregg & Rt. 17, Lodi	NJ
FORMICA METAL PRODUCTS CO., 2, Adv Pg 531	**Corporation Way, Medford**	**Mass**
Fox Co., C.J. The, 3	236 Aborn St, Providence 1	RI
GENERAL HERMETIC SEALING CORP., 1, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Gilbert Plastics, Inc., 4	4 Boright Ave, Kenilworth	NJ
Goldsman Co., 2-5-6-7	1328-34 N. 4th St, Philadelphia 22	Pa
Greenfield Components Corp., 1	184 Shelburne St, Greenfield 16	Mass
Halliburton, Inc., Mfg. Div., 2-6	4724 S. Boyle Ave, Los Angeles 58	Cal
Heldor Mfg. Corp., 1-2-5	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc., 2-5	675 Garfield Ave, Jersey City 5	NJ
Hinde & Dauch Div W.Va. Pulp & Paper Co., 3-6	407 Decatur St, Sandusky	Ohio
Jandor, Inc., 2	428 Salem Ave, Dayton 6	Ohio
Jodee Plastics, Inc., 4	36 Crescent St, Brooklyn 8	NY
Johnson & Bassett, Inc., 7	114 Foster St, Worcester	Mass
Koch & Sons, Inc., H., 1-4-6	Corte Madera	Cal
Kollman Case Corp	P.O. Box 180, Ft. Wayne 1	Ind
Kuss Industries, Inc., 2	Tacony & Lewis Sts, Philadelphia 24	Pa
LMB, 2	2528 W. 9th St, Los Angeles 6	Cal
Leclanche S.A., 1	Yverdon, Switzerland	
LERMER PLASTICS INC., 4, Adv Pg 524	**522 S. St, Garwood**	**NJ**
Lorentzen, Inc., Levolor, 1-2-5	391 W. Broadway, New York 12	NY
Mastra Co., 7	2104 Superior Ave, Cleveland	Ohio
Middlesex Paper Tube Co., Inc., 3	345 Chelmsford St, Lowell	Mass
Midwest Metal Products Inc., 2	450 E. Donovan Rd, Kansas City 15	Kan
Minnesota Mining & Mfg. Co., Magnetic Prods. Div., 4	900 Bush Ave, St. Paul 6	Minn
Muckle Mfg. Co., 2	Prinzing Rd, Owatonna	Minn
Navan Products, Inc., Sub., North American Aviation, Inc	900 N. Sepulveda, El Segundo	Cal
Nostrand Metal Fabricators, 2	323 Lexington Ave, Brooklyn	NY
Olympic Products Co., Inc., 1-2-5	Third Ave, Alpha	NJ
Owens-Illinois Glass Co., 3	P.O. Box 1035, Toledo 1	Ohio
P.B.R. MFG. CO., 2, Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
PIC Design Corp., Sub of Benrus Watch Co., Inc., 7	477 Atlantic Ave, East Rockaway	NY
Pearce Simpson, Inc., 2-4-6	2295 N.W. 14th St, Miami 35	Fla
Penco Div., Alan Wood Steel Co., 2	Oaks	Pa
Porter Co., Wm., 4	1007 Sante Fe Ave, Los Angeles	Cal
REF Mfg. Co., 2-4-6	Jericho Trnpk, Mineola	NY
Ray Proof Corp., 5	843 Canal St, Stamford	Conn
Republic Steel Corp., 2	Republic Bldg, Cleveland 1	Ohio
Riester & Thesmacher Co., 2	1510 W. 25th St, Cleveland 13	Ohio
Scientific Wood Cabinet Co., 4-7	88 Holmes St, Belleville	NJ
SEXTON CAN CO., INC., 1-2, Adv Pg 498	**31 Cross St, Everett 49**	**Mass**
Skydyne, Inc., 2-4-6	River Rd, Port Jervis	NY
Spaulding Fibre Co., Inc., 3-4	310 Wheeler St, Tonawanda	NY
Stackbin Corp	1257 Main St, Pawtucket	RI
Summit Industries, Inc., 4	2114 W. Rosecrans Ave, Gardena	Cal
Swenson Co., Inc., V.H., 4	552 Elm St, Kearny	NJ
TA Mfg. Corp., 1-2-6	4613 Alger St, Los Angeles 39	Cal
Topper Mfg. Co., Inc., 4-6	84-56 Parsons Blvd, Jamaica 32	NY
U.S. Rubber Co., 4-6	1230 Ave of the Americas, New York 20	NY
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
Vichek Tool Co., 4	3001 E. 87 St, Cleveland 4	Ohio
Winder Aircraft Corp., 2-4	Dunnellon Air Base, Dunnellon	Fla
York-Hoover Corp., 2-6	York	Pa
York Metal Products, Inc., 2	350 Greenwich St, New York 13	NY
Zero Mfg. Co., 1-2-6	1121 Chestnut St, Burbank 71	Cal

BRACKETS-TV & F-M *RECEIVING ANTENNA*

ROHN MFG. CO., Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Channel Master Co	Ellenville	NY
Cutler Metal Products Co	1025 Line St, Camden	NJ
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
J.F.D. ELECTRONICS CORP., Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Kenwood Engineering Co., Inc	265 Colfax Ave, Kenilworth	NJ
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Lindsay Antenna & Specialty Prods., Ltd	50 Mary St, Lindsay, Ontario, Canada	
Parker Metal Goods Co	85 Prescott St, Worcester	Mass
Rada Products Co	2911 W. Carroll Ave, Chicago 12	Ill

South River Metal Products Co., Inc	377 Turnpike, South River	NJ
Vicon Corp., Div., Insul-8-Corp	1369 Industrial Rd, San Carlos	Cal
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

BRAKES —*MAGNETIC*

AUTOTRONICS, INC., Adv Pg 439	**P.O. Box 208, Florissant**	**Mo**
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
Dial Products Co	19 Cottage St, Bayonne	NJ
DYNAMIC INSTRUMENT CORP., Adv Pg 514	**59 New York Ave, Westbury**	**NY**
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Orbit Instrument Corp	131 Eileen Way, Syosset	NY
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Simplatrol Products Corp	24 Salisbury St, Worcester	Mass
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
Warner Electric Brake & Clutch Co	Beloit	Wisc

BRASS & BRONZE
1. BARS & RODS 2. SHEETS 3. STRIP-TUBING —See **TUBING — METALLIC**

American Silver Co., Inc., 3	36-07 Prince St, Flushing 54	NY
American Smelting & Refining Co., 1	120 Broadway, New York 5	NY
Anaconda American Brass Co., 1-2-3	414 Meadow St, Waterbury 20	Conn
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1-2-3	30 Grand St, Bridgeport	Conn
Bristol Brass Co., 1-2	580 Broad St, Bristol	Conn
Chase Brass & Copper Co., Inc., 1-2-3	236 Grand St, Waterbury 20	Conn
Eaton Mfg. Co., Reliance Div., 1	25 Charles Ave S.E., Massillon	Ohio
Horton-Angell Co., 1-2-3	27 Bicknell St, Attleboro	Mass
Laminated Shim Co., Inc., 2	4601 Union St, Glengrook	Conn
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Revere Copper & Brass, Inc., 1-2-3	230 Park Ave, New York 17	NY
Riverside-Alloy Metal Div., H.K. Porter., Inc., 1-2-3	1 Pavilion Ave, Riverside	NJ
Roebling's Sons, John A. Div. Colo Fuel & Iron Corp., 3	640 S. Broad St, Trenton 2	NJ
Semi-Alloys, Inc., 3	550 S. Fulton Ave, Mt. Vernon	NY
Seymour Mfg. Co., The, 1-3	15 Franklin St, Seymour	Conn
Somers Brass Co., 3	94 Baldwin Ave, Waterbury	Conn
Titan Metal Mfg. Co., 1	Bellefonte	Pa

BRAZING ALLOYS See **ALLOYS-BRAZING**
BRAZING FLUXES See **FLUXES**
BRAZING SERVICES

BREADBOARD KITS —*ELECTRONIC CIRCUITS*

American Research Lab	336 S. Main St, Fort Atkinson	Wisc
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Good Electronic Corp	P.O. Box 2406, W. Palm Beach	Fla
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Servo Corp of America	111 New South Rd, Hicksville	NY
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Transistor Electronics Corp	3357 Republic Ave, Minneapolis 26	Minn
VECTOR ELECTRONIC CO, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**

BREADBOARDS —*SERVOSYSTEM*

Belock Instrument Corp	112-03 14 Ave, College Point	NY
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Mechatrol Div., Servomechanisms, Inc	1200 Prospect Ave, Westbury	NY
Pomona Electronics Co., Inc	1126 W. Fifth Ave, Pomona	Cal
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Servo Corp of America	111 New South Rd, Hicksville	NY
Servo Development Corp	567 Main St, Westbury	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
VECTOR ELECTRONIC CO, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal

BREAKDOWN TESTERS See **TESTERS** —*INSULATION*

BREAKERS —*CIRCUIT*

AIRPAX ELECTRONICS INC., SEMINOLE DIV., Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
E-T-A Products Co of America	6284 N. Cicero Ave, Chicago 46	Ill
General Electric Co., Circuit Protective Devices Dept	41 Woodford Ave, Plainville	Conn
Heinemann Electric Co	150 Plum St, Trenton 2	NJ
I-T-E CIRCUIT BREAKER CO., Adv Pg 449	**601 E. Erie Ave, Philadelphia 34**	**Pa**
Murray Mfg. Corp	1250 Atlantic Ave, Brooklyn 16	NY
Sangamo Electric Co	1201 N. 11 St, Springfield	Ill
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Wadsworth Electric Mfg. Co., Inc	20 W. 11th St, Covington	Ky
Wood Electric Co	44 Broad St, Lynn	Mass

BRIDGES
1. ADMITTANCE 2. CAPACITANCE 3. DEVIATION 4. IMPEDANCE. A-F. R-F & VHF 5. IMPEDANCE, MICROWAVE. 6. INDUCTANCE 7. MUTUAL INDUCTANCE 8. POWER, MICROWAVE 9. POWER, R-F 10. RESISTANCE, VTVM 11. RESISTANCE, WHEATSTONE 12. SELF-BALANCING 13. THERMISTOR 14. VACUUM-TUBE & TRANSISTOR COEFFICIENT See Also **COMPARATORS: METERS: TESTERS**

AEG, 2-11	Hochhaus Sued, Frankfurt/Main, Germany	
ACTON LABS, INC., 4-10, Adv Pg 222	**533 Main St, Acton**	**Mass**
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 9, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 8-9	48 Cummington St, Boston	Mass
Airesearch Mfg. Co of Ariz., 13	402 S. 36 St, Phoenix	Ariz
Airtron, Div of Litton Industries, 8	200 E. Hanover Ave, Morris Plains	NJ
ALLEGANY INSTRUMENT CO., INC., 11, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Allied Radio Corp., 4	100 N. Western Ave, Chicago 80	Ill
Alpha Instrument Co., 2-4-6-11	43 Hempstead St, New London	Conn
American Mica Insulation Co., 14	235 Parker Ave, Manasquan	NJ
Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Applied Dynamics, Inc., 10	P.O. Box 2068, Ann Arbor	Mich
Arnoux Corp., 11-13	11924 W. Washington Blvd, L.A. 66	Cal
Asheville-Schoonmaker Mica Co., 14	**900 Jefferson Ave, Newport News**	**Va**
Astra Technical Instrument Corp., 11	3014 S. Halladay St, Santa Ana	Cal
Automation Industries, Inc., 4-5-6-7-8-10-11-12	3613 Aviation Blvd, Manhattan Beach	Cal
Aviation Electric, Ltd., 8-9	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
B & K Instruments, Inc., 3	3018 W. 106th St, Cleveland 11	Ohio
Baldwin-Lima Hamilton Corp., 11	42 Fourth Ave, Waltham 54	Mass
Barker & Williamson, 9	Canal & Beaver Sts, Bristol	Pa
Barnes Development Co., 2-3-11-12	213 W. Baltimore Pike, Lansdowne	Pa
Blackburn Electronic Corp., 11	55 W. 7th St, Wyoming	Pa
BOONTON ELECTRONIC CORP., 2-6, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
BOONTON RADIO CORP., 4, Adv Pg 108	**50 Intervale Rd, Boonton**	**NJ**
Bruel & Kjaer, 3	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 9-13	460 W. 34 St, New York 1	NY
Brunswick Instruments, 12	P.O. Box 813, New Brunswick	NJ
Budd Co., 11	2450 Hunting Park Ave, Philadelphia 22	Pa
Calibration Standards Corp., 11	1130 W. Fifth Ave, Pomona	Cal
Canadian Research Institute, 2-11	46 St. George St, Toronto 5, Ontario, Canada	
Cardinal Instrumentation Corp., 11	4201 Redwood Ave, Los Angeles 66	Cal
Century Electronics & Instruments, 11	1333 N. Utica, Tulsa 10	Okla
CLEGG LABS., DIV., CLEGG, INC., 5, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Clough Brengle Co., 2-6-10	6014 N. Broadway, Chicago	Ill
Coils-Electronics Co., 6	2939-49 N. 2nd St, Philadelphia 33	Pa
Consolidated Airborne Systems, 2-3-4-6-12-13	900 3rd Ave, New Hyde Park	NY
CONSOLIDATED RESISTANCE CO OF AMERICA INC., 11, Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
CONTROL ELECTRONICS CO., INC., 3-8-12, Adv Pg 336	**10 Stoper Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 2, Adv Pg 321	**South Plainfield**	**NJ**
CURTISS-WRIGHT CORP., PRINCETON DIV., 11, Adv Pg 75	**Princeton**	**NJ**
DAVEN CO., 10-11, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 8-12, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Decker Corp., 2	43 Monument Rd, Bala Cynwyd	Pa
Dytronics, 2-3-4-6	P.O. Box 3676, Columbus 14	Ohio
EIR Corp., 10-11	5177 Overland Ave, Culver City	Cal
ELECTRO IMPULSE LAB., INC., 8-9-13, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electro Instruments, Inc., 2-3-11-14	3540 Aero Ct, San Diego	Cal
ELECTRO SCIENTIFIC INDUSTRIES INC., 2-4-11, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Applications, Inc., 1-2-4-5-6-7-8-11	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 2, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 2	625 Broadway, New York 12	NY
Electronic Processes Corp of California, 11	436 Bryant St, San Francisco 7	Cal
Electrowest, Inc., 11-13	2351 Albatross Way, Sacramento 15	Cal
Epic, Inc., 2-6-11	150 Nassau St, New York 38	NY
Eppley Lab., Inc., 11	12 Sheffield Ave, Newport	RI
Erdco Engineering Corp., 2	Addison	Ill
Evershed & Vignoles Ltd., 11-12	Chiswick, London W. 4, England	
FXR, INC., 5-8-9-13, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Foxboro Co., The, 12	Foxboro	Mass
FREED TRANSFORMER CO., INC., 6, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
G B COMPONENTS, INC., 11, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL RADIO CO., 1-2-3-4-5-6-10-11-14, Adv Pg 285	**West Concord**	**Mass**
General Resistance, Inc., 10-11	430 Southern Blvd, New York 55	NY
Geotronic Labs., Inc., 6	1314 Cedar Hill Ave, Dallas 8	Tex
Gertsch Products, Inc., 4-12	3211 S. La Cienega, Los Angeles 16	Cal
Good Electronic Corp., 13	P.O. Box 2406, W. Palm Beach	Fla
GRAY INSTRUMENT CO., 11, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
Halex, Inc., 10-14	310 E. Imperial Hwy, El Segundo	Cal
Harris Transducer Corp., 1-4	Woodbury	Conn
Heath Co., A Sub of Daystrom, Inc., 2-4-11	Benton Harbor	Mich
HEWLETT-PACKARD CO., 4-8-9-10, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 2-6	10514 Dupont, Cleveland 8	Ohio
Industrial Control Co., 2-12	Central at Pinelawn, Farmingdale	NY
Industrial Development Labs., Inc., 2-11-13	982 River Rd, Edgewater	NJ
Industrial Instruments, Inc., 2-4-11	89 Commerce Rd, Cedar Grove	NJ
Industrial Transformer Corp., 6	Gouldsboro	Pa
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 8-9, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
JULIE RESEARCH LABS., 11, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Kahn & Co., Inc., 13	885 Wells Rd, Wethersfield	Conn
KEARFOTT DIV., GEN PRECISION, INC., 5-8-11-12, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keithley Instruments, Inc., 10	12415 Euclid Ave, Cleveland 6	Ohio
Knight Electronics, 2-10	210 S. Des Plaines St, Chicago 6	Ill
Kuss Industries, Inc., 1-2-3-4-5-6-7-8-9-10-11	Tacony & Lewis Sts, Philadelphia 24	Pa
Leeds & Northrup Co., 6-7-11-12	4970 Stenton Ave, Philadelphia 44	Pa
Liquidometer Corp., 2-12-13-14	41-03 36th St, Long Island City 1	NY
MacLeod & Hanopol, Inc., 2	10 Roland St, Charlestown 29	Mass
MAGNETIC CONTROLS CO., 11, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
MARCONI INSTRUMENTS, 1-2-4-6-7-9-11, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Microwave Corp. of America, 5-8-9	P.O. Box 278, Stamford	Conn
MID-EASTERN ELECTRONICS, INC., 11, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Millen Mfg. Co., James, 4	150 Exchange St, Malden	Mass
Millitest Co., 3-10-11	88 Madison Ave, Hempstead	NY
Millivac Instruments Div., Cohu Electronics Inc., 10-11	2315 Second Ave, Schenectady	NY
Minn-Honeywell, Rubicon Instruments, 11	Ridge at 35 St, Philadelphia 32	Pa
Moran Instrument Corp., 12	170 E. Orange Grove Ave, Pasadena 3	Cal
Muirhead & Co., Ltd., 2-4-6-10-11	Beckenham, Kent, England	
Nacimco Products, Inc., 11-13	1090 Morena Blvd, San Diego	Cal

Narda Microwave Corp., 5-8	118-160 Herricks Rd, Mineola	NY
New England Scientific Instruments Co., 2-11	238 Main St, Cambridge 42	Mass
NORTH ATLANTIC INDUSTRIES, INC., 12, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Optimized Devices, Inc., 2-12	864 Franklin Ave, Thornwood	NY
Otis Elevator Co., 1-2-3-4-5-6-7-8-9-10-11-12-13-14	35 Ryerson St, Brooklyn 5	NY
PRD ELECTRONICS, INC., 8, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Pennsylvania Testing Lab., Inc., 1-2-5-6	Doylestown	Pa
Performance Measurements Co., 10	15120 Third Ave, Detroit 3	Mich
Philips' Gloeilampenfabrieken, N.V., 7-11-12	Eindhoven, Netherlands	
PHYSICS RESEARCH LABS., INC., 11, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
Pimex, Inc., 11	18 E. 60th St, New York 22	NY
PORTCHESTER INSTRUMENT CORP., 5-8, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 5-8, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp., 8-13	190 Duffy Ave, Hicksville	NY
Radio City Products Co., Inc., 3	Centre & Glendale Sts, Easton	Pa
Radiometer, 2-3-4-10-14	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rank Cintel Ltd., 2-6-7-10	Worsley Bridge Rd, London S.E. 26, England	
Rinco, Inc., 2-4-6-11	7962 S.E. Powell Blvd, Portland 6	Ore
Rodale Electronics, 2-4-6-11	562 Grand Blvd, Westbury	NY
Rohde & Schwarz, USA, Inc., 1-2-4-6-8-9-11	P.O. Box 275, Passaic	NJ
Royco Instruments, Inc., 13	365 San Antonio Rd, Mountain View	Cal
Ruge Associates, Inc., Arthur C., 3-11	Hudson	NH
S-E Laboratories Ltd., 6	606 N. Felthan Trading Estate, Felthan, Middlesex, England	
Scopes Co., Inc., 2-14	P.O. Box 56, Monsey	NY
Servo Consultants Ltd., 4	80 Shore Rd, Port Washington	NY
SHALLCROSS MFG. CO., 7-11-12, Adv Pg 148	**Selma**	**NC**
SIERRA ELECTRONIC CORP., 8-9, Adv. Pgs. 318,319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Slaughter Co., 4	Piqua 9	Ohio
Southern Instruments, Ltd., 11	Frimley Rd, Camberley, Surrey, England	
Southwestern Ind. Electronics Co., 3	10201 Westheimer Rd, Houston 19	Tex
SPERRY MICROWAVE ELECTRONICS CO., 5-8-13, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Spivey Inc., James S., 2-6	4908 Hampden Ln, Washington 14	DC
Sprague Electric Co., 2	125 Marshall St, North Adams	Mass
Standard Telephones & Cables, Ltd., 1-2-4-6-7-8	63 Aldwych, London W. C. 2	England
STICHT CO., INC., HERMAN H., 11, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sullivan Ltd., H.W., 2-6-10-11	80 Shore Rd, Port Washington	NY
Summit Electronics, Inc., 13	7 Industrial Pl, Summit	NJ
TECHNOLOGY INSTRUMENT CORP., 1-2-4-6-10-11, Adv Pg 223	**533 Main St, Acton**	**Mass**
Tektron Instrument Co., 11	Box 4215, Sacramento 21	Cal
Thermovolt Instruments, Ltd., 10-11-12	70 Advance Rd, Toronto 18, Ontario, Canada	
Tinsley Instruments (Canada), Ltd., 2-6-7-11-13	P.O. Box 99, Smiths Falls, Ontario, Canada	
Transformers, Inc., 2-6	200 Stage Rd, Vestal	NY
Trans-Sonics, Inc., 11	Dept. 5, Burlington	Mass
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victory Engineering Corp., 13	101 Springfield Rd, Union	NJ
Virginia Electronics Co., Inc., 2-6	5209 River Rd, Washington 16	DC
WATERS MANUFACTURING, INC., 4-6, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**
Wayne Kerr Corp., 1-2-4-6-12	1633 Race St, Philadelphia 3	Pa
WEINSCHEL ENGINEERING CO., INC., 8-9-13, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Welch Scientific Co., W.M., 2-11	1515 Sedgwick St, Chicago 10	Ill
Winder Aircraft Corp., 1-2	Dunnellon Air Base, Dunnellon	Fla

BROADCAST INPUT CONTROL EQUIPMENT See AMPLIFIERS – A-F
BROADCAST RECEIVERS See RECEIVERS –*RADIO, ENTERTAINMENT*
BROADCAST TRANSMITTERS See TRANSMITTERS –*BROADCAST*
BRONZE See BRASS & BRONZE: PHOSPHOR BRONZE
BRUSHES
1. CARBON 2. GRAPHITE 3. METAL-GRAPHITE 4. METAL

Becker Brothers Carbon Co., 1-2-3-4	3450 S. Laramie Ave, Cicero 50	Ill
Blaco Manufacturing Co., 2	6541 Euclid Ave, Cleveland 3	Ohio
Eagle Electric Mfg. Co., Inc., 1	23-10 Bridge Plaza S., L.I. City	NY
Electro Development Co., 3-4	14701 Keswick St, Van Nuys	Cal
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 4, Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., 3-4, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
GRAPHITE METALLIZING CORP., 1-2-3, Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Heinz-Mueller Engineering Co., Inc., 1-2	4725 Iowa St, Chicago 51	Ill
Helwig Co., 1-2-3	2544 N. 30th St, Milwaukee 10	Wisc
KEYSTONE CARBON CO., RESISTOR DIV., 1-3-4, Adv Pg 107	**St. Marys**	**Pa**
Lucas-Rotax, Ltd., 1	Box 115, Sta. H, Toronto 13, Ontario, Canada	
National Carbon Co., Div., UCC, 1-2-3	270 Park Ave, New York 17	NY
Ohio Carbon Co., 1-2-3-4	12508 Berea Rd, Cleveland 11	Ohio
Poly Scientific Corp., 3-4	Rt 460 N., Blacksburg	Va
Pure Carbon Co., 1-2-3	Wellsville St, St. Marys	Pa
ROTARY DEVICES CORP., 2-3-4, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
St. Marys Carbon Co., 1-2-3-4	State Rd, St. Marys	Pa
Semi-Alloys, Inc., 4	550 S. Fulton Ave, Mt. Vernon	NY
Stackpole Carbon Co., 1-2-3	201 Stackpole St, St. Marys	Pa
Superior Carbon Products Co., 1-2-3-4	9115 George Ave, Cleveland 5	Ohio
Unison Products, Inc., 4	705 W. Savidge St, Spring Lake	Mich

BUILT-IN ANTENNAS See ANTENNAS –*RADIO RECEIVING:* ANTENNAS – *TV, BUILT-IN*
BULBS See LAMPS
BULBS –*TUBE* See TUBE PARTS
BULKHEAD FLANGES See FLANGES
BURGLAR ALARMS See DETECTORS –*INTRUSION*
BURIED METAL DETECTORS See DETECTORS –*METAL*

BURNERS –*GAS-FIRED*

KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Maryland Lava Co	Dept GB, Bel Air	Md

BUS BAR SYSTEMS

General Electric Co., Distribution Assemblies Dept	41 Woodford Ave, Plainville	Conn

BUSHINGS
1. HERMETICALLY SEALED 2. METAL 3. NONMETALLIC

A.P.M. CORP., 1, Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
ABALON PRECISION MFG. CORP., 2, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Ace Plastic Co., 3	91-54 Van Wyck Expwy, Jamaica 35	NY
Acme Industrial Co., 2	202 N. Laffin St, Chicago	Ill
Adalet Mfg. Co., 3	14300 Lorain Ave, Cleveland 11	Ohio
Advanced Vacuum Products, Inc., Sub Indiana General Corp., 1	430 Fairfield Ave, Stamford	Conn
Alite Div., U.S. Stoneware Co., 1	P.O. Box 119, Orrville	Ohio
Amatom Electronic Hardware Co., Inc., 2	88 Drake Ave, New Rochelle	NY
AMERICAN FELDMUEHLE CORP., 1, Adv Pg 438	**11 W. 42nd St, New York 36**	**NY**
AMERICAN LAVA CORP., 1-3, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Anti-Corrosive Metal Products Co., Inc., 3	Castleton-on-Hudson	NY
Appleton Electric Co	1701 W. Wellington, Chicago 13	Ill
Arnoux Corp., 1	11924 W. Washington Blvd, L.A. 66	Cal
Atlantic India Rubber Works, Inc., 3	571 W. Polk St, Chicago 7	Ill
Auburn Mfg. Co., The, 3	Pease Ave & Stack St, Middletown	Conn
Beemer Engineering Co., 2	401 N. Broad St, Philadelphia 8	Pa
BIRNBACH RADIO CO., INC., 2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bishop & Co., J., Platinum Works, 2	Malvern	Pa
Bonny Mfg. Corp., 3	146 Main St, Maynard	Mass
BUCHANAN ELECTRICAL PRODUCTS CORP., 2, Adv Pg 438	**525 U. S. 22, Hillside**	**NJ**
Carmer Industries, Inc., 3	22 N. 26 St, Kenilworth	NJ
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 3, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Ceramaseal, Inc., 1	P.O. Box 25, New Lebanon Center	NY
Ceramco Inc., Chemists, 1	173 Ridge St, Newark 4	NJ
Chase Brass & Copper Co., Inc., 2	236 Grand St, Waterbury 20	Conn
Chemplast, Inc., 3	3 Central Ave, East Newark	NJ
Cleveland Graphite Bronze Div., Clevite, 2-3	17000 St. Clair Ave, Cleveland 10	Ohio
COMPONENTS FOR RESEARCH, INC., 3, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
CONTINENTAL-DIAMOND FIBRE CORP., 3, Adv. Pgs. 205-208	**Newark 100**	**Del**
Cordo (Canada) Ltd., 3	149 Sterling Rd, Toronto 3, Ontario, Canada	
Cortland Industries, Inc., 3	4545 Cortland St, Chicago 39	Ill
Cox Mfg. Co., 2-3	807 Fredericksburg Rd, San Antonio 1	Tex
Crystal-X Corp., 3	403 Lenni Rd, Lenni Mills	Pa
Darrill Products Corp., 3	107 Falmouth St, Attleboro	Mass
Division Lead Co., 2	7742 W. 61st Pl, Summit	Ill
Duramic Products, Inc., 3	426 Commercial Ave, Palisades Park	NJ
Eagle Electric Mfg. Co., Inc., 2-3	23-10 Bridge Plaza S., L.I. City	NY
Emerson Plastics Corp., 3	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 3	Fellowship Rd, Rt. 73, Maple Shade	NJ
Everard Tap & Die Corp., 2-3	213 E. 144th St, New York 51	NY
Ferro Powdered Metals, Inc., 2	P.O. Box 312E, Salem	Ind
Franklin Fibre Lamitex Corp., 3	P.O. Box 1768, Wilmington	Del
Frenchtown Porcelain Co., 1-3	Frenchtown	NJ
General Components Co., 2-3	225-229 E. 144th, New York 51	NY
GENERAL HERMETIC SEALING CORP., 1, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
General Plastics Corp., 3	P.O. Box 1689, Paterson	NJ
General Tire & Rubber Co., 3	Akron	Ohio
Gladding, McBean & Co., 1-3	1551 S. Primrose St, Monrovia	Cal
GRAPHITE METALLIZING CORP., 3, Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Greenfield Components Corp., 1	184 Shelburne St, Greenfield 16	Mass
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Heli-Coil Corp	Shelter Rock Ln, Danbury	Conn
Henry & Miller Industries, Inc., 2	675 Garfield Ave, Jersey City 5	NJ
Hermetite Corp., 1	702 Beacon St, Boston 15	Mass
HEYMAN MFG. CO., 3, Adv Pg 518	**Kenilworth 2**	**NJ**
I.E. Manufacturing, 2	325 N. Hoyne Ave, Chicago 12	Ill
Insulation Manufacturers Corp., 3	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg. Corp., 1	Stirling	NJ
Jan Hardware Mfg. Co., Inc., 2	38-01 Queens Blvd, Long Island City 1	NY
Joclin Mfg. Co., 1	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 3	36 Crescent St, Brooklyn 8	NY
Johns-Manville, 3	22 E. 40 St, New York 16	NY
KEYSTONE CARBON CO., RESISTOR DIV., 2, Adv Pg 107	**St. Marys**	**Pa**
Keystone Electronics Corp., 2-3	49 Bleecker St, New York 12	NY
Kirchberger & Co., Inc., M., 3	248 Humphrey St, Englewood	NJ
LAPP INSULATOR CO., INC., RADIO SPECIALTIES DIV., 1-3, Adv. Pgs. 344,345	**31 Gilbert St, Le Roy**	**NY**
Louthan Plant Refrac., Div., Ferro Corp., 3	2000 Harvey Ave, East Liverpool	Ohio
Lundey Associates, Inc., 1-3	694 Main St, Waltham 54	Mass
Marstan Electronics Corp., 3	204 Babylon Tnpk, Roosevelt	NY
Materials for Electronics, Inc., 1-3	152-25 138 Ave, Jamaica 34	NY
Minisink Rubber Co., Inc., 3	Orange County, Unionville	NY
Nichols Products Co., 3	323 W. Main St, Moorestown	NJ
Nyltite Corp of America, 3	282 Badger Ave, Newark 8	NJ
Ohio Carbon Co., 3	12508 Berea Rd, Cleveland 11	Ohio
Oki & Willadsen, Ltd., 3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pennsylvania Fluorocarbon Co., 3	1115 N. 38th St, Philadelphia 4	Pa
Permali, Inc., 3	P.O. Box 718E, Mt. Pleasant	Pa
POLYMER CORP., 3, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Pure Carbon Co., 3	Wellsville St, St. Marys	Pa
Quality Hermetics, Ltd., 1	45 Hollinger Rd, E. York, Toronto, Ontario	
Remsel Industries, Inc., 2	580 E. 40th St, Chicago 15	Ill
RESDEL CORP., 3, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Research Development Manufacture Inc., 2	429 E. Collom St, Philadelphia 44	Pa
Rosan, Inc., 2	2901 W. Coast Hwy, Newport Beach	Cal
Rubbercraft Corp of California, 3	1800 W. 220 St, Torrance	Cal
St. Marys Carbon Co., 2-3	State Rd, St. Marys	Pa
Sealectro Corp., 3	139 Hoyt Ave, Mamaroneck	NY
Semi-Alloys, Inc., 2	550 S. Fulton Ave, Mt. Vernon	NY
Sinclair Mfg. Co., 1-2-3	Chartley	Mass
Spaulding Fibre Co., Inc., 3	310 Wheeler St, Tonawanda	NY
Stalwart Rubber Co., 3	160 Northfield Rd, Bedford	Ohio
SUPERIOR STEATITE & CERAMIC CORP., 3, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Swenson Co., Inc., V.H., 3	552 Elm St, Kearny	NJ
SYNTHANE CORP., 3, Adv Pg 35	**Oaks**	**Pa**
Telegraph Condenser Co., Ltd., 1-3	Wales Farm Rd, Acton London W. 3	England
Thomas & Betts Co., Inc., The, 2-3	36 Butler St, Elizabeth 1	NJ
Thor Ceramics, Inc., 1-3	225 Belleville Ave, Bloomfield	NJ
TORWICO ELECTRONICS, INC., 1, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Tri-Point Plastics, Inc., 3	175 E. U. Willets Rd, Albertson	NY

Uni-Seal, Inc., 1	477 North Ave, Garwood	NJ
United Fabricators Electronics, Inc., 3	Stillwater	Minn
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
United Shoe Machinery Corp., 2	140 Federal St, Boston 7	Mass
U.S. Graphite Co., Div., The Wickes Corp., 2-3	Saginaw 32	Mich
Waterbury Companies, Inc., 2-3	Waterbury 20	Conn
Wilmington Fibre Specialty Co., 3	New Castle 6	Del
Wrought Washer Mfg. Co., 2-3	2264 S. Bay St, Milwaukee 7	Wisc

BUTTON STEMS *See* **TUBE PARTS**

CABINETS —*METAL*

A A Metal Products, Inc	154 Elliot St, Brattleboro	Vt
ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
AIR-SHIELDS, INC., Adv Pg 163	**Hatboro**	**Pa**
Aircraft Armaments, Inc	Cockeysville	Md
Akro-Mils, Inc	P.O. Box 989, Akron 9	Ohio
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Algo, Inc	251 West St, South Hackensack	NJ
Alpitec Inc	49 Gleason Ave, Stamford	Conn
Amco Engineering Co	7333 W. Ainslie St, Chicago 31	Ill
American Machine & Foundry Co., Government Products Group	1701 K St, N.W., Washington 6	DC
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Applied Electronics Co	213 E. Grand Ave, South San Francisco	Cal
Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Aurora Equipment Co	Aurora	Ill
Automation Industries, Inc	3613 Aviation Blvd, Manhattan Beach	Cal
Avco Corp., Crosley Div	1329 Arlington St, Cincinnati 25	Ohio
Avco Corp., Nashville Div	Nashville	Tenn
Baltic Metal Products Co	126 Sutton St, Brooklyn 22	NY
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Bennett Mfg. Co	Alden	NY
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Bud Radio, Inc	2118 East 55th St, Cleveland 3	Ohio
Budd Co	2450 Hunting Park Ave, Philadelphia 22	Pa
California Chassis Co	5445 E. Century Blvd, Lynwood	Cal
Campro Products, Inc	3133 Alliance Rd N.E., Canton 1	Ohio
Chisholm Industries, Ltd	Electronic St, Port Moody, B.C.	Canada
Churchill Lighting Corp	344 Franklin St, Melrose 76	Mass
Columbia Metal Box Co	260 E. 143 St, New York	NY
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mich
Controlled Atmosphere Enclosures Mfg. Co	1061 E. 8th St, Jacksonville 6	Fla
Corry Jamestown Corp	41 N. Center St, Corry	Pa
Croname, Inc	6247 Howard St, Chicago 48	Ill
Cutler Metal Products Co	1025 Line St, Camden	NJ
Dahlstrom Metallic Door Co	Jamestown	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Devco Engineering, Inc	Pier Ln W., Caldwell	NJ
Dolin Metal Products, Inc	315 Lexington Ave, Brooklyn	NY
Donnelly Mfg. Co	580 Winter St, Waltham 54	Mass
Eagle Signal Co., A Div of The Gamewell Co	202 20th St, Moline	Ill
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Electrol Specialties Co	441 Clark St, South Beloit	Ill
Electronic Enclosures, Inc	3629 Holdrege Ave, Los Angeles 16	Cal
Electronic Research & Dev. Co., Ltd	210 9th Ave, S.E., Calgary, Alberta,	Canada
Electronic Transformer Co	70 Washington St, Brooklyn 1	NY
Elgin Metalformers Corp	630 Congdon Ave, Elgin	Ill
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Falls Metal Works, Ltd	414 Main St, Little Falls	NJ
Falstrom Co	44 Falstrom Ct, Passaic	NJ
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
Feiner & Sons, P.	524 W. 45 St, New York	NY
Fisher Berkeley Corp	4224 Holden St, Emeryville 8	Cal
FORMICA METAL PRODUCTS CO., Adv Pg 531	**Corporation Way, Medford**	**Mass**
Formweld Products Co	1530 Colt Ave, Cleveland	Ohio
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
Foxboro Co., The	Foxboro	Mass
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
General Metal Products Co	1010-14 Centre St, Easton	Pa
Golden Co	1054-38th St, Brooklyn 19	NY
Halliburton, Inc., Mfg. Div	4724 S. Boyle Ave, Los Angeles 58	Cal
Hamilton Mfg. Co	Two Rivers	Wisc
Haydon Corp	3815-9th Ave, New York 34	NY
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Hoffman Engineering Corp	Anoka	Minn
Holden-Massey Corp	140 Allen Blvd, Farmingdale	NY
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
Huenefeld Co	2701 Spring Grove Ave, Cincinnati 25	Ohio
Humble Mfg. Co., Ltd	1695 W. 2nd Ave, Vancouver 9, BC,	Canada
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jandor, Inc	428 Salem Ave, Dayton 6	Ohio
Kees Mfg. Co., F.D	702 Park St, Beatrice	Neb
KEYSTONE MFG. CO., Adv Pg 549	**23328 Sherwood Ave, Warren**	**Mich**
Kleer-Vue Mfg. Co., Inc	P.O. Box 10326, Pittsburgh 34	Pa
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
LMB	2528 W. 9th St, Los Angeles 6	Cal
Lorentzen, Inc., Levolor	391 W. Broadway, New York 12	NY
Lynch Mfg. Co., R.H.	7831 E. Arroyo Dr, South San Gabriel	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Metal Fabricators Corp	63 Pond St, Waltham 54	Mass
Metalworks, Inc	9th & Jefferson, Hermann	Mo
Midwest Electric Products	1517 N. Front St, Mankato	Minn
Midwest Metal Products, Inc	450 E. Donovan Rd, Kansas City 15	Kan
Milwaukee Stamping Co	802 S. 72 St, Milwaukee	Wisc
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Mobil Electronics, Inc	1111 State Rd 67E, Anderson	Ind
Muckle Mfg. Co	Prinzing Rd, Owatonna	Minn
Multi-Products Co	21470 Coolidge Hwy, Oak Park	Mich
Nelson Electric Mfg. Co	P.O. Box 5385, Tulsa 16	Okla
New Bruswick Sheet Metal Works	425 Cleveland Ave, Highland Park	NJ
NORTHEASTERN ENGINEERING, INC., Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
Nostrand Metal Fabricators	323 Lexington Ave, Brooklyn	NY
Olympic Products Co., Inc	Third Ave, Alpha	NJ
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
Par-Metal Products Corp	32-62 49th St, Long Island City 3	NY
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Penco Div., Alan Wood Steel Co	Oaks	Pa
Precision Scientific Co	3737 W. Cortland, Chicago 47	Ill
PREMIER METAL PRODUCTS CO., Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
REF Mfg. Co	Jericho Tnpk, Mineola	NY
Racal Engineering, Ltd	Western Rd, Bracknell, Berks,	England
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Republic Steel Corp	Republic Bldg, Cleveland 1	Ohio
Riester & Thesmacher Co	1510 W. 25th St, Cleveland 13	Ohio
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Skydyne, Inc	River Rd, Port Jervis	NY
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
STANDARD PRESSED STEEL CO., Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
TA Mfg. Corp	4613 Alger St, Los Angeles 39	Cal
Topatron, Inc	942 E. Ojai Ave, Ojai	Cal
Transval Electronics Corp	2030 Maple Ave, El Segundo	Cal
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa
Warren Mfg. Co., Inc	Newtown Rd, Littleton	Mass
WATSON MFG. CO., INC., Adv Pg 200	**4700 Taylor St, Jamestown**	**NY**
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
WESTERN DEVICES, INC., Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
White Aircraft Corp	Palmer	Mass
Wickes Engineering & Construction Co	12th St & Ferry Ave, Camden 4	NJ
Widney-Dorlec	80 Shore Rd, Port Washington	NY
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla
Wyco Metal Products	6918 Beck Ave, North Hollywood	Cal
York-Hoover Corp	York	Pa
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

CABINETS —*PLASTIC*

AIR-SHIELDS, INC., Adv Pg 163	**Hatboro**	**Pa**
Akro-Mils, Inc	P.O. Box 989, Akron 9	Ohio
Allied Plastics Supply Corp	75 Cliff St, New York 38	NY
Althor Products	2301 Benson Ave, Brooklyn 14	NY
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Atkins & Merrill, Inc	49 Post Rd, South Sudbury	Mass
Boonton Molding Co	Boonton	NJ
Campro Products, Inc	3313 Alliance Rd N.E., Canton 1	Ohio
Controlled Atmosphere Enclosures Mfg. Co	1061 E. 8th St, Jacksonville 6	Fla
Crystal-X Corp	403 Lenni Rd, Lenni Mills	Pa
Darrill Products Corp	107 Falmouth St, Attleboro	Mass
Dura Plastics of New York, Inc	303 Fifth Ave, New York 16	NY
ERIE RESISTOR CORP., Adv. Pgs. 242,243	**644 W. 12th St, Erie 6**	**Pa**
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Fisher Berkeley Corp	4224 Holden St, Emeryville 8	Cal
Jodee Plastics, Inc	36 Crescent St, Brooklyn 8	NY
Kerrco	Box 4178, Havelock Sta, Lincoln 7	Neb
Kleer-Vue Mfg. Co., Inc	P.O. Box 10326, Pittsburgh 34	Pa
Koch & Sons, Inc., H.	Corte Madera	Cal
Life Instrument Co., Inc	100 Brook St, Franklin	Mass
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Olympic Plastics Co., Inc	3471 S. La Cienega, Los Angeles 16	Cal
Packard-Bell Electronics Corp., Technical Products Div	12333 W. Olympic Blvd, Los Angeles 64	Cal
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
RICHARDSON CO., THE, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Scientific Wood Cabinet Co	88 Holmes St, Belleville	NJ
Skydyne, Inc	River Rd, Port Jervis	NY
Swenson Co., Inc., V.H.	552 Elm St, Kearny	NJ
Waldom Electronics, Inc	4621 W. 53rd St, Chicago 32	Ill
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla
Zenith Plastic Co	P.O. Box 91, Gardena	Cal

CABINETS PORTABLE CASES *See* **CASES-PORTABLE**
CABINETS —*SPEAKER See* **BAFFLES**

CABINETS —*WOOD*

Admiral Corp	3800 W. Cortland St, Chicago 47	Ill
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Argos Products Co., Inc	301 Main St, Genoa	Ill
Audio Electronic Corp	1345 W. Fond Du Lac Ave, Milwaukee	Wisc
Bennett Laboratories, Inc	4224 Holden St, Emeryville 8	Cal
Calbest Electronics Co	4801 Exposition Blvd, Los Angeles 16	Cal
Cambridge Pattern Works, Inc	55 First St, Cambridge 41	Mass
Chisholm Industries, Ltd	Electronic St, Port Moody, B.C.	Canada
Electro Voice, Inc	Buchanan	Mich
Electronic Research & Dev. Co., Ltd	210 9th Ave, S.E., Calgary, Alberta,	Canada
Electrophono & Parts Corp	530 Canal St, New York 13	NY
Goldsman Co	1328-34 N. 4th St, Philadelphia 22	Pa
Horton & Hubbard Mfg. Co	141 Canal St, Nashua	NH
Jayell Mfg. Co	1360 Garrison Ave, New York 59	NY
Karlson Associates, Inc	433 Hempstead Ave, W. Hempstead	NY
Mastra Co	2104 Superior Ave, Cleveland	Ohio
Packard-Bell Electronics Corp., Technical Products Div	12333 W. Olympic Blvd, Los Angeles 64	Cal
Parkway Specialties Co	22519 Plymouth Rd, Detroit 39	Mich
Powers Co., J.J.	818 N. 22nd Ave, Melrose Park	Ill
Radio Mfg. Engineers, Div., Electro Voice, Inc	Buchanan	Mich
River Edge Sales Corp	80 Shore Rd, Port Washington	NY
Scientific Wood Cabinet Co	88 Holmes St, Belleville	NJ
Sparton Corp	2400 E. Ganson St, Jackson	Mich
Steger Furniture Mfg. Co	3337 Chicago Rd, Steger	Ill
Telequip Radio Co	2559 W. 21st St, Chicago 8	Ill
University Loudspeakers, Inc	80 S. Kenisco Ave, White Plains	NY
Utah Radio & Electronic Corp	1124 E. Franklin St, Huntington	Ind
Webster Electric Co	1900 Clark St, Racine	Wisc
Wells-Gardner & Co	2701 N. Kildare Ave, Chicago 39	Ill
Wurlitzer Co	North Tonawanda	NY

CABLE *See Also* **WIRE**

CABLE ASSEMBLIES *(WITH CONNECTORS) See Also* HARNESSES

A-K Mfg. Co., Inc	111 S. Northwest Hwy, Barrington	Ill
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Airesearch Mfg Co of Ariz	402 S. 36 St, Phoenix	Ariz
Allied Allegri, Inc	141 River Rd, Nutley	NJ
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal

American Electric Cable Co	183 Appleton St, Holyoke	Mass
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Amphenol Western Div., Amphenol-Borg Electronics Corp	9201 Independence Ave, Chatsworth	Cal
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Appalachian Electronic Instruments	812 W. Monroe Ave, Ronceverte	W. Va
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
AUDIOSEARS CORP., Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Barker Products Co.	3 Component Park, West Bridgewater	Mass
Bergen Wire Rope Co	456 Gregg St, Lodi	NJ
Bernco Engineering Corp	2320 S. Tibbs Ave, Indianapolis	Ind
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
Buggie, H.H., Div., Burndy Corp	P.O. Box 817, Toledo 1	Ohio
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Cable Designs, Inc	66 Rushmore St, Westbury	NY
Cable Electric Products	234 Daboll St, Providence	RI
Cable Specialists of Connecticut	95 Kitts Ln, Newington 11	Conn
Cadre Industries Corp	P.O. Box 150, Endicott	NY
Cannon Electric Co	3208 Humboldt St, Los Angeles 31	Cal
Carol Cable Div., Crescent Co., Inc	20 Central Ave, Pawtucket	RI
Carol Electronics Corp	315 W. Stephen St, Martinsburg	W. Va
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Component Mfg. Service, Inc	West Bridgewater	Mass
Doty Acoustical Electronic Labs	Tobyhanna	Pa
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
Eagle Signal Co., A Div of The Gamewell Co	202 20th St, Moline	Ill
Electrical & Physical Instrument Corp	42-19 27 St, L I City 1	NY
Electromath Corp	115 Pleasant Ave, Roosevelt	NY
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Empire Electronics Co., Inc	60 Spruce St, Paterson 1	NJ
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fanon Electronic Industries, Inc	439 Frelingheysen Ave, Newark	NJ
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Grigsby Co., Inc	407 N. Salem Ave, Arlington Heights	Ill
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hallett Mfg. Co	5910 Bowcroft St, Los Angeles	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Industrial Products-Danbury Knudsen Div., Amphenol-Borg Electronics Corp	33 E. Franklin St, Danbury	Conn
Keisers Industries, Inc	Lamau St, Mt. Holly Springs	Pa
Kupfrian Mfg. Corp	398 State St, Binghamton	NY
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
LEWIS ENGINEERING CO., Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Mercury Engineering Corp	337 E. Cottage Pl, York	Pa
Missile Systems Corp	11949 Vose St, North Hollywood	Cal
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Mutron Corp	125 Perkins Ave, Brockton	Mass
Nichols, Ltd., R.H.	4544 Dufferin St, Downsview, Ontario, Canada	
Nugent Electronics Co., Inc	802 E. Eighth St, New Albany	Ind
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Permoflux Products Co	4101 San Fernando Rd, Glendale	Cal
Pomona Electronics Co., Inc	1126 W. Fifth Ave, Pomona	Cal
Revere Corp of America Sub., Neptune Meter Co	Wallingford 2	Conn
Robertshaw-Fulton Controls Co., Aero & Instr Div	Santa Ana Freeway at Euclid, Anaheim	Cal
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp	145 Elm St, Mamaroneck	NY
SATURN ELECTRONICS CORP., Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Smith Mfg. Co., J&H	Little Britain Rd, Newburgh	NY
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
Stratocon Corp	P.O. Box 10, Morristown	NJ
SURPRENANT MFG. CO., Adv Pg 161	**Clinton**	**Mass**
SWITCHCRAFT, INC., Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Transval Electronics Corp	2030 Maple Ave, El Segundo	Cal
Tri-Dex Co.	P.O. Box 1207, Lindsay	Cal
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
U.S. Wire & Cable Corp	Progress & Monroe Sts, Union 50	NJ
Univox Corp	102 Warren St, New York 7	NY
Vector Mfg., Co	5616 Lawndale Ave, Houston 23	Tex
Victor Electric Wire & Cable Corp	618 Main St, West Warwick	RI
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Whitaker Cable Corp	Kansas City 16	Mo
Whitney Blake Co	97 Pershing St, New Haven 14	Conn
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla

CABLE CLAMPS *See* CLAMPS
CABLE-FAULT LOCATORS *See* LOCATORS *—CABLE & LINE FAULT*
CABLE LOCATORS *See* LOCATORS *—PIPE & CABLE*
CABLE REELS *—RETRACTILE See* REELS

CABLES *—COAXIAL*
1. FLEXIBLE, SEMI-SOLID 2. FLEXIBLE, SOLID 3. RIGID

A-K Mfg. Co., Inc., 1	111 S. Northwest Hwy, Barrington	Ill
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
AMPHENOL CABLE & WIRE DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2-3, Adv Pg 288	**S. Harlem Ave at 63rd St, Chicago 38**	**Ill**
Anaconda Wire & Cable Co., 1-2	25 Broadway, New York 4	NY
Andrew Corp., 1-2-3	P. O. Box 807, Chicago 42	Ill
ANTENNA SYSTEMS, INC., 3, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Boston Insulated Wire & Cable Co., 1-2	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2-3	31 Sudbury Rd, Concord	Mass
C W S Waveguide Corp., 3	301 W. Hoffman Ave, Lindenhurst	NY
Cable Designs, Inc., 1-2-3	66 Rushmore St, Westbury	NY
Cable Electric Products, 1-2	234 Daboll St, Providence	RI
CHESTER CABLE CORP., 1-2, Adv Pg 265	**Hill St, Chester**	**NY**
COLEMAN WIRE & CABLE CO., 1-2-3, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 1-2-3	P.O. Box 366, Wallingford	Conn
Dielectric Materials Co., 1-2	5315-17 N. Ravenswood, Chicago	Ill
Dielectric Products Engrg Co., Inc., 1-3	Raymond	Me
Don-Lan Electronics, Inc., 1-2-3	1101 Olympic, Santa Monica	Cal
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 2	81 Lakeside Ave, West Orange	NJ
Electro-Physics Labs, Div Marshall Industries, 1-2	1900 Walker Ave, Monrovia	Cal
Entron, Inc., 1-2	4902 Lawrence St, Bladensburg	Md
Forway Industries, Inc., 1-2-3	122 Green Ave, Woodbury	NJ
General Cable Corp., 1-2-3	730 Third Ave, New York 17	NY
GENERAL ELECTRIC CO., WIRE & CABLE, 2, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
GENERAL RADIO CO., 1, Adv Pg 285	**West Concord**	**Mass**
Gore & Associates, Inc., W.L., 1-2	487 Paper Mill Rd, Newark	Del
Haveg Industries, Inc., 2	900 Greenbank Rd, Wilmington 8	Del
Holyoke Wire & Cable Corp., 1	720 Main St, Holyoke	Mass
ITT Laboratories, 1-2-3	500 Washington Ave, Nutley 10	NJ
Inso Electronic Products, Inc., 2	1200 Commerce Ave, Union	NJ
Jampro Antenna Co., 1-3	7500 14th Ave, Sacramento	Cal
JERROLD ELECTRONICS CORP., 2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Judd Wire Mfg. Corp., 1-2-3	22 Ave A, Turners Falls	Mass
Land-Air, Inc., 1-2	7444 W. Wilson Ave, Chicago 31	Ill
LEWIS ENGINEERING CO., 1-2, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MICRODOT, INC., 1-2-3, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Miller Co., L. C., 1	5005 E. Slauson Ave, L A 22	Cal
Missile Systems Corp., 1-2	11949 Vose St, North Hollywood	Cal
Mohawk Wire & Cable Corp., 1-2	320 River St, Fitchburg	Mass
Okonite Co., The, 1-2	Canal St, Passaic	NJ
Pacific Automation Products, Inc., 1-2-3	1000 Air Way, Glendale	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Phalo Plastics Corp., 1-2	530 Boston Trnpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., 1-2, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Plastoid Corp., 1-2-3	42-61 24 St, Long Island City 1	NY
Precision Tube Co., Inc., 3	Church & Wissahickon, North Wales	Pa
Prodelin, Inc., 1-3	307 Bergen Ave, Kearny	NJ
Radio Corp of America Indl Electronic Prods, 1-2-3	Front & Cooper, Camden	NJ
Raychem Corp., 1-2-3	Oakside at Northside, Redwood City	Cal
Rego Insulated Wire Co., 1-2	830 Monroe St, Hoboken	NJ
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 1-2-3	Nicoll & Canner Sts, New Haven 4	Conn
Royal Electric Corp., 1-2	95 Grand Ave, Pawtucket	RI
Saxton Products, Inc., 1	4320 Park Ave, Bronx 57	NY
SCINTILLA DIV., BENDIX AVIATION CORP., 1-2-3, Adv Pg 363	**Sidney**	**NY**
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 1-2	2201 Bay Rd, Redwood City	Cal
Smith Mfg. Co., Inc., E.C., 2-3	Forrest & Hector Sts, Conshohocken	Pa
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	England
Superior Cable Corp., 1-2	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., 1-2-3, Adv Pg 161	**Clinton**	**Mass**
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TELCON, 1-2, Adv Pg 406	**P.O.Box 216, Pacific Palisades**	**Cal**
TELERAD MFG. CORP., 3, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
TENSOLITE INSULATED WIRE CO., INC., 1-2, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 1-2	108 E. Prospect Ave, Burbank	Cal
THERMAX WIRE CORP., 2, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Times Wire & Cable Co., Inc., 1-2-3	358 Hall Ave, Wallingford	Conn
U.S. Wire & Cable Corp., 1-2	Progress & Monroe Sts, Union 50	NJ
Vector Mfg., Co., 1-2	5616 Lawndale Ave, Houston 23	Tex
Victor Electric Wire & Cable Corp., 1-2	618 Main St, West Warwick	RI
Western Insulated Wire Co., 2	2425 E. 30 St, Los Angeles 58	Cal

CABLES *—FLAT, PRINTED & RIBBON*

BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co	63 Bay St, Boston 25	Mass
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc	66 Rushmore St, Westbury	NY
Cadre Industries Corp	P. O. Box 150, Endicott	NY
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Consolidated Wire & Associated Cos	1635 S. Clinton St, Chicago 16	Ill
Gavitt Wire & Cable Co	Central St, Brookfield	Mass
Gore & Associates, Inc., W. L.	487 Paper Mill Rd, Newark	Del
GRAPHIK-CIRCUITS DIV., CINCH, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
HITEMP WIRES, INC., Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Holyoke Wire & Cable Corp	720 Main St, Holyoke	Mass
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Judd Wire Mfg. Corp	22 Ave A, Turners Falls	Mass
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
METHODE MFG. CORP., Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Phalo Plastics Corp	530 Boston Trnpk, Shrewsbury	Mass
Plastoid Corp.	42-61 24 St, Long Island City 1	NY
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
Superior Cable Corp	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., Adv Pg 161	**Clinton**	**Mass**
Tape Cable Corp	790 Linden Ave, Rochester 10	NY
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Times Wire & Cable Co., Inc	358 Hall Ave, Wallingford	Conn
Victor Electric Wire & Cable Corp	618 Main St, West Warwick	RI

Whitaker Cable Corp	Kansas City 16	Mo

CABLES —*HIGH TEMPERATURE*
1. COAXIAL 2. SHIELDED 3. UNSHIELDED

A-K Mfg. Co., Inc., 1-2-3	111 S. Northwest Hwy, Barrington	Ill
Aero-Marine Development Corp., 1-2-3	110 Summit Ave, Chatham	NJ
ALPHA WIRE CORP., 2-3, Adv Pg 266	**200 Varick St, New York 14**	**NY**
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2-3, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Amp Inc., Capitron Div., 3	155 Park St, Elizabethtown	Pa
AMPHENOL CABLE & WIRE DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2, Adv Pg 288	**S. Harlem Ave at 63rd St, Chicago 38**	**Ill**
Anaconda Wire & Cable Co., 1-2-3	25 Broadway, New York 4	NY
Andrew Corp., 1	P.O.Box 807, Chicago 42	Ill
BIRNBACH RADIO CO., INC., 1-2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 1-2-3	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2-3	31 Sudbury Rd, Concord	Mass
Breeze Corps., Inc., 2	700 Liberty Ave, Union	NJ
Cable Designs, Inc., 1-2-3	66 Rushmore St, Westbury	NY
Cable Electric Products, 1-2-3	234 Daboll St, Providence	RI
Carol Cable Div., Crescent Co., Inc., 2-3	20 Central Ave, Pawtucket	RI
CHESTER CABLE CORP., 1-2-3, Adv Pg 265	**Hill St, Chester**	**NY**
Cimco Wire & Cable Co., 1-2-3	303 Crescent Ave, Allendale	NJ
COLEMAN WIRE & CABLE CO., 1-2-3, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1-2-3	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2-3	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 1-2-3	P.O. Box 366, Wallingford	Conn
Co-Operative Industries, Inc., 2	100 Oakdale Rd, Chester	NJ
Dielectric Materials Co., 1-2-3	5315-17 N. Ravenswood, Chicago	Ill
Don-Lan Electronics, Inc., 1	1101 Olympic, Santa Monica	Cal
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 1	81 Lakeside Ave, West Orange	NJ
The Electric Autolite Co., 1-2-3	Champlain St, Toledo 1	Ohio
Electro-Physics Labs, Div Marshall Industries, 1-2	1900 Walker Ave, Monrovia	Cal
Gavitt Wire & Cable Co., 2-3	Central St, Brookfield	Mass
General Cable Corp., 1-2-3	730 Third Ave, New York 17	NY
GENERAL ELECTRIC CO., WIRE & CABLE, 1-2-3, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
Gore & Associates, Inc., W.L., 1-2-3	487 Paper Mill Rd, Newark	Del
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
Hallett Mfg. Co., 2-3	5910 Bowcroft St, Los Angeles	Cal
HITEMP WIRES, INC., 1-2-3, Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Holyoke Wire & Cable Corp., 1-2-3	720 Main St, Holyoke	Mass
ITT Laboratories, 1-2-3	500 Washington Ave, Nutley 10	NJ
Inso Electronic Products, Inc., 1-2-3	1200 Commerce Ave, Union	NJ
Interstate Electronics Corp., 2	707 E. Vermont Ave, Anaheim	Cal
Jefferson Electronic Products, 2-3	322 State St, Santa Barbara	Cal
Jefferson Wire & Cable Corp., 1-2-3	Pleasant Valley Rd, Sutton	Mass
Judd Wire Mfg. Corp., 1-2-3	22 Ave A, Turners Falls	Mass
Lenz Electric Mfg. Co., 1-2-3	1751 N. Western Ave, Chicago 47	Ill
LEWIS ENGINEERING CO., 1-2-3, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 2, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MICRODOT, INC., 1-2, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Missile Systems Corp., 1-2-3	11949 Vose St, North Hollywood	Cal
Okonite Co., The, 1-2-3	Canal St, Passaic	NJ
Pacific Automation Products, Inc., 1-2-3	1000 Air Way, Glendale	Cal
PHELPS DODGE COPPER PRODUCTS CORP., 1, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Plastoid Corp., 1-2-3	42-61 24 St, Long Island City 1	NY
Porter Co., Inc. H.K., National Electric Div., 3	Porter Bldg, Pittsburgh 19	Pa
Precision Tube Co., Inc., 1-2	Church & Wissahickon, North Wales	Pa
Prodelin, Inc., 1	307 Bergen Ave, Kearny	NJ
Raychem Corp., 1-2-3	Oakside at Northside, Redwood City	Cal
Revere Corp of America Sub., Neptune Meter Co., 2-3	Wallingford 2	Conn
Rhode Island Insulated Wire Co., 2-3	50 Burnham Ave, Cranston	RI
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 1-2-3	Nicoll & Canner Sts, New Haven 4	Conn
Royal Electric Corp., 1-2	95 Grand Ave, Pawtucket	RI
SCINTILLA DIV., BENDIX AVIATION CORP., 1-2-3, Adv Pg 363	**Sidney**	**NY**
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 1-2-3	2201 Bay Rd, Redwood City	Cal
Smith Mfg. Co., Inc., E.C., 1-2-3	Forrest & Hector Sts, Conshohocken	Pa
Supa Insulations, Inc., 1-2-3	123 E. Bassett St, Rocky Mount	NC
Superior Cable Corp., 1-2-3	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., 1-2-3, Adv Pg 161	**Clinton**	**Mass**
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TELCON, 1, Adv Pg 406	**P.O.Box 216, Pacific Palisades**	**Cal**
TENSOLITE INSULATED WIRE CO., INC., 1-2-3, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 1-2-3	108 E. Prospect Ave, Burbank	Cal
Thermal Wire of America, 1-2-3	Keeler's Bay, South Hero	Vt
THERMAX WIRE CORP., 1-2-3, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Tower Construction Co., 1	2700 Hawkeye Dr, Sioux City	Iowa
U.S. Wire & Cable Corp., 1	Progress & Monroe Sts, Union 50	NJ
Victor Electric Wire & Cable Corp., 1-2-3	618 Main St, West Warwick	RI
Warren Wire Co., 1-2-3	Pownal	Vt
Wirecraft Products, Inc., 1-2-3	Rt 9, West Brookfield	Mass

CABLES —*PATCH CORDS* See CORDS —*PATCH*

CABLES —*SHIELDED (NOT COAXIAL)*
1. A-F (Incl. MICROPHONE) 2. D-C & POWER FREQUENCY 3. R-F (Incl. UHF)

A-K Mfg. Co., Inc., 1-2	111 S. Northwest Hwy, Barrington	Ill
Aero-Marine Development Corp., 3	110 Summit Ave, Chatham	NJ
ALPHA WIRE CORP., 1-2, Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Development Electronics Co., 2-3	212 Central Ave, Newark	NJ
American Electric Cable Co., 1-2	183 Appleton St, Holyoke	Mass
American Steel & Wire Div., USS, 2	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2-3, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
AMPHENOL CABLE & WIRE DIV., AMPHENOL-BORG ELECTRONICS CORP., 3, Adv Pg 288	**S. Harlem Ave at 63rd St, Chicago 38**	**Ill**
Anaconda Wire & Cable Co., 1-2-3	25 Broadway, New York 4	NY
Argonne Electronics Mfg. Corp., 1	165-11 South Rd, Jamaica 33	NY
AUDIOTEX MFG. CO., 1, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
BIRNBACH RADIO CO., INC., 1-2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 1-2-3	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2-3	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc., 2-3	66 Rushmore St, Westbury	NY
Cable Electric Products, 1-2-3	234 Daboll St, Providence	RI
CHESTER CABLE CORP., 1, Adv Pg 265	**Hill St, Chester**	**NY**
COLEMAN WIRE & CABLE CO., 1-2-3, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1-2-3	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2-3	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 1-2	P.O. Box 366, Wallingford	Conn
Cornish Wire Co., 1	50 Church St, New York 7	NY
Dielectric Materials Co., 1-2-3	5315-17 N. Ravenswood, Chicago	Ill
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 3	81 Lakeside Ave, West Orange	NJ
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
Electronic Applications, Inc., 1	194 Richmond Hill Ave, Stamford	Conn
Garrett Corp., The, 2	9851 Sepulveda Blvd, Los Angeles 45	Cal
Gavitt Wire & Cable Co., 1-2	Central St, Brookfield	Mass
General Cable Corp., 1-2-3	730 Third Ave, New York 17	NY
GENERAL ELECTRIC CO., WIRE & CABLE, 2, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
Hallett Mfg. Co., 3	5910 Bowcroft St, Los Angeles	Cal
Haveg Industries, Inc., 1-2-3	900 Greenbank Rd, Wilmington 8	Del
Holyoke Wire & Cable Corp., 1-2-3	720 Main St, Holyoke	Mass
ITT Laboratories, 3	500 Washington Ave, Nutley 10	NJ
Jefferson Electronic Products, 1-2	322 State St, Santa Barbara	Cal
Jefferson Wire & Cable Corp., 1-2-3	Pleasant Valley Rd, Sutton	Mass
Judd Wire Mfg. Corp., 1-2-3	22 Ave A, Turners Falls	Mass
Kuss Industries, Inc., 1-2-3	Tacony & Lewis Sts, Philadelphia 24	Pa
Lab-Tronics, Inc., 1-2-3	3656 N. Lincoln, Chicago 13	Ill
LEWIS ENGINEERING CO., 2, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Missile Systems Corp., 1-2-3	11949 Vose St, North Hollywood	Cal
Mohawk Wire & Cable Corp., 1-2-3	320 River St, Fitchburg	Mass
Okonite Co., The, 1-2-3	Canal St, Passaic	NJ
Packard Electric Div., General Motors Corp., 2	312 Dana Ave, Warren	Ohio
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Phalo Plastics Corp., 1-2-3	530 Boston Tmpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., 3, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Plastic Wire & Cable Corp., 1-2	Jewett City	Conn
Plastoid Corp., 1-2-3	42-61 24 St, Long Island City 1	NY
Radio Corp of America Indl Electronic Prods, 1-2-3	Front & Cooper, Camden	NJ
Raychem Corp., 1-2-3	Oakside at Northside, Redwood City	Cal
Rego Insulated Wire Co., 1	830 Monroe St, Hoboken	NJ
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 2-3	Nicoll & Canner Sts, New Haven 4	Conn
Rockland Insulated Wire & Cable Co., 1-2	36 Main St, Haverstraw	NY
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp., 2	640 S. Broad St, Trenton 2	NJ
Royal Electric Corp., 1-3	95 Grand Ave, Pawtucket	RI
Saxton Products, Inc., 1-2-3	4320 Park Ave, Bronx 57	NY
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 1-3	2201 Bay Rd, Redwood City	Cal
Spectra-Strip Wire & Cable Corp., 1-2-3	P. O. Box 415, Garden Grove	Cal
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	England
Superior Cable Corp., 1-2-3	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., 1-2-3, Adv Pg 161	**Clinton**	**Mass**
Tevco Insulated Wire, 1-2	108 E. Prospect Ave, Burbank	Cal
THERMAX WIRE CORP., 1-2-3, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Times Wire & Cable Co., Inc., 1-3	358 Hall Ave, Wallingford	Conn
U.S. Wire & Cable Corp., 1-3	Progress & Monroe Sts, Union 50	NJ
Vector Mfg., Co	5616 Lawndale Ave, Houston 23	Tex
Victor Electric Wire & Cable Corp., 1-2	618 Main St, West Warwick	RI
Whitney Blake Co., 1	97 Pershing St, New Haven 14	Conn
Wirecraft Products, Inc., 3	Rt 9, West Brookfield	Mass

CABLES —*UMBILICAL, MISSILE*

Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Steel & Wire Div., USS	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Anaconda Wire & Cable Co	25 Broadway, New York 4	NY
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Avionics Corp	Maple Ave & Horsham Rd, Horsham	Pa
Boston Insulated Wire & Cable Co	63 Bay St, Boston 25	Mass
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc	66 Rushmore St, Westbury	NY
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Consolidated Wire & Associated Cos	1635 S. Clinton St, Chicago 16	Ill
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
Electronic Production & Development, Inc	501 N. Prairie Ave, Hawthorne	Cal
Electropac	62 Union St, Peterborough	NH
General Cable Corp	730 Third Ave, New York 17	NY
Gore & Associates, Inc., W. L.	487 Paper Mill Rd, Newark	Del
Haveg Industries, Inc	900 Greenbank Rd, Wilmington 8	Del
HITEMP WIRES, INC., Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Jefferson Electronic Products	322 State St, Santa Barbara	Cal
Judd Wire Mfg. Corp	22 Ave A, Turners Falls	Mass
Kuss Industries, Inc	Tacony & Lewis Sts. Philadelphia 24	Pa
Lamtex Industries Inc	Motor Ave, Farmingdale	NY
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Lenz Electric Mfg. Co	1751 N. Western Ave, Chicago 47	Ill
Mercury Engineering Corp	337 E. Cottage Pl, York	Pa
Missile Systems Corp	11949 Vose St, North Hollywood	Cal
Model Engineering & Mfg., Inc	Huntington	Ind
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Packard Electric Div., General Motors Corp	312 Dana Ave, Warren	Ohio
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Phalo Plastics Corp	530 Boston Tmpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Revere Corp of America Sub., Neptune Meter Co	Wallingford 2	Conn
Robertshaw-Fulton Controls Co., Aero & Instr Div	Santa Ana Freeway at Euclid, Anaheim	Cal

Rome Cable Div of Alcoa	Ridge St, Rome	NY
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co	2201 Bay Rd, Redwood City	Cal
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
Superior Cable Corp	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., Adv Pg 161	**Clinton**	**Mass**
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
THERMAX WIRE CORP., Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Thomas Electronics, Inc	118 Ninth St, Passaic	NJ
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
U.S. Wire & Cable Corp	Progress & Monroe Sts, Union 50	NJ
Univox Corp	102 Warren St, New York 7	NY

CABLES —*UNSHIELDED, MULTICONDUCTOR*
1. A-F 2. D-C & POWER FREQUENCY (EXCEPT LINE CORDS) 3. TRANSMISSION LINE (Incl. TV TWIN-LINE & OTHER LOW-CAPACITANCE R-F & UHF CABLES)

A-K Mfg. Co., Inc., 1-2-3	111 S. Northwest Hwy, Barrington	Ill
Aero-Marine Development Corp., 3	110 Summit Ave, Chatham	NJ
Allied Allegri, Inc., 1	141 River Rd, Nutley	NJ
ALPHA WIRE CORP., 2, Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Development Electronics Co., 1-2	212 Central Ave, Newark	NJ
American Electric Cable Co., 2-3	183 Appleton St, Holyoke	Mass
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2-3, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
AMPHENOL CABLE & WIRE DIV., AMPHENOL-BORG ELECTRONICS CORP., 3, Adv Pg 288	**S. Harlem Ave at 63rd St, Chicago 38**	**Ill**
Anaconda Wire & Cable Co., 1-2-3	25 Broadway, New York 4	NY
Avionics Corp., 1	Maple Ave & Horsham Rd, Horsham	Pa
BIRNBACH RADIO CO., INC., 1-2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 1-2-3	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2-3	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc., 1-2	66 Rushmore St, Westbury	NY
Cable Electric Products, 1-2-3	234 Daboll St, Providence	RI
Channel Master Co., 3	Ellenville	NY
CHESTER CABLE CORP., 3, Adv Pg 265	**Hill St, Chester**	**NY**
COLEMAN WIRE & CABLE CO., 1-2-3, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 2-3	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2-3	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 1-2	P.O. Box 366, Wallingford	Conn
Cornish Wire Co., 3	50 Church St, New York 7	NY
Dielectric Materials Co., 1-2	5317-17 N. Ravenswood, Chicago	Ill
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
Forway Industries, Inc., 3	122 Green Ave, Woodbury	NJ
Garrett Corp., The, 2	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES RADIO CO., 3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gavitt Wire & Cable Co., 1	Central St, Brookfield	Mass
General Cable Corp., 1-2-3	730 Third Ave, New York 17	NY
Gore & Associates, Inc., W. L., 3	487 Paper Mill Rd, Newark	Del
Haveg Industries, Inc., 1-2-3	900 Greenbank Rd, Wilmington 8	Del
Holyoke Wire & Cable Corp., 1-2-3	720 Main St, Holyoke	Mass
Jefferson Electronic Products, 1-2	322 State St, Santa Barbara	Cal
Jefferson Wire & Cable Corp., 3	Pleasant Valley Rd, Sutton	Mass
JERROLD ELECTRONICS CORP., 3, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Jersey Specialty Co., Inc., 3	Burgess Pl, Mountainview	NJ
Judd Wire Mfg. Corp., 1-2-3	22 Ave A, Turners Falls	Mass
Kuss Industries, Inc., 2	Tacony & Lewis Sts, Philadelphia 24	Pa
Lab-Tronics, Inc., 1-2	3656 N. Lincoln, Chicago 13	Ill
Land-Air, Inc., 1-3	744 W. Wilson Ave, Chicago 31	Ill
Lenz Electric Mfg. Co., 1-2	1751 N. Western Ave, Chicago 47	Ill
LEWIS ENGINEERING CO., 2, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Missile Systems Corp., 1-2	11949 Vose St, North Hollywood	Cal
Mohawk Wire & Cable Corp., 1-2-3	320 River St, Fitchburg	Mass
Okonite Co., The, 1-2-3	Canal St, Passaic	NJ
Pacific Automation Products, Inc., 1-2-3	1000 Air Way, Glendale	Cal
Pacific Electricord Co., 2	3217 Exposition Pl, Los Angeles 18	Cal
Packard Electric Div., General Motors Corp., 1-2	312 Dana Ave, Warren	Ohio
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Phalo Plastics Corp., 1-2-3	530 Boston Trnpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., 2-3, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Plastic Wire & Cable Corp., 1-2	Jewett City	Conn
Plastoid Corp., 3	42-61 24 St, Long Island City 1	NY
Porter Co., Inc. H.K., National Electric Div., 3	Porter Bldg, Pittsburgh 19	Pa
Radio Corp of America Indl Electronic Prods, 1-2-3	Front & Cooper, Camden	NJ
Raychem Corp., 1-2-3	Oakside at Northside, Redwood City	Cal
Rego Insulated Wire Co., 1-2-3	830 Monroe St, Hoboken	NJ
Revere Corp of America Sub., Neptune Meter Co., 2	Wallingford 2	Conn
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 2-3	Nicoll & Canner Sts, New Haven 4	Conn
Rockland Insulated Wire & Cable Co., 1-2	36 Main St, Haverstraw	NY
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp., 3	640 S. Broad St, Trenton 2	NJ
Royal Electric Corp., 1-2-3	95 Grand Ave, Pawtucket	RI
Saxton Products, Inc., 1-2-3	4320 Park Ave, Bronx 57	NY
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 1-3	2201 Bay Rd, Redwood City	Cal
Southwire Co., 2-3	4 Fertilla St, Carrollton	Ga
Spectra-Strip Wire & Cable Corp., 1-2-3	P. O. Box 415, Garden Grove	Cal
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	England
Superior Cable Corp., 1-2-3	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., 1-2-3, Adv Pg 161	**Clinton**	**Mass**
TELCON, 1-3, Adv Pg 406	**P.O.Box 216, Pacific Palisades**	**Cal**
TENSOLITE INSULATED WIRE CO., INC., 3, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 1-2-3	108 E. Prospect Ave, Burbank	Cal
THERMAX WIRE CORP., 1-2, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Times Wire & Cable Co., Inc., 1-3	358 Hall Ave, Wallingford	Conn
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
U.S. Wire & Cable Corp., 1-2-3	Progress & Monroe Sts, Union 50	NJ
Univox Corp., 1-2-3	102 Warren St, New York 7	NY
Victor Electric Wire & Cable Corp., 1-2-3	618 Main St, West Warwick	RI
Whitaker Cable Corp., 1	Kansas City 16	Mo

CABLE TESTERS *See* TESTERS —*CABLE*
CABLE WRAPPINGS *See* WRAPPINGS

CADMIUM —*BARS*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Cerro De Pasco Sales Corp	300 Park Ave, New York 22	NY
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
Division Lead Co	7742 W. 61st Pl, Summit	Ill
Var-Lac Old Chemical Co	116 Broad St, New York 4	NY

CALIBRATION SERVICES *See* FREQUENCY CALIBRATION SERVICES

CALIBRATORS —*CRYSTAL*

Artronic Instrument Co	11232 Triangle Ln, Silver Spring	Md
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Ferris Instrument Co	110 Cornelia St, Boonton	NJ
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
MEASUREMENTS DIV., McGRAW-EDISON CO., Adv Pg 546	**Boonton**	**NJ**
Probescope Co	8 Sagamore Hill Dr, Port Washington	NY
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
Stratocon Corp	P.O. Box 10, Morristown	NJ

CALIBRATORS —*FREQUENCY*
1. A-F 2. MICROWAVE 3. R-F

AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 2, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 2	48 Cummington St, Boston	Mass
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
AMERAC, INC., 2, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Arkay Engineering, Inc., 1	1630 Euclid St, Santa Monica	Cal
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
BECKMAN/BERKELEY DIV., 2-3, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bristol Brass Co., 2-3	580 Broad St, Bristol	Conn
CONTROL ELECTRONICS CO., INC., 2-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
DAVEN CO., 1-3, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Decade Instrument Co., 3	P.O. Box 153, Caldwell	NJ
Dynamic Electronics, Capehart Corp., 1-2-3	87-46 123 St, Richmond Hill 18	NY
Electronic Applications, Inc., 2-3	194 Richmond Hill Ave, Stamford	Conn
Fedrick Fenske & Miller, Inc	12822 Panama St, Los Angeles	Cal
Frequency Standards, Div., Harvard Industries, Inc., 2	P.O.Box 504, Asbury Park	NJ
GENERAL RADIO CO., 1-3, Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc., 2-3	3211 S. La Cienega, Los Angeles 16	Cal
Gombos Co., Inc., John, 2	Webro Rd, Clifton	NJ
Gytex Corp., 1	3003 Pennsylvania Ave, Santa Monica	Cal
HALLICRAFTERS CO., 2-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Electronics, 3	210 S. Des Plaines St, Chicago 6	Ill
Laboratory for Electronics, Inc., 2	1079 Commonwealth, Boston 15	Mass
Micro-Now Instrument Co., 2	6340 N. Tripp Ave, Chicago 46	Ill
MICROWAVE COMPONENTS, INC., 2, Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America, 2-3	P.O. Box 278, Stamford	Conn
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
New London Instrument Co., 3	P.O. Box 189, New London	Conn
NORTHEASTERN ENGINEERING, INC., 3, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
PRD ELECTRONICS, INC., 2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Design Corp., 2	Pickard Dr, Syracuse 11	NY
Sage Laboratories, Inc., 2	3 Huron Dr, Natick	Mass
SENSITIVE RESEARCH INSTRUMENT CORP., 3, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SIERRA ELECTRONIC CORP., 1-3, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
SPERRY MICROWAVE ELECTRONICS CO., 2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Telonic Engineering Corp., 2-3	733 Broadway, Laguna Beach	Cal
VALPEY CRYSTAL CORP., 1-3, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
VARIAN ASSOCIATES, 2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Westrex Corp., Div., Litton Industries, 3	540 W. 58 St, New York 19	NY

CALIBRATORS —*METER*

Astrosystems Inc	220 E. 23rd St, New York 10	NY
Booth Co., Arthur E.	265 S. Alexandria Ave, Los Angeles 4	Cal
Bristol Brass Co	580 Broad St, Bristol	Conn
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Electrical & Physical Instrument Corp	42-19 27 St, L I City 1	NY
Exact Electronics, Inc., Marketing Div	P.O. Box 552, Portland 7	Ore
Fluke Mfg. Co., Inc., John	P.O. Box 7161, Seattle 33	Wash
Gerber Scientific Instrument Co	89 Spruce St, Hartford 1	Conn
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Hathaway Instruments, Inc	5800 E. Jewell Ave, Denver 22	Colo
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Holt Instrument Laboratories	Oconto	Wisc
JERROLD ELECTRONICS CORP., Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
MID-EASTERN ELECTRONICS, INC., Adv Pg 224	**32 Commerce St, Springfield**	**NJ**

National Instrument Labs., Inc	826 Evarts St N.E., Washington	DC
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
SENSITIVE RESEARCH INSTRUMENT CORP., Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SORENSEN & CO., INC., Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Transformers, Inc	200 Stage Rd, Vestal	NY

CALIBRATORS —*RADAR RANGE*

AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Bristol Brass Co	580 Broad St, Bristol	Conn
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Orbitran Co., Inc	11487 Woodside Ave, Lakeside	Cal
Remanco, Inc	1805 Colorado, Santa Monica	Cal
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

CALIBRATORS —*SWEEP See* GENERATORS —*SIGNAL*

CALIBRATORS —*TRANSDUCER (Incl. ACCELEROMETERS, MICROPHONES & STRAIN GAGES)*

APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Automation Industries, Inc., Datran Div	1836 Rosecrans Ave, Manhattan Beach	Cal
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Beckman Instruments, Inc., Systems Div	325 N. Muller Ave, Anaheim	Cal
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Cooper Development Corp	2626 S. Peck Rd, Monrovia	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Foxboro Co., The	Foxboro	Mass
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp	3401 Shiloh Rd, Garland	Tex
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Goodmans Industries Ltd., Axiom Works	Wembley, Middlesex, England	
Gyrex Corp	3003 Pennsylvania Ave, Santa Monica	Cal
Harris Transducer Corp	Woodbury	Conn
Hidyne Instrument & Engineering Co	309 S. Anderson St, Tullahoma	Tenn
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Photocon Research Products	421 N. Altadena Dr, Pasadena	Cal
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Unholtz-Dickie Corp	2994 Whitney Ave, Hamden 18	Conn
Wiancko Engineering Co	255 N. Halstead, Pasadena	Cal

CALIBRATORS —*VOLTAGE See* VOLTMETERS
CALIBRATORS — VSWR *See* DETECTORS —*STANDING-WAVE*

CALORIMETERS —*MICROWAVE POWER*

Aircom, Inc	48 Cummington St, Boston	Mass
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Chemalloy Electronics Corp	Gillespie Field, Santee	Cal
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
EITEL-McCULLOUGH, INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRO IMPULSE LAB., INC., Adv Pg 335	**208 River St, Red Bank**	**NJ**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Microwave Associates, Inc	Burlington	Mass
PRD ELECTRONICS, INC., Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

CAMBRIC *See* FABRIC PARTS: FABRIC
CAMERA PICKUP TUBES *See* TUBES —*CATHODE-RAY*
CAMERAS —*INFRARED See* INFRARED DEVICES

CAMERAS —*PHOTOGRAPHIC*
1. COPYING (FOR PRINTED CIRCUIT & ETCHED COMPONENT PRODUCTION) 2. DATA-RECORDING (EXCEPT OSCILLOSCOPE) 3. OSCILLOSCOPE 4. RADAR RECORDING 5. X-RAY

Abrams Instrument Corp., 2-4	606 E. Shiawassee, Lansing	Mich
ALLEGANY INSTRUMENT CO., INC., 3, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Analab Instrument Corp., 3	30 Canfield Rd, Cedar Grove	NJ
Avco, Research & Advanced Development Div., 2	201 Lowell St, Wilmington	Mass
Bach Auricon, Inc., 2-4	6924 Romaine St, Hollywood 38	Cal
Beattie-Coleman, Inc., 2-3-4-5	1000 N. Olive St, Anaheim	Cal
Beckman & Whitley, Inc., 3	913 San Carlos Ave, San Carlos	Cal
Benson-Lehner Corp., 2-3	1860 Franklin, Santa Monica	Cal
Canadian Applied Research Ltd., 2-3-4	750 Lawrence Ave, W., Toronto 19, Canada	
Chadwick Helmuth Co., 2-4	472 E. Duarte Rd, Monrovia	Cal
Chicago Aerial Industries, 3-4	1980 N. Hawthorne, Melrose Park	Ill
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Copymation, Inc., 1	5650 N. Western, Chicago 18	Ill
CURTISS-WRIGHT CORP., PRINCETON DIV., 5, Adv Pg 75	**Princeton**	**NJ**
Data Equipment Co., 2-3	923 E. 3rd St, Los Angeles 13	Cal
Dietzgen Co., Eugene, 2	2425 N. Sheffield Ave, Chicago 14	Ill
Electro-Medical Lab., Inc., 3	South Woodstock 8	Vt
Electrodynamic Instrument Corp., 2	1841 Old Spanish Trail, Houston 25	Tex
Electronic Tube Corp., 3	1200 E. Mermaid Ln, Philadelphia 18	Pa
Fairchild Camera & Instrument Corp., Defense Prods., Div., 3-4	Robbins Ln, Syosset	
Fairchild Camera &-Instrument Corp., Industrial Prods., Div., 2-3-5	580 Midland Ave, Yonkers	NY
Fedrick Fenske & Miller, Inc., 2	12822 Panama St, Los Angeles	Cal
Flight Research, Inc., 2-3-4	P.O. Box 1-F, Richmond 1	Va
Foto-Video Electronics, Inc., 2-3-4-5	36 Commerce Rd, Cedar Grove	NJ
General Aniline & Film Corp., Ansco Div., 2-4	Vestal Pkwy E., Binghamton	NY
General Electric Co., X-Ray Dept., 2-4-5	4855 Electric Ave, Milwaukee	Wisc
General Measurements Co., Inc., 2-3	1108 Beacon St, Newton Highlands 61	Mass
Geotechnical Corp., 2-3	3401 Shiloh Rd, Garland	Tex
Goerz American Optical Co., C.P., 1-2-3-4	461 Doughty Blvd, Inwood 96	NY
Gordon Enterprises, 2-3-4-5	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Grass Instrument Co., 3	101 Old Colony Ave, Quincy	Mass
Hathaway Instruments, Inc., 3	5800 E. Jewell Ave, Denver 22	Colo
HEWLETT-PACKARD CO., 3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Houston Fearless Corp., 2	11801 W. Olympic Blvd, Los Angeles 64	Cal
ITT Federal Div., ITT, 4	100 Kingsland Rd, Clifton	NJ
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
Land-Air, Inc., 5	7444 W. Wilson Ave, Chicago 31	Ill
Librascope Div., General Precision, Inc., 2	808 Western Ave, Glendale 1	Cal
Mast Development Co., Inc., 2-3-4	2212 E. 12th St, Davenport 20	Iowa
Maurer, Inc., J.A., 2-3-4	37-01 31st St, Long Island City 1	NY
Naz-Dar Co., 1	465 Milwaukee Ave, Chicago 10	Ill
Optomechanisms, Inc., 2-3-4	216 E. Second St, Mineola	NY
PANORAMIC RADIO PRODUCTS, INC., 3, Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Par Products Corp., 2-3	602 Colorado Ave, Santa Monica	Cal
Paragon-Revolute Div of Charles Bruning Co., Inc	71 South Ave, Rochester 4	NY
Philips Electronic Instruments, 5	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V., 3	Eindhoven, Netherlands	
Photographic Instrumentation Devel Co., 2-3-4	19458 Ventura Blvd, Tarzana	Cal
Printronics Corp., 1	3127 El Camino Real, Palo Alto	Cal
Producers Sales, 2-4	820 S. Mariposa, Burbank	Cal
Radio Corp of America Indl Electronic Prods, 5	Front & Cooper, Camden	NJ
Rank Cintel Ltd., 4	Worsley Bridge Rd, London S.E. 26, England	
RIBET DESJARDINS, 3, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
Royal Zenith Corp., 1	180 Varick St, New York 14	NY
Southern Instruments, Ltd., 2-3	Frimley Rd, Camberley, Surrey, England	
Specialties, Inc., 4	Skunks Misery Rd, Syosset	NY
Strand Engineering Co., 4	1354 N. Main St, Ann Arbor	Mich
TELECHROME MFG. CORP., 3, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Television Specialty Co., 2-3-5	350 W. 31 St, New York 1	NY
Tracerlab, Inc., 5	1601 Trapelo Rd, Waltham 54	Mass
WESTINGHOUSE ELECTRIC CORP., 5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 2-4	540 W. 58 St, New York 19	NY
X-Ray Products Corp., 5	7829 Industry Ave, Pico-Rivera	Cal

CAMERAS — TV

Argus Cameras, Inc., subsidiary of Sylvania	405 4th St, Ann Arbor	Mich
Blonder-Tongue Laboratories, Inc	Dept EBG, 9 Alling St, Newark 2	NJ
Dage TV Div., Thompson-Ramo-Wooldridge	W. Tenth St, Michigan City	Ind
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Flight Research, Inc	P.O. Box 1-F, Richmond 1	Va
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
GPL Div., General Precision, Inc	63 Bedford Rd, Pleasantville	NY
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Goerz American Optical Co., C.P.	461 Doughty Blvd, Inwood 96	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Grimson Color, Inc	381 4th Ave, New York 16	NY
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
Intercontinental Electronics	1551 Franklin Ave, Mineola	NY
Intl Tel & Tel Corp., Industrial Products Div	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Resitron Laboratories, Inc	2908 Nebraska Ave, Santa Monica	Cal
Sarkes Tarzian, Broadcast Equipment Div	E. Hillside Dr, Bloomington	Ind
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Television Specialty Co	350 W. 31 St, New York 1	NY
Vicon Corp., Div., Insul-8-Corp	1369 Industrial Rd, San Carlos	Cal

CAMS & GEARS-ANALOG COMPUTER FEED *(Incl. NONCIRCULAR GEARS)*

Atlas Precision Products Co	3801 Castor Ave, Philadelphia 24	Pa
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
CUNNINGHAM INDUSTRIES, INC., Adv Pg 486	**56 Hubbard Ave, Stamford**	**Conn**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
DeLandri Prec. Elements Co., Inc	39 School St, Yonkers	NY
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Ferro Powdered Metals, Inc	P.O. Box 312E, Salem	Ind
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Gear Specialties, Inc	2635 W. Medill Ave, Chicago 47	Ill
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Industrial Engravers, Inc	2212 McDonald Ave, Brooklyn 23	NY
Instru-Lec Corp	520 Homestead Ave, Mt. Vernon	NY
Instrument Gear Works, Inc	4624 N. Oketo, Chicago 31	Ill
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Perkins Machine & Gear Co	West Springfield	Mass
POLYMER CORP., Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY

Research Development Manufacture Inc	429 E. Collom St, Philadelphia 44	Pa
Servo Development Corp	567 Main St, Westbury	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
United Fabricators Electronics, Inc	Stillwater	Minn
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal
Washington Machine & Tool Works, Inc	13111 Wayzata Blvd, Minneapolis	Minn
Western Gear Corp., Electro Prods. Div	132 W. Colorado, Pasadena 1	Cal
Zagora Gears, Inc	1327 S. Mint St, Charlotte 3	NC

CAN LINERS *See* **INSULATORS** *—CAN LINER*

CANS *See Also* **CASES** *—DIODE & TRANSISTOR:* **HOUSINGS**

Algo, Inc	251 West St, South Hackensack	NJ
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
American Aluminum Co	230 Sheffield St-C, Mountainside	NJ
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Concertapes, Inc	P.O. Box 88, Wilmette	Ill
Ellis & Sons, Inc., George D.	4002 N. American St, Philadelphia 40	Pa
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Great Eastern Metal Products Co	22 Woodworth Ave, Yonkers	NY
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
HUDSON TOOL & DIE CO., INC., Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
Masonware Co	Dexter Rd, East Providence 14	RI
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Olympic Products Co., Inc	Third Ave, Alpha	NJ
Repath Pacific Div., Arnold Engineering Co	641 E. 61 St, Los Angeles 1	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
SEXTON CAN CO., INC., Adv Pg 498	**31 Cross St, Everett 49**	**Mass**
Silicone Seals, Inc	3694 Milwaukee Ave, Chicago 41	Ill
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Stone City Products Co	1206-7th St, Box 351, Bedford	Ind
Sun Tube Corp	181 Long Ave, Hillside	NJ
Tayloreel Corp	185 Murray St, Rochester	NY
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

CAPACITANCE BRIDGES *See* **BRIDGES**
CAPACITANCE COMPARATORS *See* **COMPARATORS**
CAPACITANCE METERS *See* **BRIDGES: METERS**
CAPACITANCE-OPERATED CONTROLS *See* **CONTROLS** *—CAPACITANCE-OPERATED:* **CONTROLS** *—DOOR*
CAPACITANCE STANDARDS *See* **STANDARDS**
CAPACITOR ANALYZERS *See* **TESTERS** *—CAPACITOR*
CAPACITOR BOARDS *See* **BOARDS** *—CAPACITOR*
CAPACITOR BOXES *See* **BOXES** *—DECADE & EIA VALUES*

CAPACITOR DISKS *—CERAMIC, PRINTED-CIRCUIT*

Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Dilectron Div., Bestran Corp	2669 S. Myrtle Ave, Monrovia	Cal
Electro-Ceramics, Inc	120 State St, New Haven	Conn
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Muter Co	1255 S. Michigan, Chicago 5	Ill
Solar Mfg. Corp	4553 Seville Ave, Los Angeles 58	Cal
Stalwart Rubber Co	160 Northfield Rd, Bedford	Ohio
Tingstol Co	1340 W. Fullerton, Chicago 14	Ill

CAPACITOR FILMS *See* **PLASTICS** *—FILM*
CAPACITOR-MANUFACTURING MACHINES *See* **MACHINES** *—CAPACITOR-MANUFACTURING*
CAPACITOR PAPER *See* **PAPER**

CAPACITORS *—FIXED*
1. CERAMIC 2. COMPOSITION 3. ELECTROLYTIC 4. ELECTROLYTIC, SUBMINIATURE 5. ENERGY-STORAGE 6. FEED-THROUGH 7. GAS-FILLED 8. GLASS 9. HERMETICALLY SEALED 10. HIGH-VOLTAGE 11. MICA 12. MOTOR-STARTING 13. OIL-FILLED 14. PAPER 15. PAPER, METALLIZED 16. PARALLEL R-C 17. PLASTIC FILM (MYLAR, POLYSTYRENE, TEFLON, ETC) 18. PLASTIC FILM, METALLIZED 19. POWER-FACTOR 20. PRECISION AIR 21. PULSE-FORMING NETWORKS 22. SILICONE-FILLED 23. SILVERED-MICA 24. STAND-OFF 25. TANTALUM 26. TEMPERATURE-COMPENSATING 27. VACUUM

AEG, 10-12	Hochhaus Sued, Frankfurt/Main, Germany	
Aerovox Corp., 1-2-3-4-5-6-9-10-11-12-13-14-15-16-17-18-19-21-23-24-25-26	740 Belleville Ave, New Bedford	Mass
Airborne Accessories Corp., 6-11-15-17	1414 Chestnut Ave, Hillside	NJ
AIRFLYTE ELECTRONICS CO., 5-6, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
ALLEN AVIONICS INC., 1-26, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
Allen-Bradley Co., 1-6-24-26	136 W. Greenfield Ave, Milwaukee 4	Wisc
American Capacitor Co., 1-11	32 High St, Amesbury	Mass
AMERICAN LAVA CORP., 1-6-10-26, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
American Machine & Foundry Co., Government Products Group, 1	1701 K St, N.W., Washington 6	DC
Amflex Products Dept., Amer Mach & Fdry Co., 17-18	689 Hope St, Springdale	Conn
AMP, INC., 10-13-14-15-21-22-26, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Amp Inc., Capitron Div., 17	155 Park St, Elizabethtown	Pa
ARCO ELECTRONICS, INC., 2-5-9-10-16-17-23-26, Adv Pg 324	**64 White St, New York 13**	**NY**
Argonne Electronics Mfg. Corp., 1-3-4-5-6-13-14-15-20	165-11 South Rd, Jamaica 33	NY
Artronic Instrument Co., 21	11232 Triangle Ln, Silver Spring	Md
Astron Corp., 1-3-4-5-6-9-10-12-13-14-15-16-17-18-19-22-24-25-26	255 Grant Ave, East Newark	NJ
Aviation Electric, Ltd., 25	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avnet Electronics Corp., 1-2-3-4-5-6-11-12-13-14-15-17-18-23-25	70 State St, Westbury	NY
AXEL BROTHERS, INC., AXEL ELECTRONICS, 5-6-9-13-14-19-21-22, Adv Pg 524	**134-20 Jamaica Ave, Jamaica**	**NY**
Balco Research Labs., 5-9-10-17-18	49-53 Edison Pl, Newark 2	NJ
Barco, Inc., 4-25	Box 1222, Milwaukee 1	Wisc
Bendix Aviation Corp., Cincinnati Div., 18	3130 Wasson Rd, Cincinnati 8	Ohio
Bonny Mfg. Corp., 17	146 Main St, Maynard	Mass
British Radio Electronics, Ltd., 3-4-23	1833 Jefferson Pl, N.W., Wash 6	DC
CAMBRIDGE THERMIONIC CORP., 1-6-24, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Capcon, Inc., 2-4-6-9-10-13-14-15-17-18-22	61 Stanton St, New York 2	NY
CARBORUNDUM CO., LATROBE PLANT, 1, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1-6-10-16-24-26, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Chemtronic Corp., 3	309 11th Ave, S., Nashville 4	Tenn
CHICAGO CONDENSER CORP., 6-10-12-13-14-15-17-18-19-21-24, Adv Pg 543	**3255 W. Armitage Ave, Chicago 47**	**Ill**
Communication Equipment & Engineering, 1-2-9	5648 W. Race Ave, Chicago	Ill
Component Research Co., 8-9-10-17-18-20-26	3019 S. Orange Dr, Los Angeles 16	Cal
Condenser Products Div., New Haven Clock & Watch Co., 5-9-10-12-13-14-17-21-22	140 Hamilton St, New Haven	Conn
CONTROL ELECTRONICS CO., INC., 21, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 8-9-10, Adv Pg 485	**550 High St, Bradford**	**Pa**
Corson Electric Mfg. Corp., 5-9-10-11-13-14-17-21	540 39th St, Union City	NJ
COSMIC RADIO CORP., 3-4-14, Adv Pg 538	**853 Whittier St, New York 59**	**NY**
Dearborn Electronic Labs., Inc., 2-5-8-9-10-12-13-14-17-18-19-22	1421 N. Wells St, Chicago 10	Ill
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 17, Adv Pg 467	**Drawer 2666, Jackson**	**Miss**
Dilectron Div., Bestran Corp., 1-10-26	2669 S. Myrtle Ave, Monrovia	Cal
DOLINKO & WILKENS, INC., 10-27, Adv Pg 538	**1901-7 Summit Ave, Union City**	**NJ**
Double "E" Products Co., 15-17-18-22	208 Standard St, El Segundo	Cal
Du-Co Ceramics Co., 1	1050 Main St, Saxonburg	Pa
Dumont-Airplane & Marine Instru, Inc., 3-13-14-22	P.O. Box 92, Clearfield	Pa
EIR Corp., 3-4	5177 Overland Ave, Culver City	Cal
Eastern Jewel Corp., 3	Plainview	NY
EFCON, INCORPORATED, 3-4-9-10-14-15-17-18-25-26, Adv. Pgs. 226, 227	**Patterson Pl, Roosevelt Fld, Garden City**	**NY**
ELECTRA MFG. CO., ELECTRONICS DIV., 1-10-26, Adv Pg 60	**4051 Broadway, Kansas City**	**Mo**
Electro Capacitors Co., 3-5-9-12	10132 Edes Ave, Oakland 3	Cal
Electro-Ceramics, Inc., 1-6-10-24-26	120 State St, New Haven	Conn
ELECTRO MOTIVE MFG. CO., 1-6-11-14-23, Adv Pg 229	**S. Park & John St, Willimantic**	**Conn**
Electron Products, Div of Marshall Industries, 9-10-13-14-15-17-18	430 N. Halstead St, Pasadena	Cal
Electronic Components Div., Telecomputing Corp., 1-6-21	14706 Arminta St, Van Nuys	Cal
Emeloid Co., Inc., 17	1239 Central Ave, Hillside 5	NJ
Enflo Corp., 17	Fellowship Rd, Rt. 73, Maple Shade	NJ
Epic, Inc., 7-10	150 Nassau St, New York 38	NY
ERIE RESISTOR CORP., 1-2-6-9-10-11-17-23-24-25-26, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fansteel Metallurgical Corp., 3-4-9-25	2200 Sheridan, N. Chicago	Ill
FAST & CO., JOHN E., 1-5-9-10-12-13-14-15-17-18-19-21-22, Adv Pg 532	**3596 N. Elston Ave, Chicago 18**	**Ill**
Fedtro, Inc., 4	Fed Electr Bldg, Rockville Centre	NY
FILM CAPACITORS, INC., 10-13-14-15-17-18-19-22-26, Adv Pg 472	**3400 Park Ave, New York 56**	**NY**
Filmohm Corp., 23	48 W. 25 St, New York 10	NY
Filtron Co., Inc., 5-6-9-10-12-13-14-15-17-18-19-21-22	131-15 Fowler Ave, Flushing	NY
Franklin Fibre Lamitex Corp., 17-18	P.O. Box 1768, Wilmington	Del
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2-3-4-5-6-9-10-11-12-13-14-17-19-21-25, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Plastics Corp., 17	P.O. Box 1689, Paterson	NJ
General Products Corp., 9-14-17	107 Salem St, Union Springs	NY
GENERAL RADIO CO., 11-17-20-23, Adv Pg 285	**West Concord**	**Mass**
Geotronic Labs., Inc., 9-17-18-22	1314 Cedar Hill Ave, Dallas 8	Tex
Girard-Hopkins, 9-12-13-14-17-19	1000-40th Ave, Oakland 1	Cal
Good-All Electric Mfg. Co., 1-3-4-9-14-15-17-18	112 W. First St, Ogallala	Neb
Greenfield Components Corp., 9	184 Shelburne St, Greenfield 16	Mass
Gudeman Co., The 3-5-6-9-10-12-13-14-15-17-18-19-22-26	340 W. Huron St, Chicago 10	Ill
Gulton Industries, Inc., 1-26	212 Durham Ave, Metuchen	NJ
Hake Products, Inc., 15-16	6152 Wasigo Dr, Cincinnati	Ohio
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 21	P.O. Box 978, Garland	Tex
Hopkins Engineering Co., 6-9-14-15-17-18-19	12900 Foothill Blvd, San Fernando	Cal
ILLINOIS CONDENSER CO., 1-3-4-5-9-10-12-13-14, Adv Pg 267	**1616 N. Throop St, Chicago 22**	**Ill**
Indi Condenser Corp., 3-5-9-12-13-14-17-18-19	3243 N. California Ave, Chicago 18	Ill
INTERELECTRONICS CORP., 2-5-9-10-12-15-17-18-19, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Electronic Ind, Inc., 3-4-6-25	Berry Rd & Fessey Pk, Nashville	Tenn
Intl Tel & Tel Corp., Components Div., Semiconductor Dept., 25	P.O. Box 412, Clifton	NJ
Jeffers Electronics Div., Speer Carbon Co., 2	Hoover Ave, DuBois	Pa
JENNINGS RADIO MFG. CORP., 10-27, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
Johnson Matthey & Mallory Ltd., 3-4-25	110 Industry St, Toronto, Ontario, Canada	
Laminated Sheet Products Corp., 17	449 Neponset St, P.O. Box 390, Norwood	Mass
LAPOINTE INDUSTRIES, INC., 20, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
LAPP INSULATOR CO., INC., RADIO SPECIALTIES DIV., 7-10, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Leclanche S.A., 1-2-3-4-9-10-12-13-14-18-19-21-25	Yverdon, Switzerland	
Leeds & Northrup Co., 20-23	4970 Stenton Ave, Philadelphia 44	Pa
Lindgren & Associates, Erik A.	4515 N. Ravenswood Ave, Chicago	Ill
Long, Inc., Thomas J., 17	215 Stonehinge Ln, Carle Place	NY
Luther Electronic Mfg. Co., 5-9-10-13-14-17-21-22	5728 W. Washington Blvd, Los Angeles 16	Cal
M.E.C. Inc., 3-4-5	796 Berry Rd, Nashville	Tenn
Magnavox Co., 3	2131 Bueter Rd, Fort Wayne	Ind
Maida Development Co., 1-6-10-24-26	214 Academy St, Hampton	Va
Mallory & Co., Inc., P.R., 1-3-4-5-6-9-10-12-13-14-19-25-26	34 S. Gray St, Indianapolis 6	Ind
Marstan Electronics Corp., 26	204 Babylon Trnpk, Roosevelt	NY
Materials for Electronics, Inc., 1-25	152-25 138 Ave, Jamaica 34	NY
Metavac, Inc., 23	45-68 162 St, Flushing 58	NY
Mica Fabricating Co., 11-17-18-23	53 Central Ave, Rochelle Park	NJ
Micamold Electronics Mfg. Corp., 3-6-10-11-13-15-17-25	65 Gouverneur St, Newark 4	NJ
Mitronics, Inc., 23	1290 Central Ave, Hillside	NJ
MUCON CORP., 1-26, Adv Pg 395	**9 St. Francis St, Newark 5**	**NJ**
Muirhead & Co., Ltd., 11-14	Beckenham, Kent, England	

Mullard Equipment, Ltd., 20	Torrington Pl, London W.C. 1, England	
Mullenbach Div., Electric Machinery Mfg. Co., 1	2100 E. 27 St, Los Angeles 58	Cal
Muter Co., 1-6-24-26	1255 S. Michigan, Chicago 5	Ill
NATIONAL RADIO CO., 1, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
New England Scientific Instruments Co., 7	238 Main St, Cambridge 42	Mass
New York Coil Co., Inc., 14-17	Phoenixville 12	Pa
Nippon Electric Co., Ltd., 15-17-23-25-27	Shiba-Mita, Tokyo, Japan	
Ohmite Mfg. Co., 3-4-25	3601 Howard St, Skokie	Ill
Onondaga Electronics Div., Speer Carbon Co., 1-10-16-26	1810 W. Fayette St, Syracuse 1	NY
Packard-Bell Electronics Corp., Technical Products Div., 1	12333 W. Olympic Blvd, Los Angeles 64	Cal
Pimex, Inc., 17	18 E. 60th St, New York 22	NY
Planet Mfg Corp., 3	225 Belleville Ave, Bloomfield	NJ
Plastic Capacitors, Inc., 5-9-10-12-13-14-15-16-17-18-19-21-22-26	2620 N. Clybourn Ave, Chicago 14	Ill
POLYMER CORP., 17, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Potter Co., The, 5-6-9-10-13-14-15-16-17-18-26	1950 Sheridan Rd, North Chicago	Ill
Precision Electronics, Inc., 18	9101 King St, Franklin Park	Ill
Pyramid Electric Co., 3-4-5-6-9-10-12-13-14-15-17-18-25	Orange St, Darlington	SC
Quality Components, Inc., 2	St. Marys	Pa
Radiation Research Corp., 5-17	1114 First Ave, New York 21	NY
Radio City Products Co., Inc., 15	Centre & Glendale Sts, Easton	Pa
Radio Frequency Co., Inc., 13	44 Park St, Medfield	Mass
Radio Industries, Inc., 1-6-19-26	666 Garland Pl, Des Plaines	Ill
RADIO MATERIALS CO., DIV OF P.R. MALLORY & CO., INC., 1, Adv Pg 427	**3325 N. California Ave, Chicago 18**	**Ill**
Resitron Laboratories, Inc., 8-27	2908 Nebraska Ave, Santa Monica	Cal
Rohde & Schwarz, USA, Inc., 10-20	P.O. Box 275, Passaic	NJ
Safe-T-Mike Corp., 3-5-12-13-14	2904 Chapman St, Oakland 1	Cal
San Fernando Electric Mfg. Co., 5-6-9-13-14-15-16-17-18-22	1509 First St, San Fernando	Cal
Sangamo Electric Co., 3-4-5-6-9-10-11-12-13-14-15-17-19-21-22-23-26	1201 N. 11 St, Springfield	Ill
Schjeldahl Co., G.T., 17-18	P.O. Box 170, Northfield	Minn
SCINTILLA DIV., BENDIX AVIATION CORP., 5-9-10-11-19-21, Adv Pg 363	**Sidney**	**NY**
Shamban & Co., W.S., 17-18	11617 W. Jefferson Blvd, Culver City	Cal
Solar Mfg. Corp., 1-10-24-26	4553 Seville Ave, Los Angeles 58	Cal
SOUTHERN ELECTRONICS CORP., 9-10-17-18, Adv Pg 317	**150 W. Cypress Ave, Burbank**	**Cal**
Sparta Mfg. Co., 17	P.O. Box 107, Dover	Ohio
Sprague Electric Co., 1-3-4-5-6-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-25-26	125 Marshall St, North Adams	Mass
Sprague of Wisconsin, Inc., 1-26	6th & Beech St, Grafton	Wisc
Stackpole Carbon Co., 2	201 Stackpole St, St. Marys	Pa
Standard Condenser Co., 9-10-13-14-15-17-18-19	3749 N. Clark St, Chicago 13	Ill
STANDARD PRESSED STEEL CO., 3-4-25, Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
Standard Telephones & Cables, Ltd., 3-4-6-7-9-10-11-12-13-14-15-16-17-18-19	63 Aldwych, London W. C. 2	England
Sullivan Ltd., H.W., 11-20-23	80 Shore Rd, Port Washington	NY
SYNCOR PRODUCTS CO., 10, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**
Tansitor Electronics Co., 3-4-25	West Rd, Bennington	Vt
TECHNICAL APPARATUS BUILDERS, 1-3-10-11-13-14-23-27, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Telecomputing Corp., 1-21-25-26	915 N. Citrus Ave, Hollywood	Cal
Telegraph Condenser Co., Ltd., 1-2-3-4-5-6-9-10-11-12-13-14-15-17-18-19-20-21-23-24-25-26	Wales Farm Rd, Acton London W. 3	England
Texas Capacitor Co., Div., K.C.K. Corp., 9-17-18	4310 Langley Rd, Houston 16	Tex
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 3-4-9-10-25, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Topic Inc., 1-3-4-10-15-17-18	Natick Industrial Center, Natick	Mass
United Electronic Mfg. Corp., 3	542 39th St, Union City	NJ
United Mineral & Chemical Corp., 1-3-4-6-11	16 Hudson St, New York 13	NY
U.S. SEMICONDUCTOR PRODUCTS, DIV., UNITED INDUSTRIAL CORP., 25, Adv Pg 201	**3450 W. Osborn Rd, Phoenix**	**Ariz**
Universal Condenser Co., 5-6-9-10-13-14-15-17-18-22	3435 N. Kimball Ave, Chicago 18	Ill
VITRAMON, INC., 1-6-16-21-24, Adv Pg 58	**P.O. Box 544, Bridgeport 1**	**Conn**
Wayne Kerr Corp., 7-20	1633 Race St, Philadelphia 3	Pa
Wells Co., Inc., Gary, 3-4-12	361 Rockaway Ave, Valley Stream	NY
Wesco Electrical Co. Inc. 9-10-13-14-15-17-18-22-26	27 Olive St, Greenfield	Mass
Zenith Radio Corp., 1	6001 Dickens Ave, Chicago 39	Ill

CAPACITORS —*VARIABLE*

1. COAXIAL 2. PRECISION CALIBRATED AIR 3. TRIMMER, AIR 4. TRIMMER, CERAMIC 5. TRIMMER, GLASS OR QUARTZ 6. TRIMMER MICA 7. TRIMMER, VACUUM OR GAS-FILLED 8. TUNING, RECEIVING 9. TUNING, TRANSMITTING 10. VERNIER 11. VOLTAGE-VARIABLE

Aerovox Corp., 4	740 Belleville Ave, New Bedford	Mass
Aetna Electronics Corp., 9	Readington Rd, North Branch	NJ
All Star Products, Inc., 3-8-10	P.O. Box 487, Defiance	Ohio
ALLEN AVIONICS INC., 4, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
AMERICAN LAVA CORP., 4, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
ARCO ELECTRONICS, INC., 6, Adv Pg 324	**64 White St, New York 13**	**NY**
Argonne Electronics Mfg. Corp., 3-10	165-11 South Rd, Jamaica 33	NY
Atlee Components, Inc., 5	8220 Lankershim Blvd, N. Hollywood	Cal
ATLEE CORP., 3-4-5, Adv Pg 507	**47 Prospect St, Woburn**	**Mass**
Barker & Williamson, 9	Canal & Beaver Sts, Bristol	Pa
British Radio Electronics, Ltd., 3	1833 Jefferson Pl, N.W., Wash 6	DC
Bud Radio, Inc., 3-9	2118 East 55th St, Cleveland 3	Ohio
CAMBRIDGE THERMIONIC CORP., 4-5, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Cardwell Condenser Corp., 2-3-8-9	80 E. Montauk Hwy, Lindenhurst	NY
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 4, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Component Research Co., Inc., 1-3-4-5-10	3019 S. Orange Dr, Los Angeles 16	Cal
Condenser Products Div., New Haven Clock & Watch Co., 1	140 Hamilton St, New Haven	Conn
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 5, Adv Pg 485	**550 High St, Bradford**	**Pa**
Crystalonics, Inc., 11	249 Fifth St, Cambridge	Mass
Don-Lan Electronics, Inc., 1	1101 Olympic, Santa Monica	Cal
Electro-Ceramics, Inc., 4-5	120 State St, New Haven	Conn
ELECTRO MOTIVE MFG. CO., 6, Adv Pg 229	**S. Park & John St, Willimantic**	**Conn**
English Electric Valve Co., Ltd., 9	Chelmsford, Essex, England	
ERIE RESISTOR CORP., 4-8, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fastex Div., Illinois Tool Works, 4	195 Algonquin Rd, Des Plaines	Ill
GENERAL INSTRUMENT CORP., SEMICONDUCTOR DIV., 11, Adv Pg 458	**65 Gouverneur St, Newark 4**	**NJ**
GENERAL RADIO CO., 1-2, Adv Pg 285	**West Concord**	**Mass**
Good-All Electric Mfg. Co., 1	112 W. First St, Ogallala	Neb
Hammarlund Mfg. Co., 2-3-8-9-10	460 W. 34th St, New York 1	NY
HUGHES SEMICONDUCTOR DIV., 11, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
Industron Corp., 9	55 Needham St, Newton Highlands	Mass
INTERNATIONAL RECTIFIER CORP., 11, Adv. Pgs. 142, 143	**233 Kansas St, El Segundo**	**Cal**
J.F.D. ELECTRONICS CORP., 4-5-7-8, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Jackson Bros (London) Ltd., 2-3-8-9-10	258 Broadway, New York 7	NY
JENNINGS RADIO MFG. CORP., 7, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
Johanson Mfg. Corp., 2-3-4-5-8-9-10	P.O. Box 329, Boonton	NJ
Johnson Co., E.F., 3-9	Waseca	Minn
LAPOINTE INDUSTRIES, INC., 2-3-8-9-10, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
LAPP INSULATOR CO. INC. RADIO SPECIALTIES DIV., 7-9-11, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Leeds & Northrup Co., 2	4970 Stenton Ave, Philadelphia 44	Pa
McCOY ELECTRONICS CO., 8-9, Adv Pg 282	**Mt. Holly Springs**	**Pa**
Maida Development Co., 4	214 Academy St, Hampton	Va
Marsland Engineering, Ltd., 3-5-8	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp., 1-11	204 Babylon Trnpk, Roosevelt	NY
Materials for Electronics, Inc., 2-3-7	152-25 138 Ave, Jamaica 34	NY
Mica Fabricating Co., 6	53 Central Ave, Rochelle Park	NJ
Microwave Associates, Inc., 11	Burlington	Mass
Millen Mfg. Co., James, 1-3-6-8-9-10	150 Exchange St, Malden	Mass
Mitronics, Inc., 4	1290 Central Ave, Hillside	NJ
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Muter Co., 4	1255 S. Michigan, Chicago 5	Ill
NATIONAL RADIO CO., 2-3, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
OAK MFG. CO., 8, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Radio Condenser Co., 2-3-8-9	Camden	NJ
Rohde & Schwarz, USA, Inc., 2	P.O. Box 275, Passaic	NJ
Sarkes Tarzian, Inc., Air Trimmer Div., 3-4	E. Hillside Dr, Bloomington	Ind
Sickles F.W., Div., General Instrument Corp., 3	165 Front St, Chicopee	Mass
Solar Mfg. Corp., 4	4553 Seville Ave, Los Angeles 58	Cal
SOUTHERN ELECTRONICS CORP., 2, Adv Pg 317	**150 W. Cypress Ave, Burbank**	**Cal**
Sullivan Ltd., H.W., 2	80 Shore Rd, Port Washington	NY
Taffet Electronics, Inc., 2-3	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
TELECHROME MFG. CORP., 2-3-8-9, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telegraph Condenser Co., Ltd., 4	Wales Farm Rd, Acton London W. 3	England
TRANSITRON ELECTRONIC CORP., Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
United Electronics Co., 7-9	42 Spring St, Newark 2	NJ
VACAP CORP., 7-9, Adv Pg 394	**1905 Summit Ave, Union City**	**NJ**
Wells Co., Inc., Gary, 8	361 Rockaway Ave, Valley Stream	NY

CAPACITOR TESTERS See TESTERS —*CAPACITOR*

CAPS —*CONNECTOR*

Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
Clover Industries, Inc	584 Young St, Tonawanda	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Rayclad Tubes, Inc	Oakside at Northside, Redwood City	Cal

CARBON BRUSHES See BRUSHES
CARBON RESISTORS See RESISTORS —*COMPOSITION*
CARBON SEALS See SEALS —*MECHANICAL*
CARCINOTRON AMPLIFIERS See AMPLIFIERS —*MICROWAVE*
CARCINOTRONS See TUBES —*MICROWAVE*
CARDBOARD See PACKAGING MATERIALS

CARDIAC EQUIPMENT

1. CARDIAC DEFIBRILLATORS 2. CARDIAC MONITORS-AUDIO 3. CARDIAC PACEMAKERS 4. CARDIOGRAPHS 5. CARDIOSCOPES

Allen Electric & Equipment Co., 2	2101 N. Pitcher St, Kalamazoo	Mich
AMERICAN ELECTRONIC LABS., INC., 2, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Geloso Electronics, 4	251 Park Ave S., New York	NY
Atronic Products, Inc., 2-3	1 Bala Ave, Bala-Cynwyd	Pa
Biophysical Electronics, Inc., 2	New Hope	Pa
BIRTCHER CORP., 1-2-3-4-5, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Catalyst Research Corp., 1	6101 Falls Rd, Baltimore 9	Md
CRESCENT ENGINEERING & RESEARCH CO., 2, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Dallons Semiconductors Div., 1-2-3-4-5	5066 Santa Monica, L A 29	Cal
Electrodyne Co., 1-2-3-5	Endicott St, Norwood	Mass
Ensco, Inc., 1-2-3-5	3100 Eldredge St, Salt Lake City	Utah
Essential Electronics Corp., 5	1011 Power Ave, Cleveland 14	Ohio
Farrall Instrument Co., 1-5	Box 658, Grand Island	Neb
General Electric Co., X-Ray Dept., 4	4855 Electric Ave, Milwaukee	Wisc
Good Electronic Corp., 2	P.O. Box 2406, W. Palm Beach	Fla
Grass Instrument Co., 4	101 Old Colony Ave, Quincy	Mass
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
Industrial Development Labs., Inc., 4	982 River Rd, Edgewater	NJ
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
Medistor Instrument Co., 4-5	1443 Northlake Way, Seattle 3	Wash
Mooradian High Frequency Labs., 1	13 E. Fort Lee Rd, Bogota	NJ
Nelson Instrument Co., 2	607 Howard St, Evanston	Ill
Pacific Technical Co., 1-2-3-4-5	2047 Sawtelle Blvd, Los Angeles 25	Cal
Par Products Corp., 4	602 Colorado Ave, Santa Monica	Cal
Republic Electronic Industries Corp., 1-2-3-4-5	111 Gazza Blvd, Farmingdale	NY
Tarc Electronics, Inc., 3	48 Urban Ave, Westbury	NY
Telco, Inc., 4-5	47 Rue De La Div Leclerc, Gentilly	France
Waber Electronics, Inc., 2	Hancock & Sommerset, Philadelphia 33	Pa
WATERMAN PRODUCTS CO., INC., 5, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**

CARD READERS See READERS —*PUNCHED-CARD*
CARDS —*RESISTOR* See RESISTORS
CARRIER SYSTEMS See COMMUNICATION SYSTEMS

CARTONS –*SHIPPING* See **BOXES: PACKAGING MATERIALS**
CARTRIDGES See **PICKUPS** –*PHONOGRAPH*

CASES –*DIODE & TRANSISTOR*

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY

CASES –*PORTABLE*
1. INSTRUMENT, METER & POWER SUPPLY 2. RADIO, PHONOGRAPH, AMPLIFIER, TAPE RECORDER & TRANSCEIVER

ABALON PRECISION MFG CORP., 1-2, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Acme Tool & Specialties Co., 1-2	224 N. Loomis St, Chicago 7	Ill
Adalet Mfg. Co., 1	14300 Lorain Ave, Cleveland 11	Ohio
Algo, Inc., 1-2	251 West St, South Hackensack	NJ
Allen Electric & Equipment Co., 1	2101 N. Pitcher St, Kalamazoo	Mich
Alpitec Inc., 1-2	**49 Gleason Ave, Stamford**	**Conn**
American Aluminum Co., 1	230 Sheffield St-C, Mountainside	NJ
Argos Products Co., Inc., 2	301 Main St, Genoa	Ill
Audio Electronic Corp., 1-2	1345 W. Fond Du Lac Ave, Milwaukee	Wisc
Baltic Metal Products Co., 1	126 Sutton St, Brooklyn 22	NY
Belmar Wheel & Machine Co., 1-2	1707 F St, Belmar	NJ
Bogen-Presto Div., Siegler Corp., 2	P.O. Box 500, Paramus	NJ
Brooks & Perkins, Inc., 1-2	**1950 W. Fort St, Detroit 16**	**Mich**
Bud Radio, Inc., 1	**2118 E. 55th St, Cleveland 3**	**Ohio**
Churchill Lighting Corp., 1	344 Franklin St, Melrose 76	Mass
Columbia Metal Box Co., 1	260 E. 143 St, New York	NY
CONTINENTAL-DIAMOND FIBRE CORP., 1, Adv. Pgs. 205-208	**Newark 100**	**Del**
Craftsman Cases, 1-2	285 Jay St, Brooklyn 1	NY
Croname, Inc., 1-2	6247 Haward St, Chicago 48	Ill
Cutler Metal Products Co., 1	1025 Line St, Camden	NJ
Davies Molding Co., Harry, 1	1428 N. Wells, Chicago 10	Ill
Electro-Products, Inc., 1	15050 Schaefer Hwy, Detroit 27	Mich
Electronic Enclosures, Inc., 1	3629 Holdrege Ave, Los Angeles 16	Cal
Elzee Metal Products Co., Inc., 1	779 39th St, Brooklyn 32	NY
Erwood Inc., 1	1770 Berteau Ave, Chicago 13	Ill
ESCOTRONICS, 1, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Falstrom Co., 1	44 Falstrom Ct, Passaic	NJ
Farwell Metal Fabricating, 1	87 W. Fairfield Ave, St. Paul 7	Minn
Foto-Video Electronics, Inc., 1	36 Commerce Rd, Cedar Grove	NJ
General Metal Products Co., 1	1010-14 Centre St, Easton	Pa
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Halliburton, Inc., Mfg. Div., 1	4724 S. Boyle Ave, Los Angeles 58	Cal
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc., 1	675 Garfield Ave, Jersey City 5	NJ
Horton & Hubbard Mfg. Co., 1-2	141 Canal St, Nashua	NH
Houston Fearless Corp., 1	11801 W. Olympic Blvd, Los Angeles 64	Cal
HUDSON TOOL & DIE CO., INC., 1, Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
KEYSTONE MFG. CO., 1, Adv Pg 549	**23328 Sherwood Ave, Warren**	**Mich**
Koch & Sons, Inc., H., 1	Corte Madera	Cal
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
LMB, 1	2528 W. 9th St, Los Angeles 6	Cal
Lorentzen, Inc., Levolor, 2	391 W. Broadway, New York 12	NY
Mastra Co., 1	2104 Superior Ave, Cleveland	Ohio
Metalworks Inc., 1-2	9th & Jefferson, Hermann	Mo
Mobil Electronics, Inc., 1-2	1111 State Rd 67E, Anderson	Ind
National Vulcanized Fibre Co., 1	Box 311, Wilmington 99	Del
Newberg Industrial Case Co., 1-2	61 Greenpoint Ave, Brooklyn	NY
Nutron Mfg. Co., Inc., 1	67 Monroe Ave, Staten Island 1	NY
Olympic Plastics Co., Inc., 1	3471 S. La Cienega, Los Angeles 16	Cal
P.B.R. MFG. CO., 1, Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
PREMIER METAL PRODUCTS CO., 1, Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
REF Mfg. Co., 1	Jericho Trnpk, Mineola	NY
Riester & Thesmacher Co., 1-2	1510 W. 25th St, Cleveland 13	Ohio
Rimak, Inc., 1-2	10929 Vanowen St, N. Hollywood	Cal
Scientific Wood Cabinet Co., 1-2	88 Holmes St, Belleville	NJ
Simpson Mfg. Co., Inc., Mark, 2	32-28 49th St, Long Island City 3	NY
Sparton Corp., 2	2400 E. Ganson St, Jackson	Mich
Stone City Products Co., 1	1206-7th St, Box 351, Bedford	Ind
TA Mfg. Corp., 1	4613 Alger St, Los Angeles 39	Cal
Taffet Electronics, Inc., 1	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
TELECTRO INDUSTRIES CORP., 1-2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 1	3609 Buffalo Spdwy, Houston 6	Tex
White Aircraft Corp., 1	Palmer	Mass
Whitman Saddle Mfg., Co., 1	1725 Powers St, Cincinnati 23	Ohio
Wollensak Optical Co., 2	320 E. 21st St, Chicago 16	Ill
York Metal Products, Inc., 1-2	350 Greenwich St, New York 13	NY
Zenith Plastic Co., 2	P.O. Box 91, Gardena	Cal

CASES –*TRANSIT* See **BOXES** –*SHIPPING*

CASTINGS –*METAL & ALLOY*
1. GENERAL-PURPOSE 2. PRECISION

AC SPARK PLUG DIV., GENERAL MOTORS, 2, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Airtron, Div of Litton Industries, 2	200 E. Hanover Ave, Morris Plains	NJ
Allegheny Ludlum Steel Corp., 1	2020 Oliver Bldg, Pittsburgh 22	Pa
Alpha Metals, Inc., 1-2	600 Water St, Jersey City	NJ
Aluminum Co of America, 1-2	Alcoa Bldg, Pittsburgh 19	Pa
American Chain & Cable Co., Inc., 1	601 Stephenson Bldg, Detroit 2	Mich
American Products Mfg. Co., Inc., 1	8127-33 Oleander St, New Orleans 18	La
Arwood Corp., 2	321 W. 44th St, New York 36	NY
Austenal Co., Div., Howe Sound Co., 2	224 E. 39 St, New York 16	NY
Bean & Co., Morris, 2	Hyde Rd, Yellow Springs	Ohio
Belmar Wheel & Machine Co., 1	1707 F St, Belmar	NJ
Belmont Smelting & Refining Works, 1	332 Belmont Ave, Brooklyn 7	NY
Bone Engineering Corp., 2	701 W. Broadway, Glendale 4	Cal
Division Lead Co., 1-2	7742 W. 61st Pl, Summit	Ill
Dollin Corp.	630 S. 21 St, Irvington 11	NJ
Dow Chemical Co., 1-2	Midland	Mich
The Electric Autolite Co., 1	Champlain St, Toledo 1	Ohio
Engineered Precision Casting Co., 2	Hwy 79, Morganville	NJ
Everard Tap & Die Corp., 1	213 E. 144th St, New York 51	NY
Forway Industries, Inc., 1	122 Green Ave, Woodbury	NJ
GENERAL COMMUNICATION CO., 1-2, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gordon Enterprises, 1-2	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Gorham Electronics, Div of Gorham Mfg. Co., 2	333 Adelaide Ave, Providence 7	RI
Gries Reproducer Corp., 1-2	151 Beechwood St, New Rochelle	NY
Haynes Stellite Co., Div., UCC, 1-2	1020 W. Park Ave, Kokomo	Ind
Humphrey Castings, Inc	3944 Riley St, San Diego 10	Cal
International Nickel Co., Inc., 1-2	67 Wall St, New York 5	NY
Investment Casting Co., 2	60 Brown Ave, Springfield	NJ
Jan Hardware Mfg. Co., Inc., 1-2	38-01 Queens Blvd, Long Island City 1	NY
Microdyne, Inc., 1-2	1220 Washington, Wilmette	Ill
Misco Precision Casting Co., 2	116 W. Gibbs St, Whitehall	Mich
Nelson Electric Mfg. Co., 1	P.O. Box 5385, Tulsa 16	Okla
Nilsen Mfg. Co., 2	22 N. Church, Addison	Ill
Precision Metalsmiths, Inc., 2	**1081 E. 200 St, Cleveland 17**	**Ohio**
Rea Co., Inc., J.B., 2	2202 Broadway, Santa Monica	Cal
Semi-Alloys, Inc., 2	550 S. Fulton Ave, Mt. Vernon	NY
Sims Castings Corp., 2	2174 E. Erie Blvd, Syracuse 3	NY
Tickle Engineering Works, A., 2	23 Delavan St, Brooklyn	NY
Titan Metal Mfg. Co	Bellefonte	Pa

CATHODE INTERFACE IMPEDANCE BRIDGES See **BRIDGES** –*IMPEDANCE*
CATHODE-RAY OSCILLOSCOPES See **OSCILLOSCOPES**
CATHODE-RAY TUBES See **TUBES** –*CATHODE-RAY*
CATHODE-RAY TUBE SCREEN POWDERS See **TUBE PARTS**
CATHODE-RAY TUBE SHIELDS See **SHIELDS** –*TUBE*
CATHODE-RAY TUBE TESTERS See **TESTERS** –*TUBE*
CATHODES See **TUBE PARTS**

CAVITIES –*MICROWAVE*

Adler Electronics, Inc	1 Lefevre Ln, New Rochelle	NY
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Bean & Co., Morris	Hyde Rd, Yellow Springs	Ohio
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
C.G.S. Labs., Inc	Rt 7, Wilton	Conn
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KINGS ELECTRONICS CO., INC., Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
LAPOINTE INDUSTRIES, INC., Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Millbdale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
Pitometer Log Corp	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radio Condenser Co	Camden	NJ
RAYTHEON CO. MICROWAVE & POWER TUBE DIV., Adv Pg 65	**Foundry Ave, Waltham 54**	**Mass**
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

CELLS –*PHOTOELECTRIC (NOT PHOTOTUBES)*
1. PHOTOCONDUCTIVE (Incl. SELENIUM) 2. PHOTOVOLTAIC (Incl. SELENIUM) 3. SOLAR

AEG, 1-2	Hochhaus Sued, Frankfurt/Main, Germany	
Argonne Electronics Mfg. Corp., 3	165-11 South Rd, Jamaica 33	NY
CLAIREX CORP., 1, Adv Pg 316	**19 W. 26th St, New York 10**	**NY**
Eastman Kodak Co., 1	343 State St, Rochester 4	NY
Electron-Radar Products, 1-2	4806 W. Chicago Ave, Chicago 51	Ill
Electronics Corp of America, 1	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus, 1	Bad Ragaz, Switzerland	
Energy Kontrols, Inc., 1-2-3	15 S. First St, Geneva	Ill
Epic, Inc., 1	150 Nassau St, New York 38	NY
FERRANTI ELECTRIC, INC., 3, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Flame Research, Inc., 1-3	P.O. Box 10502, Pittsburgh 35	Pa
Hill & Co., E. Vernon, 3	P.O. Box 189, Lake Geneva	Wisc
Hoffman Electronics, Semiconductor Div., 1-2-3	1001 N. Arden Dr, El Monte	Cal
INTERNATIONAL RECTIFIER CORP., 2-3, Adv. Pgs. 142, 143	**233 Kansas St, El Segundo**	**Cal**
Jem Electronics Corp., 1	743 Circle Ave, Forest Park	Ill
MULLARD OVERSEAS, LTD., 1, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
National Semiconductors Ltd., 1	230 Authier St, Montreal 9, P.Q., Canada	
Nippon Electric Co., Ltd., 3	Shiba-Mita, Tokyo, Japan	
Rank Cintel Ltd., 1	Worsley Bridge Rd, London S.E. 26, England	
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	England
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 3, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
TRANSITRON ELECTRONIC CORP., 3, Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
U.S. SEMICONDUCTOR PRODUCTS, DIV., UNITED INDUSTRIAL CORP., 3, Adv Pg 201	**3540 W. Osborn Rd, Phoenix**	**Ariz**
Wells Industries Corp., 1	6880 Troost Ave, North Hollywood	Cal

CELLS –*STANDARD*

Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass

Eppley Lab., Inc	12 Sheffield Ave, Newport	RI
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Hoffman Electronics, Semiconductor Div.	1001 N. Arden Dr, El Monte	Cal
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

CELLS —*THERMAL*

Barnes Engineering Co	30 Commerce Rd, Stamford	Conn
Catalyst Research Corp	6101 Falls Rd, Baltimore 9	Md
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Gow-Mac Instrument Co	100 Kings Rd, Madison	NJ

CELLULOSE ACETATE *See* **PLASTICS**
CELLULOSE NITRATE *See* **PLASTICS**

CEMENTS
1. CONDUCTIVE 2. HIGH-TEMPERATURE 3. INSULATING See Also **ADHESIVES: COMPOUNDS** —*POTTING*

Acme Wire Co., 1-2-3	New Haven 14	Conn
Amerconda Chemical Co., 1-2-3	170 Broadway, New York 38	NY
Baldwin-Lima Hamilton Corp., 2	42 Fourth Ave, Waltham 54	Mass
Barrett Varnish Co., 3	1532 S. 50 Court, Cicero 50	Ill
CARBORUNDUM CO., LATROBE PLANT, 2-3, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Central Coil Co., 2-3	1722 N. Luett St, Indianapolis	Ind
Ceramco Inc., Chemists, 2-3	173 Ridge St, Newark 4	NJ
Chemtronics Inc., 1-2-3	870 E. 52nd St, Brooklyn 3	NY
Colman Electronic Products, Inc., 1	P.O. Box 2965, Amarillo	Tex
Connecticut Hard Rubber Co., 2-3	407 East St, New Haven 9	Conn
du Pont de Nemours & Co., Inc., E.I., 3	Wilmington 98	Del
Duramic Products, Inc., 2-3	426 Commercial Ave, Palisades Park	NJ
Eagle-Picher Co., 3	American Bldg, Cincinnati 1	Ohio
Eastern Jewel Corp., 2-3	Plainview	NY
ELECTRO MOTIVE MFG. CO., 1, Adv Pg 229	**S. Park & John St, Willimantic**	**Conn**
Electroparts, 2-3	P.O. Box 1137, Glendale	Cal
Emerson & Cuming, Inc., 1-2-3	869 Washington St, Canton	Mass
EPOXY PRODUCTS, INC., 3, Adv Pg 84	**137 Coit St, Irvington**	**NJ**
G-C ELECTRONICS CO., 3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Electric Co., Silicone Prods Dept., 2	Dept A, Waterford	NY
Goodrich Industrial Products Co., B.F., 2	500 S. Main St, Akron 18	Ohio
HANDY & HARMAN, 1, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
INSL-X Co., Inc., 3	Water St, Ossining	NY
Insulation Manufacturers Corp., 3	565 W. Washington Blvd, Chicago 6	Ill
Isochem Resins Co., 1-2-3	221 Oak St, Providence 9	RI
Johns-Manville, 1-2-3	22 E. 40 St, New York 16	NY
Marblette Corp., 1-3	37-21-30th St, Long Island City 1	NY
Materials for Electronics, Inc., 2	152-25 138 Ave, Jamaica 34	NY
Metachem Resins Corp., 1-2-3	530 Wellington Ave, Cranston 10	RI
Micro-Circuits Co., 1	New Buffalo	Mich
Midland Industrial Finishes Corp., 2	Dept I-20, Waukegan	Ill
Norton Co., 3	1 New Bond St, Worcester 6	Mass
Sauereisen Cements Co., 1-2-3	Sauereisen Bldg, Pittsburgh 15	Pa
Smooth-On Mfg. Co., 2-3	572 Communipaw Ave, Jersey City 4	NJ
Sterling Varnish Co., 3	Haysville Borough, Sewickley	Pa
Topper Mfg. Co., Inc., 1-2-3	84-56 Parsons Blvd, Jamaica 32	NY
Trancoa Chemical Corp., 3	312-326 Ash St, Reading	Mass
United Shoe Machinery Corp., 3	140 Federal St, Boston 7	Mass
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2	Balch St, Beverly	Mass
U.S. Steel Corp., 2-3	525 Wm Penn Pl, Pittsburgh 30	Pa
WALSCO ELECTRONICS MFG. CO., 3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Zirconium Corp of America, 2-3	31501 Solon Rd, Solon 39	Ohio
Zophar Mills, Inc., 3	115 26th St, Brooklyn 32	NY

CERAMIC BEADS *See* **BEADS**
CERAMIC BOBBINS *See* **BOBBINS**
CERAMIC CAPACITOR DISKS *See* **CAPACITOR DISKS**

CERAMICS —*FOAM*

Duramic Products, Inc	426 Commercial Ave, Palisades Park	NJ
Eastern Jewel Corp	Plainview	NY
Emerson & Cuming, Inc	869 Washington St, Canton	Mass
GENERAL CERAMINCS, DIV., INDIANA GENERAL CORP., Adv Pg 471	**Keasbey**	**NJ**
Mansol Ceramics Co	140 Little St, Belleville	NJ
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY

CERAMIC FORMS *See* **FORMS** —*COIL & RESISTOR*
CERAMIC-INSULATED WIRE *See* **WIRE** —*HIGH-TEMPERATURE*
CERAMIC INSULATORS *See* **CERAMICS**
CERAMIC MAGNETIC CORES *See* **CORES** —*MOLDED MAGNETIC*
CERAMIC MAGNETS *See* **MAGNETS** —*PERMANENT*
CERAMIC SPACERS *See* **TUBE PARTS**

CERAMICS —*PORCELAIN, STEATITE, CORDIERITE, FORSTERITE & LAVA*
1. FINISHED PARTS, Incl INSULATORS 2. GRANULAR OR POWDERED 3. METALLIZED PARTS 4. RODS 5. SHEETS 6. STAMPINGS & PUNCHINGS-TUBING: **See TUBING** —*NONMETALLIC See Also* **ALUMINUM OXIDE: BERYLLIUM OXIDE: MICA** —*GLASS-BONDED:* **TITANATES**

Advanced Vacuum Products, Inc., Sub Indiana General Corp., 1	430 Fairfield Ave, Stamford	Conn
Alite Div., U.S. Stoneware Co., 1-3-4	P.O. Box 119, Orrville	Ohio
Alloys Unlimited, Inc., 6	21-03 43rd Ave, Long Island City 1	NY
Amatom Electronic Hardware Co., Inc., 1-6	88 Drake Ave, New Rochelle	NY
AMERICAN LAVA CORP., 1-3-4-5-6, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Baltic Metal Products Co., 6	126 Sutton St, Brooklyn 22	NY
Bel Fuse, Inc., 3	198 Van Vorst St, Jersey City	NJ
BIRNBACH RADIO CO., INC., 1, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
CARBORUNDUM CO., LATROBE PLANT, 1-2-3-4, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1-3-4-6, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Ceramaseal, Inc., 3	P.O. Box 25, New Lebanon Center	NY
Ceramco Inc., Chemists, 1-3	173 Ridge St, Newark 4	NJ
Cly-Del Mfg. Co., 6	42 Sharon Rd, Waterbury	Conn
Cooper Development Corp., 1	2626 S. Peck Rd, Monrovia	Cal
Coors Porcelain Co., 1-3-4	600 Ninth St, Golden	Colo
Culbertson Products, Inc., 1-3	25 Samson Ave, Madison	NJ
Diamonite Products Mfg. Co., 1	Shreve	Ohio
Du-Co Ceramics Co., 1-4	1050 Main St, Saxonburg	Pa
Duramic Products, Inc., 1-2-4-5	426 Commercial Ave, Palisades Park	NJ
The Electric Autolite Co., 1	Champlain St, Toledo 1	Ohio
Electrical Refractories Co., 1-6	50 Clark St, E. Palestine	Ohio
Electro-Chemical Engraving Co., 6	1100 Brook Ave, New York 56	NY
Emerson & Cuming, Inc., 4-5	869 Washington St, Canton	Mass
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
FERRANTI ELECTRIC, INC., 1, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Forway Industries, Inc., 6	122 Green Ave, Woodbury	NJ
Frenchtown Porcelain Co., 1-3	Frenchtown	NJ
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1-2-3-4-5-6, Adv Pg 471	**Keasbey**	**NJ**
General Components Co., 1-3-6	225-229 E. 144th, New York 51	NY
Gladding, McBean & Co., 1-3-4-5-6	1551 S. Primrose St, Monrovia	Cal
Gulton Industries, Inc., 1-2	212 Durham Ave, Metuchen	NJ
Heldor Mfg. Corp., 6	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc., 6	675 Garfield Ave, Jersey City 5	NJ
Illumitronic Engineering, 4-5	680 E. Taylor, Sunnyvale	Cal
Isolantite Mfg. Corp., 1-3-4	Stirling	NJ
Jan Hardware Mfg. Co., Inc., 1	38-01 Queens Blvd, Long Island City 1	NY
KEARFOTT DIV., GEN PRECISION, INC., 2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keystone Electronics Corp., 6	49 Bleecker St, New York 12	NY
Kirchberger & Co., Inc., M., 1	248 Humphrey St, Englewood	NJ
Laboratory Equipment Corp., 4	Lakeview & Hilltop Rd, St. Joseph	Mich
Laminated Shim Co., Inc., 6	4601 Union St, Glenbrook	Conn
LAPP INSULATOR CO. INC. RADIO SPECIALTIES DIV., 1-3-4, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Louthan Plant Refrac., Div., Ferro Corp., 1	2000 Harvey Ave, East Liverpool	Ohio
Maryland Lava Co., 1-4	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 1-2-3-4	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 1	150 Exchange St, Malden	Mass
Milwaukee Stamping Co., 6	802 S. 72 St, Milwaukee	Wisc
Mitronics, Inc., 1-3	1290 Central Ave, Hillside	NJ
MYCALEX CORP. OF AMERICA, 1-4-5, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Ceramic Co., 1-3-4-6	400 Southard St, Trenton 2	NJ
Olympic Products Co., Inc., 6	Third Ave, Alpha	NJ
Paul & Beekman, Inc., 6	1801 Courtland St, Philadelphia 40	Pa
RAYTHEON CO. MICROWAVE & POWER TUBE DIV., 1-3-4-6, Adv Pg 65	**Foundry Ave, Waltham 54**	**Mass**
Rohden Mfg. Co., Inc., 1	4739 Montrose Ave, Chicago 41	Ill
Ross Co., Milton, 3	239 Jacksonville Rd, Hatboro	Pa
SHAW INSTRUMENT CORP., 3, Adv Pg 527	**P. O. Box G-46, Latrobe**	**Pa**
Solar Mfg. Corp., 1-3	4553 Seville Ave, Los Angeles 58	Cal
Sphere Co., Inc., The, 1	25 Amity St, Little Falls	NJ
Star Porcelain Co., 1-2-4-5-6	61 Muirhead Ave, Trenton 9	NJ
Steward Mfg. Co., D.M., 1-3-4	3600 Jerrome Ave, Chattanooga 1	Tenn
Stone City Products Co., 6	1206-7th St, Bedford	Ind
SUPERIOR STEATITE & CERAMIC CORP., 1, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
SYNCOR PRODUCTS CO., 1-3, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**
Thor Ceramics, Inc., 1-3-4-5-6	225 Belleville Ave, Bloomfield	NJ
VITRAMON, INC., 1, Adv Pg 58	**P.O. Box 544, Bridgeport 1**	**Conn**
Wind Turbine Co., 1	E. Market St & Penna R.R., W. Chester	Pa
Wrought Washer Mfg. Co., 6	2264 S. Bay St, Milwaukee 7	Wisc
York Metal Products, Inc., 6	350 Greenwich St, New York 13	NY
Zirconium Corp of America, 1-2-4	31501 Solon Rd, Solon 39	Ohio

CERAMIC TUBES —*ELECTRON* **See TUBES** —*CERAMIC*
CERAMIC TUBING *See* **TUBING** —*NONMETALLIC*

CERIUM

Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Research Chemicals	1708 W. Providencia, Burbank	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CESIUM COMPOUNDS —*(FOR PHOTOTUBES)*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
Bio-Rad Laboratories	1257 S. 32nd St, Richmond	Cal
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CHAINS —*DRIVE, SMALL, LINK OR BEAD*

Auto-Swage Products, Inc	255 Canal St, Shelton	Conn
BEAD CHAIN MFG. CO., Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
Sierra Engineering Co	123 E. Montecito, Sierra Madre	Cal

CHAMBERS —*ENVIRONMENTAL TEST*
1. ACOUSTIC TEST 2. ALTITUDE 3. FUNGUS 4. MICROWAVE TEST 5. PRESSURE 6. RAIN 7. SALT SPRAY 8. SAND & DUST 9. SHIELDED SCREEN 10. SUNSHINE 11. TEMPERATURE & HUMIDITY

Ace Engineering & Machine Co., Inc., 9	Tomlinson Rd, Huntingdon Valley	Pa
Aeroflex Corp., 2-5-8-9-11	34-06 Skillman Ave, Long Island City 1	NY
Aerotest Labs, Inc., 2-3-5-6-7-8-10-11	Comac Rd, Deer Park	NY
AIR-SHIELDS, INC., 8-11, Adv Pg 163	**Hatboro**	**Pa**
Aireco, Inc., 2-11	2323 2nd Ave, Schenectady 3	NY
Airtec, Inc., 4	139 E. First Ave, Roselle	NJ
Airtronics, Inc., 11	5522 Dorsey Ln, Washington 16	DC
American Instrument Co., Inc., 2-11	8030 Georgia Ave, Silver Spring	Md
American Machine & Foundry Co., Government Products Group, 2	1701 K St, N.W., Washington 6	DC
American Research Corp., 2-3-5-6-8-10-11	Rt 6 & New Britain Ave, Farmington	Conn
Anchor Specialty Mfg. Co., Inc., 1-2-5-8-11	300 Hollister Rd, Teterboro	NJ
Anetsberger Bros., Inc., 11	158 Anets Dr, Northbrook	Ill
ASSOCIATED TESTING LABS., INC., 1-2-3-5-6-7-8-10-11, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Atlas Engineering Corp., 2-3-5-6-7-8-10-11	26 Custer St, West Hartford 10	Conn
Atmosphere Control Co., Inc., 11	5315 Chester Ave, Philadelphia 43	Pa
Avco, Res & Adv Dev Div., 1-2-3-5-7-8-11	201 Lowell St, Wilmington	Mass
Avtron Mfg. Inc., 2-11	10409 Meech St, Cleveland	Ohio

Bemco, Inc., 2-3-5-6-7-8-10-11	11631 Vanowen St, North Hollywood	Cal
Blue M Electric Co., 11	138 & Chatham, Blue Island	Ill
Budd Co., 4-11	2450 Hunting Park Ave, Philadelphia 22	Pa
Chance Vought Aircraft, Inc., 1-2-3-4-5-6-7-8-9-10-11	P.O. Box 5907, Dallas 22	Tex
CHESAPEAKE INSTRUMENT CORP., 1, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CINCINNATI SUB-ZERO PRODUCTS, 2-7-11, Adv Pg 558	**3930 E. Reading Rd, Cincinnati 29**	**Ohio**
Conrad, Inc., 2-3-5-6-7-8-10-11	141 Jefferson St, Holland	Mich
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Electric Co., 2-3-6-7-8-11	2700 Southport Ave, Chicago 14	Ill
DeHavilland Aircraft/Spec Prods Div., 2-11	Downsview, Ontario, Canada	
DELTA DESIGN, INC., 11, Adv Pg 508	**7460 Girard Ave, La Jolla**	**Cal**
Delta-F, Inc., 11	113 E. State St, Geneva	Ill
Development Engineering Co., Inc., 2-3-6-7-11	9 Crosse St, Norwalk	Conn
Electric Hotpack Co., Inc., 11	5016 Cottman St, Philadelphia 35	Pa
Emerson & Cuming, Inc., 4-9	869 Washington St, Canton	Mass
Emerson Electric Mfg. Co., 2-3-4-5-6-7-9-11	8100 Florissant Ave, St. Louis 36	Mo
Environmental Equipment Co., 2-3-5-6-7-8-10-11	371 Linden St, Brooklyn 27	NY
Flame Research, Inc., 3	P.O. Box 10502, Pittsburgh 35	Pa
Gardner Laboratories, 2-3-4-5-7-11	5521 Landy Ln, Bethesda	Md
GENERAL METERS, INC., 2-6-11, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
General Vacuum Corp., 2	400 Border St, East Boston 28	Mass
Gordon Enterprises, 2-11	5362 N. Cahuenga Blvd, N. Hollywood	Cal
GRUENBERG ELECTRIC CO., INC., 2-11, Adv Pg 556	**9 Commercial Ave, Garden City**	**NY**
GUARDITE DIV., AMERICAN MARIETTA CO., 2-3-5-6-8-10-11, Adv Pg 426	**P.O.Box 188, Wheeling**	**Ill**
Gytex Corp., 11	3003 Pennsylvania Ave, Santa Monica	Cal
Hicks Corp., 2-3-5-6-8-9-10-11	1671 Hyde Park Ave, Hyde Park	Mass
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 5	2 Churchill Rd, Hingham 1	Mass
Hill & Co., E. Vernon, 5-11	P.O. Box 189, Lake Geneva	Wisc
Hudson Bay Co., Div., Labline, Inc., 2-3-8-11	3070 W. Grand, Chicago 22	Ill
Hull Corp., 2-5-11	Davisville Rd, Hatboro	Pa
Industrial Refrigeration Co., Inc., 2-8-11	8940 Ellis Ave, Los Angeles 34	Cal
Instron Engineering Corp., 11	2502 Washington St, Canton	Mass
International Radiant Corp., 2-3-5-6-7-8-10-11	577 E. 156th St, New York 55	NY
ITEMCO, INC., 2-3-5-6-7-8-10-11, Adv Pg 202	**18 Beechwood Ave, Port Washington**	**NY**
Kahn & Co., Inc., 11	885 Wells Rd, Wethersfield	Conn
Kinney Vacuum Div., New York Air Brake Co., 2	3529 Washington St, Boston	Mass
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 2-5	80-08 45th Ave, Elmhurst 73	NY
Korfund Co., Inc., 1	1060 Washington Ave, New York 50	NY
Lindgren & Associates, Erik A., 9	4515 N. Ravenswood Ave, Chicago	Ill
Ling Electronics Div., Ling Altec Electronics, 1	1515 Manchester, Anaheim	Cal
McMillan Industrial Corp., 4-9	Brownville Ave Plant, Ipswich	Mass
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 9, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Missimers, Inc., 2-3-5-6-7-8-10-11	3737 San Fernando Rd, Glendale 4	Cal
Murphy & Miller, Inc., 2-3-11	612 W. Taylor St, Chicago 7	Ill
NRC Equipment Corp., 2	160 Charlemont St, Newton 61	Mass
Northern Research & Engineering Corp., 11	238 Main St, Cambridge 42	Mass
Pioneer Industries Div., Almar-York Co., Inc., 5-11	3455 W. Vickery, Fort Worth 7	Tex
POLARAD ELECTRONICS CORP., 4, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 4, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Scientific Co., 11	3737 W. Cortland, Chicago 47	Ill
PREMIER INSTRUMENT CORP., 4, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Research, Inc., 11	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Rucker Co., The	4700 San Pablo Ave, Oakland 8	Cal
Ryan Electronics Div., Ryan Aeronautical Co., 2-3-4-7-9-11	5650 Kearny Mesa Rd, San Diego 12	Cal
Scientific Engineering Laboratories, 2	1510 Sixth St, Berkeley 10	Cal
SHIELDING, INC., 1-4-8-9-11, Adv Pg 357	**P.O.Box 10, Riverton**	**NJ**
Sierra Engineering Co., 2-5-11	123 E. Montecito, Sierra Madre	Cal
Sorensen Industrial Electronic Co., 5	Rt 10, Dover	NJ
Sprague Engineering Corp., 2-3-5-6-7-8-11	19300 S. Vermont Ave, Gardena	Cal
STANDARD CABINET CO., INC., 2-3-5-6-7-8-10-11, Adv Pg 468	**57 Washington Ave, Carlstadt**	**NJ**
STATHAM INSTRUMENTS, INC., 11, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stellardyne Labs., Inc., 2-3-5-6-7-8-10-11	1525 Cayamaca, El Cajon	Cal
STOKES CORP., F.J., 2, Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Temperature Engineering Corp., 2-7-11	1500 Union Landing Rd, Riverton	NJ
TENNEY ENGINEERING, INC., 2-3-5-6-7-8-10-11, Adv Pg 102	**1090 Springfield Rd, Union**	**NJ**
Thermo Electric Mfg. Co., 11	465 Huff St, Dubuque	Iowa
Thermovolt Instruments, Ltd., 2-11	70 Advance Rd, Toronto 18, Ontario, Canada	
Topatron, Inc., 4-9	942 E. Ojai Ave, Ojai	Cal
Transducers, Inc., 1	2959 Honolula Ave, La Crescenta	Cal
United Aircraft Products Inc., 11	1116 Bolander Ave, Dayton 1	Ohio
Warren Components Div., El-Tronics, 11	S. Irvine St, Warren	Pa
Webber Mfg. Co., Inc., 2-11	P.O. Box 217, Indianapolis 6	Ind
West Coast Research Corp., 1-2-5-11	2102 S. Sepulveda Blvd, Los Angeles	Cal
Western Electro-Acoustic Lab., 1	11787 San Vicente Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY
Winder Aircraft Corp., 11	Dunnellon Air Base, Dunnellon	Fla
Wyle Mfg. Corp., 2-3-6-7-8-10-11	133 Center St, El Segundo	Cal

CHAMBERS —*IONIZATION*

American Research Corp	Rt 6 & New Britain Ave, Farmington	Conn
Applied Physics Corp	2724 S. Peck Rd, Monrovia	Cal
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Hicks Corp	1671 Hyde Park Ave, Hyde Park	Mass
Hudson Bay Co., Div., Labline, Inc.	3070 W. Grand, Chicago 22	Ill
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Nuclear Corp of America	2 Richwood Pl, Denville	NJ
Reuter-Stokes Electronic Components, Inc.	2149 Hamilton Ave, Cleveland 14	Ohio
Technical Associates	142 W. Providencia Ave, Burbank	Cal
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	England
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Westinghouse Electric Corp., Electronic Tube Div	P.O. Box 284, Elmira	NY

CHANGERS —*RECORD* See PHONOGRAPHS

CHARGERS —*BATTERY*

1. ELECTRON-TUBE 2. ENGINE-DRIVEN GENERATOR 3. METALLIC OXIDE 4. MOTOR-GENERATOR 5. PORTABLE 6. SELENIUM 7. SILICON

AEG, 4-6	Hochhaus Sued, Frankfurt/Main, Germany	
ACME ELECTRIC CORP., 6-7, Adv Pg 511	**Water St, Cuba**	**NY**
Airdesign Corp., 5	P.O. Box 987, Norristown	Pa
Allen Electric & Equipment Co., 1-6-7	2101 N. Pitcher St, Kalamazoo	Mich
Allied Radio Corp., 3	100 N. Western Ave, Chicago 80	Ill
Allis-Chalmers Mfg. Co., 2-4-6-7	935 S. 70th St, Milwaukee 1	Wisc
American-Monarch Corp., 5-7	2801 37 Ave N.E., Minneapolis 18	Minn
American Rectifier Corp., 6-7	95 Lafayette St, New York 13	NY
AMERICAN TELEVISION & RADIO CO., 5-6, Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
Automotive Div., Electric Storage Battery Co., 1-5-6-7	P.O. Box 6266, Cleveland	Ohio
Aviation Electric, Ltd., 6	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Barfield & Co., Inc., 5-6	3233 W. 36 St, Chicago 32	Ill
Bogue Electric Mfg. Co., 4	52 Iowa Ave, Paterson 3	NJ
C&D Batteries Div., Electric Autolite Co., 4-5-7	Conshohocken	Pa
Canadian Research Institute, 3-6-7	46 St. George St, Toronto 5, Ontario, Canada	
Carol Electronics Corp., 3-6	315 W. Stephen St, Martinsburg	W. Va
Chemtronics Inc., 7	870 E. 52nd St, Brooklyn 3	NY
Christie Electric Corp., 1-3-5-6-7	3410 W. 67 St, Los Angeles 43	Cal
Consolidated Diesel Electric Corp., 2-4	880 Canal St, Stamford	Conn
Control Corp., 6	718 Central Ave, Minneapolis 14	Minn
CORNELL-DUBILIER ELECTRIC CORP., 3-5, Adv Pg 321	**South Plainfield**	**NJ**
DAVEN CO., 7, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Deltron, Inc., 1-7	4th & Cambria, Philadelphia 33	Pa
Djeco, Div., Djordjevic Engrg Co., 1-6-7	1933 N. Damen, Chicago 47	Ill
Dresser Electric Co., 1-5-6-7	2705 Wight St, Detroit 7	Mich
E.P. Electric Products Co., Ltd., 6-7	9720 Waverly St, Montreal 12, Que, Canada	
The Electric Autolite Co., 2-7	Champlain St, Toledo 1	Ohio
Electronic Measurements Corp	625 Broadway, New York 12	NY
Elomag Sprl, 5-6-7	2 Avenue Wellington, Brussels, Belgium	
Exide Ind'l. Div., Elec. Stor. Battery Co., 4-5-7	Rising Sun/Adams, Phila 20	Pa
Fedtro, Inc., 5	Fed Electr Bldg, Rockville Centre	NY
Fluke Mfg. Co., Inc., John, 7	P.O. Box 7161, Seattle 33	Wash
GATES ELECTRONIC CO., 5-6-7, Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL METERS, INC., 6-7, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
General Nuclear Corp., 6-7	550 Fifth Ave, New York 28	NY
Georator Corp., 2-4-5	315 Tuder Ln, Manassas	Va
Gerst & Co., Paul E., 2-4	4868 N. Clark, Chicago 40	Ill
Green Rectifier Co., 5-6-7	1-10 30th St, Fair Lawn	NJ
Heath Co., A Sub of Daystrom, Inc., 1-7	Benton Harbor	Mich
Heinz-Mueller Engineering Co., Inc., 4-5	4725 Iowa St, Chicago 51	Ill
Indium Corp of America, 3	1676 Lincoln Ave, Utica 4	NY
Intl Tel & Tel Corp., Industrial Products Div., 6-7	15191 Bledsoe St, San Fernando	Cal
KEARFOTT DIV., GEN PRECISION, INC., 2-3-4-5-6-7, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
King Electric Equipment Co., 1-5-7	9123 Inman Ave, Cleveland 5	Ohio
Kurz & Root Co., 2-3-4-5-6-7	Appleton	Wisc
Lawn Electronics Corp., 1-7	Woodward Rd, Englishtown	NJ
Lee Electric & Mfg. Co., 6-7	2806 Clearwater St, Los Angeles 39	Cal
Leland Airborne Products, Div., AMF, 4-5	P.O. Box 128, Vandalia	Ohio
MACARR, INC., 5-6-7, Adv Pg 534	**4360 Bullard Ave, Bronx**	**NY**
Mallory & Co., Inc., P.R., 3-6	34 S. Gray St, Indianapolis 6	Ind
Meredith & Co., Ltd., C.C., 1-6-7	80 Thomas St, Streetsville, Ontario, Canada	
Model Rectifier Corp., 3-5-6-7	1675 Utica Ave, Brooklyn 34	NY
Motoresearch Co., 2-4	1405 16th St, Racine	Wisc
Motor Generator, Aff, Hobart Bros Co., 2-4	W. Water St, P.O. Box EBG, Troy	NY
Multi-Products Co., 5	21470 Coolidge Hwy, Oak Park	Mich
Newport Scientific Co., 3-5-6-7	638 W. 17th St, Costa Mesa	Cal
Nichols, Ltd., R.H., 3-6	4544 Dufferin St, Downsview, Ontario, Canada	
Onan & Sons, Inc., D.W., 2	University Ave at 25 S.E., Minnpls 14	Minn
OPAD ELECTRIC CO., 1-3-5-6-7, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Palmer, Inc., M.V., 3-7	4108 N.W. Fruit Valley Rd, Vancouver	Wash
Peer, Inc., 3-6-7	Benton Harbor	Mich
Pintsch Bamag AG, 6-7	Postfach 11, Butzbach, Germany	
Pioneer Gen-E-Motor Co., 2-5	5841 W. Dickens, Chicago 39	Ill
Power Equipment Co.	Portland Way N., Galion	Ohio
Power Supplies, Inc., 3-5-6-7	1007 Olive St, Highland	Ill
Quick Charge Div., Line Scale Co., 5-6-7	3737 N. W. 37th St, Oklahoma City 18	Okla
Radiaphone Co., Inc., 6-7	600 E. Evergreen Ave, Monrovia	Cal
Raytheon Co. Commercial Appar. & Systems Div., 6-7	100 River St, Waltham	Mass
Schauer Mfg. Corp., 3-6-7	4521 Alpine Ave, Cincinnati 42	Ohio
Sel-Rex Corp., 3-6-7	75 River Rd, Nutley 10	NJ
Sprague Engineering Corp., 7	19300 S. Vermont Ave, Gardena	Cal
Standard Telephones & Cables, Ltd., 6-7	63 Aldwych, London W. C. 2	England
Summit Electronics, Inc., 1-3-5	7 Industrial Pl, Summit	NJ
Terado Co., 5-7	1059 Raymond Ave, St. Paul 14	Minn
Trans-Sil Corp., 7	55 Honeck St, Englewood	NJ
Waber Electronics, Inc., 6-7	Hancock & Sommerset, Philadelphia 33	Pa
Warren Mfg. Co., Inc., 7	Newtown Rd, Littleton	Mass
Wickes Engineering & Construction Co., 3-5-6-7	12th St & Ferry Ave, Camden 4	NJ
Wincharger Corp., 2-4	E. 7th & Division Sts, Sioux City	Iowa
YARDNEY ELECTRIC CORP., 5-6, Adv Pg 49	**40 Leonard St, New York**	**NY**

CHARGERS —*DOSIMETER*

Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
COSMIC INSTRUMENTS, INC., Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
CURTISS-WRIGHT CORP, PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Radiation Instrument Development Labs	5737 S. Halsted St, Chicago 36	Ill
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal

Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla

CHARTS –*SMITH* See **DRAFTING SUPPLIES**
CHASSIS-HOLDING FIXTURES See **FIXTURES** –*HOLDING*
CHASSIS LOUVERS See **LOUVERS**
CHASSIS-MARKING LABELS See **LABELS**

CHASSIS –*METAL FORMED*

A A Metal Products, Inc	154 Elliot St, Brattleboro	Vt
ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Algo, Inc	251 West St, South Hackensack	NJ
Allen Electric & Equipment Co	2101 N. Pitcher St, Kalamazoo	Mich
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Baltic Metal Products Co	126 Sutton St, Brooklyn 22	NY
Barfield & Co., Inc	3233 W. 36 St, Chicago 32	Ill
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
California Chassis Co	5445 E. Century Blvd, Lynwood	Cal
Donnelly Mfg. Co	580 Winter St, Waltham 54	Mass
Electro-Chemical Engraving Co	1100 Brook Ave, New York 56	NY
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Electronic Enclosures, Inc	3629 Holdrege Ave, Los Angeles 16	Cal
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Falls Metal Works, Ltd	414 Main St, Little Falls	NJ
Falstrom Co	44 Falstrom Ct, Passaic	NJ
Feiner & Sons, P	524 W. 45 St, New York	NY
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
General Metal Products Co	1010-14 Centre St, Easton	Pa
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Holden-Massey Corp	140 Allen Blvd, Farmingdale	NY
Huenefeld Co	2701 Spring Grove Ave, Cincinnati 25	Ohio
Humble Mfg. Co., Ltd	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jandor, Inc	428 Salem Ave, Dayton 6	Ohio
KEYSTONE MFG. CO., Adv Pg 549	**23328 Sherwood Ave, Warren**	**Mich**
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
LMB	2528 W. 9th St, Los Angeles 6	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Mobil Electronics, Inc	1111 State Rd 67E, Anderson	Ind
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
P. B. R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
Paul & Beekman, Inc	1801 Courtland St, Philadelphia 40	Pa
PREMIER METAL PRODUCTS CO., Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
Rada Products Co	2911 W. Carroll Ave, Chicago 12	Ill
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Shawmut Engineering Co	195 Freeport St, Boston	Mass
Telequip Radio Co	2559 W. 21st St, Chicago 8	Ill
Templet Industries	701 Atkins Ave, Brooklyn	NY
WATSON MFG. CO., INC., Adv Pg 200	**4700 Taylor St, Jamestown**	**NY**
WESTERN DEVICES, INC., Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
White Aircraft Corp	Palmer	Mass
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla
Wyco Metal Products	6918 Beck Ave, North Hollywood	Cal
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

CHASSIS SLIDES See **SLIDES** –*CHASSIS*
CHECKERS See **ANALYZERS: TESTERS**
CHEMICAL PROCESS CONTROLS See **CONTROLS** *PROVIDING DESIRED FUNCTION*
CHEMICALS –*CORROSION INHIBITING* See **PACKAGING MATERIALS** – *CORROSION INHIBITING*
CHEMICALS – **CRT SCREEN POWDERS** See **TUBE PARTS**
CHEMICALS –*DEGREASING* See **SOLVENTS**

CHEMICALS –*ELECTRONIC*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc	600 Water St, Jersey City	NJ
Associated Engineering & Mfg. Corp	Glen Ridge	NJ
AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
BAKER CHEMICAL CO., J.T., Adv Pg 241	**Phillipsburg**	**NJ**
Barco Chemical Products Co	701-703 S. La Salle, Chicago 5	Ill
Barium & Chemicals, Inc	Willoughby	Ohio
Bio-Rad Laboratories	1257 S. 32nd St, Richmond	Cal
Chemtronics Inc	870 E. 52nd St, Brooklyn 3	NY
City Chemical Corp	132 W. 22nd St, New York 11	NY
Colman Electronic Products, Inc	P.O. Box 2965, Amarillo	Tex
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
Delta Chemical Works	21 W. 60th St, New York	NY
Eastern Jewel Corp	Plainview	NY
Ed-Berl Products, Inc	96 S. Grand Ave, Baldwin	NY
Electronic Chemical Corp	813 Communipaw Ave, Jersey City 4	NJ
Electronic Components Div., Telecomputing Corp	14706 Arminta St, Van Nuys	Cal
Electroparts	P.O. Box 1137, Glendale	Cal
Fidelity Chemical Products Corp	472 Frelinghuysen Ave, Newark	NJ
Fisher Scientific Co	711 Forbes St, Pittsburgh 19	Pa
General Electric Co., Lamp Metals & Components Dept	21800 Tungsten Rd, Cleveland 17	Ohio
Glyco Chemicals	417 Fifth Ave, New York 16	NY
Great Eastern Mfg. Co	163 Remsen Ave, Brooklyn 12	NY
Injectorall Co	12 Bay 50 St, Brooklyn 14	NY
Isochem Resins Co	221 Oak St, Providence 9	RI
LMB	2528 W. 9th St, Los Angeles 6	Cal
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MacDermid Inc	526 Huntington Ave, Waterbury 20	Conn
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Matheson Coleman & Bell	2909 Highland Ave, Norwood	Ohio
Metachem Resins Corp	530 Wellington Ave, Cranston 10	RI
MICROWAVE CHEMICAL LABARATORY, INC., Adv Pg 522	**282 7th Ave, New York 1**	**NY**
Minnesota Mining & Mfg. Co., Chemical Div	900 Bush Ave, St. Paul 6	Minn
Oakite Products, Inc	79 Rector St, New York 6	NY
Philadelphia Quartz Co	1146K Public Ledger Bldg, Phila 6	Pa
Quietrole Co	395 St. John St, Spartanburg	SC
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Silicones Div., UCC	270 Park Ave, New York 17	NY
Sylvania Electric Prods., Inc., Chem & Metallurgical Div	Towanda	Pa
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY
Ultrasonic Industries, Inc	141 Albertson Ave, Albertson	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
WALSCO ELECTRONICS MFG. CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**

CHEMICALS –*FLUORESCENT* See **FLUORESCENT COMPOUNDS**
CHEMICALS –*FUNGICIDAL* See **COATINGS** –*FUNGICIDAL:* **FUNGIPROOFING SERVICES**

CHEMICALS –*LUMINESCENT*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Black Light Eastern Corp	201-04 Northern Blvd, Bayside	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Delta Chemical Works	21 W. 60th St, New York	NY
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
Isomet Corp	433 Commercial Ave, Palisades Park	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Matheson Coleman & Bell	2909 Highland Ave, Norwood	Ohio
Shannon Luminous Materials Co	7356 Santa Monica Blvd, Hollywood	Cal
Stroblite Co	77 W. 45 St, New York	NY
Sylvania Electric Prods., Inc., Chem & Metallurgical Div	Towanda	Pa
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CHEMICALS –*METAL CONVERSION COATING*

ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Allied Research Products, Inc	4004 E. Monument St, Baltimore 5	Md
Alpha Metals, Inc	600 Water St, Jersey City	NJ
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
BAKER CHEMICAL CO., J.T., Adv Pg 241	**Phillipsburg**	**NJ**
Bishop & Co., J., Platinum Works	Malvern	Pa
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Carborundum Co	Dept. A.B., Niagara Falls	NY
City Chemical Corp	132 W. 22nd St, New York 11	NY
Delta Chemical Works	21 W. 60th St, New York	NY
Detrex Chemical Industries, Inc	P.O. Box 501, Detroit 32	Mich
Fidelity Chemical Products Corp	472 Frelinghuysen Ave, Newark	NJ
Glyco Chemicals	417 Fifth Ave, New York 16	NY
Goldsmith Bros Div., National Lead Co	900 W. 18th St, Chicago 8	Ill
Indium Corp of America	1676 Lincoln Ave, Utica 4	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MacDermid Inc	526 Huntington Ave, Waterbury 20	Conn
Matheson Coleman & Bell	2909 Highland Ave, Norwood	Ohio
Minnesota Mining & Mfg. Co., Chemical Div	900 Bush Ave, St. Paul 6	Minn
Oakite Products, Inc	79 Rector St, New York 6	NY
Ramyr Mfg. Co	1779 N. Main St, Los Angeles 31	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Wye Industries	6 General Devine Way, Boston 27	Mass

CHEMICALS –*PLATING*
1. ELECTROLESS PLATING 2. ELECTROPLATING

Aceto Chemical Co., Inc., 1-2	40-40 Lawrence St, Flushing 54	NY
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS- GEN CHEM DIV., 2, Adv Pg 57	**40 Rector St, New York**	**NY**
Allied Research Products, Inc., 2	4004 E. Monument St, Baltimore 5	Md
Amerconda Chemical Co., 1-2	170 Broadway, New York 38	NY
American Smelting & Refining Co., 2	120 Broadway, New York 5	NY
Barco Chemical Products Co., 2	701-703 S. La Salle, Chicago 5	Ill
Barium & Chemicals, Inc., 2	Willoughby	Ohio
Bart Labs & Design Inc., 1-2	125 Manchester Pl, Newark 4	NJ
Bishop & Co., J., Platinum Works, 2	Malvern	Pa
City Chemical Corp., 1-2	132 W. 22nd St, New York 11	NY
Clarkson Labs., Inc., 2	919 N. Ninth St, Philadelphia 23	Pa
Dow Chemical Co., 2	Midland	Mich
du Pont de Nemours & Co., Inc., E.I., 2	Wilmington 98	Del
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
Engelhard Industries, Inc., 2	113 Astor St, Newark 2	NJ
Enthone, Inc., 2	442 Elm St, New Haven	Conn
Fidelity Chemical Products Corp., 2	472 Frelinghuysen Ave, Newark	NJ
Fisher Scientific Co., 1-2	711 Forbes St, Pittsburgh 19	Pa
Gar Precision Parts, Inc., 1-2	190 Henry St, Stamford	Conn
General American Transportation Corp., 1	135 S. La Salle St, Chicago 3	Ill
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 2, Adv Pg 530	**Attleboro**	**Mass**
Goldsmith Bros Div., National Lead Co., 2	900 W. 18th St, Chicago 8	Ill
Henry & Miller Industries, Inc., 2	675 Garfield Ave, Jersey City 5	NJ
Indium Corp of America, 2	1676 Lincoln Ave, Utica 4	NY
Koppers Co., Inc., 2	Koppers Bldg, Pittsburgh 19	Pa
MacDermid Inc., 1-2	526 Huntington Ave, Waterbury 20	Conn
Metal & Thermit Corp	Rahway	NJ
Metaplast Co., Inc., 2	34-51 56th St, Woodside	NY
Minnesota Mining & Mfg. Co., Chemical Div., 2	900 Bush Ave, St. Paul 6	Minn
Montgomery Co., 2	20 Canal Bank, Windsor Locks	Conn
Ramyr Mfg. Co., 1-2	1779 N. Main St, Los Angeles 31	Cal
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Sifco Metachemical, Inc., 2	935 E. 63 St, Cleveland 3	Ohio
Technic Inc., 2	P.O. Box 965, Providence 1	RI
Var-Lac-Oid Chemical Co., 1-2	116 Broad St, New York 4	NY
Wildberg Bros Smelting & Refining Co., 2	742 Market St, San Francisco 2	Cal

CHEMICALS –*PRINTED-CIRCUIT*
1. CLEANERS-ASSEMBLIES (AFTER DIP-SOLDERING) 2. CLEANERS-

BOARD (AFTER ETCHING) 3. ETCHING ACIDS 4. LIGHT-SENSITIVE 5. RESISTS

Aceto Chemical Co., Inc., 4	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., 3, Adv Pg 57	**40 Rector St, New York**	**NY**
Amerconda Chemical Co., 1-2-5	170 Broadway, New York 38	NY
American Smelting & Refining Co., 3	120 Broadway, New York 5	NY
BAKER CHEMICAL CO., J.T., 3, Adv Pg 241	**Phillipsburg**	**NJ**
Barco Chemical Products Co., 1	701-703 S. LA Salle, Chicago 5	Ill
Chemtronics Inc., 1-3	870 E. 52nd St, Brooklyn 3	NY
Clarkson Labs., Inc., 1-2-3	919 N. Ninth St, Philadelphia 23	Pa
Cobehn, Inc., 1-2	226 Passaic Ave, Caldwell	NJ
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Detrex Chemical Industries, Inc., 1-2	P.O. Box 501, Detroit 32	Mich
Dow Chemical Co., 3	Midland	Mich
Dry Screen Process, Inc., 5	1016 Madison Ave, Pittsburgh 12	Pa
Enthone, Inc., 1-2	442 Elm St, New Haven	Conn
ETCHOMATIC, INC., 2-4-5, Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
Fidelity Chemical Products Corp., 1-2-3-5	472 Frelinghuysen Ave, Newark	NJ
Fisher Scientific Co., 1-2-3	711 Forbes St, Pittsburgh 19	Pa
Harris Transducer Corp., 1-2	Woodbury	Conn
Hunt Co., Philip A., 3	Palisades Park	NJ
Isochem Resins Co., 1-2	221 Oak St, Providence 9	RI
Keil Engineering Products, Inc., 3-4-5	6833 Manchester, St. Louis 10	Mo
London Chemical Co., 1-2-5	1535 N. 31 Ave, Melrose Park	Ill
MacDermid Inc., 1-2-3	526 Huntington Ave, Waterbury 20	Conn
Michael, Inc., Claude, 1-2-5	703 W. Ivy St, Glendale 4	Cal
NARDA ULTRASONICS CORP., 1-2, Adv Pg 466	**625 Main, Westbury**	**NY**
Oakite Products, Inc., 1-2	79 Rector St, New York 6	NY
Screen Process Labs., 4-5	5-33 48th Ave, Long Island City	NY
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Techniques, Inc., 5	40 Jay St, Englewood	NJ
Ultrasonic Industries, Inc., 1-2	141 Albertson Ave, Albertson	NY
Wye Industries, 1-2	6 General Devine Way, Boston 27	Mass
Zophar Mills, Inc., 1-5	115 26th St, Brooklyn 32	NY

CHEMICALS *—TUBE*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
BAKER CHEMICAL CO., J.T., Adv Pg 241	**Phillipsburg**	**NJ**
Barium & Chemicals, Inc	Willoughby	Ohio
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
Fidelity Chemical Products Corp	472 Frelinguysen Ave, Newark	NJ
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Matheson Co., Inc	2909 Highland Ave, Norwood	Ohio
Minnesota Mining & Mfg. Co., Chemical Div	900 Bush Ave, St. Paul 6	Minn
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CHEMICALS *WIRE STRIPPING* See STRIPPERS
CHOKES See COILS

CHOKES *—WAVEGUIDE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
Microwave Development Labs Inc	92 Broad St, Babson Park 57	Mass
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ
Servomechanisms, Inc	12500 Aviation Blvd, Hawthorne	Cal
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

CHOPPER DEMODULATORS See DEMODULATORS

CHOPPERS *— D-C TO A-C*

1. DIODE-TYPE (CRYSTAL & TUBE) 2. MAGNETIC-AMPLIFIER-TYPE 3. TRANSISTOR-TYPE 4. TUBE-TYPE 5. VIBRATING-ARMATURE (ELECTROMAGNETIC) 6. VIBRATING TRANSISTOR TYPE — DC DRIVE 7. PHOTOELECTRIC

AC Electronics, Inc., 1-2-3-4	11725 Mississippi Ave, Los Angeles 25	Cal
ADC, INC., 2, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Adage, Inc., 3	292 Main St, Cambridge	Mass
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-3-5, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Allen Electric & Equipment Co., 5	2101 N. Pitcher St, Kalamazoo	Mich
American Avionics, Inc., 3	2028-2032 Stoner Ave, Los Angeles 25	Cal
American-Monarch Corp., 3	2801 37 Ave N.E., Minneapolis 18	Minn
American Research & Mfg. Corp., 1-2-3	920 Halpine Ave, Rockville	Md
APPLIED ELECTRONICS CORP OF N.J., 2-3, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Avien Corp., 3	58-15 Northern Blvd, Woodside 77	NY
Bell Aircraft Corp., 2	P.O. Box 1, Buffalo 5	NY
Benco Television Associates, Ltd., 3	27 Taber Rd, Rexdale, Ontario, Canada	
Cambridge Electronics Corp., 7	P.O. Box 30, Marshfield Hills	Mass
Collins Electronics, Inc., 5	Stevensville	Md
COMMUNICATION ACCESSORIES CO., 2, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Control Technology Co., 1-3	1186 Broadway, New York 1	NY
Data Products Co., Inc., 3	7320 Westmore Rd, Rockville	Md
DAVEN CO., 3, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Djeco, Div., Djordjevic Engrg Co., 2-3	1933 N. Damen, Chicago 47	Ill
Electronic Development Corp., 3	423 W. Broadway, Boston 27	Mass
Electronic Research Associates, Inc., 3	67 Factory Pl, Cedar Grove	NJ
ELECTRONIC SPECIALTY CO., 1-2-3, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Engineered Magnetics Div., Gulton, 2-3	13041 Cerise Ave, Hawthorne	Cal
ESCOTRONICS, 5, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Ferrotran Electronic Co., Inc., 3	693 Broadway, New York 12	NY
FREED TRANSFORMER CO., INC., 2-3, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL DEVICES, INC., 1-2-3-4-5, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL MAGNETICS, INC., 2, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
Gerst & Co., Paul E., 2	4868 N. Clark, Chicago 40	Ill
Guardian Electric Mfg. Co., 1-3	1621 W. Walnut St, Chicago 12	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2-3	P.O. Box 978, Garland	Tex
Industrial Control Co., 3	Central at Pinelawn, Farmingdale	NY
INTERELECTRONICS CORP., 2-3, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 3	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 1-2-3-4	15191 Bledsoe St, San Fernando	Cal
James Electronics Inc., 1-3-5	4050 N. Rockwell St, Chicago 18	Ill
Johnson Electronics, Inc., 3	P.O. Box 1675, Casselberry	Fla
KEARFOTT DIV., GEN PRECISION, INC., 2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc., 3	3171 S. Bundy Dr, Santa Monica	Cal
Link Div., Gen. Precision, Inc., 5	Nowlan Rd, Hillcrest, Binghamton	NY
Lumen, Inc., 2	P.O. Box 905, Joliet	Ill
M. F. ELECTRONICS, 3, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
Magnetec Corp., The, 5	7232 Eton Ave, Canoga Park	Cal
Magnetic Research Corp., 2	3160 W. El Segundo Blvd, Hawthorne	Cal
Micro Gee Products, Inc., 1-2-3-4	6319 W. Slauson, Box 1005, Culver City	Cal
Micromag Instrument Corp., 2	115 Halleck St, Roxbury	Mass
Millivac Instruments Div., Cohu Electronics Inc., 5	2315 Second Ave, Schenectady	NY
Minn-Honeywell, Industrial Div., 5	Wayne & Windrim, Philadelphia 44	Pa
Networks Electronic Corp., 2-3	14806 Oxnard St, Van Nuys	Cal
OAK MFG. CO., 5, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
OPAD ELECTRIC CO., 3, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Penn Keystone Corp., 3-5	P.O. Box 350, Hawkins St, Derby	Conn
PHOTOCHRON RESEARCH INC., 7, Adv Pg 547	**2 Howard St, New York 13**	**NY**
Pintsch Bamag AG, 3	Postfach 11, Butzbach, Germany	
Power Sources, Inc., 2-3	South Ave, Burlington	Mass
S-E Laboratories Ltd., 3	606 N. Felthan Trading Estate, Felthan, Middlesex, England	
Servo-Tek Products Co., Inc., 1-2	1086 Goffle Rd, Hawthorne	NJ
SOLID STATE ELECTRONICS CO., 3-6, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Spec-Tronics, 3	13942 Saticoy Ave, Van Nuys	Cal
Standard Electronics Div., Reeves Instrument Corp., 1-4	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 5	63 Aldwych, London W. C. 2	England
STEVENS-ARNOLD, INC., 5, Adv Pg 466	**7 Elkins St, South Boston 27**	**Mass**
Tamar Electronics, Inc., 3	2045 W. Rosecrans Ave, Gardena	Cal
Ten Bosch, Inc., M., 3	80 Wheeler Ave, Pleasantville	NY
Tenco Electronics, Inc., 1	811 Boylston St, Boston	Mass
Trepac Corp of America, 3	30 W. Hamilton Ave, Englewood	NJ
21st Century Electronics, Inc., 3	P.O. Box 2326, Riverside	Cal
U. S. Nuclear Corp., 5	801 N. Lake St, Burbank	Cal
Universal Transistor Products Corp., 2-3	36 Sylvester St, Westbury	NY
VARO MFG. CO., INC., 1-2-3-4, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Victory Engineering Corp., 3	101 Springfield Rd, Union	NJ
Wickes Engineering & Construction Co., 2	12th St & Ferry Ave, Camden 4	NJ

CHROMIUM

1. BARS 2. POWDER & PELLETS

Aceto Chemical Co., Inc., 2	40-40 Lawrence St, Flushing 54	NY
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Delta Chemical Works, 2	21 W. 60th St, New York	NY
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Shieldalloy Corp., 2	Newfield	NJ
Union Carbide Metals Co., Div., UCC, 2	270 Park Ave, New York 17	NY
Var-Lac-Oid Chemical Co., 2	116 Broad St, New York 4	NY

CHRONAXIMETERS

Electro-Medical Lab., Inc	South Woodstock 8	Vt
Teca Corp	80 Main St, White Plains	NY

CHRONOGRAPHS *(TIME INTERVAL RECORDERS)*

Chrono-Log Corp	P.O. Box 4587, Philadelphia 31	Pa
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Epic, Inc	150 Nassau St, New York 38	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

CHRONOSCOPES *(TIME INTERVAL INDICATORS)*

General Measurements Co., Inc	1108 Beacon St, Newton Highlands 61	Mass
Presin Co	2014 Broadway, Santa Monica	Cal
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
STICHT CO., INC., HERMAN H., Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

CIRCUIT ANALYZERS See COMPARATORS: TESTERS *—CIRCUIT*
CIRCUIT BREAKERS See BREAKERS *—CIRCUIT*
CIRCUIT DEMONSTRATORS See DEMONSTRATORS

CIRCUITS *—PACKAGED (TUBE OR TRANSISTOR, PRINTED OR CONVENTIONAL WIRING, PLUG-IN OR WIRE TERMINALS, UNCOATED, ENCAPSULATED OR POTTED, Incl. FLIP-FLOPS & OTHER COMPUTER CIRCUIT PACKAGES)*

Abacus, Inc	3040 Overland Ave, Los Angeles 34	Cal
Adage, Inc	292 Main St, Cambridge	Mass
AIRFLYTE ELECTRONICS CO., Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
Allied Allegri, Inc	141 River Rd, Nutley	NJ
ANSLEY MFG. CO., ARTHUR, Adv Pg 536	**New Hope**	**Pa**
Applied Dynamics, Inc	P.O. Box 2068, Ann Arbor	Mich
Automated Circuits Inc	P.O. Box 38, Station J, Buffalo 8	NY
Becker Electronics Mfg. Corp	Horton & Rockaway, Valley Stream	NY
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Bernco Engineering Corp	2320 S. Tibbs Ave, Indianapolis	Ind
Cadre Industries Corp	P. O. Box 150, Endicott	NY
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal

CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Cleveland Metal Specialties Co	1783 East 21st St, Cleveland 14	Ohio
Coils-Electronics Co	2939-49 N. 2nd St, Philadelphia 33	Pa
Computer Control Co., Inc	983 Concord St, Framingham	Mass
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
Electronic Research Associates, Inc	67 Factory Pl, Cedar Grove	NJ
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
EPSCO INC., COMPONENTS DIV., Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
FAIRCHILD SEMICONDUCTOR CORP., Adv Pg 440	**545 Whisman Rd, Mountain View**	**Cal**
G B COMPONENTS, INC., Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
General Measurements Co., Inc	1108 Beacon St, Newton Highlands 61	Mass
Gibbs Mfg. & Research Corp	454 N. Main St, Janesville	Wisc
Good Electronic Corp	P.O. Box 2406, W. Palm Beach	Fla
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
International Business Machines Corp	590 Madison Ave, New York 22	NY
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Librascope Div., General Precision, Inc	808 Western Ave, Glendale 1	Cal
Litton Industries, Electronic Equipment Div	336 N. Foothill Rd, Beverly Hills	Cal
M. F. ELECTRONICS, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
Mini-Rad, Inc	7416-E Varna Ave, N. Hollywood	Cal
Minitron, Inc	1105 2nd St, Encinitas	Cal
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Onondaga Electronics Div., Speer Carbon Co	1810 W. Fayette St, Syracuse 1	NY
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Penn Keystone Corp	P.O. Box 350, Hawkins St, Derby	Conn
Philamon Laboratories, Inc	90 Hopper St, Westbury	NY
PHILBRICK RESEARCHES, INC., GEORGE A., Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Ransom Research, Inc	374 W. 8th St, Box 269, San Pedro	Cal
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Raytheon Co. Semiconductor Div	215 1st Ave, Needham Hgts. 94	Mass
Rese Engineering Corp	731 Arch St, Philadelphia 6	Pa
RHO Engineering Co	2242 Sepulveda Blvd, Los Angeles 64	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sibley Co., The	Haddam	Conn
Spec-Tronics	13942 Saticoy Ave, Van Nuys	Cal
Sprague Electric Co	125 Marshall St, North Adams	Mass
Stratocon Corp	P.O. Box 10, Morristown	NJ
Stromberg-Carlson, Div., General Dynamics Corp	1895 Hancock St, San Diego 12	Cal
Summers Gyroscope Co	2500 Broadway, Santa Monica	Cal
Taber Instrument Corp	107 Goundry St, North Tonawanda	NY
Techniques, Inc	40 Jay St, Englewood	NJ
Tenlo Research Corp	9424 Lyndale Ave S., Minneapolis 20	Minn
Transonic, Inc	808 16th St, Bakersfield	Cal
Trionics Corp	P. O. Box 548, Madison 1	Wisc
Tripl-T Co Electronics	1260 Encino Dr, San Marino	Cal
U.S. Engineering Co., Div., Litton Ind	13536 Saticoy, Van Nuys	Cal
Vanguard Electronics Co	3384 Motor Ave, Los Angeles 34	Cal
Vitro Corp of America	261 Madison Ave, New York 16	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WHITE INSTRUMENT LABORATORIES, Adv Pg 552	**Box 9006, Allandale Sta, Austin 17**	**Tex**
Wurlitzer Co	North Tonawanda	NY

CIRCUITS —*PRINTED WIRING, CUSTOM SERVICE 1. ETCHED 2. FLEXIBLE 3. INLAID, FLUSH OR IMBEDDED 4. PLATED 5. STAMPED OR EMBOSSED*

ACF Electronics Div., 1	Riverdale	Md
A.R.F. Products, Inc., 1-4	7627 Lake St, River Forest	Ill
AIRFLYTE ELECTRONICS CO., 3-5, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Airtronics, Inc., 1-2-4-5	5522 Dorsey Ln, Washington 16	DC
Allied Allegri, Inc., 1-4	141 River Rd, Nutley	NJ
Allied Circuit Techniques, Ltd., 1-2-3-4	29 Brook St N., Oakville, Ontario, Canada	
American Printed Circuits Co., Inc., 1-3	Forrest St, Metuchen	NJ
Amsterdam Continental, Types & Graphic Equipment, Inc., 1-4	276 Park Ave S., New York 10	NY
ANSLEY MFG. CO., ARTHUR, 1-2-4, Adv Pg 536	**New Hope**	**Pa**
Applied Dynamics, Inc., 1	P.O. Box 2068, Ann Arbor	Mich
Automated Circuits Inc., 2-4	P.O. Box 38, Station J, Buffalo 8	NY
Automation Industries, Inc., 1	3613 Aviation Blvd, Manhattan Beach	Cal
Avionics Ltd., 1-2-3-4	Box 200, Niagara-on-the-Lake, Ontario	
BJ Electronics, Borg-Warner Corp., 1-5	3300 Newport Blvd, Santa Ana	Cal
Beck's Inc., 1-3	298-300 E. Fifth St, St. Paul 1	Minn
Bellandi Co., Inc., M., 1-3-4	7508 W. Grand Ave, Elmwood Park	Ill
Bureau of Engraving, Inc., Industrial Div., 1-3-4	500 S. 4th St, Minneapolis 15	Minn
CBS ELECTRONICS, DIV., CBS, INC., 1-3-4-5, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Carroll Pressed Metal, Inc., 5	133 Dewey St, Worcester	Mass
Chance Vought Aircraft, Inc., 1	P.O. Box 5907, Dallas 22	Tex
Chicago Thrift-Etching Corp., 1	1557 N. Sheffield Ave, Chicago	Ill
Cleveland Metal Specialties Co., 1-3	1783 East 21st St, Cleveland 14	Ohio
Combined Electronics, Inc., 3-4	6047 W. Ogden Ave, Chicago	Ill
Conductorlab, Inc., 1-3-4	Groton	Mass
Control Equipment Corp., 1	19 Kearney Rd, Needham Heights 94	Mass
Cook Technological Center, 1	6401 Oakton St, Morton Grove	Ill
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 1-4, Adv Pg 485	**550 High St, Bradford**	**Pa**
Croname, Inc., 1-4	6247 Howard St, Chicago 48	Ill
DALE PRODUCTS, INC., 1-2-4, Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
Defiance Printed Circuit Corp., 1-2-4	83 Albion St, Wakefield	Mass
DeHavilland Aircraft/Spec. Prods. Div., 1	Downsview, Ontario, Canada	
Digitool Corp., 1	P.O. Box 22242, Houston 27	Tex
Doty Acoustical Electronic Labs., 1	Tobyhanna	Pa
Dry Screen Process, Inc., 1	1016 Madison Ave, Pittsburgh 12	Pa
Dwyer Engineering Co., Inc., 1-2-4	Airport Rd, Nashua	NH
Dynameans, Inc., 1	1511 W. Clark, Burbank	Cal
ECM Corp., 1	8160 Orion Ave, Van Nuys	Cal
EIR Corp., 1	5177 Overland Ave, Culver City	Cal
Eastern Reproduction, Inc., 1-3-4	1250 Main St, Waltham	Mass
Eby Co., Hugh H., 1-4	4701 Germantown Ave, Philadelphia 44	Pa
ELECTRALAB PRINTED ELECTRONICS CORP., 1-3-4, Adv Pg 228	**173 A St, Needham Hgts 94**	**Mass**
Electro-Chemical Engraving Co., 1-4	1100 Brook Ave, New York 56	NY
Electro-Etch Circuits, Inc., 1-2-3-4-5	7112 S. Victoria Ave, Los Angeles 43	Cal
Electrodynamic Instrument Corp., 1-2-3-4	1841 Old Spanish Trail, Houston 25	Tex
Electronic Circuits, 1-4-5	641 N. La Peer Dr, Los Angeles 46	Cal
Electronic Service Corp., 3	2906 Birch St, Franklin Park	Ill
Electronics, Inc., 1	39 York Rd, Willow Grove	Pa
Engineered Electronics Co., 1-4	1441 E. Chestnut Ave, Santa Ana	Cal
ERIE RESISTOR CORP., 5, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
ESCOTRONICS, 1, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
GATES RADIO CO., 1-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gavitt Wire & Cable Co., 1-3-4	Central St, Brookfield	Mass
Genesys Corp., Sub, Chance Vought, 1-3-4-5	10131 National Blvd, Los Angeles 34	Cal
Gladding, McBean & Co., 1-3-4	1551 S. Primrose St, Monrovia	Cal
Globe Electrical Mfg. Co., 1-3-4	1727 W. 134 St, Gardena	Cal
Good Electronic Corp., 1-3-4-5	P.O. Box 2406, W. Palm Beach	Fla
GRAPHIK-CIRCUITS DIV., CINCH, 1-2-3-4-5, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
Gulton Industries, Inc., 1-3-4	212 Durham Ave, Metuchen	NJ
International Resistance Co., 1-2-3	401 N. Broad St, Philadelphia	Pa
Keil Engineering Products, Inc., 1-2-4	6833 Manchester, St. Louis 10	Mo
Laminated Sheet Products Corp., 1-2-3-4-5	449 Neponset St, P.O. Box 390, Norwood	Mass
Laminated Shim Co., Inc., 5	4601 Union St, Glenbrook	Conn
Land-Air, Inc., 1-4	7444 W. Wilson Ave, Chicago 31	Ill
LAPOINTE INDUSTRIES, INC., 1-2-3-4, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Lear, Inc., 1-3-4	3171 S. Bundy Dr, Santa Monica	Cal
Leru Labs., Inc	Black Oak Ridge Rd, Paterson	NJ
Librascope Div., General Precision, Inc., 1-4-5	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-4	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Electronic Equipments Div	336 N. Foothill Rd, Beverly Hills	Cal
Lockheed Electronics Co., Avionics & Ind Products Div., 1	Randolph St, Los Angeles	Cal
Mahler Research Foundation, 1-4	P.O. Box 1159, New York 1	NY
Melpar, Inc., 1-4-5	3000 Arlington Blvd, Falls Church	Va
METHODE MFG. CORP., 1-2-3-4-5, Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
Minitron, Inc., 1-2-4-5	1105 2nd St, Encinitas	Cal
Minshall Organ, Inc., 1-4	28 Birge St, Brattleboro	Vt
Molded Insulation Co., 1-3-4	335 E. Price St, Phila 44	Pa
Monroe Industries, Inc., 1-3-4	932 36 St S.E., Grand Rapids 8	Mich
Northern Plastics Corp., 1-2-3	Second & Market Sts, LaCrosse	Wisc
Oki & Willadsen, Ltd., 1-2-3-4-5	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Otis Elevator Co., 1-2-3	35 Ryerson St, Brooklyn 5	NY
Packard-Bell Electronics Corp., Technical Products Div., 1-2-3-4-5	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
PELLEY CO., 1-4, Adv Pg 531	**37 Hurley St, Cambridge**	**Mass**
Photo Color Process Co., 1-2-3-4	400 W. Commercial St, East Rochester	NY
PHOTOCIRCUITS CORP., 1-2-3-4, Adv Pg 400	**Glen Cove**	**NY**
Plug-In Instruments, Inc., 1	1416 Lebanon Rd, Nashville 10	Tenn
Polytronic Research, Inc., 1	7326 Westmore Rd, Rockville	Md
Precision Stampings, Inc., 5	142 Fulton Ave, New Hyde Park	NY
Printronics Corp., 1-2-3-4	3127 El Camino Real, Palo Alto	Cal
Rimak, Inc., 5	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 3-5	239 Jacksonville Rd, Hatboro	Pa
Rowe Engravers, Inc., 1-4	262 E. 16th St, Paterson 4	NJ
SANDERS ASSOCIATES, INC., 1-2, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Scientific Components Inc., 1-3-4	30 S. Salsipuedes, Santa Barbara	Cal
Servomechanisms, Inc., 4	12500 Aviation Blvd, Hawthorne	Cal
Sibley Co., The, 1-3-4	Haddam	Conn
Smith-Florence, Inc., 1	4228 23rd W., Seattle	Wash
Spec-Tronics, 1-2-4	13942 Saticoy Ave, Van Nuys	Cal
STAFFORD MFG. CO., INC., 1-2-3-4-5, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Stanley Aviation Corp., 1	2501 Dallas St, Denver 8	Colo
Stromberg-Carlson, Div., Gen Dynamics Corp., 1	1895 Hancock St, San Diego 12	Cal
Techniques, Inc., 1-3-4	40 Jay St, Englewood	NJ
Technograph Printed Electronics, Inc., 1-2-3-4	920 Northwest Blvd, Winston-Salem	NC
Techron Corp., 1	20 Simmons St, Boston 20	Mass
Telegraph Condenser Co., Ltd., 1-2-3-4-5	Wales Farm Rd, Acton London W. 3	England
Templet Industries, 5	701 Atkins Ave, Brooklyn	NY
Tingstol Co., 1-2-3-4	1340 W. Fullerton, Chicago 14	Ill
UCINITE CO., DIV., UCC, 5, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Engineering Co., Div., Litton Ind., 1-2-3-4	13536 Saticoy, Van Nuys	Cal
Whitney Blake Co., 1-2-4	97 Pershing St, New Haven 14	Conn
Zenith Optical Laboratory, 1	1940 Great Neck Rd, Copiague	NY

CIRCUIT TESTERS See **TESTERS** —*CIRCUIT*
CIRCUIT-TESTING BRIDGES See **COMPARATORS: CIRCULAR-CHARTS: RECORDERS** See **RECORDERS** —*GRAPHIC*

CIRCULATORS —*MICROWAVE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Cascade Research Div., Monogram	5245 San Fernando Rd W., L A 39	Cal
Caswell Electronics Corp	414 Queens Ln, San Jose 12	Cal
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Corp., Ewen	Oak & Pine Sts, East Natick	Mass
Microwave Associates, Inc	Burlington	Mass
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Raytheon Co. Special Microwave Device Oper	Waltham Industrial Park, Waltham 54	Mass
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**

CITIZENS' RADIO See **COMMUNICATION SYSTEMS** –*CITIZENS' RADIO:* **RECEIVERS** –*CITIZENS' RADIO:* **TRANSCEIVERS** –*CITIZENS' RADIO:* **TRANSMITTERS** –*CITIZENS' RADIO*
CLAMP-ON AMMETERS See **AMMETERS**

CLAMPS
1. CABLE 2. COMPONENT 3. TUBE 4. WAVEGUIDE FLANGE

ABALON PRECISION MFG. CORP., 1, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Adel Precision Prods Div., Gen Metals Corp., 1	10777 Vanowen St, Burbank	Cal
Aerolite Electronics Corp., 1-2	2207 Summit Ave, Union City	NJ
Aeroquip Corp., 2-3-4	300 S. East St, Jackson	Mich
Aircom, Inc., 4	48 Cummington St, Boston	Mass
Aircraft Armaments, Inc., 4	Cockeysville	Md
Airtec, Inc., 2-4	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 4	200 E. Hanover Ave, Morris Plains	NJ
ALDEN PRODUCTS CO., 3, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Amatom Electronic Hardware Co., Inc., 1-2	88 Drake Ave, New Rochelle	NY
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Atlee Components, Inc., 2-3	8220 Lankershim Blvd, N. Hollywood	Cal
AUGAT BROS., INC., 2-3-4, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Avnet Electronics Corp., 1	70 State St, Westbury	NY
BIRNBACH RADIO CO., INC., 1-2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BIRTCHER CORP., 2-3, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Blinn Co., Delbert, 1	P.O. Box 757, Pomona	Cal
Bostitch, 1	East Greenwich	RI
Braun Tool & Instrument Co., Inc., H, 2-3	140 Fifth Ave, Hawthorne	NJ
Breeze Corps., Inc., 1-3	700 Liberty Ave, Union	NJ
Buggie, H.H., Div., Burndy Corp., 1	P.O. Box 817, Toledo 1	Ohio
BURNDY CORP., 1, Adv Pg 192	**Norwalk**	**Conn**
C W S Waveguide Corp., 4	301 W. Hoffman Ave, Lindenhurst	NY
Cable Electric Products, 1	234 Daboll St, Providence	RI
Carroll Pressed Metal, Inc., 1-2	133 Dewey St, Worcester	Mass
Commercial Plastics Co.	945 George St, Chicago 14	Ill
DKE ELECTRONIC BASES CORP., 1-2-3, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Detroit Stamping Co	350 Midland, Detroit 3	Mich
Deutsch Co., Electronic Components Div., 1	Municipal Airport, Banning	Cal
DOUGLAS MICROWAVE CO., INC., 4, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 3	750 Bloomfield Ave, Clifton	NJ
Eaton Mfg. Co., Reliance Div., 3	25 Charles Ave S.E., Massillon	Ohio
Electrovert, Inc., 1-2-3	124 E. 40 St, New York 17	NY
Evershed & Vignoles Ltd., 1	Chiswick, London W. 4, England	
FXR, INC., 4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fae Instrument Corp., 2	42-61 Hunter St, Long Island City 1	NY
Fastex Div., Illinois Tool Works, 1	195 Algonquin Rd, Des Plaines	Ill
FEDERAL SCREW PRODUCTS, INC., 1, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
G-C ELECTRONICS CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Components Co., 1-2	225-229 E. 144th, New York 51	NY
Graham Mfg. Co., Inc., 4	470 Bridge St, East Greenwich	RI
Gries Reproducer Corp., 1	151 Beechwood St, New Rochelle	NY
Henry & Miller Industries, Inc., 1-4	675 Garfield Ave, Jersey City 5	NJ
Holub Industries, Inc., 1	468 Elm St, Sycamore	Ill
Illumitronic Engineering, 1	680 E. Taylor, Sunnyvale	Cal
International Electronic Research Corp., 3	135 W. Magnolia Blvd, Burbank	Cal
IPPOLITO & CO., INC., JAMES, 1, Adv Pg 559	**1624 Stillwell Ave, Bronx 64**	**NY**
Joclin Mfg. Co., 1-2-3	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 1	36 Crescent St, Brooklyn 8	NY
Keystone Electronics Corp., 2	49 Bleecker St, New York 12	NY
Metal Findings Corp., 2-3	152 W. 22nd St, New York 11	NY
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
Monadnock Mills Div., United Carr, 1-2	1977 1st Ave, San Leandro	Cal
North & Judd Mfg. Co., 1	500 E. Main St, New Britain	Conn
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PIC Design Corp., Sub of Benrus Watch Co., Inc., 2	477 Atlantic Ave, East Rockaway	NY
Panduit Corp., 1	14461 Waverly, Middlothian	Ill
Parker Metal Goods Co., 1	85 Prescott St, Worcester	Mass
Peerless Electronics, Inc., 2-3	5338 Alhambra Ave, Los Angeles 32	Cal
PENN-UNION ELECTRIC CORP., 1-3, Adv Pg 528	**315 State St, Erie**	**Pa**
PORTCHESTER INSTRUMENT CORP., 4, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Mechanisms Corp., 2	577 Newbridge Ave, East Meadow	NY
PREMIER INSTRUMENT CORP., 4, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Prestole Corp., The, 1-3	1345 Miami St, Toledo	Ohio
Ross Co., Milton, 1-2	239 Jacksonville Rd, Hatboro	Pa
Smith, Inc., Herman H., 1-3	2326 Nostrand Ave, Brooklyn 10	NY
South River Metal Products Co., Inc., 1	377 Turnpike, South River	NJ
Staver Co., Inc., 3	41 N. Saxon Ave, Bay Shore	NY
Sterling Precision Corp., 2	5 Sintsink Dr E., Port Washington	NY
SWITCHCRAFT, INC., Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
TA Mfg. Corp., 1-2-3-4	4613 Alger St, Los Angeles 39	Cal
Technical Wire Products, Inc., 3	48 Brown Ave, Springfield	NJ
Thomas & Betts Co., Inc., The, 1	36 Butler St, Elizabeth 1	NJ
Timber-Top, Inc., 2	38 Brooklyn Ave, Freeport	NY
Times Facsimile Corp., 3	540 W. 58th St, New York 19	NY
Tinnerman Products, Inc., 1-3	Box 6688, Dept No 16, Cleveland 1	Ohio
Tri-ex Tower Corp., 1	127 E. Inyo, Tulare	Cal
Vemaline Products Co., 1	P.O. Box 222ED, Hawthorne	NJ
VICTOR-BERNARD INDUSTRIES, 1, Adv Pg 564	**4566 Baker St, Philadelphia 27**	**Pa**
Volkert Stampings, Inc., 3	222-34 96th Ave, Queens Village 29	NY
Waldom Electronics, Inc., 1	4621 W. 53rd St, Chicago 32	Ill
Waveline, Inc., 4	P.O. Box 718, Caldwell	NJ
Weckesser Co., 1	5701 Northwest Hwy, Chicago 46	Ill
Western Coil & Electrical Co., 1	215 State St, Racine	Wisc
Westrex Corp., Div., Litton Industries, 3	540 W. 58 St, New York 19	NY
WHITSO, INC., Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**
Zierick Mfg. Corp., 1	Beechwood & Rockdale, New Rochelle	NY

CLEANERS-AIR, ELECTRONIC *(ELECTROSTATIC)*

CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Schuyler Mfg. Corp	84 Porete Ave, North Arlington	NJ

CLEANERS –*CONTACT*

Allied Research Products, Inc	4004 E. Monument St, Baltimore 5	Md
Caig Labs	46 Stanwood Rd, New Hyde Park	NY
Ed-Berl Products, Inc	96 S. Grand Ave, Baldwin	NY
Electronic Chemical Corp	813 Communipaw Ave, Jersey City 4	NJ
ETCHOMATIC, INC., Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
London Chemical Co	1535 N. 31 Ave, Melrose Park	Ill
Oakite Products, Inc	79 Rector St, New York 6	NY

CLEANERS –*ULTRASONIC* See **ULTRASONIC EQUIPMENT**
CLEANING FLUIDS See **SOLVENTS**
CLEANING MACHINES See **MACHINES** –*PRINTED-CIRCUIT PRODUCTION:* **MACHINES** –*CLEANING*

CLIPS
1. ALLIGATOR 2. BATTERY 3. FAHNESTOCK 4. GRID 5. TEST

Acme Model Engineering Co., 2	6224 15th Ave, Brooklyn 19	NY
Aerolite Electronics Corp., 1-5	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co., 5	P.O. Box 31, Lancaster	Cal
ALDEN PRODUCTS CO., 4, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Amatom Electronic Hardware Co., Inc., 1-2-3-4	88 Drake Ave, New Rochelle	NY
Ampco Mfg. Co., 1-2-5	246 E. 2nd St, Plainfield	NJ
Anchor Specialty Mfg. Co., Inc., 5	300 Hollister Rd, Teterboro	NJ
Argonne Electronics Mfg. Corp., 1	165-11 South Rd, Jamaica 33	NY
ATLEE CORP., 2, Adv Pg 507	**47 Prospect St, Woburn**	**Mass**
BIRNBACH RADIO CO., INC., 1-2-3-5, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Cable Electric Products, 2	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., 2, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carr Fastener Co., Div., United-Carr, 2	31 Ames St, Cambridge 42	Mass
Commercial Plastics Co.	945 George St, Chicago 14	Ill
Cordo (Canada) Ltd., 2	149 Sterling Rd, Toronto 3, Ontario, Canada	
Dante Electric Mfg. Co	P.O. Box 6, Bantam	Conn
FEDERAL SCREW PRODUCTS, INC., 1-2-3-4, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
G-C ELECTRONICS CO., 1-3-4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
INDUSTRIAL DEVICES, INC., 5, Adv Pg 558	**Edgewater 8**	**NJ**
Javex Electronics, 1	P.O. Box 646, Redlands	Cal
Keystone Electronics Corp., 2	49 Bleecker St, New York 12	NY
Littelfuse, Inc	1865 Miner St, Des Plaines	Ill
Metal Findings Corp., 1	152 W. 22nd St, New York 11	NY
Millen Mfg. Co., James, 4	150 Exchange St, Malden	Mass
Molded Insulation Co., 5	335 E. Price St, Phila 44	Pa
Monadnock Mills Div., United Carr, 4	1977 1st Ave, San Leandro	Cal
Mueller Electric Co., 1-2-5	1582H E. 31st St, Cleveland 14	Ohio
NATIONAL RADIO CO., 4, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
PENN-UNION ELECTRIC CORP., 2, Adv Pg 528	**315 State St, Erie**	**Pa**
RAPID SPECIALTIES CO., 5, Adv Pg 562	**327 W. Huron St, Chicago 10**	**Ill**
Rye Sound Corp., 1-5	145 Elm St, Mamaroneck	NY
Smith, Inc., Herman H., 1-2-3-4-5	2326 Nostrand Ave, Brooklyn 10	NY
Sorensen Industrial Electronic Co., 5	Rt 10, Dover	NJ
Sterling Precision Corp., 1	5 Sintsink Dr E., Port Washington	NY
UCINITE CO., DIV., UCC, 2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Waldom Electronics, Inc., 3	4621 W. 53rd St, Chicago 32	Ill
WALSCO ELECTRONICS MFG. CO., 1-2-3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Weckesser Co	5701 Northwest Hwy, Chicago 46	Ill
Zierick Mfg. Corp., 3-4	Beechwood & Rockdale, New Rochelle	NY

CLOCKS –*COMPUTER*

Chrono-Log Corp	P.O. Box 4587, Philadelphia 31	Pa
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Di An Controls, Inc	40 Leon St, Boston 15	Mass
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
PENNWOOD NUMECHRON CO., Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
Seth Thomas Div of General Time Corp	Main St, Thomaston	Conn
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Vitro Corp of America	261 Madison Ave, New York 16	NY
Walkirt Co.	141 W. Hazel St, Inglewood 3	Cal
Waltham Precision Instrument Co	221 Crescent St, Waltham	Mass

CLOSED-CIRCUIT TV See **TV SYSTEMS**
CLOSURES –*AN CONNECTOR* See **CAPS**
CLOTH See **FABRICS**
CLOTH PARTS See **FABRIC PARTS**

CLUTCHES –*MAGNETIC*

Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
AUTOTRONICS, INC., Adv Pg 439	**P.O. Box 208, Florissant**	**Mo**
Dial Products Co	19 Cottage St, Bayonne	NJ
DYNAMIC INSTRUMENT CORP., Adv Pg 514	**59 New York Ave, Westbury**	**NY**
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Formsprag Co.	26303 Hoover Rd, Warren	Mich
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Guidance Controls Corp	110 Duffy Ave, Hicksville	NY
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Mechatrol Div., Servomechanisms, Inc.	1200 Prospect Ave, Westbury	NY
Orbit Instrument Corp	131 Eileen Way, Syosset	NY
Pintsch Bamag AG	Postfach 11, Butzbach, Germany	
Radio Condenser Co	Camden	NJ
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Ultronix, Inc	111 E. 20th Ave, San Mateo	Cal
Warner Electric Brake & Clutch Co	Beloit	Wisc

COATINGS
1. ANTISTATIC 2. CONDUCTIVE 3. FUNGICIDAL 4. PROTECTIVE, PERMANENT & SEALING 5. PROTECTIVE, REMOVABLE 6. SALT-SPRAY-RESISTANT 7. VACUUM-METALLIZED See Also **DOPES: ENAMELS: PAINTS: RESINS: SILICONES: VARNISHES**

Acheson Colloids Co., 1-2	1950 Washington Ave, Port Huron	Mich
Alpha Metals, Inc	600 Water St, Jersey City	NJ
Amerconda Chemical Co., 1-2-4-5-6	170 Broadway, New York 38	NY
American Smelting & Refining Co., 4-5	120 Broadway, New York 5	NY
American Solder & Flux Co., 4-5-6	19th & Willard Sts, Philadelphia 40	Pa
Amflex Products Dept., Amer Mach & Fdry. Co., 4-7	689 Hope St, Springdale	Conn

Aries Laboratories, Inc., 4	225 Greenwich Ave, Stamford	Conn
AUDIOTEX MFG. CO., 1, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Biggs Co., Inc., Carl H., 2-3-4-6	1547 14th St, Santa Monica	Cal
Blaco Manufacturing Co., 5	6541 Euclid Ave, Cleveland 3	Ohio
Borden Chemical Co., Div., Borden Co., 3-4	350 Madison Ave, New York 17	NY
CTS CORP., 2, Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
Carboline Co., 4-5-6	32 Hanley Industrial Ct, St. Louis 17	Mo
Catalyst Research Corp., 7	6101 Falls Rd, Baltimore 9	Md
Ceramco Inc., Chemists, 2-4-6	173 Ridge St, Newark 4	NJ
Chemical Development Corp., 1-4-5	Endicott St, Danvers	Mass
COLUMBIA TECHNICAL CORP., Adv. Pgs. 282, 283	**61-02 31 Ave, Woodside 77**	**NY**
COMPUTER INSTRUMENTS CORP., 2, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Cooper Development Corp., 4	2626 S. Peck Rd, Monrovia	Cal
Delta Chemical Works, 3-4	21 W. 60th St, New York	NY
DOW CORNING CORP., 4, Adv. Pgs. 238, 239	**Midland**	**Mich**
du Pont de Nemours & Co., Inc., E.I., 2-3-4-6	Wilmington 98	Del
ELECTRO SEAL CORP., 4, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Chemical Corp., 5	813 Communipaw Ave, Jersey City 4	NJ
Electronic Service Corp., 3-4-6	2906 Birch St, Franklin Park	Ill
Emerson & Cuming, Inc., 2-4-5-6	869 Washington St, Canton	Mass
Esso Standard, Div of Humble Oil & Refng. Co. 4-5-6	15 W. 51 St, New York 19	NY
ETCHOMATIC, INC., 2-4-5, Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
Fidelity Chemical Products Corp., 2-5	472 Frelinghuysen Ave, Newark	NJ
Fuller Co., H.B., 4-6	255 Eagle St, St. Paul 2	Minn
Furane Plastics, Inc., 4	4516 Brazil St, Los Angeles 39	Cal
General American Transportation Corp., 4-6	135 S. La Salle St, Chicago 3	Ill
General Electric Co., Silicone Prods Dept., 4-5-6	Dept A, Waterford	NY
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
General Plastics Corp., 2-4-6	P.O. Box 1689, Paterson	NJ
Goodrich Industrial Products Co., B.F., 2-4-5-6	500 S. Main St, Akron 18	Ohio
Goodyear Tire & Rubber Co., Chemical Div., 4	1144 E. Market St, Akron 16	Ohio
Green Rectifier Co., 7	1-10 30th St, Fair Lawn	NJ
Gulton Industries, Inc., 4	212 Durham Ave, Metuchen	NJ
Halex, Inc., 2-7	310 E. Imperial Hwy, El Segundo	Cal
HANDY & HARMAN, 2, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Hi-Test Chemical Corp., 4	722 64th St, Brooklyn 20	NY
Huron Industries, 1-2	P.O. Box 104, Port Huron	Mich
Hysol Corp., 2-4-6	Olean	NY
Injectorall Co., 4	12 Bay 50 St, Brooklyn 14	NY
Insulation Manufacturers Corp., 3-4-5	565 W. Washington Blvd, Chicago 6	Ill
Isochem Resins Co., 2-4-5-6	221 Oak St, Providence 9	RI
Johns-Manville, 4	22 E. 40 St, New York 16	NY
Kato Engineering Co., 1-2-4	1415 First Ave, Mankato	Minn
KIDDE & CO., INC., WALTER, 8-12-17-19,		
Kinney Vacuum Div., New York Air Brake Co., 7	3529 Washington St, Boston	Mass
Koppers Co., Inc., 4	Koppers Bldg, Pittsburgh 19	Pa
Kressilk Products, Inc., 2-3-4	73 Murray St, New York 7	NY
Krylon, Inc., 4-6	Ford & Washington, Norristown	Pa
Lam-Ply Inc., 4-6	Railroad Sq, Nashua 5	NH
London Chemical Co., 4-6	1535 N. 31 Ave, Melrose Park	Ill
MacDermid Inc., 6	526 Huntington Ave, Waterbury 20	Conn
Materials for Electronics, Inc., 2	152-25 138 Ave, Jamaica 34	NY
Melpar, Inc., 3	3000 Arlington Blvd, Falls Church	Va
Metachem Resins Corp., 2-4-5-6	530 Wellington Ave, Cranston 10	RI
Metal & Thermit Corp., 4-6	Rahway	NJ
Metavac, Inc., 1-7	45-68 162 St, Flushing 58	NY
Micro-Circuits Co., 1-2-4-6	New Buffalo	Mich
Minnesota Mining & Mfg. Co., 4-5-6	900 Bush Ave, St. Paul 6	Minn
Minnesota Mining & Mfg. Co., Magnetic Prods. Div., 2	900 Bush Ave, St. Paul 6	Minn
Mitronics, Inc., 2	1290 Central Ave, Hillside	NJ
Morningstar-Paisley, Inc., 1-4-5	630 W. 51st St, New York 19	NY
NRC Equipment Corp., 7	160 Charlemont St, Newton 61	Mass
Navan Products, Inc., Sub., North American Aviation, Inc., 5	900 N. Sepulveda, El Segundo	Cal
New England Tape Co., Div., United-Carr Fastener Corp., 4-6	10 Tower St, Hudson	Mass
Norton Co., 4	1 New Bond St, Worcester 6	Mass
Oakite Products, Inc., 5-6	79 Rector St, New York 6	NY
Oki & Willadsen, Ltd., 1-2-3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Optical Coating Laboratory, Inc., 1-2-7	2789 Giffen Ave, Santa Rosa	Cal
Pacific Universal Products Corp., 7	168 Vista Ave, Pasadena 8	Cal
PENN-UNION ELECTRIC CORP., 4-5, Adv Pg 528	**315 State St, Erie**	**Pa**
Permacel Tape Corp., 4-5-6	U.S. Hwy 1, New Brunswick	NJ
Pettinos Graphite Corp., Charles, 2	1 E. 42 St, New York 17	NY
Philadelphia Quarty Co., 2-4	1146K Public Ledger Bldg, Phila 6	Pa
Pierce & Stevens Chemical Corp., 2-4-6	710 Ohio St, Buffalo 3	NY
Pittsburgh Plate Glass Co., 1-2	1 Gateway Center, Pittsburgh 22	Pa
Plastics & Coal Chemicals Div., Allied Chemical Corp., 3-4-6	40 Rector St, New York 6	NY
Poly-Kote, Inc., 2-4-6-7	82 Chestnut St, North Attleboro	Mass
POLYMER CORP., 4-6, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Polymer Industries, Inc., 4	Springdale	Conn
Polytronic Research, Inc., 2-4-6	7326 Westmore Rd, Rockville	Md
Products Research Co., 2-4	3126 Los Feliz Blvd, Los Angeles 39	Cal
Protective Coatings Corp.	596 River Rd, Clifton	NJ
Reilly Tar & Chemical Corp., 4	11 S. Meridian St, Indianapolis 4	Ind
Robins Industries Corp., 1	36-27 Prince St, Flushing 54	NY
Sauereisen Cements Co., 2-4	Sauereisen Bldg, Pittsburgh 15	Pa
Schenectady Varnish Co., Inc., 3-4-6	Congress St & 10th Ave, Schenectady 3	NY
Sel-Rex Corp., 2-4-5	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc., 6-7	550 S. Fulton Ave, Mt. Vernon	NY
Silicones Div., UCC, 2-4-6	270 Park Ave, New York 17	NY
Sparta Mfg. Co., 4	P.O. Box 107, Dover	Ohio
Spectra-Strip Wire & Cable Corp., 5	P. O. Box 415, Garden Grove	Cal
Standard-Toch Chemicals, Inc., 2-3-4-5-6-7	2600 Richmond Terr, Staten Island 3	NY
Stevenson Brothers & Co., 3-4-5-6	110 Race St, Philadelphia 6	Pa
Stonhard Co., Inc., 3-4	401 N. Broad St, Philadelphia 8	Pa
Swenson Co., Inc., V.H., 7	552 Elm St, Kearny	NJ
TECHNOLOGY INSTRUMENT CORP., 2-7, Adv Pg 223	**533 Main St, Acton**	**Mass**
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 4, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thomas Electronics, Inc., 2	118 Ninth St, Passaic	NJ
Tickle Engineering Works, A., 4	23 Delavan St, Brooklyn	NY
Topper Mfg. Co., Inc., 2-4-6	84-56 Parsons Blvd, Jamaica 32	NY
Trionics Corp., 2-4-5-6	P. O. Box 548, Madison 1	Wisc
U.S. Rubber Co., 4	1230 Ave of the Americas, New York 20	NY
Vacuum Equip Div., New York Air Brake Co., 1-2-7	1325 Admiral Wilson Blvd, Camden	NJ
Vorac Co., 2-4-6	147 Meadow Rd, Rutherford	NJ
ZIPPERTUBING CO., 1-2-3-4-5-6, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**
Zophar Mills, Inc., 3-4-5-6	115 26th St, Brooklyn 32	NY

COATING THICKNESS TESTERS See GAGES –*COATING THICKNESS*
COAXIAL ATTENUATORS See ATTENUATORS –*MICROWAVE*
COAXIAL CABLES See CABLES –*COAXIAL*
COAXIAL CAPACITORS See CAPACITORS –*VARIABLE*
COAXIAL FILTERS See FILTERS
COAXIAL PLUGS See PLUGS-COAXIAL

COBALT

Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Delta Chemical Works	21 W. 60th St, New York	NY
Foote Mineral Co.	452 W. Chelten Bldg, Philadelphia 44	Pa
Halex, Inc.	310 E. Imperial Hwy, El Segundo	Cal
Kulite Tungsten Corp	1040 Hoyt Ave, Ridgefield	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY

CODE & TAB MARKERS See LABELS: TAPES
CODE CONVERTERS See CONVERTERS –*SIGNAL*
CODERS –*COMPUTER* See ENCODERS
CODING EQUIPMENT See KEYERS
COEFFICIENT BRIDGES See BRIDGES

COEFFICIENT METALS *(TEMPERATURE-EXPANSION)*

Allegheny Ludlum Steel Corp	2020 Oliver Bldg, Pittsburgh 22	Pa
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Ceramco Inc., Chemists	173 Ridge St, Newark 4	NJ
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Metavac, Inc.	45-68 162 St, Flushing 58	NY
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY

COIL BOBBINS See BOBBINS
COIL BOXES See BOXES –*DECADE & EIA VALUES*
COIL DOPES See DOPES –*COIL*
COIL FORMS See FORMS –*COIL*

COILS

1. ANTENNA LOADING 2. CHOKE, A-F 3. CHOKE, POWER-FREQUENCY 4. CHOKE, R-F (Incl. SLUG-ADJUSTED SINGLE TV CENTERING, LINEARITY, PEAKING AND WIDTH CONTROL COILS)- DEFLECTION: See YOKES –*DEFLECTION-DEGAUSSING:* See DEMAGNETIZERS: ERASERS *5. FOCUSING, TV 6. FOIL-WOUND 7. HIGH-TEMPERATURE (500 F) 8. METALLIZED GLASS 9. MOTOR & GENERATOR FIELD 10. PICKUP, PROXIMITY (DETECT METAL PARTS) 11. PURITY, COLOR TV 12. Q STANDARD 13. R-F WORK, INDUCTION HEATING 14. SPEAKER VOICE COIL 15. TELEPHONE PICKUP-TOROID:* See TOROIDS *16. TRAVELING-WAVE TUBE FOCUSING 17. WINDINGS ONLY (FOR IRON-CORE DEVICES SUCH AS ELECTROMAGNETS, MAGNETIC AMPLIFIERS, SATURABLE REACTORS, RELAYS, SOLENOIDS, SPEAKER FIELDS & TRANSFORMERS)*

AC Electronics, Inc., 1-2-3-4-6-7-10-12-17	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 1-2-3-4-6-7-10-12-13-17, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 2-6-15, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
A.P.W. Co., 5-6-7-15-16-17	72 W. Main St, Rockaway	NJ
A R & D A, 17	135 Main St, Belleville 9	NJ
Ace Coil & Electronics Co., 4-17	912 Lincoln Hwy, Metuchen	NJ
Acme Wire Co., 17	New Haven 14	Conn
Advance Ross Electronics Corp., 17	2538 Peterson Ave, Chicago 45	Ill
Advanced Electronics, Inc., 7-17	94 Silas Deane Hwy, Rocky Hill	Conn
Aerocoil, Inc., 1-2-3-4-14-17	2207 Summit Ave, Union City	NJ
Aetna Electronics Corp., 1	Readington Rd, North Branch	NJ
Airdesign Corp., 2-3	P.O. Box 987, Norristown	Pa
Airesearch Mfg. Co of Ariz., 9-17	402 S. 36 St, Phoenix	Ariz
Aladdin Electronics Div of Aladdin Industries Inc., 4	711 Murfreesboro Rd, Nashville 10	Tenn
All-Tronics, Inc., 4	45 Bond St, Westbury	NY
ALLEN AVIONICS INC., 4-17, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
ALLIED CONTROL CO., INC., 17, Adv Pg 48	**2 East End Ave, New York 21**	**NY**
American Measurement & Control, Inc., 7-17	240 Calvary St, Waltham 54	Mass
American-Monarch Corp., 2-3-17	2801 37 Ave N.E., Minneapolis	Minn
American Rectifier Corp., 17	95 Lafayette St, New York 13	NY
American Research & Mfg. Corp., 17	920 Halpine Ave, Rockville	Md
American Silver Co., Inc., 9	36-07 Prince St, Flushing 54	NY
Amp Inc., Capitron Div., 2-3-6-7-16-17	155 Park St, Elizabethtown	Pa
Anderson Controls, Inc., 17	9959 Pacific Ave, Franklin Park	Ill
Annis Co., R.B., 17	1101 N. Delaware St, Indianapolis	Ind
Antennavision, Inc., 1-2-3-4	2949 W. Osborn Rd, Phoenix	Ariz
Arco Transformer & Electric Co., 2-3-17	1602 S. Hanna St, Fort Wayne	Ind
Ardente Acoustic Laboratories, Ltd., 2-17	8/12 Minerva Rd, London N.W. 10, England	
Argonne Electronics Mfg. Corp., 15	165-11 South Rd, Jamaica 33	NY
ARNOLD MAGNETICS CORP., 3-17, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Artted Co., Inc., 1-2-4-7-11	367 Worthington St, Springfield 3	Mass
Atlantic Transformer Corp., 2-3-17	30 Hynes Ave, Groton	Conn
Atlas Coil, Inc., 6-7-10-11-12-16-17	63 Main St, Ansonia	Conn
ATLAS ENGINEERING CO., 6-7-9-10-14-15-17, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Atlas Resistor Co., 2-3-12-17	1128 Madison St, Chester	Pa
Aurex Corp., 17	315 W. Adams St, Chicago 6	Ill
AUTOMATIC COIL CO., 4-17, Adv Pg 482	**199 Sackett St, Brooklyn**	**NY**
Automation Industries, Inc., 1-2-3-4-5-6-13-16-17	3613 Aviation Blvd, Manhattan Beach	Cal
Automation Industries, Inc., Magnetics Div., 3-4-6-7-16-17	771 Hamilton Ave, Menlo Park	Cal
Axel Resistor Corp., 4-17	134-20 Jamaica Ave, Richmond Hill	NY
Barker & Williamson, 1-2-3-4-13	Canal & Beaver Sts, Bristol	Pa
Barwood Electronics, Inc., 2-3	120 S. Maryland Ave, Glendale 5	Cal
Basler Electric Co., 2-3-9-17	P. O. Box 269, Highland	Ill
Bassett, Inc., Rex, 1	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bayly Engineering, Ltd., 2-17	Hunt St, Ajax, Ontario, Canada	
Bel-Tronics Corp., 2-4	Industrial Ave, Addison	Ill
Bishop & Co., J., Platinum Works, 13	Malvern	Pa
Bitterman Electric Co., Inc., 1-2-3-4-5-7-13-14-15-16-17	P.O. Box 1877, Canaan	Conn

Blackburn Electronic Corp., 2-4-5-7-17	55 W. 7th St, Wyoming	Pa
Boesch Mfg. Co., 10	45 River St, Danbury	Conn
Bud Radio, Inc., 4	2118 E. 55th St, Cleveland 3	Ohio
Bundy Electronics Corp., 2-3-17	173 Fabyan Pl, Newark	NJ
BURNELL & CO., INC., 12-17, Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
Cable Electric Products, 17	234 Daboll St, Providence	RI
Caddell Burns Mfg. Co., Inc., 1-4-12-17	40 E. 2nd St, Mineola	NY
Calbest Electronics Co., 2-4	4801 Exposition Blvd, Los Angeles 16	Cal
Caledonia Electronics & Transformer Co., 2-3	Caledonia	NY
Cambridge Electronics Corp., 11	P.O. Box 23, Newton Lower Falls 62	Mass
CAMBRIDGE THERMIONIC CORP., 1-2-3-4, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Canadian Marconi Co., 2-3-6-16-17	2444 Trenton Ave, Montreal, Canada	
Carol Electronics Corp., 2-3	315 W. Stephen St, Martinsburg	W. Va
Carruthers & Fernandez, Inc., 2-3-7-17	1501 Colorado Ave, Santa Monica	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 5-6-7-9-16, Adv. Pgs. 286,287	**P.O. Box 555, Mahwah**	**NJ**
Central Coil Co., 2-4-17	1722 N. Luett St, Indianapolis	Ind
Central Transformer Co., 2-3-6-7-17	910 W. Jackson Blvd, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 2-4-5, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Chicago Telephone of California, 2-17	105 Pasadena Ave, South Pasadena	Cal
Cinema Engineering Div., Aerovox Corp., 2-3-17	1100 Chestnut St, Burbank	Cal
Cleveland Electronics, Inc., 14	1974 E. 61st St, Cleveland 3	Ohio
Clifton Mfg. Co., Inc., 17	20 N. Springfield Rd, Clifton Heights	Pa
Coast Coil Co., 2-17	5333 W. Washington Blvd, Los Angeles	Cal
Coil Co of America, Inc., 2-3-4-6-7-9-10-17	220 Washington St, Northvale	NJ
Coil Winders, Inc., 3-4-12-17	Ames Ct., Plainview	NY
Coilcraft, Inc., 2-4-7-10-11-17	Cary	Ill
Coils-Electronics Co., 1-2-3-4-7-10-12	2939-49 N. 2nd St, Philadelphia 33	Pa
Colman Electronic Products, Inc., 1	P.O. Box 2965, Amarillo	Tex
COMMUNICATION ACCESSORIES CO., 2-3-6-17, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee' Summit**	**Mo**
Communication Equipment & Engineering, 12-17	5648 W. Race Ave, Chicago	Ill
Component Research Co., Inc., 7-8	3019 S. Orange Dr, Los Angeles 16	Cal
Computer Components, Inc., 2-3-4-7-13-15-17	88-06 Van Wyck Expwy, Jamaica 18	NY
Consolidated Productions, Inc., 4-17	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Control Data Corp., Cedar Engr. Div., 9-10-17	501 Park Ave, Minneapolis 15	Minn
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Electric Co., 1	2700 Southport Ave, Chicago 14	Ill
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 8, Adv Pg 485	**550 High St, Bradford**	**Pa**
Cornwell Electronics Corp., 17	84 S. Water St, Byram	Conn
COTO-COIL CO., INC., 7-10-17, Adv Pg 500	**65 Pavilion Ave, Providence 5**	**RI**
CRESCENT ENGINEERING & RESEARCH CO., 7, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Crest Transformer Corp., 2-17	1834-36 W. North Ave, Chicago 22	Ill
Crittenden Transformer Works, Inc., 3-17	13011 S. Spring St, Los Angeles 61	Cal
Culbertson Products, Inc., 8	25 Samson Ave, Madison	NJ
Cycle Transformer Corp., 2-3-7-17	354 Glenwood Ave, East Orange	NJ
D & R Ltd., 2-3-7-17	402 E. Gutierrez, Santa Barbara	Cal
DX Radio Products Co., Inc., 1-2-3-4-5-7-8-10-14-15-17	2300 Armitage Ave, Chicago 47	Ill
DANO ELECTRIC CO., 3-7-14-17, Adv Pg 544	**Main St, Winsted**	**Conn**
DE COURSEY ENGINEERING LABORATORY, 2, Adv Pg 460	**11828 W. Jefferson Blvd, Culver City**	**Cal**
Deeco Instruments, 2-12	14737 Arminta St, Van Nuys	Cal
DeHavilland Aircraft/Spec. Prods. Div., 9-17	Downsview, Ontario, Canada	
DIETZ DESIGN, INC., 1-2-3-4-17, Adv Pg 499	**Grandview 6**	**Mo**
DEL ELECTRONICS CORP., 3, Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
Delevan Electronics Corp., 4-7-15-17	77 Olean Rd, East Aurora	NY
Delta Coils, Inc., 4-7-10	1128 Madison Ave, Paterson 3	NJ
DELUXE COILS, INC., 17, Adv Pg 141	**P.O. Box 454, Wabash**	**Ind**
DeWitt Development Co., 14-15-17	3008 W. 127 St, Blue Island	Ill
DIETZ DESIGN, INC., 1-2-3-4-17, Adv Pg 499	**Grandview 6**	**Mo**
Dimion Coil Co., Inc., 2-3-4-5-7-9-11-14-15-17	Caledonia	NY
Dormeyer Industries, 17	3418 N. Milwaukee Ave, Chicago 41	Ill
EIR Corp., 17	5177 Overland Ave, Culver City	Cal
EMP Electronics Research Labs., Inc., 3-17	3131 N. 29th Ave, Phoenix	Ariz
E.P. Electric Products Co., Ltd., 17	9720 Waverly St, Montreal 12, Que, Canada	
Eagle Signal Co., A Div of The Gamewell Co., 17	202 20th St, Moline	Ill
Eastern Precision Resistor Corp., 1-2-3	675 Barbey St, Brooklyn	NY
Ecco High Frequency Corp., 13	7020 Hudson Blvd, North Bergen	NJ
Electran Mfg. Co., 2-3-17	1909 N. Clybourn, Chicago	Ill
Electrend Products Corp., 1	State & Water Sts, St. Joseph	Mich
The Electric Autolite Co., 9	Champlain St, Toledo 1	Ohio
Electrical Windings, Inc., 2-3-17	2015 N. Kolmar, Chicago 39	Ill
Electro Engineering Works, 3	401 Preda St, San Leandro	Cal
Electro Networks, Inc., 2	P.O. Box 424, Syracuse	NY
ELECTRO SEAL CORP., 8, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro-Winders Co., Inc., 1-2-3-4-5-7-15-17	854 W. Front St, Covina	Cal
Electrodynamic Instrument Corp., 2-3-7-17	1841 Old Spanish Trail, Houston 25	Tex
Electronic Assembly Co., Inc., 3	5 Prescott St, Roxbury	Mass
ELECTRONIC COILS, INC., 17, Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Electronic Components Div., Telecomputing Corp., 17	14706 Arminta St, Van Nuys	Cal
Electronic Organ Arts, Inc., 2	4949 York Blvd, Los Angeles 42	Cal
Electronic Transformer Co., 2-3-4-6-7-10-15-17	70 Washington St, Brooklyn 1	NY
El-Rad Mfg. Co., 4	4300 N. California Ave, Chicago 18	Ill
ENDICOTT COIL CO., INC., 17, Adv Pg 465	**24 Charlotte St, Binghamton**	**NY**
English Electric Valve Co., Ltd., 16	Chelmsford, Essex, England	
EPCO PRODUCTS INC., 2-3-7-17, Adv Pg 438	**P.O. Box 298, Wallkill**	**NY**
Essex Electronics Div of Nytronics, Inc., 2-7	550 Springfield Ave, Berkeley Heights	NJ
Ferro-Magnetics Co., 4	989 Commercial St, Palo Alto	Cal
Ferrotran Electronic Co., Inc., 2-3-17	693 Broadway, New York 12	NY
Fisher Engineering, Inc., 2-3	2060 U.S. 24 E. Box 327, Huntington	Ind
Five Star Co., 7-9-17	10 W. Main St, Plantsville	Conn
Forbes & Wagner, Inc., 4-7-17	345 Central Ave, Silver Creek	NY
Forest Electric Co., 2-3-7	7216 Circle Rd, Forest Park	Ill
Foster Transformer Co., 2-3	3820 Colerain Ave, Cincinnati 23	Ohio
FREED TRANSFORMER CO., INC., 2, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Fugle-Miller Laboratories, Inc., 1-4-10-16-17	301 Central Ave, Clark	NJ
GATES RADIO CO., 1-2-3-4-13, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 1-2-4-14-15	147-12 Liberty Ave, Jamaica 35	NY
Genistron, Inc., 2-3-4-7	6320 W. Arizona Circle, Los Angeles 45	Cal
Geotronic Labs., Inc., 2-3-17	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 6-9-17	4868 N. Clark, Chicago 40	Ill
Globe Electronics, Div Textron Electronics Inc. 17	22-30 S. 34th St, Council Bluffs	Iowa
Good-All Electric Mfg. Co., 6	112 W. First St, Ogallala	Neb
Goodmans Industries Ltd., Axiom Works, 3-14	Wembley, Middlesex, England	
Gorman Machine Corp., 17	480 S. Main St, Randolph	Mass
Goslin Electric & Mfg. Co., 2-3-6-7-17	2921 W. Olive St, Burbank	Cal
Grand Transformers, Inc., 2-3-17	Hey St, Grand Haven	Mich
GRAY & KUHN, 4-16, Adv Pg 473	**80 Swalm St, Westbury**	**NY**
Green Rectifier Co., 3-17	1-10 30th St, Fair Lawn	NJ
Greenfield Components Corp., 8	184 Shelburne St, Greenfield 16	Mass
Grinnel-Harris Electronics, 4-6-7-17	4132 Temple City Blvd, Rosemead	Cal
Guardian Electric Mfg. Co., 10-17	1621 W. Walnut St, Chicago 12	Ill
HI-G, INC., 1-7-13, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Hadley Co., Inc., Robert M.	5112 S. Hoover St, Los Angeles 37	Cal
Hagen Mfg. Co., 17	104 Walnut St, Baraboo	Wisc
Hall Mfg. Co., 17	3901 Wesley Terr, Schiller Park	Ill
HALLICRAFTERS CO., 1-4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harder Co., Donald C., 2-5-10-17	2580 K St, San Diego	Cal
Heinz-Mueller Engineering Co., Inc., 9	4725 Iowa St, Chicago 51	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2-3-6-7-17	P.O. Box 978, Garland	Tex
Hindle Transformer Co., Inc., 3-13-17	Woods Church Rd, Flemington	NJ
Hisonic, Inc., 2-4-17	P.O. Box 534, Shawnee	Kan
Houlihan Co., T.J., 1-4-9-10-11-13-14-15-17	2510 W. Lawrence Ave, Chicago 25	Ill
I. H. Manufacturing Co., 17	121 Greene St, New York 12	NY
Illumitronic Engineering, 1-2-4	680 E. Taylor, Sunnyvale	Cal
Induction Heating Corp., 13	181 Wythe Ave, Brooklyn 11	NY
Industrial Transformer Corp., 17	Gouldsboro	Pa
INDUSTRIAL WINDING MACHINERY CORP., 17, Adv Pg 529	**120 Wall St, New York 5**	**NY**
Industron Corp., 13	55 Needham St, Newton Highlands	Mass
Intercontinental Electronics, 2-17	1551 Franklin Ave, Mineola	NY
J.F.D. ELECTRONICS CORP., 8, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
James Electronics Inc., 2-10-15-17	4050 N. Rockwell St, Chicago 18	Ill
Jeffers Electronics Div., Speer Carbon Co., 4	Hoover Ave, DuBois	Pa
Johnson Co., E.F., 1-4-13	Waseca	Minn
Johnson Electronics, Inc., 2-4-17	P.O. Box 1675, Casselberry	Fla
K-W Engineering Works, 1	N50 W16328 Pin Oak Ct, (P.O.) Butler	Wisc
KEARFOTT DIV., GEN PRECISION, INC., 16, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelvin Electric Co., 2	5907 Noble Ave, Van Nuys	Cal
Kenyon Transformer Co., Inc., 2-3	1057 Summit Ave, Jersey City 7	NJ
Keystone Products Co., 3	904-6 23 St, Union City	NJ
Laboratory for Electronics, Inc., 3-4-7-17	1079 Commonwealth, Boston 15	Mass
Lee Electric, Inc., 17	566 52 St, West New York	NJ
Leetronics, Inc., 17	30 Main St, Brooklyn	NY
LEPEL HIGH FREQUENCY LABS., INC., 13, Adv Pg 544	**1548 37 Ave, Woodside 77**	**NY**
Life Instrument Co., Inc., 17	100 Brook St, Franklin	Mass
Line Electric Co., 17	229 River St, Orange	NJ
Linell Engineering Corp., 4	3974 N. Avondale, Chicago 41	Ill
Lisk Co., Inc., G.W., 6-7-16-17	40 South St, Clifton Springs	NY
Lucas-Rotax, Ltd., 7-9	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Lumen, Inc., 3-17	P.O. Box 905, Joliet	Ill
Magnatran, Inc., 3	P.O. Box 211, Kearny	NJ
Magnetec Corp., The, 17	7232 Eton Ave, Canoga Park	Cal
Magnetic Circuit Elements, Inc., 2-3	3722 Park Pl, Montrose	Cal
Magnetic Specialties, Inc., 3-17	P.O. Box 476, Trenton 3	NJ
Magnetic Windings Div., Essex Wire Corp., 2-3-17	Freemansburg at Hobson, Easton	Pa
Magnetico, Inc., 2-17	6 Richter Ct, East Northport	NY
MANSON LABORATORIES, INC., 3, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Mara Electronics, Inc., 2-3	44 Court St, Brooklyn 1	NY
Marstan Electronics Corp., 6-17	204 Babylon Trnpk, Roosevelt	NY
Materials for Electronics, Inc., 1-4	152-25 138 Ave, Jamaica 34	NY
Melco Products, Inc., 17	301 Fifth Ave S., Minneapolis 15	Minn
MENLO PARK ENGINEERING, 16, Adv Pg 482	**711 Hamilton Ave, Menlo Park**	**Cal**
Merco Products, Inc., 7	1298 Bethel Dr, Eugene	Ore
Mercury Transformer Corp., 2-3-17	12964 Panama St, Los Angeles 66	Cal
Merit Coil & Transformer Corp., 2-3-4-5-17	2027 Sherman St, Hollywood	Fla
Micromag Instrument Corp., 17	115 Halleck St, Roxbury	Mass
MICROTRAN CO., INC., 2-3-4-15, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Millen Mfg. Co., James, 1-4	150 Exchange St, Malden	Mass
Miller Co., J.W., 4	5915 S. Main St, Los Angeles	Cal
Miller Co., L. C., 13	5005 E. Slauson Ave, L A 22	Cal
Minitran Corp., 2-3-7-17	5 Oliver St, Newark 2	NJ
Modelectric Products Corp., 2-4-17	1500 Bangs Ave, Asbury Park	NJ
Mosley Electronics, Inc., 1	4610 N. Lindbergh, Bridgeton	Mo
Munston Electronic Mfg. Corp., 1	Beech St, Islip	NY
Muter Co., 4	1255 S. Michigan, Chicago 5	Ill
National Coil Co., 2-4-17	P.O. Box 1237, Sheridan	Wyo
National Electric Coil Div., McGraw Edison Co., 9	800 King Ave, Columbus 16	Ohio
Network Industries Inc., 2	P.O. Box 397, Bayonne	NJ
Newport Scientific Co., 2-3-17	638 W. 17th St, Costa Mesa	Cal
New York Coil Co., Inc., 2-3-4-7-13-17	Phoenixville 12	Pa
New York Transformer Co., Inc., 2-3-7-16	Third Ave, Alpha	NJ
Norbatrol Electronics Corp., 17	356 Collins Ave, Pittsburgh 6	Pa
NORTH HILLS ELECTRIC CO., INC., 1-4-7-10-14-15-17, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Nothelfer Winding Labs., Inc., 3-17	P.O. Box 455, Trenton 3	NJ
Oaktron Electric Co., 13-15-17	Tinley Park	Ill
Ohio Crankshaft Co., Tocco Div., 13	3800 Harvard Ave, Cleveland 5	Ohio
Ohmite Mfg. Co., 4	3601 Howard St, Skokie	Ill
OPAD ELECTRIC CO., 3, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Ortho Filter Corp., 2-3-7-12-17	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 2-3-5-6-7-9-10-12-13-14-15-16-17	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 3-7-17	712 S.E. Hawthorne Blvd, Portland 14	Ore
Osborne Transformer Corp., 2-3	3834 Mitchell Ave, Detroit 7	Mich
OXFORD ELECTRIC CORP., 2, Adv Pg 556	**3911 S. Michigan Ave, Chicago 53**	**Ill**
Palmer, Inc., M.V., 15	4108 N.W. Fruit Valley Rd, Vancouver	Wash
Palo Alto Engineering Co., 2-3-7-16-17	620 Page Mill Rd, Palo Alto	Cal
Penn-East Engineering Corp., 2-3	P.O. Box 240, Kutztown	Pa
Penn Tran Corp., 4-11	Bellefonte	Pa
Permoflux Products Co., 3-14-15-17	4101 San Fernando Rd, Glendale	Cal
Pickering & Co., Inc., 17	Sunnyside Blvd, Plainview	NY
Plastic Welding Corp., 13	841 Freylinghuysen Ave, Newark	NJ
Polyphase Instrument Co., 4-17	E. Fourth St, Bridgeport	Pa
Potter Aeronautical Corp., 7-10	Rt 22, Union	NJ
Poughkeepsie Coil Co., Inc., 17	24 Charlotte St, Binghamton	NY
Power Industries Co., 1-2-3-4-13-17	2655 W. 19th St, Chicago 16	Ill

Precision Electronics, 2-3-7	427 Plain St, Marshfield	Mass
Precision Electronics, Inc., 1-2-3-4-13-15-16-17	**48 Merrick Rd, Rockville Centre**	**NY**
Precision Inc., 9-17	4748 France Ave N., Minneapolis	Minn
Premax Products Div., Chisholm-Ryder Co., Inc., 1	Highland & College, Niagara Falls 2	NY
Prototype Transformer Corp., 3-17	1 Henry St, Bloomfield	NJ
R. K. Mfg. Co., 2-3	P.O. Box 98, Carterville	Ill
Radio Condenser Co., 17	Camden	NJ
Radio Frequency Co., Inc., 13	44 Park St, Medfield	Mass
Radio Industries, Inc., 1-17	666 Garland Pl, Des Plaines	Ill
Railway Communications, Inc., 17	9351 E. 59 St, Raytown	Mo
Ram Electronics, Inc., 2-4-7-10-11-13-17	600 Industrial Ave, Paramus	NJ
Randall, Inc., Douglas, 7-17	6 Pawcatuck Ave, Westerly	RI
Rank Cintel Ltd., 5-10	Worsley Bridge Rd, London S.E. 26.	England
Raypar, Inc., 4-13-17	7800 W. Addison St, Chicago	Ill
Raytheon Co. Commercial Appar. & Systems Div., 2-3	100 River St, Waltham	Mass
REDMAN ELECTRONICS CORP., 4-17, Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
Reeve Electronics, Inc., 13	609 W. Lake St, Chicago 6	Ill
Reliable Spring & Wire Forms Co., 13	Fulton Rd & Paris Ave, Cleveland 9	Ohio
Renco Electronics, Inc., 1-4-13-17	240-1 Old Country Rd, Hicksville	NY
RIXON ELECTRONICS, INC., 2, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Robins Industries Corp., 15	36-27 Prince St, Flushing 54	NY
Rola Co., Div., Muter Co., 14	2530 Superior Ave, Cleveland 14	Ohio
Rollan Electric Co., 17	8233 S. Princeton Ave, Chicago 20	Ill
Rytron Co., Inc., 2-17	7301 Lankershim Blvd, North Hollywood	Cal
S.G. Smallwood Ltd., 4	391 King St E., Kitchener, Canada	
S N C Mfg. Co., Inc., 9-17	P.O. Box 277, Oshkosh	Wisc
Sag Harbor Industries, Inc., 2-3-4-7-9-14-17	Bay Dr, Sag Harbor	NY
Sage-Craft, Inc., 4-7-17	Norwich	NY
Sanford Miller Co., 3	11 Lynch St, Brooklyn 11	NY
Sangamo Electric Co., 2-3-17	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 2-3-4-7, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Scientific Electric, Inc., 13	105-119 Monroe St, Garfield	NJ
Servomechanisms, Inc., 2-7-17	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc., 17	1086 Goffle Rd, Hawthorne	NJ
Servotronics, Inc., 7-17	190 Gruner Rd, Buffalo 25	NY
SHALLCROSS MFG. CO., 4, Adv Pg 148	**Selma**	**NC**
Sickles F.W. Div. Gen. Instrument Corp., 4-5-7-11	165 Front St, Chicopee	Mass
Signal Transformer Co., 2-3-6-7-17	1661 McDonald Ave, Brooklyn 30	NY
Sioux Radio Products, 4-5-10-11-14-15-17	100 Douglas Ave, Yankton	SD
Small Motors, Inc., 9	2076 Elston Ave, Chicago 14	Ill
Sparton Corp., 2-3-4-7-17	2400 E. Ganson St, Jackson	Mich
SPELLMAN HIGH VOLTAGE CO., 3, Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-13-17	Lakewood Rd, Farmingdale	NJ
Standard Winding Corp., 1-4-17	44-62 Johnes St, Newburgh	NY
Stanley Transformer Co., 2-3-6-15-17	31-23 Vernon Blvd, Long Island City	NY
Stanwyck Winding Co., 4-17	137 Walsh Ave, Newburgh	NY
Stonite Coil Corp., 3-6-7-17	U.S. Rt. 130, Yardville	Pa
Stratocon Corp., 17	P.O. Box 10, Morristown	NJ
Stromberg-Carlson Div., Gen Dynamics Corp., 14	100 Carlson Rd, Rochester 3	NY
Sturrup, Inc., 17	50 Silver St, Middletown	Conn
Sullivan Ltd., H.W., 12	80 Shore Rd, Port Washington	NY
Summit Coil Co., 4	4 Claremont Rd, Bernardsville	NJ
Superex Electronics Corp., 2-4-17	4-6 Radford Pl, Yonkers	NY
Sylvania Photolamp & Special Products, 6-16	60 Boston St, Salem	Mass
SYNTRONIC INSTRUMENTS, INC., 5, Adv Pg 450	**100 Industrial Rd, Addison**	**Ill**
TECHNICAL APPARATUS BUILDERS, 2-3-4, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TELECTRO INDUSTRIES CORP., 1, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Television Laboratories, Inc., 5	333 Mill St, Wauconda	Ill
Tenco Electronics, Inc., 2-3-4-17	811 Boylston St, Boston	Mass
Thermovolt Instruments, Ltd., 17	70 Advance Rd, Toronto 18, Ontario,	Canada
Thor Ceramics, Inc., 7	225 Belleville Ave, Bloomfield	NJ
Thor Transformer & Elecs Div., 2-3	752 San Antonio Rd, Palo Alto	Cal
Thordarson-Meissner Mfg. Co., 1-2-3-4-5-6-7-11-12-13-14-15-17	7th & Belmont Ave, Mt. Carmel	Ill
TODD ELECTRIC CO., INC., 17, Adv Pg 456	**6 Brook St, Yonkers**	**NY**
Topper Mfg. Co., Inc., 7	84-56 Parsons Blvd, Jamaica 32	NY
Toroids Unlimited Inc., 2-3-12	3830 Terrace St, Philadelphia 28	Pa
TOROTEL, INC., 2-3-17, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 3-7-17, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transformer Design, Inc of Milwaukee, 17	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 2-3-7	285 N. Halstead Ave, Pasadena	Cal
Transformers, Inc., 2-6-7	200 Stage Rd, Vestal	NY
Transistor Electronics Corp., 2	3357 Republic Ave, Minneapolis 26	Minn
Transonic, Inc., 2-3	808 16th St, Bakersfield	Cal
TRENTON TRANSFORMER CORP., 3, Adv Pg 541	**P.O.Box 568B, Trenton**	**NJ**
Tresco, Inc., 2-3-7-17	3824 Terrace St, Philadelphia 28	Pa
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 2-3, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Tri-Dex Co., 7	P.O. Box 1207, Lindsay	Cal
Tur-Bo Jet Products, Inc., 7-17	424 S. San Gabriel Blvd, San Gabriel	Cal
TURBO MACHINE CO., 1, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Union Electric & Mfg. Corp., 2-3	1057 Summit Ave, Jersey City	NJ
United Control Corp., 17	4540 Union Bay Pl, Seattle 5	Wash
United Mineral & Chemical Corp., 7	16 Hudson St, New York 13	NY
U.S. Electronics Corp., 1-2-3-4-7-12-13-15-17	276 Warren St, Lyndhurst	NJ
Universal Toroid Coil Winding, Inc., 2-3-4-7-17	171EB Coit St, Irvington	NJ
University Loudspeakers, Inc., 14	80 S. Kenisco Ave, White Plains	NY
Vanguard Electronics Co., 1-4	3384 Motor Ave, Los Angeles 34	Cal
VARI-L CO., INC., 7, Adv Pg 330	**P.O. Box 1433, Stamford**	**Conn**
VARO MFG. CO., INC., 1-2-3-7-9-12-17, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vibration Research Labs., Inc., 17	58 Marbledale Rd, Tuckahoe	NY
Virginia Electronics Co., Inc., 2-3-4-6-7-17	5209 River Rd, Washington 16	DC
Wahlgren Magnetics, Div., Marshall Ind., 2-3	1900 Walker Ave, Monrovia	Cal
Waldom Electronics, Inc., 14-17	4621 W. 53rd St, Chicago 32	Ill
Warsaw Coil Co., 4-5-6-15-17	Warsaw	Ind
Welch Mfg. Co., Inc., A.W., 4-17	509 E. 29th St, Indianapolis	Ind
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 1-2-3-4-17, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Whitewater Electronics, Inc., 1-3-4-7-17	136 W. Main St, Whitewater	Wisc
Wilco Corp., 4	546 Drover St, Indianapolis	Ind
Winatic Corp., 17	P.O. Box 240, Endicott	NY
Wirco Electronics, Inc., 4-7-17	11680 McBean Dr, El Monte	Cal

COILS *–VARIABLE* See **INDUCTANCES** *–VARIABLE*
COIL SHIELDS See **SHIELDS** *–COIL*
COIL TESTERS See **TESTERS** *–COIL*
COIL WINDERS See **MACHINES** *–COIL-WINDING*
COINCIDENCE ANALYZERS See **ANALYZERS**
COINED METAL PARTS See **METAL PARTS** *–COINED*
COIN-OPERATED RECEIVERS See **RECEIVERS** *–RADIO, ENTERTAINMENT: RECEIVERS – TV*
COLLECTOR RINGS See **RINGS** *–COLLECTOR*
COLLOIDAL GRAPHITE See **GRAPHITE** *–COLLOIDAL*

COLORIMETERS *(COLOR ANALYZERS)*

Atlas Coil, Inc	63 Main St, Ansonia	Conn
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Canadian Research Institute	46 St. George St, Toronto 5, Ontario,	Canada
Gardner Laboratories	521 Landy Ln, Bethesda	Md
INSTRUMENT DEVELOPMENT LABS., INC., Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Manufacturers Engineering & Equipment Corp	York & Sunset Ln, Hatboro	Pa
Microwave Associates, Inc	Burlington	Mass
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Rubicon Instruments	Ridge at 35 St, Philadelphia 32	Pa
PHOTOCHRON RESEARCH INC., Adv Pg 547	**2 Howard St, New York 13**	**NY**
Photovolt Corp	95 Madison Ave, New York 16	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal
SHAW INSTRUMENT CORP., Adv Pg 527	**P.O.Box G-46, Latrobe**	**Pa**
Specialties, Inc	Skunks Misery Rd, Syosset	NY
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ

COLOR SORTERS See **MACHINES** *–SORTING*
COLOR TV COILS See **COILS**
COLOR TV GENERATORS See **GENERATORS** *–SIGNAL*
COLOR TV PICTURE TUBES See **TUBES** *–CATHODE-RAY*
COLOR TV RECEIVERS See **RECEIVERS – TV**
COLOR TV TRANSMITTERS See **TRANSMITTERS** *–BROADCAST*

COLUMBIUM
1. BARS, RODS & SHEET 2. POWDER & PELLETS-TUBING See **TUBING** *–METALLIC-WIRE* See **WIRE** *–BARE*

Bishop & Co., J., Platinum Works, 1	Malvern	Pa
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1	30 Grand St, Bridgeport	Conn
City Chemical Corp., 2	132 W. 22nd St, New York 11	NY
Delta Chemical Works, 2	21 W. 60th St, New York	NY
du Pont de Nemours & Co., Inc., E.I., 1	Wilmington 98	Del
Fansteel Metallurgical Corp., 1-2	2200 Sheridan, N. Chicago	Ill
Hamilton Watch Co., Precision Metals Div., 1	Lancaster	Pa
Kennametal Inc., 1-2	Lloyd Ave, Latrobe	Pa
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Murex, Ltd., 1-2	Rainham, Essex, England	
Paul & Stein Bros., Inc., F.H., 1	235 Fifth Ave, New York 16	NY
REMBAR CO., INC., THE, 1, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Shieldalloy Corp., 2	Newfield	NJ
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 1, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Union Carbide Metals Co., Div., UCC, 1	270 Park Ave, New York 17	NY
Var-Lac-Oid Chemical Co., 1-2	116 Broad St, New York 4	NY
Wah Chang Corp., 1-2	233 Broadway, New York 7	NY

COMBINERS-TWINPLEX
COMBUSTION CONTROLS See **CONTROLS** *–PHOTOELECTRIC*
COMMUNICATION RECEIVER PREAMPLIFIERS See **AMPLIFIERS – R-F**
COMMUNICATION RECEIVERS See **RECEIVERS** *–RADIO COMMUNICATION*

COMMUNICATION SYSTEMS
1. AIRCRAFT 2. AIRPORT TRAFFIC CONTROL 3. CITIZENS' RADIO 4. DATA TRANSMISSION 5. FACSIMILE 6. FREQUENCY-SHIFT 7. INDUCTION: INFRARED See **INFRARED DEVICES** *8. MARINE RADIOTELEPHONE 9. MICROWAVE 10. MULTIPLEX RADIO CARRIER 11. MULTIPLEX WIRELINE CARRIER 12. RAILROAD 13. SELECTIVE CALLING 14. SINGLE-SIDEBAND 15. TELEMETERING 16. TELEPRINTER 17. TONE TELEGRAPH 18. TWINPLEX 19. VEHICULAR, POLICE & EMERGENCY 20. VEHICULAR RADIO, GENERAL 21. VEHICULAR TAXI 22. UHF, GENERAL-PURPOSE 23. VHF, GENERAL-PURPOSE 24. VLF, GENERAL-PURPOSE* See Also **INTERCOMMUNICATION SYSTEMS: PAGING SYSTEMS: TRANSCEIVERS**

AC SPARK PLUG DIV., GENERAL MOTORS, 8-13, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
ACF Electronics Div., 4-15	Riverdale	Md
A.R.F. Products, Inc., 7	7627 Lake St, River Forest	Ill
ACTON LABS, INC., 3, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adler Electronics, Inc., 2-4-9-10-14-20-22-23	1 Lefevre Ln, New Rochelle	NY
Admiral Corp., 1-2-14-15	3800 W. Cortland St, Chicago 47	Ill
ADVANCED ELECTRONICS CORP., 15, Adv Pg 246	**2 Commercial St, Hicksville**	**NY**
Aeroflex Corp., 4	34-06 Skillman Ave, Long Island City 1	NY
Aeronautical Communication Equipment, Inc., 1-6	3090 S.W. 37 Ave, Miami 33	Fla
Aeronautical Electronics, Inc., 2-13-19-20-21	**P.O. Box 6527, Raleigh**	**NC**
Aircraft Radio Corp., 1	Boonton	NJ
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 6-15, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtron, Div of Litton Industries, 9	200 E. Hanover Ave, Morris Plains	NJ
Airtronics, Inc., 4-6-11	5522 Dorsey Ln, Washington 16	DC
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 5, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Alden Systems, Inc., 5	Alden Research Center, Westboro	Mass
Allied Radio Corp., 3-14	100 N. Western Ave, Chicago 80	Ill
Allied Record Mfg. Co., 9	6916 Santa Monica Blvd, Hollywood	Cal
American Bosch Arma Corp., 4-15-16	320 Fulton Ave, Hempstead	NY
American Devel Electronics Co., 2-3-8-19-20-21	212 Central Ave, Newark	NJ
American Electronics Co., 3	178 Herricks Rd, Mineola	NY
AMERICAN ELECTRONIC LABS., INC., 9-15, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Missile Products Co., Inc., 15	15233 Grevillea Ave, Lawndale	Cal
Amtron Corp., 15-22	17 Felton St, Waltham	Mass
Applied Electronics Co., 3-8-20	213 E. Grand Ave, South San Francisco	Cal

APPLIED ELECTRONICS CORP OF N.J., 4-10-11-15, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arnoux Corp., 4-15	11924 W. Washington Blvd, L.A. 66	Cal
Ascop Div., Electro-Mechanical Research, Inc., 4-15	P.O. Box 44, Princeton	NJ
AUTOMATIC ELECTRIC SALES CORP., 12, Adv Pgs. 82, 83	**Northlake**	**Ill**
Automation Industries, Inc., 4-15-23-24	3613 Aviation Blvd, Manhattan Beach	Cal
Automation Management, Inc., 4	Westboro 2	Mass
Avco Corp., Crosley Div., 2-4-15-20-23	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd., 1-8-10	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
BAIRD-ATOMIC, INC., 1-4-15, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Barker & Williamson, 3-6-14	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 8	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bell Aircraft Corp., 1-2-4-6-9	P.O. Box 1, Buffalo 5	NY
Bell & Gossett Co., 13-16-17	8202 N. Austin Ave, Morton Grove	Ill
Bendix Aviation Corp., Bendix Radio Div., 1-2-12-13-19-20-21	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 3-4-8-9-15	11600 Sherman Way, North Hollywood	Cal
Bennett Laboratories, Inc., 13	4224 Holden St, Emeryville 8	Cal
Bogen-Presto Div., Siegler Corp., 13	P.O. Box 500, Paramus	NJ
Browning Labs., Inc., 10	100 Union Ave, Laconia	NH
Budd Lewyt Electronics, Inc., 4-9-10-11-20-22-23	43-22 Queens St, Long Island City 1	NY
BUDELMAN ELECTRONICS CORP., 9-10-11-22-23, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
C B S Laboratories, 4	227 High Ridge Rd, Stamford	Conn
C W S Waveguide Corp., 9	301 W. Hoffman Ave, Lindenhurst	NY
Cadre Industries Corp., 3-8-12-13-14-19-20-21	P.O. Box 150, Endicott	NY
Calbest Electronics Co., 10	4801 Exposition Blvd, Los Angeles 16	Cal
Canadian Aviation Electronics Ltd., 22	6214 Cote de Liesse Rd, Montreal 9, Canada	
Canadian Marconi Co., 1-8-9-10-22-23	2444 Trenton Ave, Montreal, Canada	
Collins Radio Co., 1-2-9-10-11-14-22-23-24	855 35 St N.E., Cedar Rapids	Iowa
Communication Equipment & Engineering, 12	5648 W. Race Ave, Chicago	Ill
Communications Co., Inc., 1-2-14-19-20-21-22-23	300 Greco Ave, Coral Gables 34	Fla
Computing Devices of Canada, Ltd., 1-4-12-15-19-20	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 4-15	800 Shames Dr, Westbury	NY
Continental Manufacturing, Inc., 10	1612 California St, Omaha	Neb
Control Corp., 15	718 Central Ave, Minneapolis 14	Minn
CONTROL ELECTRONICS CO., INC., 9-10-11, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Electric Co., 22	2700 Southport Ave, Chicago 14	Ill
COSMIC INSTRUMENTS, INC., 8-23, Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
CRESCENT ENGINEERING & RESEARCH CO., 4-15, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
CROSBY TELECTRONIC LAB., INC., 14, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Dage TV Div., Thompson-Ramo-Wooldridge, 4-15	W. Tenth St, Michigan City	Ind
Dalmo Victor Co., Div., Textron, Inc., 7	1515 Industrial Way, Belmont	Cal
Dare, Inc., 1	P.O. Box 312, Troy	Ohio
Data-Control Systems, Inc., 4-15	39 Rose St, Danbury	Conn
Decker Corp., 2-4-15	43 Monument Rd, Bala Cynwyd	Pa
Delco Radio Div., GMC., 24	700 E. Firmin St, Kokomo	Ind
Designers for Industry, 1-3-4-5-8-9-10-14-19-22-23	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp., 3-9-13	River St, Winchester	Mass
Dollar Co., Robert, Commun Equip Div., 6	50 Drumm St, San Francisco 11	Cal
Dorsett Electronics Labs., Inc., 15	119 W. Boyd St, Norman	Okla
Electro-Logic Corp., 4	515 Boccaccio, Venice	Cal
Electro-Mechanical Research, Inc., 4-15	P.O. Box 3041, Sarasota	Fla
ELECTRO SEAL CORP., 13, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro Voice, Inc., 3	Buchanan	Mich
ELECTRONIC INSTRUMENT CO., INC., 3, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Research & Dev.Co., Ltd., 8-10-13-15-19-20-21-22-23	210 9th Ave, S.E., Calgary, Alberta, Canada	
ELECTRONIC SPECIALTY CO., 22, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electronics Design Co., 3-19-20-21-22-23	P.O. Box 401, Enid	Okla
EPSCO, INC., EQUIPMENT DIV., 4-9-15, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div., 1-2-4-10-11-15	275 Massachusetts Ave, Cambridge 39	Mass
ERIE RESISTOR CORP., 15, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd., 11-15	Chiswick, London W. 4, England	
Executone, Inc., 13	415 Lexington Ave, New York 17	NY
FXR, INC., 9, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fairchild Camera & Instrument Corp., Defense Prods., Div., 2-4-5	Robbins Ln, Syosset	NY
Fairchild Camera & Instrument Corp., Industrial Prods., Div., 5	580 Midland Ave, Yonkers	NY
Fanon Electronic Industries, Inc., 13	439 Frelinghuysen Ave, Newark	NJ
Feedback Controls, Inc., 4-10-11	8 Erie Dr, Natick	Mass
FERRANTI ELECTRIC, INC., 4, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Fisher Berkeley Corp., 11	4224 Holden St, Emeryville 8	Cal
Ford Instrument Co., Div., Sperry Rand Corp., 4-5	31-10 Thomson Ave, Long Island City 1	NY
Forway Industries, Inc., 3	122 Green Ave, Woodbury	NJ
Franklin Electronics, Commun & Control Div., 4	5901 Noble Ave, Van Nuys	Cal
GPL Div., General Precision, Inc., 4-17	63 Bedford Rd, Pleasantville	NY
GATES RADIO CO., 6-10-14-23, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Bronze Electronics Corp., Sub of General Bronze Corp., 9-15	Garden City	NY
GENERAL COMMUNICATION CO., 9-15, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 2-4-15, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Communication Prods Dept., 1-3-4-5-8-9-10-11-12-13-14-15-19-20-21	Lynchburg	Va
General Electric Co., Heavy Military Electronics Dept., 4-14	Court St, Syracuse	NY
General Electric Co., Light Military Electronics Dept., 1	French Rd, Utica	NY
General Electric Co., Missile & Space Vehicle Dept., 15	3198 Chestnut St, Philadelphia 4	Pa
General Electronic Labs., Inc., 4-10-15-22-23	18 Ames St, Cambridge	Mass
Geotechnical Corp., 4-10-11-15	3401 Shiloh Rd, Garland	Tex
Giannini Controls Corp., 4	1600 S. Mountain Ave, Duarte	Cal
Gibbs Mfg. & Research Corp., 1	454 N.Main St, Janesville	Wisc
Gilfillan Bros., Inc., 2-4-9-15	1815 Venice Blvd, Los Angeles 6	Cal
Gonset Div., Young Spring & Wire Corp., 1-3-14-20	801 S. Main St, Burbank	Cal
Gorham Electronics, Div of Gorham Mfg. Co., 9	333 Adelaide Ave, Providence 7	RI
Gray Mfg. Co., The, 16	Dept 67, 16 Arbor St, Hartford 1	Conn
Guardian Electric Mfg. Co., 7	1621 W. Walnut St, Chicago 12	Ill
HRB-SINGER, INC., 2-9, Adv Pg 493	**Science Park, State College**	**Pa**
Hallamore Electronics Co., 4-15	714 N. Brookhurst Ave, Anaheim	Cal
HALLICRAFTERS CO., 1-2-4-6-9-10-14-22-23, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hammarlund Mfg. Co., 4-6-13-15-17	460 W. 34th St, New York 1	NY
Hazeltine Corp., 15-22-23	59-25 Little Neck Pkwy, Little Neck	NY
Heath Co., A Sub of Daystrom, Inc., 3-14-24	Benton Harbor	Mich
HERMES ELECTRONICS CO., 4-9-14, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hi-Lo Mfg. Corp., 3	1122 W. Newport Ave, Chicago 13	Ill
Hoffman Electronics Corp., Military Prods Div., 14-23	3740 S. Grand Ave, Los Angeles 7	Cal
Hogan Faximile Corp., 4-5	155 Perry St, New York 14	NY
Hoover Electronics Co., 15	110 W. Timonium Rd, Timonium	Md
Houston Fearless Corp., 4-13	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hudson American Div., Vocaline Co of Amer, Inc., 8	Old Saybrook	Conn
Huyck Systems Co., 2-4	360 Wolf Hill Rd, Huntington Sta	NY
I.D.E.A., Inc., 3	7900 Pendleton Pike, Indianapolis 26	Ind
ITT Laboratories, 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 9-22	129-07 18th Ave, College Point 56	NY
Intercontinental Electronics, 2	1551 Franklin Ave, Mineola	NY
International Business Machines Corp., 4	590 Madison Ave, New York 22	NY
International Crystal Mfg. Co., Inc., 3	18 N. Lee, Oklahoma City	Okla
International Systcoms, Ltd., 13-19-20-21	8235 Mountain Sights, Montreal 9, Que, Canada	
Intl Tel & Tel Corp., Industrial Products Div., 4	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp., 15	707 E. Vermont Ave, Anaheim	Cal
JERROLD ELECTRONICS CORP., 23, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Johnson Co., E.F., 3-14	Waseca	Minn
Kahn Research Labs Inc., 10-11-14	81 S. Bergen Pl, Freeport	NY
Kaiser Aircraft & Electronics, 14	2222 W. Peoria Ave, Phoenix	Ariz
Kauke & Co., Inc., 4-15	1632 Euclid St, Santa Monica	Cal
Kay-Towns Antenna Co., 3	1513 Dean Ave, Rome	Ga
KEARFOTT DIV., GEN PRECISION, INC., 8-9, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co., 4-6-9-10-12-13-15-16-20	6650 S. Cicero Ave, Chicago 39	Ill
Kinematic Systems, 4	41-11-49th St, Long Island City	NY
King Radio Corp., 1-2-19	9700 W. 75 St, Merriam	Kan
Knight Corp., Ewen, 9-22	Oak & Pine Sts, East Natick	Mass
Knight Electronics, 3-14-23	210 S. Des Plaines St, Chicago 6	Ill
Kuss Industries, Inc., 15-19	Tacony & Lewis Sts, Philadelphia 24	Pa
Land-Air, Inc., 1-2-13-14-15-22-23	7444 W. Wilson Ave, Chicago 31	Ill
Leach Corp., 15	18435 Susana Rd, Compton	Cal
Lear, Inc., 1-2-4-6-9-10-11-14-15-24	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 1-2-3-8-9-13-14-15-22-23	360 Oak St, Copiague	NY
Lenkurt Electric Co., Inc., 4-9-10-11-15-17-20	1105 County Rd, San Carlos	Cal
Litton Industries, Electron Tube Div., 4-5	960 Industrial Rd, San Carlos	Cal
Litton Industries, Maryland Div., 1-2-6-9-15	4900 Calvert Rd, College Park	Md
Lockheed Electronics Co., Info Tech Div., 15	Metuchen	NJ
Lorain County Radio Corp., 8	205 Ninth St, Lorain	Ohio
Lynch Communication Systems Inc., 4-6-10-11-12-15-17	695 Bryant St, San Francisco 7	Cal
Lyncoach & Truck Co., Inc., 19-20-21	Oneonta	NY
Mallory & Co., Inc., P.R., 1-3-7-8-14-22-23	34 S. Gray St, Indianapolis 6	Ind
MANSON LABORATORIES, INC., 6-9, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Marconi's Wireless Telegraph Co., Ltd., 1-2-6-8-9-10-13-14-16-19-20-21-22-23	750 Third Ave, New York 17	NY
Marquardt Corp., Pomona Div., 4-15	2709 N. Garey Ave, Pomona	Cal
MAURY & ASSOCIATES,9, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Mechanical Products Inc. Electronic Sys. Div., 9	1824 River St, Jackson	Mich
Meridian Metalcraft, Inc., 9	8739 S. Millergrove Dr, Whittier	Cal
Milgo Electronic Corp., 4-11	7620 N.W. 36th Ave, Miami 47	Fla
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Miratel Inc., 3-13-22-23-24	1080 Dionne St, St. Paul	Minn
Missile Systems Corp., 9	11949 Vose St, North Hollywood	Cal
Mobil Electronics, Inc., 13-20	1111 State Rd 67E, Anderson	Ind
Model Engineering & Mfg., Inc., 14	Huntington	Ind
Moore Associates, Inc., 4-9-10-11-12-15	2600 Spring St, Redwood City	Cal
Morrow Radio Mfg. Co., 3-13-14-20	2794 Market St, Salem	Ore
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1-3-6-9-10-12-13-14-19-20-21-22-23-24, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Muirhead & Co., Ltd., 5	Beckenham, Kent, England	
Mullard Equipment, Ltd., 8-14-19-20	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 3-8-14	21470 Coolidge Hwy, Oak Park	Mich
Multitone of Canada Ltd., 7-13	130 Merton St, Toronto 7, Canada	
Munston Electronic Mfg. Corp., 8	Beech St, Islip	NY
Mycalex Electronics Corp., 4-15	125 Clifton Blvd, Clifton	NJ
Nacimco Products, Inc., 15	1090 Morena Blvd, San Diego	Cal
National Aeronautical Corp., 1	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
National Electronics Labs., Inc., 10-20	1713 Kalorama Rd N.W., Washington 9	DC
Neill Co., Inc., R.W., 12	4320 W. Montrose, Chicago 41	Ill
Nichols, Ltd., R.H., 15	4544 Dufferin St, Downsview, Ontario, Canada	
Nippon Electric Co., Ltd., 1-4-5-6-8-9-10-11-13-14-18-19-20-22-23	Shiba-Mita, Tokyo, Japan	
North Electric Co., 4-11-13-15-17	553 S. Market St, Galion	Ohio
Northeast Electronics Corp., 4-15	P.O. Box 425, Concord	NH
NORTHEASTERN ENGINEERING, INC., 15, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
NORTHERN RADIO CO., INC., 4-5-6-10-11-12-15-16-17-18, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
NUCLEAR ELECTRONICS CORP., 8-10-13, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Osborne Electronic Sales Corp., 3	712 S.E. Hawthorne Blvd, Portland 14	Ore
Otis Elevator Co., 1-4-14-15-16	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics, 15	8345 Hayvenhurst Ave, Sepulveda	Cal
Packard-Bell Electronics Corp., Technical Products Div., 1-2-22	12333 W. Olympic Blvd, Los Angeles 64	Cal
Palmer, Inc., M.V., 3-6-7-8-9-10-11-13-14-15-16-17-22-23	4108 N.W. Fruit Valley Rd, Vancouver	Wash
PARAPLEGICS MFG. CO., INC., 1-3-9, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
PARSONS CO., RALPH M., ELECTRONICS DIV., 15, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Pearce Simpson, Inc., 3-8-20	2295 N.W. 14th St, Miami 35	Fla
Peer, Inc., 2	Benton Harbor	Mich

Peer, Incorporated, 6-10-14-15	2624 Shelby St, Dallas 19	Tex
Perma-Power Co., 13	3100 N. Elston Ave, Chicago 18	Ill
Philco Corp., Gov't & Ind'l Div., 1-2-4-5-6-7-9-10-11-12-13-14-15-22-23	4700 Wissahickon Ave, Philadelphia 44	Pa
Philmore Mfg. Co., Inc., 3	130-01 Jamaica Ave, Richmond Hill 18	NY
PORTCHESTER INSTRUMENT CORP., 9, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Potter Instrument Co., Inc., 4	Sunnyside Blvd, Plainview	NY
Precision Circuits, Inc., 2	85 Weyman Ave, New Rochelle	NY
PREMIER INSTRUMENT CORP., 9, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 1-3-9-10-15-19	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 2-8-9-10-11-13-15-20-21-22-23	Newmarket Rd, Cambridge, England	
Q-Circuits Div., Etching Co of California, 3	1208 Howard St, San Francisco 3	Cal
Racal Engineering, Ltd., 2-6-14-19-24	Western Rd, Bracknell, Berks, England	
Radiaphone Co., Inc., 15	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 4-15	Melbourne	Fla
Radio City Products Co., Inc., 23-24	Centre & Glendale Sts, Easton	Pa
Radio Corp of America Indl Electronic Prods, 3-8-9-10-13-14-15-19-20-21-22-23-24	Front & Cooper, Camden	NJ
Radio Engineering Labs., Inc., 6-9-10-14-20	29-01 Borden Ave, Long Island City 1	NY
RADIO FREQUENCY LABS., 4-6-15-17, Adv Pg 116	**Boonton 2**	**NJ**
Radio Mfg. Engineers, Div., Electro Voice, Inc., 3-14	Buchanan	Mich
Railway Communications, Inc., 10-11-12-14	9351 E. 59 St, Raytown	Mo
Ram Electronics, Inc., 1-3-15	600 Industrial Ave, Paramus	NJ
Rauland-Borg Corp., 13	3535 W. Addison St, Chicago 18	Ill
Redifon, Ltd., 2-6-8-14-18-20-23	Broomhill Rd, Wandsworth, London SW 18	England
Ridgefield Instrument Group, Schlumberger Corp., 4	P.O. Box 307, Ridgefield	Conn
Rowe Industries, 3-8	1702 Wayne St, Toledo 9	Ohio
San Jose Avionics Co., 1	San Jose Municipal Airport, San Jose	Cal
Scantlin Electronics, Inc., 4-10-13	2215 Colby Ave, Los Angeles 64	Cal
Secode Corp., 13	555 Minnesota St, San Francisco 7	Cal
Seiscor Div., Seismograph Service Corp., 3-19	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Servo Corp of America, 15	111 New South Rd, Hicksville	NY
Servomechanisms, Inc., 1-2-15	12500 Aviation Blvd, Hawthorne	Cal
SIERRA ELECTRONIC CORP., 15, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Sierra Research Corp., 4-15	P.O. Box 22, Buffalo 25	NY
Singer Mfg. Co., Military Products Div., 2-9	149 Broadway, New York 3	NY
SOLID STATE ELECTRONICS CO., 3-15, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sorensen Industrial Electronic Co., 3-8-14	Rt 10, Dover	NJ
Space Electronics Corp., 4-15-22-24	930 Air Way, Glendale 1	Cal
Sparton Corp., 1-4-9-10-11-14-15-20-22-23-24	2400 E. Ganson St, Jackson	Mich
Specialty Electronics Development Corp., 15	Eileen Way, Syosset	NY
Spectra Electronics Co., 9-15-22-23-24	250 E. 3rd St, Mt. Vernon	NY
Spilsbury & Tindall, Ltd., 8-14-19-20-21-23	120 E. Cordova St, Vancouver, B.C., Canada	
Standard Electronics Div., Reeves Instrument Corp., 3-10-14-22-23-24	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2-6-9-10-11-12-13-14-15-16-17-18-22	63 Aldwych, London W. C. 2	England
State Testing Laboratory, Inc., 19-20-21-23	215 Knowlton St, Bridgeport 8	Conn
Stelma, Inc., 4-6-10-11-17	200 Henry St, Stamford	Conn
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2-4-9-10-11-12-13-14	100 Carlson Rd, Rochester 3	NY
Stromberg-Carlson, Div., Gen Dynamics Corp., 4-5-16	1895 Hancock St, San Diego 12	Cal
Surface Conduction, Inc., 9-10-11-12-23	521 Fifth Ave, New York 17	NY
Sylvania Electronic Systems, 1	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc., 1-2-3-9-13-20-22-23	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 15	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL MATERIEL CORP., 5-6-8-14-16-17-19-20, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Technitrol Engineering Co., 5	1952 E. Allegheny Ave, Philadelphia 34	Pa
TECHNOLOGY INSTRUMENT CORP., 1-3-8-13-20-21, Adv Pg 223	**533 Main St, Acton**	**Mass**
Telautrograph Corp., 4-5-16	8700 Bellanca Ave, Los Angeles 8	Cal
TELECHROME MFG. CORP., 8-14-15-17-19-20-21-22-23, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 1-4-5-15, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 1-13-22-23	Park Ave, Huntington	NY
Teletype Corp., 4-10-11-13-16	5555 W. Touhy Ave, Skokie	Ill
TELEVISION UTILITIES CORP., DIV OF NORD, 4, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 15	P.O. Box 6191, Dallas 22	Tex
Times Facsimile Corp., 5	540 W. 58th St, New York 19	NY
Topp Industries, Inc., 1-2-4-8-14	5221 W. 102 St, Los Angeles 45	Cal
Tower Construction Co., 9	2700 Hawkeye Dr, Sioux City	Iowa
Trans-Tel Corp., 3	910 N. Orange Dr, Los Angeles 38	Cal
Transline Electronic Mfg. Co., 5	304 Mt. Pleasant Ave, Newark 4	NJ
Trepac Corp of America, 4-12-13-15-16-17-18	30 W. Hamilton Ave, Englewood	NJ
Tricraft Products Corp., 3	1124 W. Newport Ave, Chicago 13	Ill
Union Switch & Signal Div., Westinghouse Air Brake Co., 4-15	Pittsburgh 18	Pa
United Electrodynamics, Inc., 14-15	200 Allendale Rd, Pasadena	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 9	Balch St, Beverly	Mass
U.S. Instrument Corp., 13	P.O. Box 1191, Charlottesville	Va
U.S. Science Corp., 2-14-23	5221 W. 102nd St, Los Angeles 45	Cal
VARIAN ASSOCIATES, 9-22, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 13-15, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vector Mfg. Co., Inc., 15	Keystone Rd, Southampton	Pa
Vicon Corp., Div., Insul-8-Corp., 2	1369 Industrial Rd, San Carlos	Cal
Victor Adding Machine Co., 16	3900 N. Rockwell St, Chicago 18	Ill
Virginia Electronics Co., Inc., 2-8-20	5209 River Rd, Washington 16	DC
Vitro Corp of America, 4	261 Madison Ave, New York 16	NY
Vocaline Co. of America, Inc., 3-11	Old Saybrook	Conn
Wang Laboratories, Inc., 4-15	12 Huron Dr, Natick	Mass
Warren Mfg. Co., Inc., 15	Newton Rd, Littleton	Mass
Webster Electric Co., 2-4-13	1900 Clark St, Racine	Wisc
Webster Mfg., 3	317 Roebling Rd, S. San Francisco	Cal
Western Apparatus Co., Div., Comptometer Corp., 5-16	5600 Jarvis Ave, Chicago 48	Ill
Western Union Telegraph Co., 4-5-16	60 Hudson St, New York 13	NY
WESTINGHOUSE ELECTRIC CORP., 1-4-5-9-10-11-12-13-14-15-16-17-22, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1-2-4-5-6-8-10-11-12-14-16-17-19-20-24	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 1-2-13-22-23, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wiancko Engineering Co., 15	255 N. Halstead, Pasadena	Cal
Wickes Engineering & Construction Co., 2	12th St & Ferry Ave, Camden 4	NJ
WILCOX ELECTRIC CO., 1-2-14-23-24 Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Wiley Electronics, Div., Savage Industries, 4	2045 W. Cheryl Dr, Phoenix	Ariz
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla
Winston Electronics Div., Jetronic Ind., Inc., 3-8	4000 N.W. 28th St, Miami 42	Fla
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 14-20, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**
Zenith Radio Corp., 14	6001 Dickens Ave, Chicago 39	Ill

COMMUNICATION TRANSMITTERS See **TRANSMITTERS** – *RADIO COMMUNICATION*
COMMUNITY TV ANTENNAS See **ANTENNAS – TV**
COMMUTATOR SLIP RINGS See **SLIP RING ASSEMBLIES**

COMMUTATORS – *SWITCHING*
1. ELECTRONIC. SOLID-STATE 2. ELECTRONIC. TUBE 3. MERCURY JET 4. MOTOR-DRIVEN CONTACT-TYPE

Adage, Inc., 1	292 Main St, Cambridge	Mass
AIRFLYTE ELECTRONICS CO., 4, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
American Bosch Arma Corp., 1-4	320 Fulton Ave, Hempstead	NY
Amglo Corp., 4	4333 N. Ravenswood Ave, Chicago 13	Ill
APPLIED ELECTRONICS CORP OF N.J., 1-2-4 Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arnoux Corp., 2	11924 W. Washington Blvd, L.A. 66	Cal
Ascop Div., Electro-Mechanical Research, Inc., 4	P.O. Box 44, Princeton	NJ
ATLAS CONTROLS INC., 1, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Avien Corp., 1	58-15 Northern Blvd, Woodside 77	NY
Bendix-Pacific Div., Bendix Aviation, 4	11600 Sherman Way, North Hollywood	Cal
Burroughs Corp Electronic Tube Div., 2	P. O. Box 1226, Plainfield	NJ
COLLECTRON CORP., 4, Adv Pg 446	**304 E. 45th St, New York 17**	**NY**
COMPUTER INSTRUMENTS CORP., 4, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Consolidated Avionics Corp., 1	800 Shames Dr, Westbury	NY
Control Equipment Corp., 1	19 Kearney Rd, Needham Heights 94	Mass
Cook Electric Co., 1	2700 Southport Ave, Chicago 14	Ill
DKE ELECTRONIC BASES CORP., 2, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Data-Control Systems, Inc., 1	39 Rose St, Danbury	Conn
Data Products Co., Inc., 1	7320 Westmore Rd, Rockville	Md
DAVEN CO., 4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Deltron, Inc., 1	4th & Cambria, Philadelphia 33	Pa
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
Digitran Co., 4	660 S. Arroyo Pkwy, Pasadena	Cal
Don-Lan Electronics, Inc., 4	1101 Olympic, Santa Monica	Cal
Dynamics Instrumentation Co., 1	1118 Mission, S. Pasadena	Cal
EMI-COSSOR ELECTRONICS LTD., 4, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electro Instruments, Inc., 1-4	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 1	515 Boccaccio, Venice	Cal
Electro-Mechanical Research, Inc., 1-4	P.O. Box 3041, Sarasota	Fla
ELECTRO MINATURES CORP., 4, Adv Pg 356	**632 Huyler St, South Hackensack**	**NJ**
Engineered Magnetics Div., Gulton, 1	13041 Cerise Ave, Hawthorne	Cal
EPSCO, INC., EQUIPMENT DIV., 1-2, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div., 1-2	275 Massachusetts Ave, Cambridge 39	Mass
Erie-Pacific Div of Erie Resistor Corp., 1	12932 S. Weber Way, Hawthorne	Cal
Franklin Electronics, Commun & Control Div., 1	5901 Noble Ave, Van Nuys	Cal
GENERAL DEVICES, INC., 1-2-3-4, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Genisco, Inc., 4	2233 Federal Ave, Los Angeles 64	Cal
GRAPHITE METALLIZING CORP., 4, Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Green Rectifier Co., 1	1-10 30th St, Fair Lawn	NJ
Guardian Electric Mfg. Co., 1-4	1621 W. Walnut St, Chicago 12	Ill
Hamilton Watch Co., Industrial Div., 4	Lancaster	Pa
Haydon Co., A.W., The, 4	238 N. Elm St, Waterbury	Conn
Hesco Engineering Co., 4	322 E. Beach Ave, Inglewood 3	Cal
INSTRUMENT DEVELOPMENT LABS., INC., 1-4, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
KEARFOTT DIV., GEN PRECISION, INC., 1-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KIDDE & CO., INC., WALTER, 1, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Leach Corp., 1	18435 Susana Rd, Compton	Cal
Lear, Inc., 1	3171 S. Bundy Dr, Santa Monica	Cal
LIND INSTRUMENTS, INC., 4, Adv Pg 500	**357 Nassau St, Princeton**	**NJ**
Marstan Electronics Corp., 1	204 Babylon Trnpk, Roosevelt	NY
Modern Industries, Inc., 1	5755 Camille Ave, Culver City	Cal
Moore Associates, Inc., 1	2600 Spring St, Redwood City	Cal
Mycalex Electronics Corp., 4	125 Clifton Blvd, Clifton	NJ
Newton Co., 1-2	55 Elm St, Manchester	Conn
NEY CO., J.M., 4, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pacific Scientific Co., 4	P.O. Box 22019, Los Angeles 22	Cal
Packard Bell Computer Corp., 1	1905 Armacost Ave, Los Angeles 25	Cal
Penn Keystone Corp., 1	P.O. Box 350, Hawkins St, Derby	Conn
Plug-In Instruments, Inc., 1	1416 Lebanon Rd, Nashville 10	Tenn
Poly Scientific Corp., 4	Rt 460 N., Blacksburg	Va
Power Sources, Inc., 1	South Ave, Burlington	Mass
Radiation, Inc., 1	Melbourne	Fla
ROTARY DEVICES CORP., 1-3-4, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
San Diego Scientific Corp., 1	3434 Midway Dr, San Diego 10	Cal
Scientific Components Inc., 1-4	30 S. Salsipuedes, Santa Barbara	Cal
Servomechanisms, Inc., 1-3	12500 Aviation Blvd, Hawthorne	Cal
Sierra Research Corp., 1	P.O. Box 22, Buffalo 25	NY
Slip Ring Co of America, 4	3612 W. Jefferson Blvd, Los Angeles 16	Cal
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
SOLID STATE ELECTRONICS CO., 1, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Spectrol Electronics Corp., 4	1704 S. Del Mar, San Gabriel	Cal
Spec-Tronics, 1	13942 Saticoy Ave, Van Nuys	Cal
Standard Telephones & Cables, Ltd., 4	63 Aldwych, London W. C. 2	England
Taber Instrument Corp., 1	107 Goundry St, North Tonawanda	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-4	23555 Euclid Ave, Cleveland 17	Ohio
Techniques, Inc., 4	40 Jay St, Englewood	NJ
TELECHROME MFG. CORP., 1,	**28 Ranick Dr, Amityville**	**NY**

Trepac Corp of America, 1	30 W. Hamilton Ave, Englewood	NJ
Unison Products, Inc., 4	705 W. Savidge St, Spring Lake	Mich
Vitro Corp of America, 1-2	261 Madison Ave, New York 16	NY
Walkirt Co., 1	141 W. Hazel St, Inglewood 3	Cal

COMPARATORS

1. CAPACITANCE 2. CIRCUIT-TESTING, AUTOMATIC 3. DIGITAL 4. IMPEDANCE 5. INDUCTANCE 6. PHASE 7. Q 8. RELUCTANCE, IRON-CORE 9. RESISTANCE, AUTOMATIC 10. VOLTAGE See Also BRIDGES

Abacus, Inc., 3	3040 Overland Ave, Los Angeles 34	Cal
ACTON LABS, INC., 6, Adv Pg 222	**533 Main St, Acton**	**Mass**
AD-YU ELECTRONICS LAB., INC., 6, Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Anadex Instruments, Inc., 10	14734 Arminta St, Van Nuys	Cal
APPLIED ELECTRONICS CORP OF N.J., 3, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Atlas Coil, Inc., 10	63 Main St, Ansonia	Conn
Avien Corp., 10	58-15 Northern Blvd, Woodside 77	NY
B & K Instruments, Inc., 1-4-5	3018 W. 106th St, Cleveland 11	Ohio
Barnes Development Co., 1-9	213 W. Baltimore Pike, Lansdowne	Pa
Bendix-Pacific Div., Bendix Aviation, 3	11600 Sherman Way, North Hollywood	Cal
Bendix Aviation Corp., York Div., 3	York	Pa
Benson-Lehner Corp., 3	1860 Franklin, Santa Monica	Cal
Bergen Labs., Inc., 10	60 Spruce St, Paterson	NJ
Bliss Electronic Corp., 1-2-9	P.O. Box 366, Sussex	NJ
BOONTON RADIO CORP., 7, Adv Pg 108	**50 Intervale Rd, Boonton**	**NJ**
Bruel & Kjaer, 1-4-5-6-7-8	Lindealle 23; Naerum, Denmark	
Calibration Standards Corp., 10	1130 W. Fifth Ave, Pomona	Cal
CLEGG LABS., DIV., CLEGG, INC., 1-5-8, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Clippard Instrument Lab., Inc., 1-4-7-8-9	P.O. Box 68, Cincinnati 39	Ohio
Coils-Electronics Co., 5-7	2939-49 N. 2nd St, Philadelphia 33	Pa
COMMUNICATION MEASUREMENTS LAB., INC., 9, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Computer Control Co., Inc., 3	983 Concord St, Framingham	Mass
Consolidated Airborne Systems, 1-4-5	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 2-3-9-10	800 Shames Dr, Westbury	NY
Control Devices, Inc., 2	925 S. Eton Rd, Birmingham	Mich
CONTROL ELECTRONICS CO., INC., 6, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 3	19 Kearney Rd, Needham Heights 94	Mass
Data Products Co., Inc., 3	7320 Westmore Rd, Rockville	Md
Data Systems Dept, Norden Div United Aircraft Corp., 3	13210 Crenshaw Blvd, Gardena	Cal
DAVEN CO., 9, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dawe Instruments Ltd., 4-7	99 Uxbridge Rd, London W5, England	
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 10, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Deltron, Inc., 6	4th & Cambria, Philadelphia 33	Pa
Di An Controls, Inc., 3	40 Leon St, Boston 15	Mass
Djeco, Div., Djordjevic Engrg Co., 10	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 10	888 Galindo St, Concord	Cal
Dwyer Engineering Co., Inc., 6	Airport Rd, Nashua	NH
DYMEC, DIV., HEWLETT-PACKARD CO., 3, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Dytronics, 1-4-5-6-9	P.O. Box 3676, Columbus 14	Ohio
EIR Corp., 10	5177 Overland Ave, Culver City	Cal
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2-6, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc., 1-2-3-4-5-6-9-10	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 3	515 Boccaccio, Venice	Cal
ELECTRO SCIENTIFIC INDUSTRIES INC., 9, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Applications, Inc., 1-4-5	194 Richmond Hill Ave, Stamford	Conn
Electronic Development Corp., 3	423 W. Broadway, Boston 27	Mass
Erie-Pacific Div of Erie Resistor Corp., 3	12932 S. Weber Way, Hawthorne	Cal
Exact Electronics, Inc., Marketing Div., 10	P.O. Box 552, Portland 7	Ore
FREED TRANSFORMER CO., INC., 1-5-9, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GPE Controls, Inc., 10	240 E. Ontario St, Chicago 11	Ill
GENERAL DEVICES, INC., 3-6, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL RADIO CO., 1-4-6-7-9, Adv Pg 285	**West Concord**	**Mass**
Gerber Scientific Instrument Co., 3	89 Spruce St, Hartford 1	Conn
Gertsch Products, Inc., 6	3211 S. La Cienega, Los Angeles 16	Cal
Good Electronic Corp., 2	P.O. Box 2406, W. Palm Beach	Fla
GRAY INSTRUMENT CO., 9-10, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Hallamore Electronics Co., 2-3	714 N. Brookhurst Ave, Anaheim	Cal
Harvey-Wells Electronics, Inc., 3	North St, Southbridge	Mass
HEWLETT-PACKARD CO., 3-7, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Huyck Systems Co., 3	360 Wolf Hill Rd, Huntington Sta	NY
I-L-S Instrument Div., Meriam Instrument Co., 3	4525 W. 160th St, Cleveland 35	Ohio
Industrial Control Co., 1	Central at Pinelawn, Farmingdale	NY
Industrial Instruments, Inc., 1-4-5-9	89 Commerce Rd, Cedar Grove	NJ
INDUSTRIAL TEST EQUIPMENT CO., 1-4-5-6-9, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Inland Electronics Corp., 4-5	500 Rathbone Ave, Aurora	Ill
JULIE RESEARCH LABS., 3, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEPCO, INC., 10, Adv. Pgs. 71, 72	**131-38 Sanford Ave, Flushing 55**	**NY**
KIN TEL DIV., COHU ELECTRONICS, 3-10, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Lear, Inc., 2-3	3171 S. Bundy Dr, Santa Monica	Cal
Link Div., Gen. Precision, Inc., 6	Nowlan Rd, Hillcrest, Binghamton	NY
Magnetic Analysis Corp., 10	42-44 12th St, Long Island City 1	NY
Magnetic Circuit Elements, Inc., 10	3722 Park Pl, Montrose	Cal
MAGNETIC INSTRUMENT CO., INC., 10, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Marquardt Corp., Pomona Div., 3	2709 N. Garey Ave, Pomona	Cal
MEASUREMENTS RESEARCH CO., 2-10, Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
Melpar, Inc., 10	3000 Arlington Blvd, Falls Church	Va
Millen Mfg. Co., James, 1-4-5-7-8-10	150 Exchange St, Malden	Mass
Millitest Co., 9-10	88 Madison Ave, Hempstead	NY
Mini-Rad, Inc., 3-10	7416-E Varna Ave, N. Hollywood	Cal
Muirhead & Co., Ltd., 1-4-5-6-9	Beckenham, Kent, England	
NAVIGATION COMPUTER CORP., 3, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Newport Scientific Co., 10	638 W. 17th St, Costa Mesa	Cal
NON-LINEAR SYSTEMS, INC., 9-10, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
Norden Div., United Aircraft Corp., 3	58 Commerce Rd, Stamford	Conn
NORTH ATLANTIC INDUSTRIES, INC., 6, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Optimized Devices, Inc., 2-9-10	864 Franklin Ave, Thornwood	NY
Pacific Mercury Electronics, 10	8345 Hayvenhurst Ave, Sepulveda	Cal
Pennsylvania Testing Lab., Inc., 1-4-5-8	Doylestown	Pa
PESCHEL ELECTRONICS, INC., 2, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
PHILBRICK RESEARCHES, INC., GEORGE A., 10, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Photobell Co., Inc., 1	43 Vesey St, New York 7	NY
Plastic Capacitors, Inc., 4	2620 N. Clybourn Ave, Chicago 14	Ill
Radio Condenser Co., 1	Camden	NJ
Ransom Research, Inc., 3	374 W. 8th St, Box 269, San Pedro	Cal
Rese Engineering Corp., 3	731 Arch St, Philadelphia 6	Pa
RIBET DESJARDINS, 5, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
Rodale Electronics, 1-2-9	562 Grand Blvd, Westbury	NY
Rohde & Schwarz, USA, Inc., 1-9	P.O. Box 275, Passaic	NJ
S-E Laboratories Ltd., 6	606 N. Felthan Trading Estate, Felthan, Middlesex, England	
SANDERS ASSOCIATES, INC., 6, Adv Pg 488	**95 Canal St, Nashua**	**NH**
SENSITIVE RESEARCH INSTRUMENT CORP., 10, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Slaughter Co., 1-2-4-9-10	Piqua 9	Ohio
Solartron, Inc., 6	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co., 1-4-5-9	10201 Westheimer Rd, Houston 19	Tex
Strand Engineering Co., 2	1354 N. Main St, Ann Arbor	Mich
Sunshine Scientific Instrument, 1-4-5-8	1810 Grant Ave, Philadelphia 15	Pa
Technical Electronics Co., Div., Consol Electronic Indus Corp., 1-2-4-5-9-10	4060 Ince Blvd, Culver City	Cal
TECHNOLOGY INSTRUMENT CORP., 1-4-5-6, Adv Pg 223	**533 Main St, Acton**	**Mass**
TELECHROME MFG. CORP., 2-10, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TEMPO INSTRUMENT, INC., 10, Adv Pg 353	**Commercial St, Hicksville**	**NY**
Tenlo Research Corp., 2-3-10	9424 Lyndale Ave S., Minneapolis 20	Minn
Thermovolt Instruments, Ltd., 9	70 Advance Rd, Toronto 18, Ontario, Canada	
THETA INSTRUMENT CORP., 6, Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Tinsley Instruments (Canada), Ltd., 9	P.O. Box 99, Smiths Falls, Ontario, Canada	
Transformers, Inc., 1-4-5-9-10	200 Stage Rd, Vestal	NY
TRIO LABORATORIES, INC., 2-10, Adv Pg 283	**Plainview**	**NY**
Unit Process Assemblies, Inc., 5	61 E. 4th St, New York 3	NY
Universal Mfg. Co., Inc., 5	1168EB Grove St, Irvington 11	NJ
VARIAN ASSOCIATES, 4-6-10, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 6, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vitro Corp of America, 3	261 Madison Ave, New York 16	NY
Voltron Products, 2-10	1020 S. Arroyo Pkwy, Pasadena	Cal
Wang Laboratories, Inc., 3	12 Huron Dr, Natick	Mass
WATERMAN PRODUCTS CO., INC., 6, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
Wayne Kerr Corp., 1-4	1633 Race St, Philadelphia 3	Pa
Wiancko Engineering Co., 10	255 N. Halstead, Pasadena	Cal
Wintronics, 6	213 S. Hawthorne Blvd, Hawthorne	Cal
Wright-Zimmerman, Inc., 4-5-7	New Brighton, St. Paul 12	Minn

COMPARATORS *–COLOR* See COLORIMETERS
COMPARATORS *–DENSITY* See DENSITOMETERS
COMPARATORS *–SURFACE* See INDICATORS *–SURFACE ROUGHNESS*

COMPASSES *–GYRO, ELECTRONIC*

American Bosch Arma Corp	320 Fulton Ave, Hempstead	NY
Atlas Coil, Inc	63 Main St, Ansonia	Conn
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
Univox Corp	102 Warren St, New York 7	NY

COMPONENT CLAMPS See CLAMPS
COMPONENT CONTAINERS See BAFFLES, CABINETS: CANS: CASES: HOUSINGS
COMPONENT-HOLDING FIXTURES See FIXTURES *–HOLDING*
COMPONENT INSERTERS See MACHINES *–PRINTED-CIRCUIT PRODUCTION*

COMPONENTS *–PHOTO-ETCHED*

CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PHOTOCIRCUITS CORP., Adv Pg 400	**Glen Cove**	**NY**
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Techniques, Inc	40 Jay St, Englewood	NJ
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

COMPONENTS *–PRINTED-CIRCUIT* See CAPACITOR DISKS: TRANSFORMERS – R-F, *ETCHED WIRING:* RESISTORS *–PRINTED (FOR STANDARD COMPONENTS HAVING SPECIAL TERMINALS FOR INSERTION IN PRINTED WIRING BOARDS, SEE LISTINGS FOR DESIRED COMPONENTS)*
COMPOSITION CAPACITORS See CAPACITORS *–FIXED*
COMPOSITION RESISTORS See RESISTORS *–COMPOSITION*
COMPOUNDS *–CLEANING* See SOLVENTS
COMPOUNDS *–ENCAPSULATING* See RESINS *–ENCAPSULATING*

COMPOUNDS *–POTTING See Also* FOAMS: RESINS: SILICONES

Acme Wire Co	New Haven 14	Conn
Bacon Industries, Inc	192 Pleasant St, Watertown 72	Mass
Biwax Corp	3445 Howard St, Skokie	Ill
CARBORUNDUM CO., GLOBAR PLANT Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Chemical Development Corp	Endicott St, Danvers	Mass
Chemical Products Corp	King Philip Rd, East Providence	RI
DOW CORNING CORP., Adv. Pgs. 238, 239	**Midland**	**Mich**
Hardman Co., Inc., H.V.	571 Cortlandt St, Belleville	NJ
Hi-Test Chemical Corp	722 64th St, Brooklyn 20	NY
Lam-Ply Inc	Railroad Sq, Nashua 5	NH
Minnesota Mining & Mfg. Co., Chemical Div	900 Bush Ave, St. Paul 6	Minn
Mitchell Rand Mfg. Corp	51 Murray St, New York 7	NY
Plastics & Coal Chem Div., Allied Chem Corp	40 Rector St, New York 6	NY
Plastronic Engineering Co	721 Boston Post Rd, Marlborough	Mass
Schenectady Varnish Co., Inc	Congress St & 10th Ave, Schenectady 3	NY

Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Stevenson Brothers & Co	110 Race St, Philadelphia 6	Pa
Technic Inc	P.O. Box 965, Providence 1	RI
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamacia 32	NY
Zophar Mills, Inc	115 26th St, Brooklyn 32	NY

COMPUTER PARTS & ASSOCIATED EQUIPMENT *See* **ACCUMULATORS: ADDERS: AMPLIFIERS** *–COMPUTER* **AMPLIFIERS – D-C AMPLIFIERS** *–PULSE* **AMPLIFIERS** *–SERVO* **ANALYZERS** *–DIFFERENTIAL* **BAYS** *–PATCH* **BOARDS** *–PLOTTING: PLUG & PATCH: PROBLEM* **CABLES** *–PATCH CORD* **CAMS & GEARS CLOCKS** *–COMPUTER* **COMMUTATORS** *–SWITCHING* **CONSOLES** *–COMPUTER CONTROL* **CONVERTERS** *–ANALOG-TO-DIGITAL* **CONVERTERS** *–DIGITAL-TO-ANALOG* **CONVERTERS** *–POLAR-TO-RECTANGULAR COORDINATE* **CONVERTERS** *–PULSE-TO-ANALOG* **CONVERTERS** *–PUNCHED-CARD-TO-TAPE* **CONVERTERS** *–TAPE-TO-PUNCHED-CARD* **CONVERTERS** *–TAPE-TO-TAPE, CODE-CHANGING* **CORES** *–FERRITE* **COUNTERS** *–ELECTRONIC* **DECODERS: DELAYS: DEMODULATORS: ENCODERS: GENERATORS** *–FUNCTION* **HEADS** *–RECORDING* **INDICATORS** *–DIGITAL* **INTEGRATORS: MEMORIES: MULTIPLIERS PERFORATORS** *–COMPUTER TAPE* **PLOTTERS** *–DIGITAL* **POTENTIOMETERS** *–PRECISION* **POWER SUPPLIES** *– D-C OUTPUT* **PRINTERS** *–DIGITAL* **PRINTERS** *–HIGH-SPEED* **PRINTERS** *–KEYBOARD (ELECTRIC TYPEWRITER MODIFIED FOR COMPUTER USE)* **PRINTERS** *–LINE* **PROGRAMMERS READERS** *–PUNCHED-CARD* **READERS** *–PUNCHED-TAPE, ELECTRIC* **READERS** *–PUNCHED-TAPE, PHOTOELECTRIC* **RECORDERS** *–GRAPHIC, MULTICHANNEL* **RECORDERS** *–X-Y* **REGISTERS** *–SHIFT* **RESOLVERS: SIMULATORS: TACHOMETERS: TAPE DECKS: TAPES** *–MAGNETIC RECORDING* **TAPES** *–PAPER* **TESTERS** *–COMPUTER* **TESTERS** *–MEMORY-CORE* **TOTALIZERS** *–DIGITAL* **TUBES** *–CATHODE-RAY, DATA-STORAGE* **TUBES** *–CATHODE-RAY, SHAPED-BEAM* **VOLTMETERS** *–DIGITAL*

COMPUTERS *–GENERAL-PURPOSE*

1. ANALOG 2. DIGITAL

Airmec Ltd., 1	High Wycombe, Buckinghamshire, England	
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
ALLEGANY INSTRUMENT CO., INC., 1, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Alwac Computer Div., El-Tronics, Inc., 2	13040 S. Cerise, Hawthorne	Cal
Applied Dynamics, Inc., 1	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 1-2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Autonetics, Div., North American Aviation, Inc., 2	9150 E. Imperial Hwy, Downey	Cal
B & H Instrument Co., 1-2	3479 W. Vickery Blvd, Ft. Worth 7	Tex
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell & Gossett Co., 1	8202 N. Austin Ave, Morton Grove	Ill
Bendix Aviation Corp., Computer Div., 2	5630 Arbor Vitae St, L A 45	Cal
Boonshaft & Fuchs, Inc., 1	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Bruno-New York Industries Corp., 1	460 W. 34 St, New York 1	NY
California Computer Products, Inc., 2	8714 Cleta St, Downey	Cal
Colorado Research Corp., 1	Broomfield	Colo
Computer Control Co., Inc., 2	983 Concord St, Framingham	Mass
Computer Engineering Associates, Inc., 1	3500 N. Halstead St, Pasadena	Cal
Computer Systems, Inc., 1	611 Broadway, New York 12	NY
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Control Data Corp., Computer Div., 2	501 Park Ave, Minneapolis 15	Minn
Control Technology Co., 1	1186 Broadway, New York 1	NY
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control Systems Div., 2-4	4455 Miramar Rd, La Jolla	Cal
Designers for Industry, 1-2	4241 Fulton Pkwy, Cleveland 9	Ohio
DIGITAL EQUIPMENT CORP., 2, Adv Pg 448	**Maynard**	**Mass**
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
Dynamic Controls Co., 2	2225 Massachusetts Ave, Cambridge	Mass
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EPR Special Products Corp., 1	675 Barbey St, Brooklyn	NY
Electro Data Div., Burroughs Corp	460 Sierra Madre Villa, Pasadena 6	Cal
Electronic Associates, 1	Long Branch	NJ
Electronic Computer Co., Inc., 2	618 Maple St, Conshohocken	Pa
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
Emerson Electric Mfg. Co., 1-2	8100 Florissant Ave, St. Louis 36	Mo
Ensco, Inc., 1	3100 Eldredge St, Salt Lake City	Utah
Epsco-West, 1-2	240 E. Palais Rd, Anaheim	Cal
Erie-Pacific Div of Erie Resistor Corp., 2	12932 S. Weber Way, Hawthorne	Cal
Evershed & Vignoles Ltd., 1	Chiswick, London W. 4, England	
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-2	Robbins Ln, Syosset	NY
FERRANTI ELECTRIC, INC., 2, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Fischer & Porter Co., 1	476 Warminster Rd, Warminster	Pa
Foxboro Co., The, 1	Foxboro	Mass
GPL Div., General Precision, Inc., 1	63 Bedford Rd, Pleasantville	NY
GPS Instrument Co., Inc., 1	180 Needham St, Newton 64	Mass
Garrett Corp., The, 1	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Computers, Inc., 1	9000 W. Pico Blvd, Los Angeles 35	Cal
General Electric Co., Computer Dept., 2	Phoenix	Ariz
General Electric Co., Heavy Military Electronics Dept., 2	Court St, Syracuse	NY
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
Genesys Corp., Sub, Chance Vought, 2	10131 National Blvd, Los Angeles 34	Cal
Giannini Controls Corp., 2	1600 S. Mountain Ave, Duarte	Cal
Gilfillan Bros., Inc., 1-2	1815 Venice Blvd, Los Angeles 6	Cal
Harvey-Wells Electronics, Inc., 2	North St, Southbridge	Mass
Heath Co., A Sub of Daystrom, Inc., 1	Benton Harbor	Mich
Huyck Systems Co., 1-2	360 Wolf Hill Rd, Huntington Sta	NY
I B M Federal Systems Div., 1-2	326 E. Montgomery Ave, Rockville	Md
ITT Federal Div., ITT, 1-2	100 Kingsland Rd, Clifton	NJ
Industrial Control Co., 1	Central at Pinelawn, Farmingdale	NY
International Business Machines Corp., 2	590 Madison Ave, New York 22	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co., 1-2	6650 S. Cicero Ave, Chicago 39	Ill
Laboratory for Electronics, Inc., 1-2	1079 Commonwealth, Boston 15	Mass
Leeds & Northrup Co., 1-2	4970 Stenton Ave, Philadelphia 44	Pa
Librascope Div., General Precision, Inc., 1-2	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-2	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Electronic Equipments Div., 2	336 N. Foothill Rd, Beverly Hills	Cal
Minn-Honeywell, Aeronautical Div., 1-2	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
National Cash Register Co., 2	S. Main at K St, Dayton 9	Ohio
New London Instrument Co., 1	P.O. Box 189, New London	Conn
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
Olympic Radio & Television Co., Div of the Siegler Corp., 1	34-01 38 Ave, Long Island City	NY
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 2	1905 Armacost Ave, Los Angeles 25	Cal
PENNWOOD NUMECHRON CO., 2, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
Performance Measurements Co., 2	15120 Third Ave, Detroit 3	Mich
PHILBRICK RESEARCHES, INC., GEORGE A., 1, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 2	4700 Wissahickon Ave, Philadelphia 44	Pa
Potter Aeronautical Corp., 1-2	Rt 22, Union	NJ
Radiation, Inc., 1-2	Melbourne	Fla
Radio Corp of America Indl Electronic Prods, 2	Front & Cooper, Camden	NJ
Reeves Instrument Corp., 1	Roosevelt Field, Garden City	NY
Remington Rand Div., Sperry Rand Corp., 2	315 Park Ave S., New York 10	NY
Rese Engineering Corp., 2	731 Arch St, Philadelphia 6	Pa
Research, Inc., 1-4	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Royal McBee Corp., 2	Westchester Ave, Port Chester	NY
Servo Development Corp., 1	567 Main St, Westbury	NY
Servomechanisms, Inc., 1-2	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 1	Crowborough, Sussex, England	
Servonics, Inc., 1	822 N. Henry St, Alexandria	Va
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Soroban Engineering, Inc., 2	P.O. Box 1717, Melbourne	Fla
Southern Instruments, Ltd., 1-2	Frimley Rd, Camberley, Surrey, England	
Sperry Gyroscope Div., Sperry Rand, 1-2	Great Neck	NY
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C. 2	England
Stromberg-Carlson Div., Gen Dynamics Corp., 2	100 Carlson Rd, Rochester 3	NY
Summers & Mills, Inc., 1	911 W. Commerce, Dallas 8	Tex
Systron Corp., 2	950 Galindo St, Concord	Cal
Tammen & Denison, Div., Land-Air, Inc., 1	4751 N. Olcott Ave, Chicago	Ill
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1	23555 Euclid Ave, Cleveland 17	Ohio
Technitrol Engineering Co., 2	1952 E. Allegheny Ave, Philadelphia 34	Pa
Telecomputing Corp., 1-2	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 1-2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Thompson-Ramo-Wooldridge Products Co., 2	202 N. Canon Dr, Beverly Hills	Cal
Topp Industries, Inc., 1	5221 W. 102 St, Los Angeles 45	Cal
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
U.S. Science Corp., 1	5221 W. 102nd St, Los Angeles 45	Cal
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
Vitro Corp of America, 2	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc., 2	12 Huron Dr, Natick	Mass
West Coast Research Corp., 1-2	2102 S. Sepulveda Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wright-Zimmerman, Inc., 2	New Brighton, St. Paul 12	Minn

COMPUTERS *–SPECIAL*

1. FIRE CONTROL 2. NAVIGATION, AIRCRAFT 3. NAVIGATION, SHIP 4. PROCESS CONTROL 5. STATISTICAL, ANALOG

Acoustica Associates, Inc., 4-6	10400 Aviation Blvd, Los Angeles 45	Cal
Aeroflex Corp., 2-4-5	34-06 Skillman Ave, Long Island City 1	NY
Airesearch Mfg. Co of Ariz., 1	402 S. 36 St, Phoenix	Ariz
All American Engineering Co., 4	Box 1247, DuPont Airport, Wilmington	Del
American Bosch Arma Corp., 1-2-3	320 Fulton Ave, Hempstead	NY
American Hydromath Corp., 1-3-5	24-20 Jackson Ave, Long Island City 1	NY
Applied Dynamics, Inc., 4-5	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 4, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Automation Management, Inc., 4-5	Westboro 2	Mass
Autonetics, Div. North Amer. Aviation, Inc. 1-2-3-4	9150 E. Imperial Hwy, Downey	Cal
Avco Corp., Crosley Div., 1	1329 Arlington St, Cincinnati 25	Ohio
Bailey Meter Co., 4	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bear Mfg. Co	Rock Island	Ill
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Belock Instrument Corp., 1-2-3-4-5	112-03 14 Ave, College Point	NY
Bendix Aviation Corp., Computer Div., 4	5630 Arbor Vitae St, L A 45	Cal
Boonshaft & Fuchs, Inc., 4-5	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., 5, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
BRIGGS ASSOCIATES, INC., 4, Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Budd Lewyt Electronics, Inc., 1-2-3	43-22 Queens St, Long Island City 1	NY
California Computer Products, Inc., 2-3	8714 Cleta St, Downey	Cal
Canadian Applied Research Ltd., 2-3	750 Lawrence Ave, W., Toronto 19, Canada	
Canadian Marconi Co., 2	2444 Trenton Ave, Montreal, Canada	
Central Dynamics Ltd., 2-3	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Chance Vought Aircraft, Inc., 1-2-3-5	P.O. Box 5907, Dallas 22	Tex
CompuDyne Corp., 4	400 S. Warminster Rd, Hatboro	Pa
Computer Control Co., Inc., 4	983 Concord St, Framingham	Mass
Computer Systems, Inc., 4-5	611 Broadway, New York 12	NY
Computing Devices of Canada, Ltd., 2-3	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 1-2-3-4-5	800 Shames Dr, Westbury	NY
Control Data Corp., Computer Div., 1-4	501 Park Ave, Minneapolis 15	Minn
Control Equipment Corp., 4	19 Kearney Rd, Needham Heights 94	Mass
Cook Technological Center, 1	6401 Oakton St, Morton Grove	Ill
Data Equipment Co., 1-2-3-4-5	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control System Div., 4	4455 Miramar Rd, La Jolla	Cal
Delco Radio Div, GMC., 2-3	700 E. Firmin St, Kokomo	Ind
Designers for Industry, 1-5	4241 Fulton Pkwy, Cleveland 9	Ohio
Detecto Scales, Inc., 4	540 Park Ave, Brooklyn	NY
Di An Controls, Inc., 2-3-4	40 Leon St, Boston 15	Mass
Donner Scientific Co., 2-4-5	888 Galindo St, Concord	Cal
Dynamic Controls Co., 4	2225 Massachusetts Ave, Cambridge	Mass
EMI-COSSOR ELECTRONICS LTD., 1-4, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EPR Special Products Corp., 1-2-3-4	675 Barbey St, Brooklyn	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2, Adv. Pgs. 193-196	**Teterboro**	**NJ**
ELECTRO SCIENTIFIC INDUSTRIES INC., 4-5, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electrodynamic Instrument Corp., 4	1841 Old Spanish Trail, Houston 25	Tex
Electromation Co., 2	1646 18th St, Santa Monica	Cal
Electronic Assistance Corp., 2	20 Bridge Ave, Red Bank	NJ
Electronic Associates, Inc., 4-5	Long Branch	NJ
Emerson Electric Mfg. Co., 1	8100 Florissant Ave, St. Louis 36	Mo
Epsco, Inc., Systems Div., 1-2-3-4	275 Massachusetts Ave, Cambridge 39	Mass
Epsco-West, 1-4	240 E. Palais Rd, Anaheim	Cal

CompuDyne Corp., 1	400 S. Warminster Rd, Hatboro	Pa
Computer Engineering Associates, Inc., 1	350 N. Halstead St, Pasadena	Cal
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Control Data Corp., Computer Div., 2	501 Park Ave, Minneapolis 15	Minn
Cook Electric Co., 2	2700 Southport Ave, Chicago 14	Ill
Cook Technological Center, 1-2	6401 Oakton St, Morton Grove	Ill
DeHavilland Aircraft/Spec. Prods. Div., 1	Downsview, Ontario, Canada	
Designers for Industry, 1-2	4241 Fulton Pkwy, Cleveland 9	Ohio
Digital Instrument Labs., 1-2	152 S. Atlantic Blvd, Los Angeles	Cal
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
Douglas Aircraft Co., Inc., 1-2	3000 Ocean Park Ave, Santa Monica	Cal
Electronic Associates, Inc., 1	Long Branch	NJ
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
ESCOTRONICS, 2, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
GPS Instrument Co., Inc., 1	180 Needham St, Newton 64	Mass
General Electric Co., Computer Dept., 2	Phoenix	Ariz
General Kinetics, Inc., 2	2611 Shirlington Rd, Arlington 6	Va
Goodyear Aircraft Corp., 1-2	1210 Massillon Rd, Akron 15	Ohio
Hagan Chemicals & Controls, Inc., 1	Hagan Center, Pittsburgh 30	Pa
Laboratory for Electronics, Inc., 1-2	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 1-2	7444 W. Wilson Ave, Chicago 31	Ill
Librascope Div., General Precision, Inc., 1-2	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 2	Nowlan Rd, Hillcrest, Binghamton	NY
Lockheed Electronics Co., Info Tech Div., 1-2	Metuchen	NJ
Lockheed Electronics Co., Stavid Div., 1-2	U.S. Hwy 22, Plainfield	NJ
MB ELECTRONICS, A DIV OF TEXTRON		
Evershed & Vignoles Ltd., 4	Chiswick, London W. 4, England	
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-2-3-4-5	Robbins Ln, Syosset	NY
Feedback Controls, Inc., 1-2-3-4	8 Erie Dr, Natick	Mass
FERRANTI ELECTRIC, INC., 4, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Ford Instrument Co., Div., Sperry Rand Corp., 1-2-3	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The, 4	Foxboro	Mass
Franklin Electronics, Commun & Control Div., 4	5901 Noble Ave, Van Nuys	Cal
GPE Controls, Inc., 3-4	240 E. Ontario St, Chicago 11	Ill
GPL Div., General Precision, Inc., 2	63 Bedford Rd, Pleasantville	NY
GPS Instrument Co., Inc., 5	180 Needham St, Newton 64	Mass
Garrett Corp., The, 1-2	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Electric Co., Computer Dept., 4	Phoenix	Ariz
General Electric Co., Heavy Military Electronics Dept., 1	Court St, Syracuse	NY
General Electric Co., Light Military Electronics Dept., 1-2	French Rd, Utica	NY
General Electric Co., Ordnance Dept., 1	100 Plastics Ave, Pittsfield	Mass
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
Genesys Corp., Sub, Chance Vought, 4	10131 National Blvd, Los Angeles 34	Cal
Giannini Controls Corp., 1-2-3-4	1600 S. Mountain Ave, Duarte	Cal
Gilfillan Bros., Inc., 2	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp., 4	1210 Massillon Rd, Akron 15	Ohio
Gordon Enterprises, 1	5362 N. Cahuenga Blvd, N. Hollywood	Cal
HALLICRAFTERS CO., 2-4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harvey-Wells Electronics, Inc., 4	North St, Southbridge	Mass
Hughes Microwave Components Div., 1-2	Florence & Teale, Culver City	Cal
I B M Federal Systems Div., 2	326 E. Montgomery Ave, Rockville	Md
ITT Federal Div., ITT, 1-2-3	100 Kingsland Rd, Clifton	NJ
Industrial Control Co., 1-4	Central at Pinelawn, Farmingdale	NY
Industrial Nucleonics Corp., 4	650 Ackerman Rd, Columbus 2	Ohio
Instrument Systems Corp., 2-4-5	129-07 18th Ave, College Point 56	NY
International Business Machines Corp., 1-2	590 Madison Ave, New York 22	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kinematic Systems, 4	41-11-49th St, Long Island City	NY
Laboratory for Electronics, Inc., 1-2	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 1-2	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
Leeds & Northrup Co., 4	4970 Stenton Ave, Philadelphia 44	Pa
Librascope Div., General Precision, Inc., 1-2-3-4	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 2-3-4-5	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Electronic Equipments Div., 2-4	336 N. Foothill Rd, Beverly Hills	Cal
Lockheed Electronics Co., Info Tech Div., 4	Metuchen	NJ
Lockheed Electronics Co., Stavid Div., 4-5	U.S. Hwy 22, Plainfield	NJ
Loral Electronics Corp., 2	825 Bronx River Ave, New York 72	NY
MAGNETIC AMPLIFIERS, INC., 4, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Milgo Electronic Corp., 1-4	7620 N.W. 36th Ave, Miami 47	Fla
Minn-Honeywell, Aeronautical Div., 1-2-3	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 4	Wayne & Windrim, Philadelphia 44	Pa
NAVIGATION COMPUTER CORP., 1-4, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Norden Div., United Aircraft Corp., 1	58 Commerce Rd, Stamford	Conn
Northrop Corp., 1-2-3	1001 E. Broadway, Hawthorne	Cal
Otis Elevator Co., 2	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 2-3-4	1905 Armacost Ave, Los Angeles 25	Cal
PENNWOOD NUMECHRON CO., 3, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
PHILBRICK RESEARCHES, INC., GEORGE A., 4, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 1-2-4	4700 Wissahickon Ave, Philadelphia 44	Pa
Potter Aeronautical Corp., 4	Rt 22, Union	NJ
Production Research Corp., Sub of Radio Condenser Co., 2-3	Claremont Ave, Thornwood	NY
Reeves Instrument Corp., 1	Roosevelt Field, Garden City	NY
Remanco, 1	1630 Euclid St, Santa Monica	Cal
Rodale Electronics, 2	562 Grand Blvd, Westbury	NY
Ryan Electronics Div., Ryan Aeronautical Co., 2	5650 Kearny Mesa Rd, San Diego 12	Cal
SANDERS ASSOCIATES, INC., 1, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Scientific-Atlanta, Inc., 5	2162 Piedmont Rd N.E., Atlanta 9	Ga
Seiscor Div., Seismograph Service Corp., 3	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Servomechanisms, Inc., 1-2-4-5	12500 Aviation Blvd, Hawthorne	Cal
Solartron, Inc., 2-3	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co., 4	10201 Westheimer Rd, Houston 19	Tex
Specialties, Inc., 1	Skunks Misery Rd, Syosset	NY
Sperry Gyroscope Div., Sperry Rand, 1-2-3	Great Neck	NY
Stromberg-Carlson Div., Gen Dynamics Corp., 2-3	100 Carlson Rd, Rochester 3	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-2-3	23555 Euclid Ave, Cleveland 17	Ohio
TELECHROME MFG. CORP., 4, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 1-2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telex, Inc., 4	Telex Park, St. Paul 1	Minn
Tenlo Research Corp., 4	9424 Lyndale Ave S., Minneapolis 20	Minn
Thompson-Ramo-Wooldridge Products Co., 4	202 N. Canon Dr, Beverly Hills	Cal
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
Transdyne Corp., 4	43 Albertson Ave, Albertson	NY
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
U.S. Science Corp., 1-2	5221 W. 102nd St, Los Angeles 45	Cal
Vitro Corp of America, 1-2-3-4	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc., 5	12 Huron Dr, Natick	Mass
WESTINGHOUSE ELECTRIC CORP., 4, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

COMPUTING SERVICES

1. ANALOG 2. DIGITAL

A R & D A, 1-2	135 Main St, Belleville 9	NJ
Abacus, Inc., 2	3040 Overland Ave, Los Angeles 34	Cal
Advanced Technology Labs., 2	369 Whisman Rd, Mountain View	Cal
Alwac Computer Div., El-Tronics, Inc., 2	13040 S. Cerise, Hawthorne	Cal
Avco, Research & Advanced Development Div., 2	201 Lowell St, Wilmington	Mass
B & H Instrument Co., 1-2	3479 W. Vickery Blvd, Ft. Worth 7	Tex
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 1-2	P.O. Box 1, Bufflao 5	NY
Bell & Gossett Co., 1	8202 N. Austin Ave, Morton Grove	Ill
Bendix Aviation Corp., Computer Div., 2	5630 Arbor Vitae St, L A 45	Cal
Benson-Lehner Corp., 1-2	1860 Franklin, Santa Monica	Cal
Boonshaft & Fuchs, Inc., 1	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
C.E.I.R., Inc., 2	1200 Jefferson Davis Hwy, Arlington 2	Va
ELECTRONICS, INC., 1, Adv Pg 325	**P. O. Box 1825, New Haven 8**	**Conn**
Milgo Electronic Corp., 1-2	7620 N.W. 35th Ave, Miami 47	Fla
Missouri Research Labs., Inc., 1	2109 Locust St, St. Louis 3	Mo
Northrop Corp., 1-2	1001 E. Broadway, Hawthorne	Cal
PENNWOOD NUMECHRON CO., 2, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
PHILBRICK RESEARCHES, INC., GEORGE A., 1, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 2	4700 Wissahickon Ave, Philadelphia 44	Pa
Radio Corp of America Indl Electronic Prods, 2	Front & Cooper, Camden	NJ
Reeves Instrument Corp., 1	Roosevelt Field, Garden City	NY
Remington Rand Div., Sperry Rand Corp., 2	315 Park Ave S., New York 10	NY
Ryan Electronics Div., Ryan Aeronautical Co., 1-2	5650 Kearny Mesa Rd, San Diego 12	Cal
SANDERS ASSOCIATES, INC., 2, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Seiscor Div., Seismograph Service Corp., 2	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Soroban Engineering, Inc., 2	P.O. Box 1717, Melbourne	Fla
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C. 2	England
Stone Laboratories Inc., 2	1312 Tremont St, Boston 20	Mass
Telecomputing Corp., 1-2	915 N. Citrus Ave, Hollywood	Cal
Thompson-Ramo-Wooldridge Products Co., 2	202 N. Canon Dr, Beverly Hills	Cal
Topp Industries, Inc., 1	5221 W. 102 St, Los Angeles 45	Cal
United Control Corp., 1	4540 Union Bay Pl, Seattle 5	Wash
Vitro Corp of America, 2	261 Madison Ave, New York 16	NY

CONDENSERS *See* CAPACITORS
CONDUCTIVE CEMENTS *See* CEMENTS
CONDUCTIVE COATINGS *See* COATINGS
CONDUCTIVE PAINTS *See* PAINTS *—PRINTED-CIRCUIT*
CONDUCTIVITY CONTROLS *See* CONTROLS *—CONDUCTIVITY*
CONDUCTIVITY INDICATORS *See* INDICATORS *—CONDUCTIVITY*
CONDUCTIVITY RECORDERS *See* RECORDERS *—CONDUCTIVITY*
CONELRAD RECEIVERS *See* RECEIVERS *—RADIO COMMUNICATION*
CONES *—SPEAKER See* DIAPHRAGMS
CONNECTOR ASSEMBLIES *See* CABLE ASSEMBLIES
CONNECTOR CAPS *—PROTECTIVE See* CAPS
CONNECTOR-HOLDING FIXTURES *See* FIXTURES *—HOLDING*

CONNECTORS (*Incl. MATING PLUGS*)

1. ANODE 2. A-F & MICROPHONE 3. ANTENNA 4. COAXIAL CABLE 5. DIODE 6. ELECTRICAL. AN OR MIL-C-5015 7. HERMETICALLY SEALED & PRESSURIZED 8. HIGH-VOLTAGE 9. INTERLOCK 10. MINIATURE 11. PHONE 12. POWER 13. PRINTED-CIRCUIT 14. R-F 15. SOLDERLESS 16. SUBMINIATURE 17. TEMPERATURE CALIBRATED, THERMOCOUPLE 18. VACUUM LINE 19. WATERPROOF See Also JACKS; PLUGS

A.P.M. CORP., 12, Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
Accurate Electronics Corp., 1-2-3-5-8-9-10-11-12-13-14-15-16	Dept G, 169 Abbe Rd S., Elyria	Ohio
Advanced Vacuum Products, Inc., Sub Indiana General Corp., 7	430 Fairfield Ave, Stamford	Conn
Aero Research Instrument Co., 17	315 N. Aberdeen St, Chicago 7	Ill
Aerolite Electronics Corp., 1-3-9-11	2207 Summit Ave, Union City	NJ
Aeroquip Corp., 4	300 S. East St, Jackson	Mich
Airaterra, 2-4-19	620 Paula Ave, Glendale	Cal
Airtron, Div of Litton Industries, 14	200 E. Hanover Ave, Morris Plains	NJ
ALDEN PRODUCTS CO., 1-8-10-11-12-16, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
American Development Electronics Co., 4-6-7	212 Central Ave, Newark	NJ
American Electronics Co., 2-3-4-11-14	178 Herricks Rd, Mineola	NY
AMERICAN MICROPHONE MFG. CO., 2, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
AMP, INC., 6-10-13-15, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co., 1-2-3-8-9-10-11-12-15-16-17-18-19	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288 2-3-4-6-7-8-9-10-11-12-13-14-15-16-17-19	**1830 S. 54th Ave, Chicago 50**	**Ill**
Amphenol Western Div., Amphenol-Borg Electronics Corp., 4-6-7-8-10-13-14-16	9201 Independence Ave, Chatsworth	Cal
Amplivox Ltd., 2-10	Beresford Ave, Wembley, Middlesex, England	
Andrew Corp., 4	P. O. Box 807, Chicago 42	Ill
ANTON ELECTRONIC LABS., INC., 4-6-7-8-9-10-12-13-14-15-16-17-18-19, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Ardente Acoustic Laboratories, Ltd., 16	8/12 Minerva Rd, London N.W. 10, England	
Armel Electronics, Inc., 6-8-10-12-13	840 Fifth Ave, Brooklyn 32	NY
Arnoux Corp., 4-6-7-10-13-14-15-16-17-19	11924 W. Washington Blvd, L.A. 66	Cal
Arrow-Hart & Hegeman Electric Co., 9-12	103 Hawthorn St, Hartford 6	Conn
ART WIRE & STAMPING CO., 1-5, Adv Pg 74	**227 High St, Newark 2**	**NJ**
AUDIOSEARS CORP., 2-10, Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
AUDIOTEX MFG. CO., 2-11, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Auto-Swage Products, Inc., 9-11-13	255 Canal St, Shelton	Conn
AUTOMATIC METAL PRODUCTS CORP., 4-7-8-10-13-14-16-19, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Automation Electronics, Inc., 10-13-15-16	1500 W. Verdugo Ave, Burbank	Cal
Aviation Electric, Ltd., 6-7-10-17-19	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	

Aviel Electronics, Inc., 3-4-7-8-10-14-16	4204 Glencoe Ave, Venice	Cal
Avnet Electronics Corp., 4-6-7-10-14	70 State St, Westbury	NY
Barker Products Co., 2-11	3 Component Park, West Bridgewater	Mass
Barker & Williamson, 3	Canal & Beaver Sts, Bristol	Pa
BEAD CHAIN MFG CO., 10-11-13, Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
Beckley Electric Co., 6-8-12	466 Grand Ave, Brooklyn	NY
Benco Television Associates, Ltd., 4-14-15	27 Taber Rd, Rexdale, Ontario, Canada	
Berg Mfg. Corp., 10-13-15	142 Reno Ave, New Cumberland	Pa
BIRD ELECTRONIC CORP., 4-14, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
BIRNBACH RADIO CO., INC., 1-2-8-9-10-11-15-16, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Blonder-Tongue Laboratories, Inc., 3-4-14-15	Dept EBG, 9 Alling St, Newark 2	NJ
Brew & Co., Inc., Richard D., 4-8	90 Airport Rd, Concord	NH
BUCHANAN ELECTRICAL PRODUCTS CORP., 12-15, Adv Pg 438	**525 U. S. 22, Hillside**	**NJ**
Buggie, H.H., Div., Burndy Corp., 3-4-5-6-7-8-9-10-12-13-14-15-16-19	P.O. Box 817, Toledo 1	Ohio
BURNDY CORP., 4-6-7-8-9-10-12-13-14-15, Adv Pg 192	**Norwalk**	**Conn**
Cable Electric Products, 2-4-6-10-12-19	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., 5-10-13-15, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Cannon Electric Co., 2-4-6-7-8-9-10-12-13-14-15-16-17-18-19	3208 Humboldt St, Los Angeles 31	Cal
Carol Electronics Corp., 6-12-19	315 W. Stephen St, Martinsburg	W. Va
Central Porcelain Co., 15	P.O. Box 42, Columbiana	Ohio
CINCH MFG. CO., 1-2-3-4-5-8-10-11-12-13-16, Adv.Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
Circle Mfg. Co., 9-12	722 Monmouth St, Trenton 4	NJ
CIRCON COMPONENT CORP., 3-10-11-12-13-16, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Coaxial Connector Co., Inc., 4-7-8-10-14-15-19	37 N. 2nd Ave, Mt. Vernon	NY
COLE ELECTRIC CO., 4-7-8-9-12-13-19, Adv Pg 496	**8439 Stellar Dr, Culver City**	**Cal**
Component Mfg. Service, Inc., 2-3-4-10-11-12-19	West Bridgewater	Mass
COMPONENTS FOR RESEARCH, INC., 4-8-12-15, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
Connector Corp., 1-3-9-10-13	6025 N. Keystone, Chicago	Ill
Connector Corp of America, 4	12959 Sherman Way, North Hollywood	Cal
Connector Seals Corp., 7-8-10-16-19	P.O. Box 4116, Pasadena	Cal
Consolidated Electrodynamics Corp., 6-10	360 N. Sierra Madre Villa, Pasadena	Cal
CONSTANTIN & CO., L.L., 7, Adv Pg 291	**Rt. 46, Lodi**	**NJ**
CONTINENTAL CONNECTOR CORP., 4-6-7-8-10-12-13-15-16, Adv Pg 110	**34-63 56th St, Woodside 77**	**NY**
Cordo (Canada) Ltd., 1-9-10-11-12-15	149 Sterling Rd, Toronto 3, Ontario, Canada	
DAGE ELECTRIC CO., 4-7-10-14, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Dante Electric Mfg. Co., 15	P.O. Box 6, Bantam	Conn
DEJUR-AMSCO CORP., 4-6-7-8-10-12-13-15-16, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Deutsch Co., Electronic Components Div., 4-6-7-8-9-10-12-14-15-19	Municipal Airport, Banning	Cal
DIALIGHT CORP., 2-10-16, Adv Pg 563	**60 Stewart Ave, Brooklyn 37**	**NY**
Dielectric Products Engrg Co., Inc., 4	Raymond	Me
Don-Lan Electronics, Inc., 3-4-7-14	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 3-4-14	29 New York Ave, Westbury	NY
Dow-Key Co., Inc., 4	Hwy 59 S.E., Thief River Falls	Minn
ETC INC., 15, Adv Pg 200	**990 E. 67th St, Cleveland 3**	**Ohio**
Eagle Electric Mfg. Co., Inc., 9-12-15	23-10 Bridge Plaza S., L.I. City	NY
Eby Co., Hugh H., 10-11-13-16-19	4701 Germantown Ave, Philadelphia 44	Pa
Ecco Electronic Components Corp., 2-3-4-7-8-10-11-12-14-15-19	578 Nepperhan Ave, Yonkers	NY
Edwards High Vacuum(Canada)Ltd., 18	Box 515, Burlington, Ontario, Canada	
Elco Corp., 2-5-6-10-12-13-15-16	M St Below Erie Ave, Philadelphia 24	Pa
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., 7-10-16, Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
Electro-Physics Labs, Div Marshall Industries, 4-10-13-14-16	1900 Walker Ave, Monrovia	Cal
Electro-Products, Inc., 3-11-15-16	15050 Schaefer Hwy, Detroit 27	Mich
Entron, Inc., 4-14-15	4902 Lawrence St, Bladensburg	Md
Equipment & Service Co., 12-19	7118 Envoy Ct, Dallas 7	Tex
FALCON MACHINE & TOOL CO., 10, Adv Pg 520	**207 Concord Trnpk, Cambridge**	**Mass**
Fastex Div., Illinois Tool Works, 3	195 Algonquin Rd, Des Plaines	Ill
FUSITE CORP., 7-8-10, Adv Pg 181	**6000 Fernview Ave, Cincinnati 13**	**Ohio**
G-C ELECTRONICS CO., 11-15, Adv Pg 521	**400 St. Wyman St, Rockford**	**Ill**
Garrett Corp., The, 8-12-15	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL COMMUNICATION CO., 14, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
General Components Co., 10-15	225-229 E. 144th, New York 51	NY
GENERAL HERMETIC SEALING CORP., 7, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
General Products Corp., 10	107 Salem St, Union Springs	NY
GENERAL RADIO CO., 4-14, Adv Pg 285	**West Concord**	**Mass**
GENERAL RF FITTINGS, INC., 3-4-7-10-14-19, Adv Pg 460	**702 Beacon St, Boston 15**	**Mass**
Glasseal Products Co., Inc., 5-7-10-16	725 Commerce Rd, Linden	NJ
Glass-Tite Industries, Inc., 6-7-10-16-19	725 Branch Ave, Providence 4	RI
Good Electronic Corp., 13	P.O. Box 2406, W. Palm Beach	Fla
Gorn Electronics, Inc., Div., Gorn Electric Co., 6-7-8-9-10-12-13-15-16-19	843 Main St, Stamford	Conn
Graham Mfg. Co., Inc., 3	470 Bridge St, East Greenwich	RI
GRAPHIK-CIRCUITS DIV., CINCH, 13, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
Greenfield Components Corp., 7	184 Shelburne St, Greenfield 16	Mass
GREMAR MFG. CO., INC., 4-7-8-10-14-16-19, Adv Pg 505	**7 North Ave, Wakefield**	**Mass**
Harvey Hubbell, Inc., 9-12-16	State St & Bostwick Ave, Bridgeport 2	Conn
HERMETIC SEAL CORP., 6-7, Adv Pg 475	**29-37 S. Sixth St, Newark 7**	**NJ**
Hermetite Corp., 7	702 Beacon St, Boston 15	Mass
Hi-Lo Mfg. Corp., 3	1122 W. Newport Ave, Chicago 13	Ill
Hobson Brothers, Inc., 8	4940 W. Lawrence Ave, Chicago 30	Ill
Hollingsworth Co., Solderless Terminal Div., 15	Box 430, Phoenixville	Pa
Holub Industries, Inc., 15	468 Elm St, Sycamore	Ill
HUGHES VACUUM TUBE PRODUCTS DIV., 18, Adv Pg 149	**Oceanside**	**Cal**
I. H. Manufacturing Co., 1-3-8-11-13	121 Greene St, New York 12	NY
Ideal Industries, Inc., 15	5103 Park Ave, Sycamore	Ill
INDUSTRIAL ELECTRONIC HARDWARE CORP., 1-3-8-9-11-13-15, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Industrial Products-Danbury Knudsen Div., Amphenol-Borg Electronics Corp., 4-7-9-10-14-16	33 E. Franklin St, Danbury	Conn
International Pump & Machine Works, 18	81 Dorsa Ave, Livingston	NJ
Jan Hardware Mfg. Co., Inc., 8	38-01 Queens Blvd, Long Island City 1	NY
Javex Electronics, 3-4-6-10-11-12-15	P.O. Box 646, Redlands	Cal
JERROLD ELECTRONICS CORP., 4-14-15, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JETTRON PRODUCTS, INC., 1-10-16, Adv. Pgs. 550, 551	**56 Rt. 10, Hanover**	**NJ**
Joclin Mfg. Co., 4-7-8	9 Lufbery Ave, Wallingford	Conn
Johnson Co., E.F., 8-10-12-13-14-15	Waseca	Minn
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 14, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Jones Electronics, Hiram, 10-16	2313 W. Olive Ave, Burbank	Cal
Jones, Howard B., Div., Cinch Mfg. Co., 3-12	1026 S. Homan Ave, Chicago 24	Ill
Jones & Roy Co., 7-16	620 Commercial Ave, Covina	Cal
Joy Mfg. Co., 7-8-9-12-19	Dept 39, Oliver Bldg, Pittsburgh 22	Pa
Kennedy Industries, 13-15	1581 E. Charles St, Banning	Cal
Keystone Electronics Corp., 10-11-15	49 Bleecker St, New York 12	NY
KINGS ELECTRONICS CO., INC., 2-3-4-7-8-10-13-14-15-16, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kinney Vacuum Div., New York Air Brake Co., 18	3529 Washington St, Boston	Mass
Kolton Electric Mfg. Co., 15	123 New Jersey Railroad Ave, Newark 5	NJ
Kulka Electric Corp., 9-11-12-13	633 S. Fulton Ave, Mt. Vernon	NY
Lab-Tronics, Inc., 2-4-9-10-11-12-19	3656 N. Lincoln, Chicago 13	Ill
Lerco Electronics, Inc., 16	501 S. Varney St, Burbank	Cal
Leviton Mfg. Co., Inc., 9-10	236 Greenpoint Ave, Brooklyn 22	NY
Liquidometer Corp., 4-10	41-03 36th St, Long Island City 1	NY
McCormick Selph Associates, 7-16	Hollister Airport, Hollister	Cal
Malco Mfg. Co., 3-9-10-13-15-16	4023 W. Lake St, Chicago 24	Ill
Mallory & Co., Inc., P.R., 11	34 S. Gray St, Indianapolis 6	Ind
Mandex Mfg. Co., Inc., 1	2616 W. 48 St, Chicago	Ill
Marconi's Wireless Telegraph Co., Ltd., 4	750 Third Ave, New York 17	NY
Mendelsohn Speedgun Div., Microlab., 4-7-10-14-16	4th Ave, Haskell	NJ
METHODE MFG. CORP., 7-10-11-13-15-16-19, Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
MICRODOT, INC., 3-4-7-10-13-14-15-16-19, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
MICROLAB, 4-14, Adv Pg 340	**570 W. Mt Pleasant Ave, Livingston**	**NJ**
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 16, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
Millen Mfg. Co., James, 1-2-3-8-10-14	150 Exchange St, Malden	Mass
Molded Insulation Co., 6-7-10-13-16-19	335 E. Price St, Phila 44	Pa
Molding Corp of America, 7-8-10-15-16-19	42 Church St, Pawtucket	RI
Molex Products Co., 15	9515 Southview Ave, Brookfield	Ill
Monadnock Mills Div., United Carr, 1	1977 1st Ave, San Leandro	Cal
Frank W. Morse Co., 10	354 Congress St, Boston 10	Mass
Mosley Electronics, Inc., 3	4610 N. Lindbergh, Bridgeton	Mo
NRC Equipment Corp., 18	160 Charlemont St, Newton 61	Mass
National Fabricators, Inc., 4-5-11	2650 W. Belden Ave, Chicago 47	Ill
Nichols Products Co., 14	323 W. Main St, Moorestown	NJ
Nugent Electronics Co., Inc., 4-7-10-13-16-19	802 E. Eighth St, New Albany	Ind
Nutmeg Screw Machine Products Co., 10-16	P.O. Box 1470, Waterbury	Conn
Oki & Willadsen, Ltd., 10-11-13-16	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pacific Electricord Co., 10-12	3217 Exposition Pl, Los Angeles 18	Cal
PENN-UNION ELECTRIC CORP., 15, Adv Pg 528	**315 State St, Erie**	**Pa**
Permonite Mfg. Co., 1-3-9-11-15	910 W. Jackson Blvd, Chicago 7	Ill
Phalo Plastics Corp., 11	530 Boston Tmpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., 4, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Plastic Mold & Engineering Co., 10-11-16	Wampanoag Trail, P.O. Box 4265, East Providence 14	RI
Powell Co., Harold H., 4-6-7-10-19	2102 Market St, Philadelphia	Pa
Precision Connectors, Inc., 4-7-8-10-12-13-14-16-17	165 E. Second St, Mineola	NY
Prodelin, Inc., 3-4-14	307 Bergen Ave, Kearny	NJ
Pyle-National Co., 6-7-8-10-12-17-19	1334 N. Kostner Ave, Chicago 51	Ill
Quality Hermetics, Ltd., 6-7	45 Hollinger Rd, E. York, Toronto, Ontario	
Raypar, Inc., 1	7800 W. Addison St, Chicago	Ill
Remler Co., 2-7-19	2101 Bryant St, San Francisco 10	Cal
Research Development Manufacture Inc., 10-16	429 E. Collom St, Philadelphia 44	Pa
Revere Corp of America Sub., Neptune Meter Co., 17	Wallingford 2	Conn
Robins Industries Corp., 11	36-27 Prince St, Flushing 54	NY
Roflan Co., 2-9-12	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Ross Co., Milton, 3-4-5-6-7-8-9-10-11-13-14-15-16-19	239 Jacksonville Rd, Hatboro	Pa
Royal Electric Corp., 9	95 Grand Ave, Pawtucket	RI
Ruge Associates, Inc., Arthur C., 17	Hudson	NH
Rye Sound Corp., 2-3-4-9-10-11-15-16	145 Elm St, Mamaroneck	NY
SCIENTIFIC ELECTRONIC LABS., INC., 7, Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
SCINTILLA DIV., BENDIX AVIATION CORP., 6-7-8-10-12-15-16-17-19, Adv Pg 363	**Sidney**	**NY**
Sealectro Corp., 4-13-14-16	139 Hoyt Ave, Mamaroneck	NY
Sealtron Corp., 6-7-10	Reading Rd at Amity, Cincinnati 15	Ohio
Sierra Electric Corp., 6-10-13	15100 S. Figueroa St, Gardena	Cal
Signal Indicator Corp., 2-10-16	42 Stewart Ave, Brooklyn 37	NY
Smith, Inc., Herman H., 2-3-4-10-11-15	2326 Nostrand Ave, Brooklyn 10	NY
Smith Mfg. Co., Inc., E.C., 4-7-17	Ferrest & Hector Sts, Conshohocken	Pa
Specialty Electronics Development Corp., 12-19	Eileen Way, Syosset	NY
Sperti-Faraday, 7	722 Grand St, Hoboken	NJ
STAFFORD MFG. CO., INC., 13, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Stanley Aviation Corp., 13-16	2501 Dallas St, Denver 8	Colo
Super Ear Products Co., 11-16	32 Deering, East Rockaway	NY
Superior Electric Co., 12	83 Laurel St, Bristol	Conn
SWITCHCRAFT, INC., 2-10-11, Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
Sylvania Electric Products Inc., Parts Div., 10-13	12 Second Ave, Warren	Pa
Tamar Electronics, Inc., 3-4-7-8-14-15-19	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 3-4-8	23555 Euclid Ave, Cleveland 17	Ohio
Technology Instr Corp of Ariz., 10-13-16-17	1050 E. Valencia Rd, Tucson 2	Ariz
TED MFG. CO., 4-7-10-14-16-19, Adv Pg 117	**11415 Johnson Dr, Shawnee**	**Kan**
TELCON, 4-14, Adv Pg 406	**P.O.Box 216, Pacific Palisades**	**Cal**
TELECTRO INDUSTRIES CORP., 11, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Thermo Electric Co., 17	Rochelle Park P.O., Saddle Brook	NJ
Thomas & Betts Co., Inc., The, 4-9-10-14-15	36 Butler St, Elizabeth 1	NJ
Tingstol Co., 13	1340 W. Fullerton, Chicago 14	Ill
Titeflex, Inc., 6-8-10-15-19	534 Hendee St, Springfield	Mass
Tricraft Products Corp., 3	1124 W. Newport Ave, Chicago 13	Ill
Tru-Connector Corp., 4-7-8-9-14-16-19	416 Union St, Lynn	Mass

Tucson Instrument Corp., 4	P. O. Box 11247, Tucson 2	Ariz
UCINITE CO., DIV., UCC, 1-3-5-7-8-11-13-16, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Uni-Seal, Inc., 7	477 North Ave, Garwood	NJ
U. S. Components, Inc., 6-7-8-10-12-13-15-16-19	454 E. 148 St, New York 55	NY
Vaco Products Co., 15	317 E. Ontario, Chicago	Ill
VECTOR ELECTRONIC CO., 15-16, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Veeco Vacuum Corp., 17-18	86 Denton Ave, New Hyde Park	NY
Victor R.F. & Microwave Co., 3	36 W. Water St, Wakefield	Mass
Viking Industries, Inc., 7-8-10-12-13-15-16-19	21343 Roscoe Blvd, Canoga Park	Cal
Waldom Electronics, Inc., 1-9-11-13-15	4621 W. 53rd St, Chicago 32	Ill
Waltham Horological Corp., 4-14	396 Lynnway, Lynn	Mass
Warren Components Div., El-Tronics, 1-5-7	S. Irvine St, Warren	Pa
West Instrument Corp., 17	4363 W. Montrose, Chicago 41	Ill
Western Insulated Wire Co., 6	2425 E. 30 St, Los Angeles 58	Cal
Whitney Blake Co., 6-7-12	97 Pershing St, New Haven 14	Conn
Winchester Electronics, Inc., 4-6-7-8-9-10-12-13-15-16-19	Willard Rd, Norwalk	Conn
Wood Electric Co., 4-10-16	44 Broad St, Lynn	Mass

CONNECTOR VISES See **FIXTURES** —*HOLDING*

CONSOLES
1. A-F CONTROL 2. COMPUTER CONTROL

Aerovox Corp., 1	740 Belleville Ave, New Bedford	Mass
American Development Electronics Co., 1	212 Central Ave, Newark	NJ
APPLIED ELECTRONICS CORP OF N.J., 2 Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Audiofax Associates, Inc., 1	P.O. Box 861, Stony Brook	NY
Avco Corp., Crosley Div., 2	1329 Arlington St, Cincinnati 25	Ohio
Collins Radio Co., 1	855 35 St N.E., Cedar Rapids	Iowa
CompuDyne Corp., 2	400 S. Warminster Rd, Hatboro	Pa
Computer Systems, Inc., 2	611 Broadway, New York 12	NY
Consolidated Avionics Corp., 2	800 Shames Dr, Westbury	NY
Daystrom, Inc.; Control Systems Div., 2	4455 Miramar Rd, La Jolla	Cal
Donner Scientific Co., 2	888 Galindo St, Concord	Cal
Dynamic Electronics, Capehart Corp., 1	87-46 123 St, Richmond Hill 18	NY
Electronic Associates, Inc., 2	Long Branch	NJ
Electronic Research & Dev.Co., Ltd., 1	210 9th Ave, S.E., Calgary, Alberta, Canada	
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
Ensco, Inc., 2	3100 Eldredge St, Salt Lake City	Utah
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL HERMETIC SEALING CORP., 1, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
HALLICRAFTERS CO., 1, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
International Business Machines Corp., 2	590 Madison Ave, New York 22	NY
Magnasync Corp., 1	5546 Satsuma Ave, North Hollywood	Cal
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Neill Co., Inc., R.W., 1	4320 W. Montrose, Chicago 41	Ill
North Electric Co., 1	553 S. Market St, Galion	Ohio
Otis Elevator Co., 2	35 Ryerson St, Brooklyn 5	NY
Reeves Instrument Corp., 2	Roosevelt Field, Garden City	NY
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Sonex, Inc., 1	185 W. Schoolhouse Ln, Philadelphia 44	Pa
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
United Aircraft Products Inc., 1-2	1116 Bolander Ave, Dayton 1	Ohio
U.S. Recording Co., 1	1345 Capitol St, Washington	DC
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY
Wickes Engineering & Construction Co., 1	12th St & Ferry Ave, Camden 4	NJ

CONSTRUCTION KITS See **KITS**
CONTACT CLEANERS See **CLEANERS** —*CONTACT*
CONTACT-MAKING METERS See **AMMETERS: VOLTMETERS**
CONTACT MODULATORS See **CHOPPERS**

CONTACTORS

Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
American-Monarch Corp	2801 37 Ave N.E. Minneapolis 18	Minn
Automatic Switch Co	50-56 Hanover Rd, Florham Park	NJ
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
Contacts, Inc	1100 Silas Deane Hwy, Wethersfield	Conn
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
R.B.M. Div., Essex Wire Corp	Logansport	Ind
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
WARD LEONARD ELECTRIC CO., Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Zenith Electric Co	152 W. Walton St, Chicago 10	Ill

CONTACTS —*ELECTRICAL*

Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
Brainin Corp., C. S	320 Washington St, Mt. Vernon	NY
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Contacts, Inc	1100 Silas Deane Hwy, Wethersfield	Conn
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Deutsch Co., Electronic Components Div	Municipal Airport, Banning	Cal
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Foxboro Co., The	Foxboro	Mass
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Hoffman Engineering Corp	Anoka	Minn
KEYSTONE CARBON CO., RESISTOR DIV., Adv Pg 107	**St. Marys**	**Pa**
Kulite Tungsten Corp	1040 Hoyt Ave, Ridgefield	NJ
Larson Instrument Co	24 Orchard St, Tarrytown	NY
National Carbon Co., Div., UCC	270 Park Ave, New York 17	NY
NEY CO., J.M., Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Superior Carbon Products Co	9115 George Ave, Cleveland 5	Ohio
Technical Wire Products, Inc	48 Brown Ave, Springfield	NJ
Thomson Mfg. Co., Judson L.	22 Sawyer Rd, Waltham 54	Mass
Tricon Mfg. Co	8012 S. Wallace St, Chicago 20	Ill
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz

CONTAINERS See **BOXES: CABINETS: CANS: CASES: ENCLOSURES: HOUSINGS: PACKAGING MATERIALS**
CONTINUITY TESTERS See **TESTERS** —*CIRCUIT*
CONTOURING CONTROLS See **CONTROLS** —*CONTOURING*
CONTROL CONSOLES See **CONSOLES**
CONTROL DIODES See **DIODES** —*CRYSTAL*
CONTROLLERS See **CONTROLS**
CONTROLS —*ALARM SYSTEM* See **DETECTORS**
CONTROLS —*AUTOMATIC POSITIONING* See **CONTROLS** —*POSITIONING*

CONTROLS —*AUTOMATIC TUNING*

Croname, Inc	6247 Howard St, Chicago 48	Ill
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Hughes Industrial Systems, Div	Intl Airport Sta, Los Angeles 45	Cal
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
MAGNETIC AMPLIFIERS, INC., Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ

CONTROLS —*AUTOMATIC VOLTAGE-REGULATING* See **REGULATORS** —*VOLTAGE*
CONTROLS —*BATCHING* See **CONTROLS** —*COUNTING:* **CONTROLS** —*FLUID-FLOW:* **CONTROLS** —*LEVEL:* **CONTROLS** —*PHOTOELECTRIC:* **CONTROLS** —*WEIGHT*

CONTROLS —*CAPACITANCE OPERATED*

Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Decker Corp	43 Monument Rd, Bala Cynwyd	Pa
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Niagara Electron Laboratories	Main & Greenwood Sts, Andover	NY
Photobell Co., Inc	43 Vesey St, New York 7	NY
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ
Research Industrial Labs of Electronics	Roslyn	Pa
Tri-Tronics Co	2607 St. Charles Rd, Bellwood	Ill
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**

CONTROLS —*CHEMICAL PROCESS* See **CONTROLS PROVIDING REQUIRED FUNCTION**
CONTROLS —*COLOR* See **CONTROLS** —*PHOTOELECTRIC, COLOR*

CONTROLS —*CONDUCTIVITY*
1. FLUIDS 2. SOLID MATERIALS

BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 2, Adv Pg 75	**Princeton**	**NJ**
Deltron, Inc., 1-2	4th & Cambria, Philadelphia 33	Pa
Electrol Specialties Co., 1	441 Clark St, South Beloit	Ill
Electronic Control Corp., 1	1573 E. Forest St, Detroit 7	Mich
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Foxboro Co., The, 1	Foxboro	Mass
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
Hagan Chemicals & Controls, Inc., 1	Hagan Center, Pittsburgh 30	Pa
Howe Scale Co., 1-2	Rutland	Vt
Industrial Instruments, Inc., 1	89 Commerce Rd, Cedar Grove	NJ
Leeds & Northrup Co., 1	4970 Stenton Ave, Philadelphia 44	Pa
Lumenite Electric Co., 1	407 S. Dearborn St, Chicago 5	Ill
Machinery Electrification, Inc., 1-2	56 Hudson St, Northboro	Mass
Niagara Electron Laboratories, 1-2	Main & Greenwood Sts, Andover	NY
Norbatrol Electronics Corp., 1-2	356 Collins Ave, Pittsburgh 6	Pa
Potter Aeronautical Corp., 1	Rt 22, Union	NJ
Servomechanisms, Inc., 1	12500 Aviation Blvd, Hawthorne	Cal
Servotronics, Inc., 1	190 Gruner Rd, Buffalo 25	NY
Sparton Corp., 1	2400 E. Ganson St, Jackson	Mich
Taylor Instrument Cos., 1	95 Ames St, Rochester	NY
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 1	3609 Buffalo Spdwy, Houston 6	Tex
United Aircraft Products Inc., 1	1116 Bolander Ave, Dayton 1	Ohio
U.S. Controls, Inc., 1	410 Fourth Ave, Brooklyn	NY

CONTROLS —*CONTOURING & PHOTOELECTRIC TRACER*

CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Mason Instrument Co	P.O. Box 1681, New York 1	NY
Photobell Co., Inc	43 Vesey St, New York 7	NY
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

CONTROLS —*COUNTING (NOT PHOTOELECTRIC)* See *Also* **CONTROLS** —*PHOTOELECTRIC*

American Hydromath Corp	24-20 Jackson Ave, Long Island City 1	NY
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mich
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Eagle Signal Co., A Div of The Gamewell Co	202 20th St, Moline	Ill
Erie-Pacific Div of Erie Resistor Corp	12932 S. Weber Way, Hawthorne	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Hagen Mfg. Co	104 Walnut St, Baraboo	Wisc
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Kinematic Systems	41-11-49th St, Long Island City	NY
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
Machinery Electrification, Inc	56 Hudson St, Northboro	Mass
Pantek Co	Box 17121, Foy Sta., Los Angeles 17	Cal
Potter Aeronautical Corp	Rt 22, Union	NJ
Research, Inc	P.O. Box 6164. Edina Br, Minnpls 24	Minn
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind

Sciaky Bros., Inc	4915 W. 67th St, Chicago 38	Ill
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Trott Electronics, Inc	412 Smith St, Rochester 8	NY
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

CONTROLS *–DENSITY*
1. NUCLEAR ABSORPTION TYPE 2. PHOTOELECTRIC

Airmec Ltd., 2	High Wycombe, Buckinghamshire, England	
Ardwin Microlab Inc., 2	21 Spencer St, Stoneham 80	Mass
Automation Products, Inc., 1	3030 Max Roy St, Houston 24	Tex
Bausch & Lomb, 1-2	61461 Bausch St, Rochester 2	NY
Coils-Electronics Co., 2	2939-49 N. 2nd St, Philadelphia 33	Pa
CURTISS-WRIGHT CORP., PRINCETON DIV., 1, Adv Pg 75	**Princeton**	**NJ**
Electron-Radar Products, 2	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp., 2	1573 E. Forest St, Detroit 7	Mich
Electronics Corp of America, 2	1 Memorial Dr, Cambridge 42	Mass
Flight Research, Inc., 2	P.O. Box 1-F, Richmond 1	Va
GPE Controls, Inc., 2	240 E. Ontario St, Chicago 11	Ill
Gyra Electronics Corp., 1	P.O. Box 184, La Grange	Ill
Industrial Nucleonics Corp., 1	650 Ackerman Rd, Columbus 2	Ohio
INSTRUMENT DEVELOPMENT LABS., INC., 2, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Isotope Developments, Ltd., 1	Beenham Grange, Reading, Berks, England	
Lumenite Electric Co., 2	407 S. Dearborn St, Chicago 5	Ill
Mason Instrument Co., 2	P.O. Box 1681, New York 1	NY
Nuclear Chicago Corporation, 1	333 E. Howard St, Des Plaines	Ill
Nuclear Corp of America, 1	2 Richwood Pl, Denville	NJ
Ohmart Corp., 1	2236 Bogen St, Cincinnati	Ohio
Phoenix Precision Instrument Co., 2	3805 N. Fifth St, Philadelphia	Pa
Photobell Co., Inc., 2	43 Vesey St, New York 7	NY
Renupp Co., 2	3457 Greenfield Ave, Los Angeles 34	Cal
Spectra Electronics Co., 2	250 E. 3rd St, Mt. Vernon	NY
Tabet Mfg. Co., Inc., 2	1336 Ballantine Blvd, Norfolk	Va
Tracerlab, Inc., 1	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp., 1	801 N. Lake St, Burbank	Cal
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal
Worner Electronic Devices, 2	Rankin	Ill

CONTROLS *–DIMENSION*

Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
Photobell Co., Inc	43 Vesey St, New York 7	NY
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Robinette Co., W.C.	802 Fair Oaks Ave, South Pasadena	Cal
Summers & Mills, Inc	911 W. Commerce, Dallas 8	Tex
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

CONTROLS *–DOOR (Incl. GARAGE DOORS)*
1. CAPACITANCE-TYPE 2. PHOTOELECTRIC 3. RADIO CONTROL 4. ULTRASONIC

A.R.F. Products, Inc., 3	7627 Lake St, River Forest	Ill
Airmec Ltd., 2	High Wycombe, Buckinghamshire, England	
Airtronics International Corp., 1-3	P.O. Box 8576, Fort Lauderdale	Fla
Ardwin Microlab Inc., 2	21 Spencer St, Stoneham 80	Mass
Cadre Industries Corp., 2-3-4	P. O. Box 150, Endicott	NY
Calbest Electronics Co., 3	4801 Exposition Blvd, Los Angeles 16	Cal
Clark Controller Co., 2	1146 E. 152 St, Cleveland 10	Ohio
Coils-Electronics Co., 2	2939-49 N. 2nd St, Philadelphia 33	Pa
Comptron Corp., 2	778 Pleasant St, Belmont 79	Mass
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 4, Adv Pg 75	**Princeton**	**NJ**
Delco Radio Div, GMC., 3	700 E. Firmin St, Kokomo	Ind
Electrical Service Co., 2	1271 Mission St, San Francisco	Cal
ELECTRO SEAL CORP., 3, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electron-Radar Products, 2	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp., 2-4	1573 E. Forest St, Detroit 7	Mich
Electronics Corp of America, 2	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus, 2	Bad Ragaz, Switzerland	
Forway Industries, Inc., 3	122 Green Ave, Woodbury	NJ
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Guardian Electric Mfg. Co., 1	1621 W. Walnut St, Chicago 12	Ill
ITI Electronics Inc., 3	369 Lexington Ave, Clifton	NJ
Kinematic Systems, 2	41-11-49th St, Long Island City	NY
Knight Electronics, 2	210 S. Des Plaines St, Chicago 6	Ill
Lear, Inc., 3	3171 S. Bundy Dr, Santa Monica	Cal
Lumenite Electric Co., 1-2	407 S. Dearborn St, Chicago 5	Ill
Machinery Electrification, Inc., 1-2	56 Hudson St, Northboro	Mass
Mason Instrument Co., 2	P.O. Box 1681, New York 1	NY
Minn-Honeywell, Aeronautical Div., 1	2600 Ridgway Rd, Minneapolis 13	Minn
Multi-Products Co., 3	21470 Coolidge Hwy, Oak Park	Mich
National Electronics, 2	P.O. Box 1237, Sheridan	Wyo
Nelson Instrument Co., 4	607 Howard St, Evanston	Ill
Otis Elevator Co., 1-2-3-4	35 Ryerson St, Brooklyn 5	NY
Packard-Bell Electronics Corp., Technical Products Div., 3	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Perma-Power Co., 3	3100 N. Elston Ave, Chicago 18	Ill
Photobell Co., Inc., 1-2	43 Vesey St, New York 7	NY
Photomation, Inc., 2	96 S. Washington Ave, Bergenfield	NJ
Post Electronic Products, 2	140 Elliott St, Beverly	Mass
Secode Corp., 3	555 Minnesota St, San Francisco 7	Cal
Security Controls, Inc., 1	503 Franklin St, Buffalo	NY
Sierra Electric Corp., 3	15100 S. Figueroa St, Gardena	Cal
SOLID STATE ELECTRONICS CO., 3, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Standard Electronics Div., Reeves Instrument Corp., 3	Lakewood Rd, Farmingdale	NJ
Strempel Instrument Corp., 3	R D 1, Lake George	NY
Tabet Mfg. Co., Inc., 2	1336 Ballantine Blvd, Norfolk	Va
Tamar Electronics, Inc., 3	2045 W. Rosecrans Ave, Gardena	Cal
Trott Electronics, Inc., 4	412 Smith St, Rochester 8	NY
VARO MFG. CO., INC., 1-3, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wells-Gardner & Co., 3	2701 N. Kildare Ave, Chicago 39	Ill
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal

CONTROLS *–ELEVATOR LEVELING*

ITI Electronics Inc	369 Lexington Ave, Clifton	NJ
Kinematic Systems	41-11-49th St, Long Island City	NY
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Photobell Co., Inc	43 Vesey St, New York 7	NY
Robinette Co., W.C.	802 Fair Oaks Ave, South Pasadena	Cal

CONTROLS *–FILM-THICKNESS* See **CONTROLS** *–THICKNESS*

CONTROLS *–FLAME FAILURE*

Brach Mfg. Corp	200 Central Ave, Newark	NJ
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
General Controls Co	801 Allen Ave, Glendale 1	Cal
Kinematic Systems	41-11-49th St, Long Island City	NY
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Photomation, Inc	96 S. Washington Ave, Bergenfield	NJ
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY

CONTROLS *–FLUID-CONDUCTIVITY* See **CONTROLS** *–CONDUCTIVITY*

CONTROLS *–FLUID FLOW*

Airborne Accessories Corp	1414 Chestnut Ave, Hillside	NJ
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Brach Mfg. Corp	200 Central Ave, Newark	NJ
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Detroit Controls, Div of American-Standard, 2	5900 Trumbull, Detroit 8	Mich
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Foxboro Co., The	Foxboro	Mass
Fulton Sylphon Div., Robertshaw-Fulton	P.O. Box 400, Knoxville 1	Tenn
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
Hagan Chemicals & Controls, Inc	Hagan Center, Pittsburgh 30	Pa
Howe Scale Co	Rutland	Vt
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
Photobell Co., Inc	43 Vesey St, New York 7	NY
Pioneer-Central Div., Bendix Aviation Corp	Davenport	Iowa
Potter Aeronautical Corp	Rt 22, Union	NJ
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Security Controls, Inc	503 Franklin St, Buffalo	NY
Servomechanisms, Inc	12500 Aviation Blvd, Hawthorne	Cal
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Waugh Engineering Co	7842 Burnet Ave, Van Nuys	Cal
Winterburn Mfg. Co	P.O. Box 386, Putnam	Conn

CONTROLS *–FOOD-PROCESSING* See **CONTROLS PROVIDING REQUIRED FUNCTION**
CONTROLS *–FREQUENCY* See **REGULATORS** *–FREQUENCY*
CONTROLS *–GAIN* See **ATTENUATORS: POTENTIOMETERS**
CONTROL-SHAFT SEALS See **SEALS** *–MECHANICAL*
CONTROLS *–HEAT-TREATING* See **CONTROLS** *–TEMPERATURE*

CONTROLS *–HUMIDTY*

Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
Foxboro Co., The	Foxboro	Mass
General Controls Co	801 Allen Ave, Glendale 1	Cal
Howe Scale Co	Rutland	Vt
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pimex, Inc	18 E. 60th St, New York 22	NY
Serdex, Inc	12 Bowdoin Square, Boston	Mass
United Electric Controls Co	85 School St, Watertown 72	Mass
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

CONTROLS *–ILLUMINATION* See **CONTROLS** *–PHOTOELECTRIC*
CONTROLS *–INSPECTION* See **CONTROLS PROVIDING REQUIRED FUNCTION**

CONTROLS *–LEVEL*
1. DRY MATERIALS 2. LIQUIDS

Airmec Ltd., 1-2	High Wycombe, Buckinghamshire, England	

Allen-Bradley Co., 2	136 W. Greenfield Ave, Milwaukee 4	Wisc
American Research & Mfg. Corp., 2	920 Halpine Ave, Rockville	Md
Automatic Timing & Controls, Inc., 1-2	King of Prussia	Pa
Automation Products, Inc., 1-2	3030 Max Roy St, Houston 24	Tex
Avien Corp., 2	58-15 Northern Blvd, Woodside 77	NY
Bailey Meter Co., 2	1050 Ivanhoe Rd, Cleveland 10	Ohio
Berkeley/Dynamics, 1-2	P.O. Box 1098, Burlingame	Cal
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
Breeze Corps., Inc., 2	700 Liberty Ave, Union	NJ
Bristol Co., 2	P.O. Box 1790EBG, Waterbury 20	Conn
CompuDyne Corp., 1-2	400 S. Warminster Rd, Hatboro	Pa
Consolidated Productions, Inc., 1-2	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Controls Co of America, 2	9555 Soreng, Schiller Park	Ill
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Cutler-Hammer, Inc., 2	411 N. 12 St, Milwaukee 1	Wisc
Decker Corp., 2	43 Monument Rd, Bala Cynwyd	Pa
Deltron, Inc., 1-2	4th & Cambria, Philadelphia 33	Pa
Detroit Controls, Div of American-Standard, 2	5900 Trumbull, Detroit 8	Mich
Dietz Co., Inc., Henry G., 1-2	12-16 Astoria Blvd, Long Island City 2	NY
Electron-Radar Products, 1-2	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp., 2	1573 E. Forest St, Detroit 7	Mich
Electronics Corp of America, 1-2	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus, 1-2	Bad Ragaz, Switzerland	
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Fischer & Porter Co., 2	476 Warminster Rd, Warminster	Pa
Foxboro Co., The, 1-2	Foxboro	Mass
Fulton Sylphon Div., Robertshaw-Fulton, 2	P.O. Box 400, Knoxville 1	Tenn
GPE Controls, Inc., 2	240 E. Ontario St, Chicago 11	Ill
General Controls Co., 2	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Ultrasonics Co., 2	67 Mulberry St, Hartford 3	Conn
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
Hagan Chemicals & Controls, Inc., 2	Hagan Center, Pittsburgh 30	Pa
Industrial Instruments, Inc., 1	89 Commerce Rd, Cedar Grove	NJ
Industrial Nucleonics Corp., 1-2	650 Ackerman Rd, Columbus 2	Ohio
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
Isotope Developments, Ltd., 1-2	Beenham Grange, Reading, Berks, England	
Leeds & Northrup Co., 2	4970 Stenton Ave, Philadelphia 44	Pa
Liquidometer Corp., 2	41-03 36th St, Long Island City 1	NY
Lumenite Electric Co., 2	407 S. Dearborn St, Chicago 5	Ill
Minn-Honeywell, Aeronautical Div., 2	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Missile Equipment Div., 2	Queen & S. Bailey, Pottstown	Pa
Multi-Products Co., 2	21470 Coolidge Hwy, Oak Park	Mich
National Electronics, 2	P.O. Box 1237, Sheridan	Wyo
Niagara Electron Laboratories, 1-2	Main & Greenwood Sts, Andover	NY
Norbatrol Electronics Corp., 1-2	356 Collins Ave, Pittsburgh 6	Pa
Nuclear Corp of America, 2	2 Richwood Pl, Denville	NJ
Ohmart Corp., 1-2	2236 Bogen St, Cincinnati	Ohio
Photobell Co., Inc., 1-2	43 Vesey St, New York 7	NY
Piezo Products Co., 2	Whitney St, Sherborn	Mass
Pioneer-Central Div., Bendix Aviation Corp., 2	Davenport	Iowa
Precision Thermometer & Instrument Co., 2	1432 Brandywine St, Philadelphia	Pa
Presin Co., 1-2	2014 Broadway, Santa Monica	Cal
Research, Inc., 2	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Security Controls, Inc., 1-2	503 Franklin St, Buffalo	NY
Servomechanisms, Inc., 2	12500 Aviation Blvd, Hawthorne	Cal
Simmonds Aerocessories, Inc., 2	105 White Plains Rd, Tarrytown	NY
Sparton Corp., 2	2400 E. Ganson St, Jackson	Mich
Strempel Instrument Corp., 2	R D 1, Lake George	NY
Taylor Instrument Cos., 2	95 Ames St, Rochester	NY
Texas Instrument Incorporated, Geosciences & Instrumentation Div., 2	3609 Buffalo Spdwy, Houston 6	Tex
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Trans-Sonics, Inc., 2	Dept. 5, Burlington	Mass
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
United Electric Controls Co., 2	85 School St, Watertown 72	Mass
U.S. Controls, Inc., 1-2	410 Fourth Ave, Brooklyn	NY
Warrick Co., Charles F., 2	1964 Mill Mile Rd, Berkley	Mich
Wayne Kerr Corp., 1-2	1633 Race St, Philadelphia 3	Pa
Webster Electric Co., 2	1900 Clark St, Racine	Wisc
Wells Industries Corp., 1-2	6880 Troost Ave, North Hollywood	Cal

CONTROLS *—LOOP-REGULATING See* **CONTROLS** *—PHOTOELECTRIC*
CONTROLS *—MACHINE SAFETY See* **CONTROLS** *—CAPACITANCE-OPERATED:* **CONTROLS** *—PHOTOELECTRIC*

CONTROLS *—MACHINE-TOOL (MAGNETIC TAPE, PUNCHED CARD OR PUNCHED TAPE)*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
Astrosystems Inc	220 E. 23rd St, New York 10	NY
Autonetics, Div., North American Aviation, Inc	9150 E. Imperial Hwy, Downey	Cal
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
Centre Circuits, Inc	1101 N. Atherton, State College	Pa
Comptron Corp	778 Pleasant St, Belmont 79	Mass
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Data Systems Dept, Norden Div United Aircraft Corp	13210 Crenshaw Blvd, Gardena	Cal
Digitool Corp	P.O. Box 22242, Houston 27	Tex
Farrand Optical Co., Inc	Bronx Blvd at 238th St, New York 70	NY
FERRANTI ELECTRIC, INC., Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
Industrial Timer Corp	1407 McCarter Hwy, Newark 4	NJ
Intimex Corp	Bonifant & Fenton Sts, Silver Spring	Md
Jordan Controls, Inc	3225 W. Hampton, Milwaukee 9	Wisc
Kurz & Root Co	Appleton	Wisc
Lundy Mfg. Corp	Robert Ln, Glen Head	NY
Machinery Electrification, Inc	56 Hudson St, Northboro	Mass
Magnasync Corp	5546 Satsuma Ave, North Hollywood	Cal
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nelson Instrument Co	607 Howard St, Evanston	Ill
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Security Controls, Inc	503 Franklin St, Buffalo	NY
Specialties, Inc	Skunks Misery Rd, Syosset	NY
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Summers & Mills, Inc	911 W. Commerce, Dallas 8	Tex
Teletype Corp	5555 W. Touhy Ave, Skokie	Ill
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Trott Electronics, Inc	412 Smith St, Rochester 8	NY
Vitro Corp of America	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

CONTROLS *—MATERIALS THICKNESS See* **CONTROLS** *—THICKNESS*

CONTROLS *—MECHANICAL OVERLOAD*

Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mich
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
Kurz & Root Co	Appleton	Wisc
Machinery Electrification, Inc	56 Hudson St, Northboro	Mass
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
National Electronics	P.O. Box 1237, Sheridan	Wyo
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Winterburn Mfg. Co	P.O. Box 386, Putnam	Conn

CONTROLS *—MECHANICAL SWITCH See* **SWITCHES** *—AUTOMATICALLY OPERATED, LIMIT*

CONTROLS *—MOISTURE See Also* **CONTROLS** *—HUMIDITY*

Controls Co of America	9555 Soreng, Schiller Park	Ill
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Foxboro Co., The	Foxboro	Mass
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Parks Lab., Henry F.	Box 1665, Lake City Sta, Seattle	Wash
Strändberg Engineering Labs., Inc	416 W. Market S., Greensboro	NC
Taylor Instrument Cos	95 Ames St, Rochester	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
United Electric Controls Co	85 School St, Watertown 72	Mass
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

CONTROLS *—MOTOR SPEED*
1. ELECTRIC 2. ELECTRONIC. A-C MOTOR 3. ELECTRONIC. D-C MOTOR See Also **DRIVES** *—VARIABLE-SPEED*

AC SPARK PLUG DIV., GENERAL MOTORS, 1, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
ACF Electronics Div., 3	Riverdale	Md
AEG, 1-2-3	Hochhaus Sued, Frankfurt/Main, Germany	
ACME ELECTRIC CORP., 3, Adv Pg 511	**Water St, Cuba**	**NY**
Airesearch Mfg. Co of Ariz., 2-3	402 S. 36 St, Phoenix	Ariz
Airmec Ltd., 3	High Wycombe, Buckinghamshire, England	
Allen-Bradley Co., 1	136 W. Greenfield Ave, Milwaukee 4	Wisc
American Rectifier Corp., 1	95 Lafayette St, New York 13	NY
Arrow-Hart & Hegeman Electric Co., 1-2-3	103 Hawthorn St, Hartford 6	Conn
Assembly Products, Inc., 1	75 Wilson Mills Rd, Chesterland 6	Ohio
Bergen Labs., Inc., 2-3	60 Spruce St, Paterson	NJ
Boehm Co., R.A., 1-2-3	58 Brooklyn Ave, Merrick	NY
Brach Mfg. Corp., 1-2-3	200 Central Ave, Newark	NJ
Cadre Industries Corp., 2-3	P.O. Box 150, Endicott	NY
Carson Mfg. Co., Inc., 1	2424 E. 55th St, Indianapolis 20	Ind
Clark Controller Co., 1	1146 E. 152 St, Cleveland 10	Ohio
CompuDyne Corp., 2-3	400 S. Warminster Rd, Hatboro	Pa
Control Equipment Corp., 2	19 Kearney Rd, Needham Heights 94	Mass
Control Technology Co., 1-2-3	1186 Broadway, New York 1	NY
Cutler-Hammer, Inc., 1-2-3	411 N. 12 St, Milwaukee 1	Wisc
Data Products Co., Inc., 2	7320 Westmore Rd, Rockville	Md
Devco Engineering, Inc., 1	Pier Ln W., Caldwell	NJ
Djeco, Div., Djordjevic Engrg Co., 3	1933 N. Damen, Chicago 47	Ill
Electric Eye Equipment Co., 2-3	1938 E. Fairchild St, Danville	Ill
Electric Machinery Mfg. Co., 1	800 Central Ave, Minneapolis 13	Minn
ELECTRIC REGULATOR CORP., 1-2-3, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro-Devices, Inc., Servospeed Div., 3	4-6 Godwin Ave, Paterson	NJ
ELECTRO SEAL CORP., 2-3, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electrol Specialties Co., 1	441 Clark St, South Beloit	Ill
ELECTRONIC SPECIALTY CO., 2-3, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Engineered Magnetics Div., Gulton, 2-3	13041 Cerise Ave, Hawthorne	Cal
Evershed & Vignoles Ltd., 1-2-3	Chiswick, London W. 4, England	
Fairfield Engineering Corp., 1-2-3	114 Manhattan St, Stamford	Conn
Fidelity Instrument Corp., 1-2-3	1000 E. Boundary Ave, York	Pa
Foxboro Co., The, 1	Foxboro	Mass
General Controls Co., 2-3	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-3, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Ordnance Dept., 1	100 Plastics Ave, Pittsfield	Mass
GENERAL RADIO CO., 3, Adv Pg 285	**West Concord**	**Mass**
Genisco, Inc., 2	2233 Federal Ave, Los Angeles 64	Cal
Gerst & Co., Paul E., 2-3	4868 N. Clark, Chicago 40	Ill
Green Rectifier Co., 1	1-10 30th St, Fair Lawn	NJ
Hanson-Gorrill-Brian, Inc., 3	85 Hazel St, Glen Cove	NY
Haydon Co., A.W., The, 1-2-3	238 N. Elm St, Waterbury	Conn
Heller Co., Gerald K., 3	2673 Western St S., Las Vegas	Nev
Industrial Control Co., 2-3	Central at Pinelawn, Farmingdale	NY
Interlab, Inc., 2-3	437-5th Ave, New York 16	NY
Kahn & Co., Inc., 1	885 Wells Rd, Wethersfield	Conn
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KIDDE & CO., INC., WALTER, 3, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Kinematic Systems, 3	41-11-49th St, Long Island City	NY
Kinetic Instrument Corp., 2-3	1070 Linwood St, Brooklyn 8	NY
Kingston Electronics, Div., King. Ind., Inc., 3	Medfield	Mass

Kurz & Root Co., 1-2-3	Appleton	Wisc
Lawn Electronics Corp., 2	Woodward Rd, Englishtown	NJ
Leach Corp., 1	18435 Susana Rd, Compton	Cal
Leland Airborne Products, Div., AMF, 2-3	P.O. Box 128, Vandalia	Ohio
Machinery Electrification, Inc., 3	56 Hudson St, Northboro	Mass
MAGNETIC AMPLIFIERS, INC., 1-2-3, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Natel Engineering Co., Inc., 3	15922 Strathern St, Van Nuys	Cal
National Electronics, 1	P.O. Box 1237, Sheridan	Wyo
Nelson Electric Mfg. Co., 1	P.O. Box 5385, Tulsa 16	Okla
Norbatrol Electronics Corp., 1-2-3	356 Collins Ave, Pittsburgh 6	Pa
Ohmite Mfg. Co., 1	3601 Howard St, Skokie	Ill
OPAD ELECTRIC CO., 1-3, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Oster Mfg. Co., John, Avionics Div., 2-3	1 N. Main St, Racine	Wisc
Otis Elevator Co., 2-3	35 Ryerson St, Brooklyn 5	NY
Pintsch Bamag AG, 1-2-3	Postfach 11, Butzbach, Germany	
Ramyr Mfg. Co., 3	1779 N. Main St, Los Angeles 31	Cal
Regulators, Inc., 1-2-3	455 W. Main St, Wyckoff	NJ
Robinette Co., W.C., 1-2	802 Fair Oaks Ave, South Pasadena	Cal
Rockwell Engineering Co., 3	2125 E. 45th St, Indianapolis 5	Ind
Sciaky Bros., Inc., 2-3	4915 W. 67th St, Chicago 38	Ill
Scientific-Atlanta, Inc., 1-3	2162 Piedmont Rd N.E., Atlanta 9	Ga
Secode Corp., 1-2-3	555 Minnesota St, San Francisco 7	Cal
Servomechanisms, Inc., 3	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 3	Crowborough, Sussex, England	
Servo-Tek Products Co., Inc., 1-2-3	1086 Goffle Rd, Hawthorne	NJ
Square D Co., 1-2-3	4041 N. Richards, Milwaukee 12	Wisc
Stratocon Corp., 3	P.O. Box 10, Morristown	NJ
Superior Electric Co., 1	83 Laurel St, Bristol	Conn
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2-3	23555 Euclid Ave, Cleveland 17	Ohio
Taylor Instrument Cos., 2-3	95 Ames St, Rochester	NY
Trepac Corp of America, 2-3	30 W. Hamilton Ave, Englewood	NJ
U.S. Controls, Inc., 1	410 Fourth Ave, Brooklyn	NY
U.S. Electrical Motors, Inc., 1-2	202 E. Slauson Ave, Los Angeles 54	Cal
VARO MFG. CO., INC., 1-2-3, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., 3, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Wac Line, Inc., 1-2-3	35 S. St. Clair St, Dayton 2	Ohio
Wadsworth Electric Mfg. Co., Inc., 1	20 W. 11th St, Covington	Ky
Waltham Precision Instrument Co., 2	221 Crescent St, Waltham	Mass
WARD LEONARD ELECTRIC CO., 1, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Weltronic Co., 2-3	19500 W. Eight Mile Rd, Southfield	Mich
West Coast Research Corp., 2-3	2102 S. Sepulveda Blvd, Los Angeles	Cal
Winterburn Mfg. Co., 1	P.O. Box 386, Putnam	Conn

CONTROLS —*NOISE-ACTUATED* See CONTROLS —*SOUND-ACTUATED*

CONTROLS —*OXYGEN*

Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Linde Co., Div., UCC	270 Park Ave, New York 17	NY
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Servomex Controls Ltd	Crowborough, Sussex, England	
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Taylor Instrument Cos	95 Ames St, Rochester	NY
United Electric Controls Co	85 School St, Watertown 72	Mass

CONTROLS —*PACKAGE-WRAPPING* See CONTROLS —*PHOTOELECTRIC*

CONTROLS —*pH*

Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Foxboro Co., The	Foxboro	Mass
La Motte Chemical Products Co	Chestertown	Md
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Sel-Rex Corp	75 River Rd, Nutley 10	NJ
Taylor Instrument Cos	95 Ames St, Rochester	NY
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY

CONTROLS —*PHOTOELECTRIC*

1. COLOR 2. COUNTING-DENSITY: See CONTROLS *DENSITY-DOOR-OPENING:* See CONTROLS —*DOOR 3. GENERAL-PURPOSE 4. ILLUMINATION 5. LOOP-REGULATING 6. PHOTOGRAPHIC EXPOSURE 7. REGISTER (PRINTING, CUTOFF OR PERFORATED) 8. SKEW 9. SMOKE & COMBUSTION 10. SORTING 11. TENTERING-TRACER:* See CONTROLS —*CONTOURING 12. TURBIDITY*

Acme Wire Co., 4	New Haven 14	Conn
Airmec Ltd., 2-3-4-9	High Wycombe, Buckinghamshire, England	
ALLEGANY INSTRUMENT CO., INC., 1, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Ardwin Microlab Inc., 2-7	21 Spencer St, Stoneham 80	Mass
Atronic Products, Inc., 1-2-10	1 Bala Ave, Bala-Cynwyd	Pa
Autotron, Inc., 1-2-3-4-5-7-9-10-12	3629 N. Vermilion St, Danville	Ill
Bausch & Lomb, 1	61461 Bausch St, Rochester 2	NY
BECKMAN/BERKELEY DIV., 2-10, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Berkeley/Dynamics, 2-3	P.O. Box 1098, Burlingame	Cal
Brach Mfg. Corp., 4-5	200 Central Ave, Newark	NJ
BURKE & JAMES, INC., 6, Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Clark Controller Co., 2-3-9-10	1146 E. 152 St, Cleveland 10	Ohio
Coils-Electronics Co., 3-5-7	2939-49 N. 2nd St, Philadelphia 33	Pa
Cramer Controls Corp., 2-3-10	P.O. Box 13, Centerbrook	Conn
Cutler-Hammer, Inc., 2-3-4	411 N. 12 St, Milwaukee 1	Wisc
Deitz Co., S.J., 2-3-7	9 E. Wesley, South Hackensack	NJ
Digitool Corp., 2-3	P.O. Box 22242, Houston 27	Tex
Dmeter Mfg. Co., Inc., 3-4	68 N. Broadway, Yonkers	NY
Durant Mfg. Co., 2	1912-A N. Buffum St, Milwaukee 1	Wisc
Dynamics Instrumentation Co., 5	1118 Mission, S. Pasadena	Cal
Electric Eye Equipment Co., 1-3-7-12	1938 E. Fairchild St, Danville	Ill
ELECTRIC REGULATOR CORP., 7-10 Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electrical Service Co., 1-2-3-4-7-10	1271 Mission St, San Francisco	Cal
Electron-Radar Products, 1-2-3-4-9	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp., 2-3-4-9	1573 E. Forest St, Detroit 7	Mich
Electronic Counters, Inc., 2	155 Eileen Way, Syosset	NY
Electronic Machine Parts, Inc., 7	128-11 18th Ave, College Point 56	NY
Electronics Corp of America, 2-3-4-7-9-10	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus, 2-3-4	Bad Ragaz, Switzerland	
Energy Kontrols, Inc., 4	15 S. First St, Geneva	Ill
Farmer Electric Products Co., Inc., 2-3-5	2300 Washington, Newton Lower Falls	Mass
Fedtro, Inc., 4	Fed Electr Bldg, Rockville Centre	NY
The Fisher-Pierce Co., 4	170 Pearl St, South Braintree 85	Mass
Flight Research, Inc., 6	P.O. Box 1-F, Richmond 1	Va
GPE Controls, Inc., 7-11	240 E. Ontario St, Chicago 11	Ill
GATES RADIO CO., 4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Controls Co., 2	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2-3-5-7-9-10, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gordon Enterprises, 6	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Houston Fearless Corp., 1-3-4-6-7	11801 W. Olympic Blvd, Los Angeles 64	Cal
HUGHEY & PHILLIPS, INC., 3-4, Adv Pg 525	**3200 N. San Fernando Blvd, Burbank**	**Cal**
Humble Mfg. Co., Ltd., 9	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
I-L-S Instrument Div., Meriam Instrument Co., 3	4525 W. 160th St, Cleveland 35	Ohio
Iconix, Inc., 2	945 Industrial, Palo Alto	Cal
Illumitronic Engineering, 10	680 E. Taylor, Sunnyvale	Cal
Industrial Components, Inc., 2	P. O. Box 308, Beaverton	Ore
Industrial Timer Corp., 6	1407 McCarter Hwy, Newark 4	NJ
INSTRUMENT DEVELOPMENT LABS., INC., 1, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Intercontinental Dynamics Corp., 2-3-5-7-11	170 Coolidge Ave, Englewood	NJ
Intimex Corp., 2	Bonifant & Fenton Sts, Silver Spring	Md
KIDDE & CO., INC., WALTER, 9, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Kinematic Systems, 2-3-4-5-9-10	41-11-49th St, Long Island City	NY
Knight Electronics, 3	210 S. Des Plaines St, Chicago 6	Ill
Lightguard Electronic Mfg. Co., Inc., 2-3-4	1213 St. Emanuel, Houston 3	Tex
Lumenite Electric Co., 2-3-4-9	407 S. Dearborn St, Chicago 5	Ill
Machinery Electrification, Inc., 2-3	56 Hudson St, Northboro	Mass
MAGNETIC AMPLIFIERS, INC., 3, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Marstan Electronics Corp., 2-3	204 Babylon Trnpk, Roosevelt	NY
Melpar, Inc., 1-2-5	3000 Arlington Blvd, Falls Church	Va
Meredith & Co., Ltd., C.C., 4	80 Thomas St, Streetsville, Ontario, Canada	
Micro Balancing, Inc., 4	191 Herricks Rd, Garden City Park	NY
Minn-Honeywell, Industrial Div., 9-12	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co., 4-9	2753 4th Ave S., Minneapolis 8	Minn
Miratel Inc., 3	1080 Dionne St, St. Paul	Minn
National Electronics, 3-4	P.O. Box 1237, Sheridan	Wyo
Niagara Electron Laboratories, 3	Main & Greenwood Sts, Andover	NY
Optomechanisms, Inc., 2	216 E. Second St, Mineola	NY
Oxford Engineering Co., 2-7	47A River St, Wellesley Hills 81	Mass
Pantek Co., 10	Box 17121, Foy Sta., Los Angeles 17	Cal
Performance Measurements Co., 10	15120 Third Ave, Detroit 3	Mich
Phoenix Precision Instrument Co., 3-9-12	3805 N. Fifth St, Philadelphia	Pa
Photobell Co., Inc., 1-2-3-4-5-7-8-9-10-11-12	43 Vesey St, New York 7	NY
Photomation, Inc., 2-3-5-7-9-10-12	96 S. Washington Ave, Bergenfield	NJ
Post Electronic Products, 2-7	140 Elliott St, Beverly	Mass
Potter Aeronautical Corp., 2-3-7-10	Rt 22, Union	NJ
Presin Co., 2-3-7-9	2014 Broadway, Santa Monica	Cal
Ransom Research, Inc., 2	374 W. 8th St, Box 269, San Pedro	Cal
Renupp Co., 1	3457 Greenfield Ave, Los Angeles 34	Cal
RIPLEY CO., INC., 4, Adv Pg 200	**1 Factory St, Middletown**	**Conn**
ROTARY DEVICES CORP., 2-7, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Specialties, Inc., 1-6	Skunks Misery Rd, Syosset	NY
Spectra Electronics Co., 1-2-4	250 E. 3rd St, Mt. Vernon	NY
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C. 2	England
Strand Engineering Co., 2-3-10	1354 N. Main St, Ann Arbor	Mich
Summers & Mills, Inc., 1-3	911 W. Commerce, Dallas 8	Tex
Superior Electric Co., 4	83 Laurel St, Bristol	Conn
TRANSISTOR SPECIALTIES, INC., 2, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Tri-Tronics Co., 2-3-7-8	2607 St. Charles Rd, Bellwood	Ill
Trott Electronics, Inc., 2-3-6-10	412 Smith St, Rochester 8	NY
U.S. Controls, Inc., 2-10	410 Fourth Ave, Brooklyn	NY
U. S. Nuclear Corp., 9	801 N. Lake St, Burbank	Cal
Van Norman Industries, Elect Div., 6	186 Granite St, Manchester	NH
VECTROL ENGINEERING INC., 5, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Welch Scientific Co., W.M., 1-6	1515 Sedgwick St, Chicago 10	Ill
Wells Industries Corp., 1-2-3-4-7-8-9-10-12	6880 Troost Ave, North Hollywood	Cal
Westrex Corp., Div., Litton Industries, 6-7	540 W. 58 St, New York 19	NY
Worner Electronic Devices, 2-3-4-5-7-9-10-12	Rankin	Ill
Zoomar, Inc., 6	55 Sea Cliff Ave, Glen Cove	NY

CONTROLS —*POSITIONING*

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Astrosystems Inc	220 E. 23rd St, New York 10	NY
Automatic Timing & Controls, Inc	King of Prussia	Pa
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Deitz Co., S.J.	9 E. Wesley, South Hackensack	NJ
Digitran Co	660 S. Arroyo Pkwy, Pasadena	Cal
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electrical Service Co	1271 Mission St, San Francisco	Cal
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Farrand Optical Co., Inc	Bronx Blvd at 238th St, New York 70	NY
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
FERRANTI ELECTRIC, INC., Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The	Foxboro	Mass
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Giannini Control Corp	1600 S. Mountain Ave, Duarte	Cal
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
Hoover Electric Co	2100 S. Stoner Ave, Los Angeles 25	Cal
Industrial Components, Inc	P. O. Box 308, Beaverton	Ore

Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Jordan Controls, Inc	3225 W. Hampton, Milwaukee 9	Wisc
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Millitest Co	88 Madison Ave, Hempstead	NY
Minatron Corp	14 Cliveden Pl, Belle Mead	NJ
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Muirhead & Co., Ltd	Beckenham, Kent, England	
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Photobell Co., Inc	43 Vesey St, New York 7	NY
Photomation, Inc	96 S. Washington Ave, Bergenfield	NJ
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Servo-Tek Products Co., Inc	1086 Goffle Rd, Hawthorne	NJ
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Tri-Tronics Co	2607 St. Charles Rd, Bellwood	Ill
U.S. Controls, Inc., 2-10	410 Fourth Ave, Brooklyn	NY
Universal Match Corp., Armament Div	St. Louis 35	Mo
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass
Warner Electric Brake & Clutch Co	Beloit	Wisc
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Weltronic Co	19500 W. Eight Mile Rd, Southfield	Mich
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Worner Electronic Devices	Rankin	Ill

CONTROLS —*POWER LEVEL See* **RESISTORS** —*WIRE-WOUND VARIABLE:* **SWITCHES** —*MULTI-CONTACT*

CONTROLS —*PRESSURE*

AC SPARK PLUG DIV., GENERAL MOTORS, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
Applied Dynamics Corp	330 Bear Hill Rd, Waltham	Mass
Automatic Timing & Controls, Inc	King of Prussia	Pa
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
COMPUTER INSTRUMENTS CORP., Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Denison Engrg. Div., American Brake Shoe Co	1160 Dublin Rd, Columbus 16	Ohio
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
DeVilbiss Co	300 Phillips Ave, Toledo 1	Ohio
Dietz Co., Inc., Henry G.	12-16 Astoria Blvd, Long Island City 2	NY
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Ellison Draft Gage Co., Inc	546 W. Monroe St, Chicago	Ill
ERIE RESISTOR CORP., Adv. Pgs. 242-243	**644 W. 12th St, Erie 6**	**Pa**
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Fulton Sylphon Div., Robertshaw-Fulton	P.O. Box 400, Knoxville 1	Tenn
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc	80-08 45th Ave, Elmhurst 73	NY
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
National Electronics	P.O. Box 1237, Sheridan	Wyo
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Performance Measurement Co	15120 Third Ave, Detroit 3	Mich
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
United Electric Controls Co	85 School St, Watertown 72	Mass
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Wiancko Engineering Co	255 N. Halstead, Pasadena	Cal

CONTROLS —*PROPORTIONING*

Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
Automatic Timing & Controls, Inc	King of Prussia	Pa
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
CONTROL, DIV OF MAGNETICS, INC., Adv Pg 322	**Butler**	**Pa**
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Jordan Controls, Inc	3225 W. Hampton, Milwaukee 9	Wisc
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Photobell Co., Inc	43 Vesey St, New York 7	NY
Potter Aeronautical Corp	Rt 22, Union	NJ
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Toledo Scales Div., Toledo Scale Corp	1029 Telegraph Rd, Toledo 12	Ohio
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill

CONTROLS —*RADAR See* **RADAR**
CONTROLS —*REGISTER See* **CONTROLS** —*PHOTOELECTRIC*

CONTROLS —*REMOTE*
1. RADIO 2. WIRELINE

A.R.F. Products, Inc., 1	7627 Lake St, River Forest	Ill
Aircraft Radio Corp., 1	Boonton	NJ
Airtronics International Corp., 1	P.O. Box 8576, Fort Lauderdale	Fla
APPLIED ELECTRONICS CORP OF N.J., 1, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ascop Div., Electro-Mechanical Research, Inc., 1-2	P.O. Box 44, Princeton	NJ
Avco Corp., Crosley Div., 1	1329 Arlington St, Cincinnati 25	Ohio
Babcock Radio Engineering, Inc., 1	1640 Monrovia Ave, Costa Mesa	Cal
Bell Aircraft Corp., 1	P.O. Box 1, Buffalo 5	NY
Bendix Aviation Corp., Bendix Radio Div., 1	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
Berkeley/Dynamics, 1-2	P.O. Box 1098, Burlingame	Cal
Cable Electric Products, 1	234 Daboll St, Providence	RI
Calbest Electronics Co., 1	4801 Exposition Blvd, Los Angeles 16	Cal
Consolidated Productions, Inc., 1	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Continental Electronics Mfg. Co., 1-2	4212 S. Buckner Blvd, Dallas 27	Tex
Control Equipment Corp., 2	19 Kearney Rd, Needham Heights 94	Mass
Croname, Inc., 1	6247 Howard St, Chicago 48	Ill
ELECTRO SEAL CORP., 1-2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electrol Specialties Co., 2	441 Clark St, South Beloit	Ill
Evershed & Vignoles Ltd., 2	Chiswick, London W. 4, England	
Fedtro, Inc., 1	Fed Electr Bldg, Rockville Centre	NY
Forway Industries, Inc., 1-2	122 Green Ave, Woodbury	NJ
Foxboro Co., The, 2	Foxboro	Mass
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Mills, Inc., Mech Div., 1	1620 Central Ave N.E., Minneapolis 13	Minn
Guardian Electric Mfg. Co., 2	1621 W. Walnut St, Chicago 12	Ill
ITI Electronics Inc., 1	369 Lexington Ave, Clifton	NJ
Jansen Electronics Mfg., 1	2283 University Ave, St. Paul	Minn
Jem Electronics Corp., 2	743 Circle Ave, Forest Park	Ill
Kelk Ltd., George, 1	5 Lesmill Rd, Don Mills, Ontario	
Kollmorgen Optical Corp., 1	347 King St, Northampton	Mass
Lear, Inc., 1	3171 S. Bundy Dr, Santa Monica	Cal
Litton Industries, Maryland Div., 1	4900 Calvert Rd, College Park	Md
Lynch Communication Systems Inc., 1-2	695 Bryant St, San Francisco 7	Cal
Mallory & Co., Inc., P.R., 1	34 S. Gray St, Indianapolis 6	Ind
Minn-Honeywell, Industrial Div., 1-2	Wayne & Windrim, Philadelphia 44	Pa
Miratel Inc., 1	1080 Dionne St, St. Paul	Minn
Mobil Electronics, Inc., 1	1111 State Rd 67E, Anderson	Ind
Moore Associates, Inc., 1-2	2600 Spring St, Redwood City	Cal
Morrow Radio Mfg. Co., 1	2794 Market St, Salem	Ore
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Multi-Products Co., 1	21470 Coolidge Hwy, Oak Park	Mich
Neill Co., Inc., R.W., 2	4320 W. Montrose, Chicago 41	Ill
Nichols, Ltd., R.H., 1-2	4544 Dufferin St, Downsview, Ontario, Canada	
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
North Electric Co., 1-2	553 S. Market St, Galion	Ohio
NORTHERN RADIO CO., INC., 1-2, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Orbitran Co., Inc., 2	11487 Woodside Ave, Lakeside	Cal
Packard-Bell Electronics Corp., Technical Products Div., 1-2	12333 W. Olympic Blvd, Los Angeles 64	Cal
Palmer, Inc., M.V., 1-2	4108 N.W. Fruit Valley Rd, Vancouver	Wash
PARAPLEGICS MFG. CO., INC., 1-2, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 1	2295 N.W. 14th St, Miami 35	Fla
Perma-Power Co., 1	3100 N. Elston Ave, Chicago 18	Ill
Racal Engineering, Ltd., 2	Western Rd, Bracknell, Berks, England	
Radiaphone Co., Inc., 1	600 E. Evergreen Ave, Monrovia	Cal
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Rust Industrial Co., Inc., 2	130 Silver St, Manchester	NH
Secode Corp., 1-2	555 Minnesota St, San Francisco 7	Cal
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal
SOLID STATE ELECTRONICS CO., 1, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Soroban Engineering, Inc., 2	P.O. Box 1717, Melbourne	Fla
Sparton Corp., 2	2400 E. Ganson St, Jackson	Mich
Standard Electronics Div., Reeves Instrument Corp., 1	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	England
Summers & Mills, Inc., 1	911 W. Commerce, Dallas 8	Tex
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL MATERIEL CORP., 1-2, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Telecom, Inc., 1	1019 Admiral Blvd, Kansas City	Mo
Teletype Corp., 2	5555 W. Touhy Ave, Skokie	Ill
Times Wire & Cable Co., Inc., 1-2-3	358 Hall Ave, Wallingford	Conn
Trepac Corp of America, 1-2	30 W. Hamilton Ave, Englewood	NJ
VARO MFG. CO., INC., 1-2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Winterburn Mfg. Co., 2	P.O. Box 386, Putnam	Conn

CONTROLS –*SERVO See* **SERVOSYSTEMS**
CONTROLS –*SKEW See* **CONTROLS** –*PHOTOELECTRIC*
CONTROLS –*SMOKE & COMBUSTION See* **CONTROLS** –*PHOTOELECTRIC:*
CONTROLS –*FLAME FAILURE*

CONTROLS –*SORTING (NOT PHOTOELECTRIC) See Also* **CONTROLS** *PHOTOELECTRIC*

Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Control Technology Co	1186 Broadway, New York 1	NY
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Di An Controls, Inc	40 Leon St, Boston 15	Mass
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Products Labs, Inc., Transducer Div	4501 N. Ravenswood, Chicago 40	Ill
Erie-Pacific Div of Erie Resistor Corp	12932 S. Weber Way, Hawthorne	Cal
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
Industrial Components, Inc	P. O. Box 308, Beaverton	Ore
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pantek Co	Box 17121, Foy Sta., Los Angeles 17	Cal
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Standard Telephones & Cables, Ltd	64 Aldwych, London W. C. 2	England
Strand Engineering Co	1354 N. Main St, Ann Arbor	Mich

CONTROLS –*SOUND-ACTUATED*

ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Magnecord Div., MI	P.O. Box 7186, Tulsa 5	Okla
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Photobell Co., Inc	43 Vesey St, New York 7	NY
Standard Telephones & Cables, Ltd	64 Aldwych, London W. C. 2	England

CONTROLS –*SPECIFIC GRAVITY, LIQUIDS*

AC SPARK PLUG DIV., GENERAL MOTORS, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Foxboro Co., The	Foxboro	Mass
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Liquidometer Corp	41-03 36th St, Long Island City 1	NY
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Potter Aeronautical Corp	Rt 22, Union	NJ
Precision Thermometer & Instrument Co	1432 Brandywine St, Philadelphia	Pa
Servomechanisms, Inc	12500 Aviation Blvd, Hawthorne	Cal
Taylor Instrument Cos	95 Ames St, Rochester	NY

CONTROLS –*SPEED See* **CONTROLS** –*MOTOR SPEED*

CONTROLS –*STRAIN*

AC SPARK PLUG DIV., GENERAL MOTORS, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Automation Industries, Inc., Datran Div	1836 Rosecrans Ave, Manhattan Beach	Cal
Bytrex Corp	50 Hunt St, Newton	Mass
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Engineered Magnetics Div., Gulton	13041 Cerise Ave, Hawthorne	Cal
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Moeller Instrument Co., Electronics Div	132nd St & 89th Ave, Richmond Hill 18	NY
Norbatrol Electronics Corp	356 Collins Ave, Pittsburgh 6	Pa
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
OWEN LABORATORIES, INC., Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Servomechanisms, Inc	12500 Aviation Blvd, Hawthorne	Cal
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Taylor Instrument Cos	95 Ames St, Rochester	NY
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

CONTROLS –*TEMPERATURE*

Airborne Accessories Corp	1414 Chestnut Ave, Hillside	NJ
Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
All American Engineering Co	Box 1247, DuPont Airport, Wilmington	Del
Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
ATLAS CONTROLS INC., Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Barber Colman Co	1300 Rock St, Rockford	Ill
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
Bytrex Corp	50 Hunt St, Newton	Mass
C.E.S. Electronic Products, Inc	P.O. Box 7504, San Diego 7	Cal
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
E-T-A Products Co of America	6284 N. Cicero Ave, Chicago 46	Ill
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Processes Corp of California	436 Bryant St, San Francisco 7	Cal
Electrowest, Inc	2351 Albatross Way, Sacramento 15	Cal
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fenwal, Inc	Pleasant St, Ashland	Mass
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Foxboro Co., The	Foxboro	Mass
Fulton Sylphon Div., Robertshaw-Fulton	P.O. Box 400, Knoxville 1	Tenn
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
HARREL, INC., Adv Pg 395	**1788 First Ave, New York**	**NY**
Hesco Engineering Co	322 E. Beach Ave, Inglewood 3	Cal
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Industrial Timer Corp	1407 McCarter Hwy, Newark 4	NJ
Johnson Electronics, Inc	P.O. Box 1675, Casselberry	Fla
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
MAGNETIC CONTROLS CO., Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Mechanical Ind. Production Co	217 Ash St, Akron 8	Ohio
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Moeller Instrument Co., Electronics Div	132nd St & 89th Ave, Richmond Hill 18	NY
National Electronics	P.O. Box 1237, Sheridan	Wyo
Networks Electronic Corp	14806 Oxnard St, Van Nuys	Cal
Norbatrol Electronics Corp	356 Collins Ave, Pittsburgh 6	Pa
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Performance Measurement Co	15120 Third Ave, Detroit 3	Mich
Piezo Products Co	Whitney St, Sherborn	Mass
Pimex, Inc	18 E. 60th St, New York 22	NY
Precision Thermometer & Instrument Co	1432 Brandywine St, Philadelphia	Pa
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Ruge Associates, Inc., Arthur C.	Hudson	NH
Serdex, Inc	12 Bowdoin Square, Boston	Mass
SHAW INSTRUMENT CORP., Adv Pg 527	**P.O. Box G-46, Latrobe**	**Pa**
SIGMA INSTRUMENTS, INC., Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	England
Stevens Mfg. Co., Inc	P.O. Annex 1007, Lexington	Ohio
Taylor Instrument Cos	95 Ames St, Rochester	NY
Thermo Electric Co	Rochelle Park P.O., Saddle Brook	NJ
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Ulanet Co., George	413 Market St, Newark 5	NJ
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
United Electric Controls Co	85 School St, Watertown 72	Mass
U.S. Controls, Inc	410 Fourth Ave, Brooklyn	NY
Universal Match Corp., Armament Div	St. Louis 35	Mo
Vapor Heating Corp	80 E. Jackson Blvd, Chicago 4	Ill
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Yellow Springs Instrument Co., Inc	P.O. Box 106E, Yellow Springs	Ohio

CONTROLS –*SILICON RECTIFIER GATE*

EITEL-McCULLOUGH INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**

CONTROLS –*TENTERING See* **CONTROLS** –*PHOTOELECTRIC*

CONTROLS –*THICKNESS*
1. FILM 2. MATERIAL

Automatic Timing & Controls, Inc., 1-2	King of Prussia	Pa
Automation Industries, Inc., 1	3613 Aviation Blvd, Manhattan Beach	Cal
Branson Instruments, Inc., 1-2	1 Brown House Rd, Stamford	Conn
CompuDyne Corp., 2	400 S. Warminster Rd, Hatboro	Pa
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Dice Co., J.W., 1-2	Englewood	NJ
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
Electric Eye Equipment Co., 2	1938 E. Fairchild St, Danville	Ill
ELECTRIC REGULATOR CORP., 1-2, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electronic Control Corp., 1	1573 E. Forest St, Detroit 7	Mich
Foxboro Co., The, 2	Foxboro	Mass
GPE Controls, Inc., 1-2	240 E. Ontario St, Chicago 11	Ill
Industrial Nucleonics Corp., 1	650 Ackerman Rd, Columbus 2	Ohio
Isotope Developments, Ltd., 1-2	Beenham Grange, Reading, Berks, England	
Magnaflux Corp., Sub, General Mills, 2	7328 W. Lawrence Ave, Chicago 31	Ill
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Photobell Co., Inc., 1-2	43 Vesey St, New York 7	NY
Pratt & Whitney Co., 2	Charter Oak Blvd, West Hartford 1	Conn
Research Industrial Labs of Electronics, 1	Roslyn	Pa
Schaevitz Engineering., 1-2	P. O. Box 505, Camden 1	NJ
Security Controls, Inc., 1-2	503 Franklin St, Buffalo	NY
Sheffield Corp., Sub., Bendix Avia. Corp., 1-2	P.O. Box 893, Dayton 1	Ohio
Summers & Mills, Inc., 1	911 W. Commerce, Dallas 8	Tex
Thomas Electronics, Inc., 1	118 Ninth St, Passaic	NJ
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Unit Process Assemblies, Inc., 1-2	61 E. 4th St, New York 3	NY

CONTROLS –*THYRATRON See* **CONTROLS** –*MOTOR SPEED:* **CONTROLS** –*WELDING*

CONTROLS –*THYRATRON GRID*

EITEL-McCULLOUGH INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**

CONTROLS –*TIMING See* **TIMERS**

CONTROLS –*TORQUE, ELECTRONIC*

AC SPARK PLUG DIV., GENERAL MOTORS, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa

Computer Measurements Corp	5528 Vineland Ave, North Hollywood	Cal
Deitz Co., S.J.	9 E. Wesley, South Hackensack	NJ
Electronic Control Corp	1573 E. Forest St, Detroit 7	Mich
Engineered Magnetics Div., Gulton	13041 Cerise Ave, Hawthorne	Cal
Erie-Pacific Div of Erie Resistor Corp	12932 S. Weber Way, Hawthorne	Cal
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Globe Industries, Inc	1784 Stanley Ave, Dayton 4	Ohio
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
I-L-S Instrument Div., The Meriam Instrument Co	4525 W. 160th St, Cleveland 35	Ohio
Kellogg Switchboard & Supply Co	6650 S. Cicero Ave, Chicago 39	Ill
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Machinery Electrification, Inc	56 Hudson St, Northboro	Mass
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Muirhead & Co., Ltd	Beckenham, Kent, England	
Natel Engineering Co., Inc	15922 Strathern St, Van Nuys	Cal
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pintsch Bamag AG	Postfach 11, Butzbach, Germany	
Pitometer Log Corp	237 Lafayette St, New York 12	NY
Post Electronic Products	140 Elliott St, Beverly	Mass
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Security Controls, Inc	503 Franklin St, Buffalo	NY
Servomechanisms, Inc	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc	1086 Goffle Rd, Hawthorne	NJ
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Vemaline Products Co	P.O. Box 222ED, Hawthorne	NJ
Waltham Precision Instrument Co	221 Crescent St, Waltham	Mass
Warner Electric Brake & Clutch Co	Beloit	Wisc
Waugh Engineering Co	7842 Burnet Ave, Van Nuys	Cal

CONTROLS *–TRACER See* **CONTROLS** *–CONTOURING*

CONTROLS *–TRAFFIC*
1. RADAR 2. RADIO

Avco Corp., Crosley Div., 1	1329 Arlington St, Cincinnati 25	Ohio
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
ELECTRO SEAL CORP., 2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Ford Instrument Co., Div., Sperry Rand Corp., 1	31-10 Thomson Ave, Long Island City 1	NY
GENERAL DEVICES, INC., 1, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gibbs Mfg. & Research Corp., 1	454 N. Main St, Janesville	Wisc
Gilfillan Bros., Inc., 1	1815 Venice Blvd, Los Angeles 6	Cal
Hazeltine Corp., 1-2	59-25 Little Neck Pkwy, Little Neck	NY
Intercontinental Electronics, 1	1551 Franklin Ave, Mineola	NY
Laboratory for Electronics, Inc., 1	1079 Commonwealth, Boston 15	Mass
Litton Industries, Maryland Div., 1-2	4900 Calvert Rd, College Park	Md
Lockheed Electronics Co., Info Tech Div., 2	Metuchen	NJ
Marconi's Wireless Telegraph Co., Ltd., 1	750 Third Ave, New York 17	NY
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 2, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Radio Corp of America Indl Electronic Prods, 2	Front & Cooper, Camden	NJ
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	England
Telecomputing Corp., 1	915 N. Citrus Ave, Hollywood	Cal
Transdyne Corp., 1	43 Albertson Ave, Albertson	NY
VARIAN ASSOCIATES, 1, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WILCOX ELECTRIC CO., 1-2, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**

CONTROLS-TUNING *See* **CONTROLS** *–AUTOMATIC TUNING*
CONTROLS *–TURBIDITY See* **CONTROLS** *–PHOTOELECTRIC*
CONTROLS *–ULTRASONIC See* **ULTRASONIC EQUIPMENT**

CONTROLS *–VACUUM*

CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Dietz Co., Inc., Henry G	12-16 Astoria Blvd, Long Island City 2	NY
Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
Electronic Research Labs	85 Surry St, Brighton 35	Mass
Foxboro Co., The	Foxboro	Mass
Fredericks Co	Bethayres	Pa
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
United Electric Controls Co	85 School St, Watertown 72	Mass
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
Vacuum Specialties Co	34 Linden St, Somerville	Mass
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**

CONTROLS *–VENTILATING SYSTEM See* **CONTROLS PROVIDING REQUIRED FUNCTION**

CONTROLS *–VISCOSITY*

Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo

CONTROLS *–VOICE-ACTUATED See* **CONTROLS** *–SOUND-ACTUATED*
CONTROLS *–VOLUME & TONE See* **POTENTIOMETERS**

CONTROLS *–WEIGHT*

Automatic Timing & Controls, Inc	King of Prussia	Pa
Bytrex Corp	50 Hunt St, Newton	Mass
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
INDUSTRIAL ELECTRONIC ENGINEERS, INC., Adv Pg 560	**5528 Vineland Ave, North Hollywood**	**Cal**
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Toledo Scales Div., Toledo Scale Corp	1029 Telegraph Rd, Toledo 12	Ohio
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ

CONTROLS *–WELDING*

Automatic Timing & Controls, Inc	King of Prussia	Pa
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
Di An Controls, Inc	40 Leon St, Boston 15	Mass
EWALD INSTRUMENTS, Adv Pg 548	**Rt 7E, Kent**	**Conn**
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Square D Co	4041 N. Richards, Milwaukee 12	Wisc
Taylor-Winfield Corp	1056 Mahoning, N.W., Warren	Ohio
Weltronic Co	19500 W. Eight Mile Rd, Southfield	Mich

CONVERTERS *–A-C TO D-C INSTRUMENT*

Adage, Inc	292 Main St, Cambridge	Mass
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
Cadre Industries Corp	P.O. Box 150, Endicott	NY
Christie Electric Corp	3410 W. 67 St, Los Angeles 43	Cal
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Data Products Co., Inc	7320 Westmore Rd, Rockville	Md
DAVEN CO., Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co	1933 N. Damen, Chicago 47	Ill
Dorsett Electronics Labs., Inc	119 W. Boyd St, Norman	Okla
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
Electronic Associates, Inc	Long Branch	NJ
Electronic Development Corp	423 W. Broadway, Boston 27	Mass
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES ELECTRONIC CO., Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Photo Products Co., Inc	15 Summit Ave, Chatham	NJ
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Heinz-Mueller Engineering Co., Inc	4725 Iowa St, Chicago 51	Ill
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
INTERELECTRONICS CORP., Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Kato Engineering Co	1415 First Ave, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kupfrian Mfg. Corp	398 State St, Binghamton	NY
Magnetic Circuit Elements, Inc	3722 Park Pl, Montrose	Cal
Magnetic Research Corp	3160 W. El Segundo Blvd, Hawthorne	Cal
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
MID-EASTERN ELECTRONICS, INC., Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
MOSELEY CO., F. L., Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
NON-LINEAR SYSTEMS, INC., Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Potter Aeronautical Corp	Rt 22, Union	NJ
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Sangamo Electric Co	1201 N. 11 St, Springfield	Ill
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Systron Corp	950 Galindo St, Concord	Cal
Trans-Sil Corp	55 Honeck St, Englewood	NJ
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**

CONVERTERS *–COMPUTER*
1. ANALOG-TO-DIGITAL 2. DIGITAL-TO-ANALOG 3. POLAR-TO-RECTANGULAR COORDINATE 4. PULSE-TO-ANALOG 5. PUNCHED-CARD-TO-TAPE 6. TAPE-TO-PUNCHED-CARD 7. TAPE-TO-TAPE. CODE-CHANGING

ACF Electronics Div., 1-2	Riverdale	Md
Abacus, Inc., 1-2-3-4-5-6-7	3040 Overland Ave, Los Angeles 34	Cal
Adage, Inc., 1-2	292 Main St, Cambridge	Mass
Addressograph-Multigraph, Electronics Div., 5-7	1200 Babbitt Rd, Cleveland 17	Ohio
AIRFLYTE ELECTRONICS CO., 1-2, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-2, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
ALLEGANY INSTRUMENT CO., INC., 1-6, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
American Bosch Arma Corp., 1-2	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Data Systems Div., 5	10 E. 40th St, New York 16	NY
American Electronics, Inc., Instrument Div., 1	9503 W. Jefferson Blvd, Culver City	Cal
Andromeda, Inc., 1-2	3742 Howard Ave, Kensington	Md
Applied Dynamics, Inc., 1-3-4	P.O. Box 2068, Ann Arbor	Mich

1960-1961 LISTINGS of

APPLIED ELECTRONICS CORP OF N.J., 1-2-4-7, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arnoux Corp., 2	11924 W. Washington Blvd, L.A. 66	Cal
Astrosystems Inc., 2	220 E. 23rd St, New York 10	NY
Automation Management, Inc., 4	Westboro 2	Mass
Baldwin Piano Co., 1	1801 Gilbert St, Cincinnati 2	Ohio
BECKMAN/BERKELEY DIV., 1-2-3, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Beckman Instruments, Inc., Systems Div., 1	325 N. Muller Ave, Anaheim	Cal
Bell & Gossett Co., 1-2-4-5	8202 N. Austin Ave, Morton Grove	Ill
Belock Instrument Corp., 3	112-03 14 Ave, College Point	NY
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
Benson-Lehner Corp., 1-2-5-6-7	1860 Franklin, Santa Monica	Cal
Boonshaft & Fuchs, Inc., 2	Huntingdon Valley	Pa
BRIGGS ASSOCIATES, INC., 1-2-4-5-6-7, Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Bristol Co., 1	P.O. Box 1790EBG, Waterbury 20	Conn
Budd Lewyt Electronics, Inc., 1	43-22 Queens St, Long Island City 1	NY
Bytrex Corp., 1	50 Hunt St, Newton	Mass
CBC ELECTRONICS CO., INC., 1-2-3-4-5-6-7, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CG Electronics Corp., 1-2-4-5-6-7	15000 Central E., Albuquerque	NM
C.G.S. Labs., Inc., 1-2-7	Rt 7, Wilton	Conn
California Computer Products, Inc., 1	8714 Cleta St, Downey	Cal
Chance Vought Aircraft, Inc., 1-2	P.O. Box 5907, Dallas 22	Tex
Coleman Electronics, Inc., 1	133 E. 162nd St, Gardena	Cal
Computer Control Co., Inc., 1-2-3-5-6-7	983 Concord St, Framingham	Mass
COMPUTER INSTRUMENTS CORP., 1, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Computer Systems, Inc., 2-3	611 Broadway, New York 12	NY
Computing Devices of Canada, Ltd., 1-2	P.O. Box 508, Ottawa, Ontario, Canada	
Concord Control, Inc., 1-2	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 1-2-4-5-6-7	800 Shames Dr, Westbury	NY
Consolidated Controls Corp., 1	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp., 1	360 N. Sierra Madre Villa, Pasadena	Cal
Control Data Corp., Cedar Engr. Div., 1	501 Park Ave, Minneapolis 15	Minn
Control Data Corp., Computer Div., 1-5-6-7	501 Park Ave, Minneapolis 15	Minn
CONTROL ELECTRONICS CO., INC., 1-2-4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 2	19 Kearney Rd, Needham Heights 94	Mass
Cubic Corp., 1	5575 Kearny Villa Rd, San Diego 11	Cal
CURTISS-WRIGHT, ELECTRONICS DIV., 1, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Curtiss-Wright Corp., IMI Branch, 1-2	P.O. Box 8324, Albuquerque	NM
Data Equipment Co., 1-2-3-4-5-6-7	923 E. 3rd St, Los Angeles 13	Cal
Data Products Co., Inc., 1-2	7320 Westmore Rd, Rockville	Md
Data Systems Dept, Norden Div United Aircraft Corp., 7	13210 Crenshaw Blvd, Gardena	Cal
Daystrom, Inc., Control Systems Div., 1-2-7	4455 Miramar Rd, La Jolla	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 1, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Di An Controls, Inc., 5-6-7	40 Leon St, Boston 15	Mass
Diehl Mfg. Co., 2	1129 Findeme Ave, Somerville	NJ
Digital Instrument Labs., 1-2	152 S. Atlantic Blvd, Los Angeles	Cal
Digitool Corp., 1-4	P.O. Box 22242, Houston 27	Tex
Digitran Co., 1-2	660 S. Arroyo Pkwy, Pasadena	Cal
Digitronics Corp., 7	Albertson Ave, Albertson	NY
Donner Scientific Co., 3	888 Galindo St, Concord	Cal
Dorsett Electronics Labs., Inc., 2	119 W. Boyd St, Norman	Okla
DYMEC, DIV., HEWLETT-PACKARD CO., 1, Adv. Pgs 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
EPR Special Products Corp., 3	675 Barbey St, Brooklyn	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1, Adv. Pgs. 193-196	**Teterboro**	**NJ**
ELECTRIC REGULATOR CORP., 1-2, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-2	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 1-2-4	515 Boccaccio, Venice	Cal
ELECTRO-MEC LABORATORY, INC., 1, Adv Pg 540	**47-51 33rd St, Long Island City 1**	**NY**
Electro-Mechanical Research, Inc., 1-2	P.O. Box 3041, Sarasota	Fla
Electro Precision Corp., 1	P.O. Box 669, Arkadelphia	Ark
Electrodynamic Instrument Corp., 1	1841 Old Spanish Trail, Houston 25	Tex
Electronic Associates, Inc., 1-2-3	Long Branch	NJ
Electronic Computer Co., Inc., 1	618 Maple St, Conshohocken	Pa
Electronic Engineering Co., 3-4-5-6-7	1601 E. Chestnut Ave, Santa Ana	Cal
ELECTRONIC SPECIALTY CO., 1-2, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electronics Corp of America, 1	1 Memorial Dr, Cambridge 42	Mass
El-Tronics Inc., 5-6	20 S. 15th St, Philadelphia 2	Pa
EPSCO, INC., EQUIPMENT DIV., 1-2, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div., 1-2-5-6-7	275 Massachusetts Ave, Cambridge 39	Mass
Epsco-West, 1-2-4-5-6-7	240 E. Palais Rd, Anaheim	Cal
Erie-Pacific Div of Erie Resistor Corp., 1-2	12932 S. Weber Way, Hawthorne	Cal
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd., 1	Chiswick, London W. 4, England	
Farrand Optical Co., Inc., 1-2	Bronx Blvd at 238th St, New York 70	NY
Fedrick Fenske & Miller, Inc., 1-2-3-4-5-6	12822 Panama St, Los Angeles	Cal
Feedbacks Controls, Inc., 3	8 Erie Dr, Natick	Mass
FERRANTI ELECTRIC, INC., 7, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Fischer & Porter Co., 1	476 Warminster Rd, Warminster	Pa
Ford Instrument Co., Div., Sperry Rand Corp., 1-2-3-4	31-10 Thomson Ave, Long Island City 1	NY
G B COMPONENTS, INC., 1-2, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL DEVICES, INC., 1-2-4, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Mills, Inc., Mech Div., 1	1620 Central Ave N.E., Minneapolis 13	Minn
Genesys Corp., Sub, Chance Vought, 1	10131 National Blvd, Los Angeles 34	Cal
Gerber Scientific Instrument Co., 1-3	89 Spruce St, Hartford 1	Conn
Gertsch Products, Inc., 2	3211 S. La Cienega, Los Angeles 16	Cal
Giannini Controls Corp., 1-2-4-5-6-7	1600 S. Mountain Ave, Duarte	Cal
Gibbs Mfg. & Research Corp., 1	454 N. Main St, Janesville	Wisc
Gilfillan Bros., Inc., 1-2-4	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp., 1-2	1210 Massillon Rd, Akron 15	Ohio
Guidance Controls Corp., 1-2	110 Duffy Ave, Hicksville	NY
Gulton Industries, Inc., 1	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., 1-2-7, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harvey-Wells Electronics, Inc., 1-2	North St, Southbridge	Mass
Hazeltine Corp., 1-2	59-25 Little Neck Pkwy, Little Neck	NY
HERMES ELECTRONICS CO., 3-5-7, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hoover Electronics Co., 1-2	110 W. Timonium Rd, Timonium	Md
Huyck Systems Co., 1-2	360 Wolf Hill Rd, Huntington Sta	NY
I B M Federal Systems Div., 5-6-7	326 E. Montgomery Ave, Rockville	Md
I-L-S Instrument Div., Meriam Instrument Co., 2	4525 W. 160th St, Cleveland 35	Ohio
ITT Laboratories, 1-2-3-4-5-6-7	500 Washington Ave, Nutley 10	NJ
Industrial Control Co., 1-3	Central at Pinelawn, Farmingdale	NY
INSTRUMENT DEVELOPMENT LABS., INC., 1, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Instrument Systems Corp., 1-2-4	129-07 18th Ave, College Point 56	NY
JULIE RESEARCH LABS., 1-2-4, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Kauke & Co., Inc., 4	1632 Euclid St, Santa Monica	Cal
KEARFOTT DIV., GEN PRECISION, INC., 1-2-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelk Ltd., George, 1	5 Lesmill Rd, Don Mills, Ontario	
KIN TEL DIV., CONU ELECTRONICS, 1, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Land-Air, Inc., 1	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 1-2-4	3171 S. Bundy Dr, Santa Monica	Cal
Librascope Div., General Precision, Inc., 1-2-3	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-2	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Electronic Equipments Div., 1	336 N. Foothill Rd, Beverly Hills	Cal
Litton Industries, Electron Tube Div., 3	960 Industrial Rd, San Carlos	Cal
Litton Industries, Maryland Div., 1-3-4	4900 Calvert Rd, College Park	Md
Marquardt Corp., Pomona Div., 1-2-3-4	2709 N. Garey Ave, Pomona	Cal
Melpar, Inc., 2	3000 Arlington Blvd, Falls Church	Va
Milgo Electronic Corp., 1-2-3-4	7620 N.W. 36th Ave, Miami 47	Fla
Mini-Rad, Inc., 1-2-4	7416-E Varna Ave, N. Hollywood	Cal
Minn-Honeywell, Aeronautical Div., 1-2	2600 Ridgway Rd, Minneapolis 13	Minn
Moore Associates, Inc., 1-2	2600 Spring St, Redwood City	Cal
MOSELEY CO., F.L., 1-2-5-6, Adv. Pgs., 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Mullard Equipment, Ltd., 1	Torrington Pl, London W.C. 1, England	
NAVIGATION COMPUTER CORP., 2, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
NON-LINEAR SYSTEMS, INC., 1, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
Norden Div., United Aircraft Corp., 1-2	58 Commerce Rd, Stamford	Conn
NORTHEASTERN ENGINEERING, INC., 2, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Otis Elevator Co., 1-2-3-4	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics, 1-2-4	8345 Hayvenhurst Ave, Sepulveda	Cal
Packard Bell Computer Corp., 1-2-3-4	1905 Armacost Ave, Los Angeles 25	Cal
Performance Measurements Co., 1-2-5	15120 Third Ave, Detroit 3	Mich
Potter Aeronautical Corp., 1-2-4	Rt 22, Union	NJ
PRECISION PRODUCTS DEPT NORTRONICS, DIV., NORTHROP CORP., 1, Adv Pg 315	**100 Morse St, Norwood**	**Mass**
Production Research Corp., Sub of Radio Condenser Co., 1-2	Claremont Ave, Thornwood	NY
Racal Engineering, Ltd., 1	Western Rd, Bracknell, Berks, England	
Radiation, Inc., 1-2-4-7	Melbourne	Fla
Ram Electronics, Inc., 1-2	600 Industrial Ave, Paramus	NJ
Ransom Research, Inc., 1-2-4	374 W. 8th St, Box 269, San Pedro	Cal
Remington Rand Div., Sperry Rand Corp., 1-2-5-6	315 Park Ave S., New York 10	NY
Rese Engineering Corp., 1-5	731 Arch St, Philadelphia 6	Pa
Ridgefield Instrument Group, Schlumberger Corp., 1-2	P.O. Box 307, Ridgefield	Conn
ROTARY DEVICES CORP., 1, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
S-E Laboratories Ltd., 2	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Servo Consultants Ltd., 3	80 Shore Rd, Port Washington	NY
Servomechanisms, Inc., 1-2	12500 Aviation Blvd, Hawthorne	Cal
Servonics, Inc., 1	822 N. Henry St, Alexandria	Va
Sierra Research Corp., 1-2	P.O. Box 22, Buffalo 25	NY
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Soroban Engineering, Inc., 1-2-7	P.O. Box 1717, Melbourne	Fla
Southern Instruments, Ltd., 1	Frimley Rd, Camberley, Surrey, England	
Spectrum Instruments, Inc., 2	Box 61, Steinway Sta, Long Island City 3	NY
Streeter-Amet Co., 1-2-5-6	Grayslake	Ill
Systron Corp., 1-2-4	950 Galindo St, Concord	Cal
Tally Register Corp., 5-6-7	1310 Mercer St, Seattle 9	Wash
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1	23555 Euclid Ave, Cleveland 17	Ohio
Technical Measurement Corp., 1-4	441 Washington Ave, North Haven	Conn
Techniques, Inc., 1	40 Jay St, Englewood	NJ
Technitrol Engineering Co., 1-5	1952 E. Allegheny Ave, Philadelphia 34	Pa
TELECHROME MFG. CORP., 1, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 1-2-4-5-6-7	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 1-7, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 1-2	P.O. Box 6191, Dallas 22	Tex
Topp Industries, Inc., 1-4	5221 W. 102 St, Los Angeles 45	Cal
Tullamore Electronics Corp., 1-2-4	6055 S. Ashland Ave, Chicago 36	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec., 6	Balch St, Beverly	Mass
Venner Electronics, Ltd., 1	Kingston By-Pass, New Malden	England
Vidar Corp., 1-2	2107 El Camino Real, Palo Alto	Cal
Vitro Corp of America, 1-2-3-4-5-6-7	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc., 1-2-3-4-5-6-7	12 Huron Dr, Natick	Mass
Wayne-George Corp., 1	588 Commonwealth Ave, Boston 15	Mass
West Coast Research Corp., 1-2	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westrex Corp., Div., Litton Industries, 3	540 W. 58 St, New York 19	NY

CONVERTERS—*COUNTER, VERTICAL TO HORIZONTAL READOUT*

AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
BECKMAN/BERKELEY DIV., Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Benson-Lehner Corp.	1860 Franklin, Santa Monica	Cal
CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CG Electronics Corp	15000 Central E., Albuquerque	NM
Computer Measurements Corp	5528 Vineland Ave, North Hollywood	Cal
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Digitran Co.	660 S. Arroyo Pkwy, Pasadena	Cal
Epsco-West	240 E. Palais Rd, Anaheim	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gerber Scientific Instrument Co	89 Spruce St, Hartford 1	Conn
Huyck Systems Co.	360 Wolf Hill Rd, Huntington Sta	NY
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Milgo Electronic Corp.	7620 N.W. 36th Ave, Miami 47	Fla

NORTHEASTERN ENGINEERING, INC., Adv. Pgs. 369–372	**P.O. Box 150, Manchester**	**NH**
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Potter Aeronautical Corp	Rt 22, Union	NJ
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
Vitro Corp of America	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

CONVERTERS *–FACSIMILE See* **FACSIMILE EQUIPMENT**
CONVERTERS *–KEYING, FREQUENCY SHIFT See* **KEYERS** *–AUTOMATIC*

CONVERTERS *–POWER*
1. A-C TO A-C. ROTARY 2. A-C TO A-C. TRANSISTOR 3. A-C TO A-C. TUBE 4. A-C TO A-C. VIBRATOR-D-C TO A-C: See **INVERTERS** *5. D-C TO D-C*

AC Electronics, Inc., 2–3–5	11725 Mississippi Ave, Los Angeles 25	Cal
AEG, 1	Hochhaus Sued, Frankfurt/Main, Germany	
ACCURATE INSTRUMENT CO., INC., 2, Adv Pg 545	**2422 Bremard St, Houston 6**	**Tex**
Aerolab Development Co., 2	330 W. Holly St, Pasadena	Cal
Airborne Accessories Corp., 5	1414 Chestnut Ave, Hillside	NJ
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 4, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Alto Scientific Co., Inc., 5	855 Commercial St, Palo Alto	Cal
American Avionics, Inc., 2–5	2028–2032 Stoner Ave, Los Angeles 25	Cal
American Bosch Arma Corp., 2–3–5	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Precision Power Div., 1–2–5	9705 Klingerman St, El Monte	Cal
American–Monarch Corp., 2–5	2801 37 Ave N.E., Minneapolis 18	Minn
American Research & Mfg. Corp., 2–5	920 Halpine Ave, Rockville	Md
AMERICAN TELEVISION & RADIO CO., 4–5, Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
AMP, INC., 2–5, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Anders Electric Products, Inc., 5	50 Brook Rd, Needham Heights 94	Mass
Armour Electronics, 2–4–5	4201 Redwood Ave, Los Angeles 66	Cal
ARNOLD MAGNETICS CORP., 5, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Arnoux Corp., 5	11924 W. Washington Blvd, L.A. 66	Cal
ATLAS CONTROLS INC., 2-3, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Avionics Corp., 5	Maple Ave & Horsham Rd, Horsham	Pa
BEHLMAN ENGINEERING CO., 2–3, Adv Pg 533	**2911 Winona Ave, Burbank**	**Cal**
Bendix Aviation Corp., Montrose Div., 5	South Montrose	Pa
Bergen Labs., Inc., 2–5	60 Spruce St, Paterson	NJ
Bill Jack Scientific Instrument Co., 1	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
CG Electronics Corp., 5	15000 Central E., Albuquerque	NM
Cadre Industries Corp., 5	P.O. Box 150, Endicott	NY
Canadian Marconi Co., 5	2444 Trenton Ave, Montreal, Canada	
Carol Electronics Corp., 4	315 W. Stephen St, Martinsburg	W. Va
Carruthers & Fernandez, Inc., 2–3–5	1501 Colorado Ave, Santa Monica	Cal
Carter Motor Co., 1–5	2746 W. George St, Chicago 18	Ill
Coil Winders, Inc., 2–5	Ames Ct., Plainview	NY
Coilcraft, Inc., 2–5	Cary	Ill
Collins Electronics, Inc., 4–5	Stevensville	Md
COMMUNICATION MEASUREMENTS LAB., INC., 3, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Comptron Corp., 2	778 Pleasant St, Belmont 79	Mass
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 2–5	800 Shames Dr, Westbury	NY
Consolidated Diesel Electric Corp., 1	880 Canal St, Stamford	Conn
Continental Electric Co., Inc., 1–5	334 Ferry St, Newark 5	NJ
Control Data Corp., Cedar Engr. Div., 1	501 Park Ave, Minneapolis 15	Minn
CONTROL ELECTRONICS CO., INC., 2–3–4–5, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 2–4–5, Adv Pg 321	**South Plainfield**	**NJ**
CRESCENT ENGINEERING & RESEARCH CO., 2, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
D & R Ltd., 1–5	402 E. Gutierrez, Santa Barbara	Cal
Data Equipment Co., 1–2–3–4–5	923 E. 3rd St, Los Angeles 13	Cal
Data Products Co., Inc., 2–5	7320 Westmore Rd, Rockville	Md
DAVEN CO., 2–5, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 5	2530–32 N. Elston Ave, Chicago	Ill
Daystrom, Inc., Control Systems Div., 2	4455 Miramar Rd, La Jolla	Cal
Delco Radio Div, GMC., 2–5	700 E. Firmin St, Kokomo	Ind
Deltron, Inc., 2–3–5	4th & Cambria, Philadelphia 33	Pa
Designers for Industry, 1–2–3–4–5	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 2–3–5	1933 N. Damen, Chicago 47	Ill
Dorsett Electronics Labs., Inc., 5	119 W. Boyd St, Norman	Okla
Dynamic Controls Co., 2–5	2225 Massachusetts Ave, Cambridge	Mass
E.P. Electric Products Co., Ltd., 5	9720 Waverly St, Montreal 12, Que, Canada	
Eicor Div of The Scranton Corp., 1–5	4059 W. North Ave, Chicago 39	Ill
Electric Machinery Mfg. Co., 1	800 Central Ave, Minneapolis 13	Minn
Electric Specialty Co., 1–5	207 South St, Stamford	Conn
Electrodynamic Instrument Corp., 2–5	1841 Old Spanish Trail, Houston 25	Tex
Electronic Development Corp., 2–5	423 W. Broadway, Boston 27	Mass
Electronic Research Associates, Inc., 2–5	67 Factory Pl, Cedar Grove	NJ
ELECTRONIC SPECIALTY CO., 2–5, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electronic Transformer Co., 5	70 Washington St, Brooklyn 1	NY
Elin Div., IERC, 3	135 W. Magnolia Blvd, Burbank	Cal
Elomag Sprl, 2–4–5	2 Avenue Wellington, Brussels, Belgium	
EMPIRE DEVICES PRODUCTS CORP., 3, Adv Pg 454	**Amsterdam**	**NY**
Engineered Magnetics Div., Gulton, 2–5	13041 Cerise Ave, Hawthorne	Cal
Era Pacific, Inc., 2–5	1760 Stanford St, Santa Monica	Cal
Fairfield Engineering Corp., 2–5	114 Manhattan St, Stamford	Conn
Ferrotran Electronic Co., Inc., 2	693 Broadway, New York 12	NY
FREED TRANSFORMER CO., INC., 2–5, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Garrett Corp., The, 1–2–5	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL DEVICES, INC., 1–2–5, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1–2–5, Adv. Pgs. 7–11, 15	**1 River Rd, Schenectady 5**	**NY**
Georator Corp., 1	315 Tuder Ln, Manassas	Va
Geotronic Labs., Inc., 2–5	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 1–2–3–5	4868 N. Clark, Chicago 40	Ill
Glentronics, Inc., 5	857 E. Alosta Ave, Glendora	Cal
Gulton Industries, Inc., 5	212 Durham Ave, Metuchen	NJ
Hallamore Electronics Co., 1	714 N. Brookhurst Ave, Anaheim	Cal
HARREL, INC., 2, Adv Pg 395	**1788 First Ave, New York**	**NY**
Hathaway Instruments, Inc., 2–5	5800 E. Jewell Ave, Denver 22	Colo
Heath Co., A Sub of Daystrom, Inc., 2–4–5	Benton Harbor	Mich
Heinz-Mueller Engineering Co., Inc., 1–5	4725 Iowa St, Chicago 51	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2–3–5	P.O. Box 978, Garland	Tex
Horlick Co., Inc., William I., 1–5	266 Summer St, Boston 10	Mass
HYDRO AIRE CO., 2-5, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
Hyperion, Inc., 2–5	76 Coolidge Hill Rd, Watertown 72	Mass
Inductor Engineering Inc., 5	117 Schley Ave, Lewes	Del
INDUSTRIAL TEST EQUIPMENT CO., 3, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
INTERELECTRONICS CORP., 2–3–5, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 2–5	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 2–3–5	15191 Bledsoe St, San Fernando	Cal
Invar Electronics Corp., 5	323 W. Washington, Pasadena	Cal
James Electronics Inc., 4–5	4050 N. Rockwell St, Chicago 18	Ill
Johnson Electronics, Inc., 2–3	P.O. Box 1675, Casselberry	Fla
Jordan Electronics Div., 2–5	3025 W. Mission Rd, Alhambra	Cal
Kato Engineering Co., 1–5	1415 First Ave, Mankato	Minn
Kenyon Transformer Co., Inc., 2–3–5	1057 Summit Ave, Jersey City 7	NJ
King Radio Corp., 5	9700 W. 75 St, Merriam	Kan
Kupfrian Mfg. Corp., 5	398 State St, Binghamton	NY
Lawn Electronics Corp., 2–3–5	Woodward Rd, Englishtown	NJ
Leach Corp., 1	18435 Susana Rd, Compton	Cal
Lear, Inc., 2–5	3171 S. Bundy Dr, Santa Monica	Cal
Leland Airborne Products, Div., AMF, 1–2	P.O. Box 128, Vandalia	Ohio
Lucas-Rotax, Ltd., 1–2–5	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Lumen, Inc., 5	P.O. Box 905, Joliet	Ill
Magnalectric Corp., 2–5	P.O. Box 6008, Tulsa	Okla
MAGNETIC AMPLIFIERS, INC., 2, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
MAGNETIC CONTROLS CO., 5, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Magnetic Research Corp., 2–5	3160 W. El Segundo Blvd, Hawthorne	Cal
Mallory & Co., Inc., P.R., 2	34 S. Gray St, Indianapolis 6	Ind
Marathon Electric Mfg. Corp., 1–2	Randolph & Cherry Sts, Wausau	Wisc
Marsland Engineering, Ltd., 5	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp., 2–5	204 Babylon Trnpk, Roosevelt	NY
Meredith & Co., Ltd., C.C., 1	80 Thomas St, Streetsville, Ontario, Canada	
Meterlog Corp., 2–3–5	169 N. Halstead St, Pasadena	Cal
Micromag Instrument Corp., 5	115 Halleck St, Roxbury	Mass
MID-EASTERN ELECTRONICS, INC., 5, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Modern Industries, Inc., 2–5	5755 Camille Ave, Culver City	Cal
Motoresearch Co., 1	1405 16th St, Racine	Wisc
Motor Generator, Aff, Hobart Bros Co., 1–5	W. Water St, P.O. Box EBG, Troy	NY
Nacimco Products, Inc., 2	1090 Morena Blvd, San Diego	Cal
Networks Electronic Corp., 1–2–5	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 2–5	638 W. 17th St, Costa Mesa	Cal
Nippon Electric Co., Ltd., 5	Shiba-Mita, Tokyo, Japan	
Ohio Crankshaft Co., Tocco Div., 1–3	3800 Harvard Ave, Cleveland 5	Ohio
OPAD ELECTRIC CO., 2-5, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Otis Elevator Co., 1–2–3	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics, 5	8345 Hayvenhurst Ave, Sepulveda	Cal
PARSONS CO., RALPH M., ELECTRONICS DIV., 5, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Pearce Simpson, Inc., 5	2295 N.W. 14th St, Miami 35	Fla
Perkin Engineering Corp., 5	345 Kansas St, El Segundo	Cal
Pesco Products Div., Borg-Warner Corp., 1	24700 N. Miles Rd, Bedford	Ohio
Polytron Engineering, Inc., 2–5	32 W. Biddle St, Baltimore 1	Md
POWER DESIGNS, INC., 2–5, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Equipment Co., 2–3	Portland Way N., Galion	Ohio
Power Industries Co., 5	2655 W. 19th St, Chicago 16	Ill
Power Sources, Inc., 2–5	South Ave, Burlington	Mass
Power Supplies, Inc., 2–3–4–5	1007 Olive St, Highland	Ill
Radiaphone Co., Inc., 5	600 E. Evergreen Ave, Monrovia	Cal
RADIO FREQUENCY LABS., INC., 3, Adv Pg 116	**Boonton 2**	**NJ**
Rangertone, Inc., 5	73 Winthrop St, Newark 4	NJ
Raypar, Inc., 5	7800 W. Addison St, Chicago	Ill
RED BANK DIV., BENDIX AVIATION CORP., 1-2-5, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Redmond Co., Inc., 5	201 Monroe St, Owosso	Mich
RIXON ELECTRONICS, INC., 2, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Sangamo Electric Co., 1–5	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 5, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
SENSITIVE RESEARCH INSTRUMENT CORP., 3, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Siemon Mfg. Co., 5	P. O. Box 275, Wayne	Ill
Signal Equipment Co., Inc., 3	2706 3rd Ave, Seattle 1	Wash
SORENSEN & CO., INC., 5, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Southwestern Ind. Electronics Co., 2–5	10201 Westheimer Rd, Houston 19	Tex
Spectrol Electronics Corp., 2–5	1704 S. Del Mar, San Gabriel	Cal
Spec-Tronics, 5	13942 Saticoy Ave, Van Nuys	Cal
Sprague Engineering Corp., 1	19300 S. Vermont Ave, Gardena	Cal
Standard Electronics Co., 5	1611 W. 63rd St, Chicago	Ill
TECHNICAL APPARATUS BUILDERS, 2–3, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TELECHROME MFG. CORP., 2, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Tel-Instrument Electronics Corp., 3	728 Garden St, Carlstadt	NJ
Temco Electronics Div., Temco Aircraft Corp., 5	P.O. Box 6191, Dallas 22	Tex
Tenco Electronics, Inc., 5	811 Boylston St, Boston	Mass
Topp Industries, Inc., 5	5221 W. 102 St, Los Angeles 45	Cal
TORWICO ELECTRONICS, INC., 2–5, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Trans Electronics, Inc., 5	7349 Canoga Ave, Canoga Park	Cal
TRANSISTOR SPECIALTIES, INC., 2, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Transval Electronics Corp., 2–5	2030 Maple Ave, El Segundo	Cal
Trygon Electronics, Inc., 2–5	111 Pleasant Ave, Roosevelt	NY
United Control Corp., 2–5	4540 Union Bay Pl, Seattle 5	Wash
Universal Transistor Products Corp., 2	36 Sylvester St, Westbury	NY
VARO MFG. CO., INC., 1–2–3–4–5, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vibration Research Labs., Inc., 2–4–5	58 Marbledale Rd, Tuckahoe	NY
Victory Engineering Corp., 2	101 Springfield Rd, Union	NJ
Webster Electric Co., 5	1900 Clark St, Racine	Wisc
Weltronic Co., 3	19500 W. Eight Mile Rd, Southfield	Mich
Western Gear Corp., Electro Prods. Div., 1	132 W. Colorado, Pasadena 1	Cal
WESTINGHOUSE ELECTRIC CORP., 2–5, Adv. Pgs. 131–136	**Box 2278, Pittsburgh 30**	**Pa**
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 1–2–3–5, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WILCOX ELECTRIC CO., 5, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Wincharger Corp., 5	E. 7th & Division Sts, Sioux City	Iowa
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED		

INDUSTRIES, INC., 5, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**
Zenith Radio Corp., 1-5	6001 Dickens Ave, Chicago 39	Ill

CONVERTERS *–SIGNAL*
1. A-M TO SINGLE SIDEBAND 2. MORSE TO TELETYPEWRITER 3. SHORTWAVE TO BROADCAST BAND 4. SHORTWAVE TO SHORTWAVE 5. SINGLE TO DOUBLE SIDEBAND 6. TELEMETERING, DATA INSERTION 7. TELEMETERING, PDM TO PAM 8. TIME TO AMPLITUDE 9. UHF TO VHF TV 10. WIDEBAND TO NARROW BAND

Adler Electronics, Inc., 9	1 Lefevre Ln, New Rochelle	NY
American Bosch Arma Corp., 6-7-8	320 Fulton Ave, Hempstead	NY
American Electronics Co., 3-4	178 Herricks Rd, Mineola	NY
Antennavision, Inc., 3-4-9	2949 W. Osborn Rd, Phoenix	Ariz
APPLIED ELECTRONICS CORP OF N.J., 6-7, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
APPLIED RESEARCH, INC., 9-10, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Arnoux Corp., 6-7	11924 W. Washington Blvd, L.A. 66	Cal
Ascop Div., Electro-Mechanical Research, Inc., 6-7	P.O. Box 44, Princeton	NJ
Benco Television Associates, Ltd., 9	27 Taber Rd, Rexdale, Ontario, Canada	
Bendix-Pacific Div., Bendix Aviation, 6	11600 Sherman Way, North Hollywood	Cal
Blonder-Tongue Laboratories, Inc., 9	Dept EBG, 9 Alling St, Newark 2	NJ
CG Electronics Corp., 6-7-8-9	15000 Central E., Albuquerque	NM
C.G.S. Labs., Inc., 2	Rt 7, Wilton	Conn
Cadre Industries Corp., 1-5	P.O. Box 150, Endicott	NY
CLEGG LABS., DIV., CLEGG, INC., 5, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Consolidated Avionics Corp., 6-7	800 Shames Dr, Westbury	NY
Cook Technological Center, 6	6401 Oakton St, Morton Grove	Ill
CROSBY TELECTRONIC LAB., INC., 1, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Data-Control Systems, Inc., 6-7	39 Rose St, Danbury	Conn
Dorsett Electronics Labs., Inc., 6-7	119 W. Boyd St, Norman	Okla
Electro Instruments, Inc., 8	3540 Aero Ct, San Diego	Cal
Electro-Mechanical Research, Inc., 6-7	P.O. Box 3041, Sarasota	Fla
Electro Voice, Inc., 4	Buchanan	Mich
Engineered Electronics Co., 8	1441 E. Chestnut Ave, Santa Ana	Cal
Epsco, Inc., Systems Div., 6-7-8	275 Massachusetts Ave, Cambridge 39	Mass
GATES RADIO CO., 4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 6-7-8-10, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gonset Div., Young Spring & Wire Corp., 3	801 S. Main St, Burbank	Cal
Granco Products, Inc., 9	83-30 Kew Gardens Rd, Kew Gardens	NY
Gulton Industries, Inc., 6-8	212 Durham Ave, Metuchen	NJ
Hallamore Electronics Co., 6	714 N. Brookhurst Ave, Anaheim	Cal
Heath Co., A Sub of Daystrom, Inc., 1	Benton Harbor	Mich
I.D.E.A., Inc., 3-9	7900 Pendleton Pike, Indianapolis 26	Ind
ITT Laboratories, 1	500 Washington Ave, Nutley 10	NJ
Intercontinental Electronics, 9	1551 Franklin Ave, Mineola	NY
International Crystal Mfg. Co., Inc., 4	18 N. Lee, Oklahoma City	Okla
JERROLD ELECTRONICS CORP., 9, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Kauke & Co., Inc., 7	1632 Euclid St, Santa Monica	Cal
Lear, Inc., 1-6-7-8	3171 S. Bundy Dr, Santa Monica	Cal
Litton Industries, Maryland Div., 6-7	4900 Calvert Rd, College Park	Md
Mallory & Co., Inc., P.R., 1	34 S. Gray St, Indianapolis 6	Ind
Marquardt Corp., Pomona Div., 6	2709 N. Garey Ave, Pomona	Cal
Microwave Development Labs. Inc., 10	92 Broad St, Babson Park 57	Mass
Milgo Electronic Corp., 6	7620 N.W. 36th Ave, Miami 47	Fla
Model Engineering & Mfg., Inc., 1	Huntington	Ind
Morrow Radio Mfg. Co., 3	2794 Market St, Salem	Ore
NORTHERN RADIO CO., INC., 6, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Otis Elevator Co., 2-7	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics, 6-7	8345 Hayvenhurst Ave, Sepulveda	Cal
PARSONS CO., RALPH M., ELECTRONICS DIV., 6-7, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Radiation, Inc., 7	Melbourne	Fla
Radio Engineering Labs., Inc., 1	29-01 Borden Ave, Long Island City 1	NY
Space Electronics Corp., 6-8	930 Air Way, Glendale 1	Cal
Tapetone, Inc., 4	Box 46, Webster	Mass
TELECHROME MFG. CORP., 1-2-5-6, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 6-7	915 N. Citrus Ave, Hollywood	Cal
Temco Electronics Div., Temco Aircraft Corp., 6-8	P.O. Box 6191, Dallas 22	Tex
United Electrodynamics, Inc., 6-7	200 Allendale Rd, Pasadena	Cal
VARO MFG. CO., INC., 6, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wang Laboratories, Inc., 2-6	12 Huron Dr, Natick	Mass
Westrex Corp., Div., Litton Industries, 1-2-5-10	540 W. 58 St, New York 19	NY

COOLANTS *–DIELECTRIC LIQUID*

Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Minnesota Mining & Mfg. Co., Chemical Div.	900 Bush Ave, St. Paul 6	Minn

COOLING UNITS
1. CIRCULATING LIQUID 2. EVAPORATIVE-INFRARED DETECTOR See INFRARED DEVICES *3. REFRIGERATOR-TYPE 4. THERMOELECTRIC 5. TUBE (Incl. HEAT-RADIATING SHIELDS) 6. FIN TYPE* See Also BLOWERS; CRYOSTATS; HEAT EXCHANGERS; LOUVERS; SINKS *–HEAT*

Airflow Co., 1-2-3	400 S. Stonestreet Ave, Rockville	Md
Airtronics International Corp., 1	P.O. Box 8576, Fort Lauderdale	Fla
American Electronics, Inc., Ground Support Div., 1-3	2112 N. Chico Ave, El Monte	Cal
AMERICAN-STANDARD INDUSTRIAL DIV., 5, Adv Pg 128	**Detroit 32**	**Mich**
ASSOCIATED TESTING LABS., INC., 1-3, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
AUGAT BROS., INC., 5, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Bar-Ray Products, Inc., 1-3	213 25 St, Brooklyn 32	NY
BIRTCHER CORP., 5-6, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Blue M Electric Co., 3	138 & Chatham, Blue Island	Ill
Bud Radio, Inc., 5	2118 E. 55th St, Cleveland 3	Ohio
Budd Lewyt Electronics, Inc., 1-2-3-4-5	43-22 Queens St, Long Island City 1	NY
Dunham-Bush, Inc., 1-2-3	179 South St, W. Hartford	Conn
EASTERN INDUSTRIES, INC., 1-2-3-5, Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
EITEL-McCULLOUGH, INC., 5, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRO IMPULSE LAB., INC., 1, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Garrett Corp., The, 1-2-3-4-5	9851 Sepulveda Blvd, Los Angeles 45	Cal
HALLICRAFTERS CO., 1-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hicks Corp., 1-2-3-5	1671 Hyde Park Ave, Hyde Park	Mass
Hull Corp., 1	Davisville Rd, Hatboro	Pa
Huyck Systems Co., 1-2-3	360 Wolf Hill Rd, Huntington Sta	NY
International Electronic Research Corp., 5-6	135 W. Magnolia Blvd, Burbank	Cal
Lear-Romec Div., Lear, Inc., 1-2-3	Abbe Rd, Elyria	Ohio
Materials Electronic Products Corp., 4	990 Spruce St, Trenton	NJ
Miller Co., L. C., 5	5005 E. Slauson Ave, L A 22	Cal
Murphy & Miller, Inc., 1-3	612 W. Taylor St, Chicago 7	Ill
Northern Research & Engineering Corp., 1-2-3-4-5	238 Main St, Cambridge 42	Mass
OPAD ELECTRIC CO., 4, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Pesco Products Div., Borg-Warner Corp., 1	24700 N. Miles Rd, Bedford	Ohio
Pioneer Industries Div., Almar-York Co., Inc., 1-2-3-4	3455 W. Vickery, Fort Worth 7	Tex
Precision Scientific Co., 1	3737 W. Cortland, Chicago 47	Ill
Pro-Chem, Inc., 1	1571 Merwin Ave, Cleveland 13	Ohio
Ready-Power Co., 1	11231 Freud Ave, Detroit 14	Mich
RELCO PRODUCTS, 6, Adv Pg 565	**Box 8327, University Park Sta, Denver 10**	**Colo**
Research, Inc., 1	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Schuyler Mfg. Corp., 5	84 Porete Ave, North Arlington	NJ
Sel-Rex Corp., 1-5	75 River Rd, Nutley 10	NJ
SIERRA ELECTRONIC CORP., 1, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
STANDARD CABINET CO., INC., 1-3, Adv Pg 468	**57 Washington Ave, Carlstadt**	**NJ**
Stratocon Corp., 4	P.O. Box 10, Morristown	NJ
Task Corp., 3	1007 E. Vermont, Anaheim	Cal
TENNEY ENGINEERING, INC., 2-3, Adv Pg 102	**1090 Springfield Rd, Union**	**NJ**
United Aircraft Products Inc., 1-2-3-4-5	1116 Bolander Ave, Dayton 1	Ohio
United Mfg. Co., Div., W.L. Maxson Corp., 1-3	41 Haig St, Hamden 14	Conn
Wakefield Engineering, Inc., 6	9 Broadway, Wakefield	Mass
WESTERN DEVICES, INC., 3, Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
Westrex Corp., Div., Litton Industries, 5	540 W. 58 St, New York 19	NY

COORDINATE-TRANSFORM RESOLVERS See RESOLVERS *–COMPUTING*

COPPER
1. BARS & RODS 2. FOIL 3. SHEET 4. STRIP-TUBING: See TUBING – METALLIC-WIRE: See WIRE *–BARE*

Alloys Unlimited, Inc., 2-4	21-03 43rd Ave, Long Island City 1	NY
American Silver Co., Inc., 2-4	36-07 Prince St, Flushing 54	NY
Anaconda American Brass Co., 1-3-4	414 Meadow St, Waterbury 20	Conn
Anchor Metal Co., The, 2	966 Meeker Ave, Brooklyn 22	NY
Bram Metallurgical Chemical Co., 1-2-3-4	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1-3-4	30 Grand St, Bridgeport	Conn
Bristol Brass Co., 1-3-4	580 Broad St, Bristol	Conn
Chase Brass & Copper Co., Inc., 1-3-4	236 Grand St, Waterbury 20	Conn
Cleveland Graphite Bronze Div., Clevite, 2	17000 St. Clair Ave, Cleveland 10	Ohio
Composite Industrial Metals, Inc., 2	235 Georgia Ave, Providence 5	RI
Eaton Mfg. Co., Reliance Div., 1	25 Charles Ave S.E., Massillon	Ohio
Engelhard Industries, Inc., 2	113 Astor St, Newark 2	NJ
Hamilton Watch Co., Prec. Metals Div., 1-2-3-4	Lancaster	Pa
LEACH & GARNER CO., INDUSTRIAL DIV., 1-2-3-4, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY
PHELPS DODGE COPPER PRODUCTS CORP., 1-4, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Revere Copper & Brass, Inc., 1-2-3-4	230 Park Ave, New York 17	NY
Rome Cable Div of Alcoa, 1	Ridge St, Rome	NY
Semi-Alloys, Inc., 1-2-3-4	550 S. Fulton Ave, Mt. Vernon	NY
Somers Brass Co., 4	94 Baldwin Ave, Waterbury	Conn
Standard Metals Corp., 2-3-4	Broad & Whiting St, North Attleboro	Mass
Steel Heddle Mfg. Co., 4	2100 W. Allegheny Ave, Philadelphia 32	Pa
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 2-3-4, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Var-Lac-Oid Chemical Co., 2-4	116 Broad St, New York 4	NY

COPPER *–BERYLLIUM* See BERYLLIUM COPPER
COPPER-CLAD BOARDS See LAMINATES
COPPER-OXIDE RECTIFIERS See RECTIFIERS
COPPER SULFIDE RECTIFIERS See RECTIFIERS
COPYING MACHINES See MACHINES *–COPYING*
CORDIERITE See CERAMICS

CORDS *–DIAL*

ALPHA WIRE CORP., Adv Pg 266	**200 Varick St, New York 14**	**NY**
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
General Insulated Wire Works, Inc	69 Gordon Ave, Providence 5	RI
GUDEBROD BROS SILK CO., INC., ELECTRONICS DIV., Adv Pg 447	**225 W. 34th St, New York 1**	**NY**
Kellogg Switchboard & Supply Co.	6650 S. Cicero Ave, Chicago 39	Ill
New England Electrical Works, Inc	365 Main St, Lisbon	NH

CORDS *–LACING (Incl. RIBBON & TAPE)*

BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
GUDEBROD BROS SILK CO., INC., ELECTRONICS DIV., Adv Pg 447	**225 W. 34th St, New York 1**	**NY**
Heminway & Bartlett Mfg. Co.	500 Fifth Ave, New York 36	NY
Narrow Fabric Co	Reading	Pa
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Warren Wire Co.	Pownal	Vt

CORDS *–LINE*
1. WITH PLUG (OTHER END STRIPPED) 2. WITH PLUG & RECEPTACLE (CORD SET) 3. WITH VOLTAGE-DROPPING RESISTANCE See Also WIRE *–LINE CORD*

ALDEN PRODUCTS CO., 1-2-3, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Alden Systems, Inc., 2	Alden Research Center, Westboro	Mass
American Electric Cable Co., 1-2	183 Appleton St, Holyoke	Mass
Ampco Mfg. Co., 3	246 E. 2nd St, Plainfield	NJ
Apex Wire & Cable Corp., 1-2	237 37 St, Brooklyn 32	NY
Beckley Electric Co., 1-2	466 Grand Ave, Brooklyn	NY
BIRNBACH RADIO CO., INC., 1-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Cable Electric Products, 1-2-3	234 Daboll St, Providence	RI
Carol Cable Div., Crescent Co., Inc., 1-2	20 Central Ave, Pawtucket	RI
Circle Mfg. Co., 1-2	722 Monmouth St, Trenton 4	NJ
Columbia Wire & Supply Co., 1-2-3	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2-3	1635 S. Clinton St, Chicago 16	Ill
Cordo (Canada) Ltd., 1-2	149 Sterling Rd, Toronto 3, Ontario, Canada	
Cords Ltd., Div., 1-2	121 Dodge Ave, Dekalb	Ill
Cornish Wire Co., 1-2	50 Church St, New York 7	NY
Eagle Electric Mfg. Co., Inc., 1-2	23-10 Bridge Plaza S., L.I. City	NY
Electricord Mfg. Co., 1-2	2554 E. 18th St, Brooklyn	NY
Electronic Cable Corp., 1	126 Jackson St, Cambridge 40	Mass
Empire Electronics Co., Inc., 1-2	60 Spruce St, Paterson 1	NJ

Fedtro, Inc., 2	Fed Electr Bldg, Rockville Centre	NY
G-C ELECTRONICS CO., 1-2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GATES RADIO CO., 1-2-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Insulated Wire Works, Inc., 1-2-3	69 Gordon Ave, Providence 5	RI
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
Hi-Lo Mfg. Corp., 1-2	1122 W. Newport Ave, Chicago 13	Ill
Holyoke Wire & Cable Corp., 1-2-3	720 Main St, Holyoke	Mass
J.F.D. ELECTRONICS CORP., 2-3, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
KINGS ELECTRONICS CO., INC., 2, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kulka Electric Corp., 1-2	633 S. Fulton Ave, Mt. Vernon	NY
Leviton Mfg. Co., Inc., 1-2	236 Greenpoint Ave, Brooklyn 22	NY
Miller Electric Co., 1-2	120 Main St, Pawtucket	RI
Pacific Electricord Co., 1-2	3217 Exposition Pl, Los Angeles 18	Cal
Permonite Mfg. Co., 1-2	910 W. Jackson Blvd, Chicago 7	Ill
Phalo Plastics Corp., 1-2-3	530 Boston Tmpk, Shrewsbury	Mass
Plastic Wire & Cable Corp., 1-2	Jewett City	Conn
Rego Insulated Wire Co., 1-2	830 Monroe St, Hoboken	NJ
Roanwell Corp., 1-2	180 Varick St, New York 14	NY
Robins Industries Corp., 1	36-27 Prince St, Flushing 54	NY
Royal Electric Corp., 1-2	95 Grand Ave, Pawtucket	RI
Sierra Electric Corp., 1-2	15100 S. Figueroa St, Gardena	Cal
Smith, Inc., Herman H., 1-2	2326 Nostrand Ave, Brooklyn 10	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Topper Mfg. Co., Inc., 1-2	84-56 Parsons Blvd, Jamacia 32	NY
Tricraft Products Corp., 1-2	1124 W. Newport Ave, Chicago 13	Ill
UCINITE CO., DIV., UCC, 1-2-3, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Instrument Corp., 1-2	P.O. Box 1191, Charlottesville	Va
Victor Electric Wire & Cable Corp., 1-2	618 Main St, West Warwick	RI
Whitaker Cable Corp., 1-2	Kansas City 16	Mo
Whitney Blake Co., 1-2	97 Pershing St, New Haven 14	Conn

CORDS —*PATCH*

ADC, INC., Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co	P.O. Box 31, Lancaster	Cal
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
ASSOCIATED ENGINEERING CORP., Adv Pg 548	**65 Kent St, Brookline 46**	**Mass**
AUDIOSEARS CORP., Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
Beckley Electric Co	466 Grand Ave, Brooklyn	NY
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
Cable Electric Products	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Component Mfg. Service, Inc	West Bridgewater	Mass
Electronic Associates, Inc	Long Branch	NJ
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Empire Electronics Co., Inc	60 Spruce St, Paterson 1	NJ
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Patton-MacGuyer Co	17 Virginia Ave, Providence 5	RI
Phalo Plastics Corp	530 Boston Tmpk, Shrewsbury	Mass
Plastic Wire & Cable Corp	Jewett City	Conn
Pomona Electronics Co., Inc	1126 W. Fifth Ave, Pomona	Cal
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Runzel Cord & Wire Co	4723 W. Montrose Ave, Chicago 41	Ill
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Telephonics Corp	Park Ave, Huntington	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Trimm, Inc	400 W. Lake St, Libertyville	Ill
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Fabricators Electronics, Inc	Stillwater	Minn
VECTOR ELECTRONIC CO., Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC

CORDS —*RETRACTILE*

AUDIOSEARS CORP., Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Cordo (Canada) Ltd	149 Sterling Rd, Toronto 3, Ontario, Canada	
Cords Ltd., Div	121 Dodge Ave, Dekalb	Ill
Cornish Wire Co	50 Church St, New York 7	NY
General Insulated Wire Works, Inc	69 Gordon Ave, Providence 5	RI
Koiled Kords Div., Whitney Blake Co	97 Pershing St, New Haven 14	Conn
Miller Electric Co	120 Main St, Pawtucket	RI
Pacific Electricord Co	3217 Exposition Pl, Los Angeles 18	Cal
Plastic Wire & Cable Corp	Jewett City	Conn
Trimm, Inc	400 W. Lake St, Libertyville	Ill
U.S. Instrument Corp	P.O. Box 1191, Charlottesville	Va
Whitney Blake Co	97 Pershing St, New Haven 14	Conn

CORE FRAMES —*MEMORY* See **FRAMES** —*MEMORY*
CORE HANDLERS See **MACHINES** —*MEMORY-CORE HANDLER*
CORE PLANES See **MEMORIES** —*COMPUTER*

CORES —*DELAY-LINE (Incl. METALLIZED)*

Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Culbertson Products, Inc	25 Samson Ave, Madison	NJ
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Mitronics, Inc	1290 Central Ave, Hillside	NJ
Patton-MacGuyer Co	17 Virginia Ave, Providence 5	RI

CORES —*LAMINATED*
1. C-TYPE 2. E-TYPE 3. FOIL-WOUND 4. HIGH-PERMEABILITY 5. SOLENOID & RELAY 6. TAPE-WOUND 7. TOROIDAL

ALDEN PRODUCTS CO., 7, Adv Pg 423	**112 N. Main St, Brockton 65**	**Mass**
ARNOLD ENGINEERING CO., 1-2-3-4-6-7, Adv Pg, 228	**P.O. Box G, Marengo**	**Ill**
Burroughs Corp Electronic Tube Div., 6	P.O. Box 1226, Plainfield	NJ
Carstedt Research, Inc., 6-7	2501 E. 68th St, Long Beach 5	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 2, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Electro Devices, Inc., 7	580 Main St, Wilmington	Mass
Electro Networks, Inc., 7	P.O. Box 424, Syracuse	NY
Ferricore, Inc., 4-7	250 South St, Newark 5	NJ
G-L Electronics Co., Inc., 4-6-7	2921 Admiral Wilson Blvd, Camden 5	NJ
Hamilton Watch Co., Industrial Div., 3-7	Lancaster	Pa
Magnetic Metals Co., 4-6	Hayes Ave at 21 St, Camden	NJ
Magnetic Specialties, Inc., 7	P.O. Box 476, Trenton 3	NJ
MAGNETICS, INC., 4-6-7, Adv Pg 323	**Butler**	**Pa**
MOLONEY ELECTRIC CO., 1-2-6-7, Adv. Pgs. 258, 259	**5390 Bircher Blvd, St. Louis 20**	**Mo**
MYCALEX CORP. OF AMERICA, 7, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
Ross Co., Milton, 2-6-7	239 Jacksonville Rd, Hatboro	Pa
Sangamo Electric Co., 7	1201 N. 11 St, Springfield	Ill
Servomechanisms, Inc., 1-2-7	12500 Aviation Blvd, Hawthorne	Cal
Standard Electronics Div., Reeves Instrument Corp., 1-2-7	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2-3-4-5-6-7	63 Aldwych, London W. C. 2	England
THOMAS & SKINNER, INC., 1-2-6-7, Adv Pg 532	**1122 E. 23rd St, Indianapolis 5**	**Ind**
WESTINGHOUSE ELECTRIC CORP., 1-2-4-6-7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

CORES —*MOLDED MAGNETIC*
1. CERAMIC 2. CUP 3. FERRITE, FOR COILS 4. FERRITE, FOR MEMORIES 5. FERRITE, FOR DEFLECTION YOKES 6. POWDERED IRON 7. SLUG TUNING UNITS 8. TOROIDAL

ALDEN PRODUCTS CO., 8, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allen-Bradley Co., 2-3-5	136 W. Greenfield Ave, Milwaukee 4	Wisc
ARNOLD ENGINEERING CO., 2-6-7-8, Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Colber Corp., The, 7	26 Buffington St, Irvington	NJ
Connolly & Co., Wallace E., 8	P.O. Box 295, Menlo Park	Cal
CUSTOM COMPONENTS, INC., 2-3-6-7-8, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
Data Equipment Co., 4	923 E. 3rd St, Los Angeles 13	Cal
Electrical Refractories Co., 1	50 Clark St, E. Palestine	Ohio
Electro Devices, Inc., 8	580 Main St, Wilmington	Mass
Electro Networks, Inc., 8	P.O. Box 424, Syracuse	NY
Fair-Rite Products Corp., 3	Wallkill	NY
Ferricore, Inc., 2-3-6-7-8	250 South St, Newark 5	NJ
FERROXCUBE CORP OF AMERICA, 1-2-3-4-5-7-8, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1-2-3-4-5-7-8, Adv Pg 471	**Keasbey**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 3	Court St, Syracuse	NY
Intercontinental Electronics, 3	1551 Franklin Ave, Mineola	NY
Isolantite Mfg. Corp., 1	Stirling	NJ
KEARFOTT DIV., GEN PRECISION, INC., 1-3-4-5, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kirchberger & Co., Inc., M., 1	248 Humphrey St, Englewood	NJ
KRYSTINEL CORP., 2-3-7-8, Adv Pg 555	**Fox Island Rd, Port Chester**	**NY**
Lockheed Electronics Co., Avionics & Ind Products Div., 1-3-4-5	Randolph St, Los Angeles	Cal
Magnetic Core Corp., 2-3-6-7-8	John & Lawrence Sts, Newburgh	NY
MAGNETICS, INC., 8, Adv Pg 323	**Butler**	**Pa**
Materials for Electronics, Inc., 1	152-25 138 Ave, Jamaica 34	NY
MULLARD OVERSEAS, LTD., 3-4-5-8, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
MYCALEX CORP. OF AMERICA, 1, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Moldite Co., 2-3-6-7-8	250 South St, Newark 5	NJ
Norton Co., 1	1 New Bond St, Worcester 6	Mass
POLYMER CORP., 6-7-8, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Pyroferric Co., Inc., 2-6-7-8	621 E. 216 St, New York 67	NY
Q. O. S. Corp., 2-6-8	621 E. 216th St, New York 67	NY
Quality Components, Inc., 6-7-8	St. Marys	Pa
RADIO CORES, INC., 2-7-8, Adv Pg 356	**9540 Tulley Ave, Oak Lawn**	**Ill**
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., 1-4, Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Sangamo Electric Co., 8	1201 N. 11 St, Springfield	Ill
Servomechanisms, Inc., 1-8	12500 Aviation Blvd, Hawthorne	Cal
Stackpole Carbon Co., 2-3-5-7-8	201 Stackpole St, St. Marys	Pa
Standard Telephones & Cables, Ltd., 3-4-5-6-8	63 Aldwych, London W. C. 2	England
Steward Mfg. Co., D.M., 1-2-3-5-8	3600 Jerrome Ave, Chattanooga 1	Tenn
Superex Electronics Corp., 3-6-7	4-6 Radford Pl, Yonkers	NY
SUPERIOR STEATITE & CERAMIC CORP., 1, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Telemeter Magnetics, Inc., 4	P.O. Box 329, Culver City	Cal
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
U.S. Graphite Co., Div., The Wickes Corp., 6	Saginaw 32	Mich
WATERS MANUFACTURING, INC., 3, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**

CORE TESTERS See **TESTERS** —*MEMORY CORE*
CORNERS —*WAVEGUIDE* See **BENDS**
CORROSION INHIBITORS See **PACKAGING MATERIALS** —*CORROSION INHIBITING*
CORRUGATED CARDBOARD See **PACKAGING MATERIALS**
COTTON FIBERS See **FIBERS**
COUNTERMEASURE RECEIVERS See **RECEIVERS** —*SEARCH & COUNTERMEASURE*
COUNTERMEASURE TRANSMITTERS See **TRANSMITTERS** —*JAMMING & COUNTERMEASURE*
COUNTER READOUT CONVERTERS See **CONVERTERS** —*COUNTER*

COUNTERS —*ELECTROMAGNETIC*
1. DIRECT-READING 2. PRINT-OUT

AEG, 1-2	Hochhaus Sued, Frankfurt/Main, Germany	
Abrams Instrument Corp., 1	606 E. Shiawassee, Lansing	Mich
AMERAC, INC., 1, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Hydromath Corp., 1	24-20 Jackson Ave, Long Island City 1	NY
Ardwin Microlab Inc., 1-2	21 Spencer St, Stoneham 80	Mass
BAIRD-ATOMIC, INC., 1-2, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bill Jack Scientific Instrument Co., 1	Dept. EBG, 143 S. Cedros, Solona Beach	Cal
BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Chrono-Log Corp., 2	P.O. Box 4587, Philadelphia 31	Pa
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Control Devices, Inc., 1	925 S. Eton Rd, Birmingham	Mich
Cramer Controls Corp., 1	P.O. Box 13, Centerbrook	Conn
Daco Instrument Co., 1	Tillary & Prince, Brooklyn 1	NY
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal

Digitran Co., 1	660 S. Arroyo Pkwy, Pasadena	Cal
Durant Mfg. Co., 1	1912-A N. Buffum St, Milwaukee 1	Wisc
Electric Tachometer Corp., 1	68 & Upland Sts, Philadelphia	Pa
Erie-Pacific Div of Erie Resistor Corp., 1-2	12932 S. Weber Way, Hawthorne	Cal
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
General Controls Co., 1	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gordon Enterprises, 1	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Grason-Stadler Corp., 2	Electronics Park, West Concord	Mass
Haydon Co., A.W., The, 1-2	238 N. Elm St, Waterbury	Conn
Haydon Instrument Co., 1-2	165 W. Liberty St, Waterbury	Conn
Heller Roberts Mfg. Corp., 2	700 Jamaica Ave, Brooklyn 8	NY
HILLBURN ELECTRONIC PRODUCTS CO., 1, Adv Pg 564	**55 Nassau Ave, Brooklyn 22**	**NY**
ITT Laboratories, 1-2	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 1	129-07 18th Ave, College Point 56	NY
Intimex Corp., 1-2	Bonifant & Fenton Sts, Silver Spring	Md
Kellogg Switchboard & Supply Co., 1-2	6650 S. Cicero Ave, Chicago 39	Ill
Kinematic Systems, 1	41-11-49th St, Long Island City	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 1	80-08 45th Ave, Elmhurst 73	NY
Landis & Gyr, Inc., 1-2	45 W. 45 St, New York 36	NY
Lundy Mfg. Corp., 1	Robert Ln, Glen Head	NY
Mast Development Co., Inc., 1	2212 E. 12th St, Davenport 20	Iowa
Milgo Electronic Corp., 1-2	7620 N.W. 36th Ave, Miami 47	Fla
Mueller Laboratory	1052 N. Allen, Pasadena	Cal
North Electric Co., 1	553 S. Market St, Galion	Ohio
PENNWOOD NUMECHRON CO., 1, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
Performance Measurements Co., 1	15120 Third Ave, Detroit 3	Mich
Photocon Research Products, 1	421 N. Altadena Dr, Pasadena	Cal
Potter Aeronautical Corp., 1-2	Rt 22, Union	NJ
Presin Co., 1-2	2014 Broadway, Santa Monica	Cal
SIGMA INSTRUMENTS, INC., 1, Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Spectrol Electronics Corp., 1	1704 S. Del Mar, San Gabriel	Cal
Streeter-Amet Co., 1-2	Grayslake	Ill
Telecomputing Corp., 1	915 N. Citrus Ave, Hollywood	Cal
Transistor Electronics Corp., 1	3357 Republic Ave, Minneapolis 26	Minn
VEEDER-ROOT, INC., 1-2, Adv Pg 404	**Hartford 2**	**Conn**
Venner Electronics, Ltd., 2	Kingston By-Pass, New Malden	Eng
Victor Adding Machine Co., 2	3900 N. Rockwell St, Chicago 18	Ill
Voi-Shan Electronics, 1	13259 Sherman Way, North Hollywood	Cal
Wang Laboratories, Inc., 2	12 Huron Dr, Natick	Mass
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY

COUNTERS —*ELECTRONIC (NOT PHOTOELECTRIC: Incl. SCALERS)*
1. BINARY 2. BATTERY-OPERATED 3. DECADE 4. FREQUENCY 5. PREDETERMINED 6. PULSE OR IMPULSE

AC Electronics, Inc., 6	11725 Mississippi Ave, Los Angeles 25	Cal
Abacus, Inc., 1	3040 Overland Ave, Los Angeles 34	Cal
Abrams Instrument Corp., 5	606 E. Shiawassee, Lansing	Mich
ACCURATE INSTRUMENT CO., INC., 1-2-3-4, Adv Pg 545	**2422 Branard St, Houston 6**	**Tex**
AD-YU ELECTRONICS LAB., INC., 3, Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Aerotronic Associates, 3-4	P.O. Box 367, Contoocook	NH
Airmec Ltd., 3-4	High Wycombe, Buckinghamshire, England	
Airtronics, Inc., 1-2-3-4-5-6	5522 Dorsey Ln, Washington 16	DC
AMERAC, INC., 4, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
AMP, INC., 3-4-5-6, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
APPLIED ELECTRONICS CORP OF N.J., 1-3-4-6, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardwin Microlab Inc., 2-3-5-6	21 Spencer St, Stoneham 80	Mass
Atomic Accessories Inc., 3	811 W. Merrick Rd, Valley Stream	NY
Automation Management, Inc., 4-5-6	Westboro 2	Mass
BECKMAN/BERKELEY DIV., 2-3-4-5-6, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Benson-Lehner Corp., 1-3-6	1860 Franklin, Santa Monica	Cal
BOWMAR INSTRUMENT CORP., 1-3-6 Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Burroughs Corp Electronic Tube Div., 3-6	P. O. Box 1226, Plainfield	NJ
CBC ELECTRONICS CO., INC., 1-3-6, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CG Electronics Corp., 1-6	15000 Central E., Albuquerque	NM
C&K Components, Inc., 6	101-103 Morse St, Newton 58	Mass
California Computer Products, Inc., 1	8714 Cleta St, Downey	Cal
Chrono-Log Corp., 6	P.O. Box 4587, Philadelphia 31	Pa
Colorado Research Corp., 3	Broomfield	Colo
Computer Measurements Corp., 1-2-3-4-5-6	5528 Vineland Ave, North Hollywood	Cal
Consolidated Airborne Systems, 3-6	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 1-3-4-5-6	800 Shames Dr, Westbury	NY
Control Equipment Corp., 1-2-3-5-6	19 Kearney Rd, Needham Heights 94	Mass
Data Equipment Co., 1-2-3-4-5-6	923 E. 3rd St, Los Angeles 13	Cal
Data Products Co., Inc., 2-3-4	7320 Westmore Rd, Rockville	Md
Daystrom, Inc., Control Systems Div., 1	4455 Miramar Rd, La Jolla	Cal
Denson Electronics Corp., 4	P.O. Box 85, Rockville	Conn
Di An Controls, Inc., 1-3-5-6	40 Leon St, Boston 15	Mass
DIGITAL EQUIPMENT CORP., 1, Adv Pg 448	**Maynard**	**Mass**
Digital Instrument Labs., 3	152 S. Atlantic Blvd, Los Angeles	Cal
Digitran Co., 5-6	660 S. Arroyo Pkwy, Pasadena	Cal
Douglas Radio Labs., 1-3	176 Norfolk Ave, Boston 19	Mass
Durant Mfg. Co., 5-6	1912-A N. Buffum St, Milwaukee 1	Wisc
DYMEC, DIV., HEWLETT-PACKARD CO., 1-4-5-6, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Eberline Instrument Corp., 3	P.O. Box 279, Santa Fe	NM
Eldorado Electronics, 3-6	2821-10th St, Berkeley	Cal
Electrical Service Co., 5	1271 Mission St, San Francisco	Cal
Electro Instruments, Inc., 3-4-5-6	3540 Aero Ct, San Diego	Cal
Electro Precision Corp., 3-4-5	P.O. Box 669, Arkadelphia	Ark
ELECTRO-PULSE, INC., 4-5, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
ELECTRO SEAL CORP., 1-5-6, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Computer Co., Inc., 3-6	618 Maple St, Conshohocken	Pa
Electronic Counters, Inc., 1-2-3-4-5-6	155 Eileen Way, Syosset	NY
Electronic Engineering Co., 1	1601 E. Chestnut Ave, Santa Ana	Cal
Elesta Ltd., Electronic Control Appar, 3-4-5-6	Bad Ragaz, Switzerland	
Elomag Sprl, 2-6	2 Avenue Wellington, Brussels, Belgium	
Engineered Electronics Co., 1-3-4-5-6	1441 E. Chestnut Ave, Santa Ana	Cal
EPSCO, INC., EQUIPMENT DIV., 3, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Erie-Pacific Div of Erie Resistor Corp., 3-4-5-6	12932 S. Weber Way, Hawthorne	Cal
ERIE RESISTOR CORP., 1-3-4-5-6, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
ESCOTRONICS, 1, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
FREED TRANSFORMER CO., INC., 5-6, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
General Controls Co., 5	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 3	Court St, Syracuse	NY
General Measurements Co., Inc., 3	1108 Beacon St, Newton Highlands 61	Mass
General Nuclear Corp., 3-5-6	550 Fifth Ave, New York 28	NY
General Time Central Research Lab, 2-3-4-5-6	107 Lafayette St, New York 13	NY
Giannini Controls Corp., 1	1600 S. Mountain Ave, Duarte	Cal
Gyra Electronics Corp., 6	P.O. Box 184, La Grange	Ill
HALLICRAFTERS CO., 1, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hamner Electronics Co., Inc., 1-3-5-6	P.O. Box 531, Princeton	NJ
Haydon Co., A.W., The, 1-2-3-4-5-6	238 N. Elm St, Waterbury	Conn
Haydon Instrument Co., 6	165 W. Liberty St, Waterbury	Conn
HERMES ELECTRONICS CO., 1-3, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
HEWLETT-PACKARD CO., 3-4-5-6, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
HILLBURN ELECTRONIC PRODUCTS CO., 6, Adv Pg 564	**55 Nassau Ave, Brooklyn 22**	**NY**
Hoffman Co., H.L., 3-4	35 Old County Rd, Westbury	NY
Hunter Mfg. Co., 3-5-6	P.O. Box 153, Coralville Br, Iowa City	Iowa
I-L-S Instrument Div., The Meriam Instrument Co., 1-3-4-5-6	4525 W. 160th St, Cleveland 35	Ohio
ITT Laboratories, 1-2-3-4-5-6	500 Washington Ave, Nutley 10	NJ
Iconix, Inc., 3-4-5-6	945 Industrial, Palo Alto	Cal
Industrial Components, Inc., 5	P. O. Box 308, Beaverton	Ore
Kellogg Switchboard & Supply Co., 6	6650 S. Cicero Ave, Chicago 39	Ill
Landis & Gyr, Inc., 3-5-6	45 W. 45 St, New York 36	NY
LAVOIE LABORATORIES, INC., 4, Adv Pg 262	**Morganville**	**NJ**
Link Div., Gen. Precision, Inc., 1	Nowlan Rd, Hillcrest, Binghamton	NY
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 4, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
M. F. ELECTRONICS, 1, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
Machinery Electrification, Inc., 3-5	56 Hudson St, Northboro	Mass
Magnetics Research Co., 3-5	255 Grove St, White Plains	NY
Marstan Electronics Corp., 4	204 Babylon Trnpk, Roosevelt	NY
Mast Development Co., Inc., 5-6	2212 E. 12th St, Davenport 20	Iowa
Milgo Electronic Corp., 1-3	7620 N.W. 36th Ave, Miami 47	Fla
Mini-Rad, Inc., 1-3-6	7416-E Varna Ave, N. Hollywood	Cal
Morrow Radio Mfg. Co., 1-4-5-6	2794 Market St, Salem	Ore
NAVIGATION COMPUTER CORP., 1-3, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
NORTHEASTERN ENGINEERING, INC., 1-3-4-5, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Nuclear Chicago Corporation, 1-2-3-5-6	333 E. Howard St, Des Plaines	Ill
NUCLEAR ELECTRONICS CORP., 1-3-5, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Otis Elevator Co., 1	35 Ryerson St, Brooklyn 5	NY
Oxford Engineering Co., 3-5	47A River St, Wellesley Hills 81	Mass
Packard Bell Computer Corp., 1-3-4-5-6	1905 Armacost Ave, Los Angeles 25	Cal
Performance Measurements Co., 3-6	15120 Third Ave, Detroit 3	Mich
Philips' Gloeilampenfabrieken, N.V., 3	Eindhoven, Netherlands	
Photocon Research Products, 5	421 N. Altadena Dr, Pasadena	Cal
Post Electronic Products, 3-5	140 Elliott St, Beverly	Mass
Potter Aeronautical Corp., 1-3-4-5-6	Rt 22, Union	NJ
Production Research Corp., Sub of Radio Condenser Co., 4	Claremont Ave, Thornwood	NY
Racal Engineering, Ltd., 2-3-4-5	Western Rd, Bracknell, Berks, England	
Radiation Counter Labs., Inc., 1-3	5121 W. Grove St, Skokie	Ill
Radiation Instrument Devel Labs., 1-2-3-5-6	5737 S. Halsted St, Chicago 36	Ill
Rank Cintel Ltd., 1-2-3-4-6	Worsley Bridge Rd, London S.E. 26, England	
Ransom Research, Inc., 1-3-4-5-6	374 W. 8th St, Box 269, San Pedro	Cal
Resdel Engineering Corp., 5	330 S. Fair Oaks Ave, Pasadena	Cal
Rese Engineering Corp., 1	731 Arch St, Philadelphia 6	Pa
SIGMA INSTRUMENTS, INC., 6, Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Spencer Mfg. Co.	3701 Durrand Rd, Racine	Wisc
Standard Electric Time Co., 4	89 Logan St, Springfield	Mass
Streeter-Amet Co., 1-2-4-5-6	Grayslake	Ill
Systron Corp., 3-4-5-6	950 Galindo St, Concord	Cal
Technical Measurement Corp., 3-6	441 Washington Ave, North Haven	Conn
Telemeter Magnetics, Inc., 1	P.O. Box 329, Culver City	Cal
TEMPO INSTRUMENT, INC., Adv Pg 353	**Commercial St, Hicksville**	**NY**
Tenlo Research Corp., 1-3-5-6	9424 Lyndale Ave S., Minneapolis 20	Minn
Tracerlab, Inc., 3-6	1601 Trapelo Rd, Waltham 54	Mass
TRANSISTOR SPECIALTIES, INC., 3-4-5-6, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Trott Electronics, Inc., 1-3-5-6	412 Smith St, Rochester 8	NY
Tullamore Electronics Corp., 3-6	6055 S. Ashland Ave, Chicago 36	Ill
U. S. Nuclear Corp., 1-2-3-4-5-6	801 N. Lake St, Burbank	Cal
VEEDER-ROOT, INC., 2-3-5-6, Adv Pg 404	**Hartford 2**	**Conn**
Venner Electronics, Ltd., 1-2-3-4-5-6	Kingston By-Pass, New Malden	Eng
Victor Adding Machine Co., 3	3900 N. Rockwell St, Chicago 18	Ill
Vitro Corp of America, 1-3	261 Madison Ave, New York 16	NY
Voi-Shan Electronics, 6	13259 Sherman Way, North Hollywood	Cal
Walkirt Co., 1-3-4-5-6	141 W. Hazel St, Inglewood 3	Cal
Wang Laboratories, Inc., 1	12 Huron Dr, Natick	Mass
Western Apparatus Co., Div., Comptometer Corp., 6	5600 Jarvis Ave, Chicago 48	Ill
Westport Electric, 3-4-5	149 Lomita St, El Segundo	Cal

COUNTERS —*GEIGER* See COUNTERS —*NUCLEAR PARTICLE*

COUNTERS —*MECHANICAL*

AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Appalachian Electronic Instruments	812 W. Monroe Ave, Ronceverte	W. Va
Atronic Products, Inc	1 Bala Ave, Bala-Cynwyd	Pa
Automatic Timing & Controls, Inc	King of Prussia	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
CHICAGO DYNAMIC INDUSTRIES, INC., Adv Pg 395	**1725 Diversey Blvd, Chicago 14**	**Ill**
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Digitran Co.	660 S. Arroyo Pkwy, Pasadena	Cal
Durant Mfg. Co	1912-A N. Buffum St, Milwaukee 1	Wisc
Eagle Signal Co., A Div of the Gamewell Co	202 20th St, Moline	Ill

Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Exact Engineering & Mfg., Inc	P.O. Box 447, Oceanside	Cal
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
General Controls Co	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hagen Mfg. Co	104 Walnut St, Baraboo	Wisc
Haydon Instrument Co	165 W. Liberty St, Waterbury	Conn
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Intimex Corp	Bonifant & Fenton Sts, Silver Spring	Md
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co	6650 S. Cicero Ave, Chicago 39	Ill
Mast Development Co., Inc	2212 E. 12th St, Davenport 20	Iowa
Mechatrol Div., Servomechanisms, Inc	1200 Prospect Ave, Westbury	NY
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Photocon Research Products	421 N. Altandena Dr, Pasadena	Cal
Presin Co	2014 Broadway, Santa Monica	Cal
Secode Corp	555 Minnesota St, San Francisco 7	Cal
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Stevens Mfg. Co., George	6022 N. Rogers Ave, Chicago 46	Ill
Streeter-Amet Co	Grayslake	Ill
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
VEEDER-ROOT, INC., Adv Pg 404	**Hartford 2**	**Conn**
Venner Electronics, Ltd	Kingston By-Pass, New Malden	Eng
Voi-Shan Electronics	13259 Sherman Way, North Hollywood	Cal

COUNTERS —*NUCLEAR-PARTICLE*

1. ALPHA 2. BETA 3. GAMMA 4. NEUTRON 5. SCINTILLATION 6. PROPORTIONAL See Also CHAMBERS —*IONIZATION*

Airmec Ltd., 1-2-3	High Wycombe, Buckinghamshire, England	
AMPEREX ELECTRONIC CORP., 6, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
ANTON ELECTRONIC LABS., INC., 1-2-3-4-6, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Atomic Accessories Inc., 1-2-3-4-5	811 W. Merrick Rd, Valley Stream	NY
BJ Electronics, Borg-Warner Corp., 6	3300 Newport Ave, Santa Ana	Cal
BAIRD-ATOMIC, INC., 1-2-3-5, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
BOWMAR INSTRUMENT CORP., 6, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Computing Devices of Canada, Ltd., 5-6	P.O. Box 508, Ottawa, Ontario, Canada	
Eberline Instrument Corp., 1-2-3-4-5-6	805 Early St, Santa Fe	NM
Elomag Sprl, 3	2 Avenue Wellington, Brussels, Belgium	
General Electric Co., X-Ray Dept., 5	4855 Electric Ave, Milwaukee	Wisc
General Nuclear Corp., 5	550 Fifth Ave, New York 28	NY
Gyra-Electronics Corp., 5	P.O. Box 184, La Grange	Ill
Hamner Electronics Co., Inc., 1-2-3-4-5-6	P.O. Box 531, Princeton	NJ
HARSHAW CHEMICAL CO., 3-4-5, Adv Pg 50	**1954 E. 97th St, Cleveland 6**	**Ohio**
Heath Co., A Sub of Daystrom, Inc., 2-3	Benton Harbor	Mich
Hoffman Co., H.L., 1-2-3	35 Old County Rd, Westbury	NY
Hughes Microwave Components Div., 1	Florence & Teale, Culver City	Cal
ITT Laboratories, 1-2-3-4-5	500 Washington Ave, Nutley 10	NJ
ITT Laboratories, Components & Instrumentation Div., 1-2-3-4-5	3700 E. Pontiac St, Ft. Wayne	Ind
Interstate Electronics Corp., 3-5-6	707 E. Vermont Ave, Anaheim	Cal
Isomet Corp., 1-2-3-4-5	433 Commercial Ave, Palisades Park	NJ
Isotope Developments, Ltd., 1-2-3-4-5	Beenham Grange, Reading, Berks, England	
Kahl Scientific Instrument Corp., 1-2-3-5	332 S. Highland, El Cajon	Cal
Land-Air, Inc., 1-3-5	7444 W. Wilson Ave, Chicago 31	Ill
Landsverk Electrometer Co., 1-2-3-4	641 Sonora Ave, Glendale 1	Cal
Marsland Engineering, Ltd., 1-2-3-5	154 Victoria St S., Kitchener, Ontario, Canada	
Mullard Equipment, Ltd., 1-2	Torrington Pl, London W.C. 1, England	
Nuclear Chicago Corporation, 1-2-3-4-5	333 E. Howard St, Des Plaines	Ill
Nuclear Corp of America, 1-2-3-4-5	2 Richwood Pl, Denville	NJ
Nuclear Development Lab., 1-2-3-4	P.O. Box 7034, Kansas City	Mo
NUCLEAR ELECTRONICS CORP., 1-2-3-5, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Nuclear Measurements Corp., 1-2-3-5	2463 N. Arlington Ave, Indianapolis 18	Ind
Nucleonic Corp of America, 1-2-3-4-5	196 Degraw St, Brooklyn 31	NY
Ohmart Corp., 2-3-4-5	2236 Bogen St, Cincinnati	Ohio
Pacific Transducer Corp., 3	11836 W. Pico Blvd, Los Angeles 64	Cal
Philips Electronic Instruments, 5	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V., 1-2-3-5	Eindhoven, Netherlands	
Precision Radiation Instruments, 1-2-3-4-5	5810 S. Normandie, Los Angeles	Cal
Radiation Counter Labs., Inc., 1-2-3-4-5	5121 W. Grove St, Skokie	Ill
Radiation Instrument Devel Labs., 1-2-3-5	5737 S. Halsted St, Chicago 36	Ill
Reuter-Stokes Electronic Components, Inc., 3-4	2149 Hamilton Ave, Cleveland 14	Ohio
Smith-Florence, Inc., 2	4228 23rd W., Seattle	Wash
Strand Engineering Co., 4	1354 N. Main St, Ann Arbor	Mich
Technical Associates, 1-2-3-5	142 W. Providencia Ave, Burbank	Cal
Technical Measurement Corp., 1-2-3-5	441 Washington Ave, North Haven	Conn
Tracerlab, Inc., 1-2-3-4-5-6	1601 Trapelo Rd, Waltham 54	Mass
TRANSISTOR SPECIALTIES, INC., 5, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Tullamore Electronics Corp., 3-5	6055 S. Ashland Ave, Chicago 36	Ill
Twentieth Century Electronics, Ltd., Centronics Works, 1-2-3-4	King Henry's Dr, New Addington, Surrey	Eng
U. S. Nuclear Corp., 1-2-3-4-5	801 N. Lake St, Burbank	Cal
Universal Transistor Products Corp., 6	36 Sylvester St, Westbury	NY
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., 6, Adv. Pgs. 260,368	**5806 Hough Ave, Cleveland 3**	**Ohio**
WESTINGHOUSE ELECTRIC CORP., 6, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 2-3-4-5-6	P.O. Box 284, Elmira	NY
Wood Counter Laboratory N., 1-2-3-4-5-6	1525 E. 53 St, Chicago 15	Ill

COUNTERS —*PHOTOELECTRIC*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
BECKMAN/BERKELEY DIV., Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
Durant Mfg. Co	1912-A N. Buffum St, Milwaukee 1	Wisc
Electrical Service Co	1271 Mission St, San Francisco	Cal
Electronic Counters, Inc	155 Eileen Way, Syosset	NY
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
General Controls Co	801 Allen Ave, Glendale 1	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Iconix, Inc	945 Industrial, Palo Alto	Cal
Industrial Components, Inc	P. O. Box 308, Beaverton	Ore
Kinematic Systems	41-11-49th St, Long Island City	NY
Post Electronic Products	140 Elliott St, Beverly	Mass
Potter Aeronautical Corp	Rt 22, Union	NJ
Precision Radiation Instruments	5810 S. Normandie, Los Angeles	Cal
Presin Co	2014 Broadway, Santa Monica	Cal
Streeter-Amet Co	Grayslake	Ill
TRANSISTOR SPECIALTIES, INC., Adv Pg 497	**Terminal Dr, Plainview**	**NY**

COUNTERS —*PRESET* See COUNTERS —*ELECTRONIC, PREDETERMINED*

COUNTERS —*REVOLUTION*

Abrams Instrument Corp	606 E. Shiawassee, Lansing	Mich
Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
Airmec Ltd	High Wycombe, Buckinghamshire, England	
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Automatic Timing & Controls, Inc	King of Prussia	Pa
BECKMAN/BERKELEY DIV., Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Computer Measurements Corp	5528 Vineland Ave, North Hollywood	Cal
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Digitran Co	660 S. Arroyo Pkwy, Pasadena	Cal
Durant Mfg. Co	1912-A N. Buffum St, Milwaukee 1	Wisc
Eagle Signal Co., A Div of the Gamewell Co	202 20th St, Moline	Ill
Electronic Counters, Inc	155 Eileen Way, Syosset	NY
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
General Controls Co	801 Allen Ave, Glendale 1	Cal
Haydon Instrument Co	165 W. Liberty St, Waterbury	Conn
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Iconix, Inc	945 Industrial, Palo Alto	Cal
Potter Aeronautical Corp	Rt 22, Union	NJ
Presin Co	2014 Broadway, Santa Monica	Cal
Streeter-Amet Co	Grayslake	Ill

COUNTER TUBES See TUBES —*COUNTER*
COUNTING CONTROLS See CONTROLS —*COUNTING*
COUNTING-RATE METERS See METERS —*COUNTING-RATE*

COUPLERS —*DIRECTIONAL, MICROWAVE*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Amtron Corp	17 Felton St, Waltham	Mass
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bayly Engineering, Ltd	Hunt St, Ajax, Ontario, Canada	
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Caswell Electronics Corp	414 Queens Ln, San Jose 12	Cal
DEMORNAY-BONARDI, Adv Pgs 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
General Measurements Co., Inc	1108 Beacon St, Newton Highlands 61	Mass
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Graham Mfg. Co., Inc	470 Bridge St, East Greenwich	RI
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Design Corp	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

COUPLERS —*DIRECTIONAL TRANSMITTING ANTENNA, WITH PHASING UNITS*

Aircom, Inc	48 Cummington St, Boston	Mass
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bayly Engineering, Ltd	Hunt St, Ajax, Ontario, Canada	
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Gar Precision Parts, Inc	190 Henry St, Stamford	Conn
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Johnson Co., E.F	Waseca	Minn

JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LIECO, INC, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

COUPLERS —*RECEIVING*

1. ANTENNA (TWO ANTENNAS TO ONE SET) 2. RECEIVER (TWO OR MORE SETS TO ONE ANTENNA)

American Electronics Co., 1-2	178 Herricks Rd, Mineola	NY
Ampco Mfg. Co., 1-2	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Antennavision, Inc., 1-2	2949 W. Osborn Rd, Phoenix	Ariz
Antronic Corp., 2	2712 W. Montrose Ave, Chicago 18	Ill
Applied Technology, Inc., 2	930 Industrial Ave, Palo Alto	Cal
AUDIOTEX MFG. CO., 2, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Bence Television Associates, Ltd., 1-2	27 Taber Rd, Rexdale, Ontario, Canada	
Blonder-Tongue Laboratories, Inc., 1-2	Dept EBG, 9 Alling St, Newark 2	NJ
Bogart Mfg. Corp., 1-2	315 Seigel St, Brooklyn 6	NY
Brach Mfg. Corp., 1-2	200 Central Ave, Newark	NJ
CG Electronics Corp., 1-2	15000 Central E., Albuquerque	NM
C.G.S. Labs., Inc., 2	Rt 7, Wilton	Conn
Chance Vought Aircraft, Inc., 1-2	P.O. Box 5907, Dallas 22	Tex
Channel Master Co., 1-2	Ellenville	NY
Clear Beam Antenna Co., 1-2	21341 Roscoe Blvd, Canoga Park	Cal
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
Dorne & Margolin, Inc., 1-2	29 New York Ave, Westbury	NY
Dynamic Electronics, Capehart Corp., 1-2	87-46 123 St, Richmond Hill 18	NY
Eby Co., Hugh H., 1	4701 Germantown Ave, Philadelphia 44	Pa
ELECTRONIC SPECIALTY CO., 1, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
EMPIRE DEVICES PRODUCTS CORP., 1-2, Adv Pg 454	**Amsterdam**	**NY**
Entron, Inc., 1-2	4902 Lawrence St, Bladensburg	Md
Fedtro, Inc., 1-2	Fed Electr Bldg, Rockville Centre	NY
Frequency Standards, Div., Harvard Industries, Inc., 2	P.O. Box 504, Asbury Park	NJ
Granger Associates, 1-2	974 Commercial St, Palo Alto	Cal
Great Eastern Mfg. Co., 1-2	163 Remsen Ave, Brooklyn 12	NY
Intercontinental Electronics, 1-2	1551 Franklin Ave, Mineola	NY
J.F.D. ELECTRONICS CORP., 1-2, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Javex Electronics, 2	P.O. Box 646, Redlands	Cal
JERROLD ELECTRONICS CORP., 2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LEL Inc., 2	380 Oak St, Copiague	NY
Litton Industries, Maryland Div., 1	4900 Calvert Rd, College Park	Md
MAURY & ASSOCIATES, 1-2, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Melpar, Inc., 1	3000 Arlington Blvd, Falls Church	Va
Microphase Corp., 1-2	Box 1166, Greenwich	Conn
Mosley Electronics, Inc., 2	4610 N. Lindbergh, Bridgeton	Mo
NORTH HILLS ELECTRIC CO., INC., 1-2, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Rantec Corp., 1-2	23999 Ventura Blvd, Calabasas	Cal
Rego Insulated Wire Co., 1-2	830 Monroe St, Hoboken	NJ
Remington Rand Div., Sperry Rand Corp., 1	315 Park Ave S., New York 10	NY
Resdel Engineering Corp., 2	330 S. Fair Oaks Ave, Pasadena	Cal
Rohde & Schwarz, USA, Inc., 2	P.O. Box 275, Passaic	NJ
Standard Electronics Div., Reeves Instrument Corp., 1	Lakewood Rd, Farmingdale	NJ
Superex Electronics Corp., 1-2	4-6 Radford Pl, Yonkers	NY
TECHNICAL APPLIANCE CORP., 1-2, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TECHNICAL MATERIEL CORP., 1-2, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 1-2	P.O. Box 6191, Dallas 22	Tex
Trans-Tel Corp., 2	910 N. Orange Dr, Los Angeles 38	Cal
Vidaire Electronics Mfg. Corp., 1-2	44 Church St, Baldwin	NY
WALSCO ELECTRONICS MFG. CO., 1-2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Waveline, Inc., 1-2	P.O. Box 718, Caldwell	NJ
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Winegard Co., 1-2	3000 Scotten Blvd, Burlington	Iowa

COUPLINGS —*MICROWAVE*

Aircom, Inc	48 Cummington St, Boston	Mass
Aircraft Armaments, Inc	Cockeysville	Md
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
Chance Vought Aircraft, Inc	P.O. Box 5907, Dallas 22	Tex
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Goodyear Aircraft Corp	1210 Massillon Rd, Akron 15	Ohio
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
MAURY & ASSOCIATES, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
N.R.K. Mfg. & Engineering Co	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Temco Electronics Div., Temco Aircraft Corp	P.O. Box 6191, Dallas 22	Tex
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waltham Horological Corp	396 Lynway, Lynn	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ
Wiley Electronics, Div., Savage Industries	2045 W. Cheryl Dr, Phoenix	Ariz

COUPLINGS —*SHAFT*

1. FLEXIBLE 2. RIGID 3. UNIVERSAL JOINT

Accurate Electronics Corp., 1	Dept G, 169 Abbe Rd S., Elyria	Ohio
ACTON LABS, INC., 1, Adv Pg 222	**533 Main St, Acton**	**Mass**
Aircraft Radio Corp., 1	Boonton	NJ
Amatom Electronic Hardware Co., Inc., 1-2	88 Drake Ave, New Rochelle	NY
Barker & Williamson, 1-3	Canal & Beaver Sts, Bristol	Pa
Bart Labs & Design Inc., 1-2-3	125 Manchester Pl, Newark 4	NJ
Belmar Wheel & Machine Co., 2	1707 F St, Belmar	NJ
BIRNBACH RADIO CO., INC., 1-2, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bud Radio, Inc., 1	2118 E. 55th St, Cleveland 3	Ohio
CURTIS UNIVERSAL JOINT CO., 3, Adv Pg 467	**19 Birnie Ave, Springfield**	**Mass**
Dial Products Co., 1	19 Cottage St, Bayonne	NJ
Diamond Chain Co., Inc., 1	402 Kentucky Ave, Indianapolis 7	Ind
Fae Instrument Corp., 1-2-3	42-61 Hunter St, Long Island City 1	NY
FALCON MACHINE & TOOL CO., 3, Adv Pg 520	**207 Concord Trnpk, Cambridge**	**Mass**
FEDERAL SCREW PRODUCTS, INC., 2, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Flexonics Corp., 1	1417 S. 3rd Ave, Maywood	Ill
Ford Instrument Co., Div., Sperry Rand Corp., 1	31-10 Thomson Ave, Long Island City 1	NY
Formsprag Co., 1-2-3	26303 Hoover Rd, Warren	Mich
Fourdee, Inc., 1-3	704 W. Fairbanks Ave, Winter Park	Fla
Fulton Sylphon Div., Robertshaw-Fulton, 1	P.O. Box 400, Knoxville 1	Tenn
Guidance Controls Corp., 1	110 Duffy Ave, Hicksville	NY
Jan Hardware Mfg. Co., Inc., 1-2	38-01 Queens Blvd, Long Island City 1	NY
Johnson Co., E.F., 1-2	Waseca	Minn
Kinemotive Corp., 1	P.O. Box 386, Huntington Sta	NY
Kupfrian Mfg. Corp., 1-3	398 State St, Binghamton	NY
Lord Mfg. Co., 1	1635 W. 12th St, Erie	Pa
Microwave Development Labs. Inc., 2	92 Broad St, Babson Park 57	Mass
Millen Mfg. Co., James, 1-2-3	150 Exchange St, Malden	Mass
NATIONAL RADIO CO., 1-2, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Naugler Engineering, 1	19 Madison Ave, Beverly	Mass
Nilsen Mfg. Co., 1	22 N. Church, Addison	Ill
Precision Mechanisms Corp., 1	577 Newbridge Ave, East Meadow	NY
Reeves Instrument Corp., 1	Roosevelt Field, Garden City	NY
RENBRANDT, INC., 1, Adv Pg 486	**6 Parmelee St, Boston 18**	**Mass**
Smith, Inc., Herman H., 1-2	2326 Nostrand Ave, Brooklyn 10	NY
Stewart Corp., F.W., 1	4311 Ravenswood Ave, Chicago 13	Ill
TECHNOLOGY INSTRUMENT CORP., 1, Adv Pg 223	**533 Main St, Acton**	**Mass**
White Dental Mfg. Co., S.S., 1	10 E. 40 St, New York 16	NY
Wiggins Oil Tool Co., Inc., E.B., 1-2	3424 E. Olympic Blvd, Los Angeles 23	Cal

CROSSOVER NETWORKS *See* NETWORKS

CRUCIBLES —*SEMICONDUCTOR See* BOATS

CRYOSTATS —*LIQUID GAS*

DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
Linde Co., Div., UCC	270 Park Ave, New York 17	NY

CRYSTAL ANALYSIS EQUIPMENT

Electronic Service	201 Linden Ave, Verona	NJ
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**

CRYSTAL BLANKS —*UNMOUNTED (FOR TRANSDUCERS & FREQUENCY CONTROL)*

1. ADP 2. BARIUM TITANATE 3. QUARTZ 4. ROCHELLE SALT 5. TOURMALINE

AMERICAN LAVA CORP., 2, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Anderson Electronics, Inc., 3	1012 Chestnut Ave, Altoona	Pa
Bassett, Inc., Rex, 3	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bendix-Pacific Div., Bendix Aviation, 2	11600 Sherman Way, North Hollywood	Cal
BLILEY ELECTRIC CO., 3, Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
Breon Laboratories, 3	1520 Evergreen Rd, Williamsport	Pa
Bulova Watch Co., Inc., 3	40-06 62 St, Woodside 77	NY
CLARK CRYSTAL CO., 3-5, Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., 1-2-4, Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
Connolly & Co., Wallace E., 3	P.O. Box 295, Menlo Park	Cal
Dallons Semiconductors Div., 3	5066 Santa Monica, L.A 29	Cal
Delta Chemical Works, 2-3	21 W. 60th St, New York	NY
Engineered Electronics Co., 3	1441 E. Chestnut Ave, Santa Ana	Cal
General Crystal Co., Inc., 3	P. O. Box 9, Burlington	Wisc
Hoffman Co., P. R., 3	Carlisle	Pa
Isomet Corp., 1	433 Commercial Ave, Palisades Park	NJ
KNIGHTS CO., JAMES, 3, Adv Pg 17	**Sandwich**	**Ill**
Lewis Co., Inc., E.B., 3	11 Bragg St, East Hartford 8	Conn
McCOY ELECTRONICS CO., 3, Adv Pg 282	**Mt. Holly Springs**	**Pa**
Meller Co., Adolf, 3	P.O. Box 702, Providence 1	RI
Midland Mfg. Co., 3	3155 Fiberglas Rd, Kansas City 16	Kan

Monitor Products Co., 3	815 Fremont Ave, South Pasadena	Cal
NORTHERN ENGINEERING LABS., INC., 3, Adv Pg 554	**372 Wilmot Ave, Burlington**	**Wisc**
Pan-Electronics Corp	Box 404, Griffin	Ga
Precision Crystal Laboratory, 3	2223 Warwick Ave, Santa Monica	Cal
Premier Research Laboratories, Inc., 3-5	83 Seventh Ave, New York 11	NY
REEVES-HOFFMAN, DIV., 3, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Scientific Radio Products, Inc., 3-5	2303 W. 8th St, Loveland	Colo
SEMI-ELEMENTS, INC., 2-3-4-5, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
SHEROLD CRYSTALS, INC., 3, Adv Pg 544	**1510 McGee St, Kansas City**	**Mo**
Solar Mfg. Corp., 2	4553 Seville Ave, Los Angeles 58	Cal
Sprague Electric Co., 2	125 Marshall St, North Adams	Mass
Texas Crystals, 3	1000 Crystal Dr, Fort Myers	Fla
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
U.S. Sonics Corp., 2	625 McGrath Hwy, Somerville 45	Mass
VALPEY CRYSTAL CORP., 3-5, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Var-Lac-Oid Chemical Co., 2-5	116 Broad St, New York 4	NY

CRYSTAL CALIBRATORS See CALIBRATORS –*CRYSTAL*
CRYSTAL CARTRIDGES See PICKUPS –*PHONOGRAPH*
CRYSTAL-CUTTING MACHINES See MACHINES –*CRYSTAL-CUTTING*
CRYSTAL DIODES See DIODES –*CRYSTAL*
CRYSTAL-DIODE TESTERS See TESTERS –*CRYSTAL-DIODE*
CRYSTAL FILTERS See FILTERS
CRYSTAL-GROWING MACHINES See MACHINES –*SEMICONDUCTOR CRYSTAL PRODUCTION*
CRYSTAL HOLDERS *(Incl. DIODE)* See HOLDERS
CRYSTAL-MANUFACTURING MACHINES See MACHINES
CRYSTAL MIXERS See DIODES –*CRYSTAL*
CRYSTAL MOUNTS –*MICROWAVE* See MOUNTS –*CRYSTAL*
CRYSTAL OSCILLATORS See OSCILLATORS – R-F
CRYSTAL OVENS See OVENS –*CRYSTAL*
CRYSTAL PICKUPS See PICKUPS –*PHONOGRAPH*
CRYSTAL SOCKETS See SOCKETS

CRYSTALS –*GARNET YTTRIUM-IRON*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Linde Co., Div., UCC	270 Park Ave, New York 17	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MICROWAVE CHEMICAL LABORATORY, INC., Adv Pg 522	**282 7th Ave, New York 1**	**NY**
SEMI-ELEMENTS, INC., Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Trionics Corp	P. O. Box 548, Madison 1	Wisc
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CRYSTALS –*OPTICAL*

CLARK CRYSTAL CO., Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
Connecticut Instrument Corp	Route 7, Wilton	Conn
HARSHAW CHEMICAL CO., Adv Pg 50	**1954 E. 97th St, Cleveland 6**	**Ohio**
Isomet Corp	433 Commercial Ave, Palisades Park	NJ
KELLER, JR., HUGO, JEWELS, Adv Pg 486	**50 E. 42 St, New York 17**	**NY**
Linde Co., Div., UCC	270 Park Ave, New York 17	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MICROWAVE CHEMICAL LABORATORY, INC., Adv Pg 522	**282 7th Ave, New York 1**	**NY**
SEMI-ELEMENTS, INC., Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
VALPEY CRYSTAL CORP., Adv Pg 464	**1244 Highland St, Holliston**	**Mass**

CRYSTALS –*PIEZOELECTRIC. RAW*
1. ADP 2. BARIUM TITANATE 3. QUARTZ 4. ROCHELLE SALT 5. TOURMALINE

Anderson Electronics, Inc., 3	1012 Chestnut Ave, Altoona	Pa
Automation Industries, Inc., 2-3	3613 Aviation Blvd, Manhattan Beach	Cal
Bassett, Inc., Rex, 3	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bausch & Lomb, 3	61461 Bausch St, Rochester 2	NY
Bram Metallurgical Chemical Co., 2-3	820 65 Ave, Philadelphia 26	Pa
Breon Laboratories, 3	1520 Evergreen Rd, Williamsport	Pa
Bulova Watch Co., Inc., 3	40-06 62 St, Woodside 77	NY
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., 1-2-4, Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
CLOSE ASSOCIATES, INC., 3, Adv Pg 554	**233 Broadway, New York 7**	**NY**
Dallons Semiconductors Div., 3	5066 Santa Monica, L A 29	Cal
Delta Chemical Works, 2-3	21 W. 60th St, New York	NY
Diamond Drill Carbon Co., 3	244 Madison Ave, New York 16	NY
Edo Corp., 1-2	College Point 56	NY
Eidson Electronic Co., 3	1902 N. Third St, Temple	Tex
Electro-Ceramics, Inc., 2	120 State St, New Haven	Conn
General Electric Co., Heavy Military Electronics Dept., 2	Court St, Syracuse	NY
Hoffman Co., P. R., 3	Carlisle	Pa
Isomet Corp., 1	433 Commercial Ave, Palisades Park	NJ
KNIGHTS CO., JAMES, 3, Adv Pg 17	**Sandwich**	**Ill**
A.D. Mackay, Inc., 2-3-4-5	198 Broadway, New York 38	NY
McCOY ELECTRONICS CO., 3, Adv Pg 282	**Mt. Holly Springs**	**Pa**
Midland Mfg. Co., 3	3155 Fiberglas Rd, Kansas City 16	Kan
Pan-Electronics Corp., 3	Box 404, Griffin	Ga
Piezo Crystal Co., 3	265 E. Pomfret St, Carlisle	Pa
REEVES-HOFFMAN, DIV., 3, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Scientific Radio Products, Inc., 3-5	2303 W. 8th St, Loveland	Colo
SEMI-ELEMENTS, INC., 2-3-5, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
SHEROLD CRYSTALS, INC., 3, Adv Pg 544	**1510 McGee St, Kansas City**	**Mo**
Solar Mfg. Corp., 2	4553 Seville Ave, Los Angeles 58	Cal
Sprague Electric Co., 2	125 Marshall St, North Adams	Mass
Standard Telephones & Cables, Ltd., 3	63 Aldwych, London W. C. 2	Eng
Texas Crystals, 3	1000 Crystal Dr, Fort Myers	Fla
U.S. Sonics Corp., 2	625 McGrath Hwy, Somerville 45	Mass
VALPEY CRYSTAL CORP., 3-5, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Var-Lac-Oid Chemical Co., 2-5	116 Broad St, New York 4	NY

CRYSTALS –*SAPPHIRE* See SAPPHIRE

CRYSTALS –*SCINTILLATION* See *Also* SCINTILLATORS

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
HARSHAW CHEMICAL CO., Adv Pg 50	**1954 E. 97th St, Cleveland 6**	**Ohio**
Isomet Corp	433 Commercial Ave, Palisades Park	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Pilot Chemicals, Inc	36 Pleasant St, Watertown 72	Mass
SEMI-ELEMENTS, INC., Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

CRYSTALS –*SEMICONDUCTOR, GROWN, UNCUT*
1. GERMANIUM 2. INTERMETALLIC 3. SILICON 4. SILICON CARBIDE

Aceto Chemical Co., Inc., 2	40-40 Lawrence St, Flushing 54	NY
ALLEGHENY ELECTRONIC CHEMICALS CO., 1-3, Adv Pg 483	**207 Hooker-Fulton Bldg, Bradford**	**Pa**
Alloys Unlimited, Inc., 1-2-3-4	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co., 1-3-4	820 65 Ave, Philadelphia 26	Pa
CARBORUNDUM CO., GLOBAR PLANT, 4, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Consolidated Mng. & Smltg. Can. Ltd., 2	215 St. James St W., Montreal, Canada	
Delta Chemical Works, 1-3-4	21 W. 60th St, New York	NY
du Pont de Nemours & Co., Inc., E.I., 3	Wilmington 98	Del
Eagle-Picher Co., 1	American Bldg, Cincinnati 1	Ohio
GRACE ELECTRONIC CHEMICALS, INC., 3, Adv Pg 528	**101 N. Charles St, Baltimore 1**	**Md**
Isomet Corp., 2	433 Commercial Ave, Palisades Park	NJ
Knapic Electro-Physics, Inc., 1-3	936 Industrial Ave, Palo Alto	Cal
A.D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY
Merck & Co., Inc., Electronic Chemical Div., 2-3	Rahway	NJ
Penn Rare Metals, Inc., 1-2	P.O. Box 1A, Revere	Pa
Radiation Electronics Co., Div., Comptometer Corp., 2	5600 W. Jarvis, Chicago 48	Ill
SEMI-ELEMENTS, INC., 1-2-3-4, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Semimetals, Inc., 1-3	133-22 91st Ave, Richmond Hill 18	NY
Standard Telephones & Cables, Ltd., 1-3	63 Aldwych, London W. C. 2	Eng
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 1-3	Towanda	Pa
Tang Industries Inc., 1-3	49 Jones Rd, Waltham 54	Mass
TECHNICAL APPARATUS BUILDERS, 1, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Trancoa Chemical Corp., 3	312-326 Ash St, Reading	Mass
United Mineral & Chemical Corp., 1-2-3	16 Hudson St, New York 13	NY
U.S. SEMICONDUCTOR PRODUCTS, DIV., UNITED INDUSTRIAL CORP., 3, Adv Pg 201	**3540 W. Osborn Rd, Phoenix**	**Ariz**
Var-Lac-Oid Chemical Co., 1-3-4	116 Broad St, New York 4	NY

CRYSTAL TRANSDUCERS See ULTRASONIC EQUIPMENT

CRYSTAL UNITS –*QUARTZ*
1. FILTER 2. FREQUENCY CONTROL, COLOR TV 3. FREQUENCY CONTROL, TRANSMITTER 4. RECEIVER OSCILLATOR

Anderson Electronics, Inc., 1-2-3-4	1012 Chestnut Ave, Altoona	Pa
Bassett, Inc., Rex, 2-3-4	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
BLILEY ELECTRIC CO., 1-2-3-4, Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
Breon Laboratories, 1-2-3-4	1520 Evergreen Rd, Williamsport	Pa
Bulova Watch Co., Inc., 1-3-4	40-06 62 St, Woodside 77	NY
C-W Mfg. Co., 1-2-3-4	P.O. Box 2065, El Monte	Cal
CLARK CRYSTAL CO., 1-3-4, Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
Connolly & Co., Wallace E., 3-4	P.O. Box 295, Menlo Park	Cal
CONTROL ELECTRONICS CO., INC., 1, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Croven, Ltd., 1-2-3-4	500 Beech St, Whitby, Ontario, Canada	
Eidson Electronic Co., 2-3	1902 N. Third St, Temple	Tex
Electronic Transformer Co., 1	70 Washington St, Brooklyn 1	NY
GATES RADIO CO., 3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Crystal Co., Inc., 1-2-3-4	P. O. Box 9, Burlington	Wisc
Gibbs Mfg. & Research Corp., 3	454 N. Main St, Janesville	Wisc
HALLICRAFTERS CO., 1-3-4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HERMES ELECTRONICS CO., 1, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
HILL ELECTRONICS, INC., 1-3, Adv Pg 461	**300 N. Chestnut St, Mechanicsburg**	**Pa**
HUGHES SEMICONDUCTOR DIV., 1 Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
HUNT CORP., THE, 1-2-3-4, Adv Pg 485	**453 Lincoln St, Carlisle**	**Pa**
International Crystal Mfg. Co., Inc., 3-4	18 N. Lee, Oklahoma City	Okla
Keystone Electronics Co., 2-3-4	65 7th Ave, Newark	NJ
KNIGHTS CO., JAMES, 1-2-3-4, Adv Pg 17	**Sandwich**	**Ill**
Lewis Co., Inc., E.B., 1-2-3-4	11 Bragg St, East Hartford 8	Conn
McCOY ELECTRONICS CO., 1-2-3-4, Adv Pg 282	**Mt. Holly Springs**	**Pa**
Marconi's Wireless Telegraph Co., Ltd., 1-2-3-4	750 Third Ave, New York 17	NY
Microwave Development Labs. Inc., 4	92 Broad St, Babson Park 57	Mass
Midland Mfg. Co., 1-2-3-4	3155 Fiberglas Rd, Kansas City 16	Kan
Mobil Electronics, Inc., 1	1111 State Rd 67E, Anderson	Ind
Monitor Products Co., 1-2-3-4	815 Fremont Ave, South Pasadena	Cal
Mullard Equipment, Ltd., 1	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 3	21470 Coolidge Hwy, Oak Park	Mich
Nebel Laboratory, R.E., 1-2-3-4	1634 E. 12 St, Brooklyn 29	NY
NORTHERN ENGINEERING LABS., INC., 1-2-3-4, Adv Pg 554	**372 Wilmot Ave, Burlington**	**Wisc**
Palmer Instruments, 1-3-4	1017 Mission St, South Pasadena	Cal
Pan-Electronics Corp., 2-3-4	Box 404, Griffin	Ga
Pearce Simpson, Inc., 3-4	2295 N.W. 14th St, Miami 35	Fla
Peterson Radio Co., Inc., 2-3-4	2800 W. Broadway, Council Bluffs	Iowa
Piezo Crystal Co., 1-2-3-4	265 E. Pomfret St, Carlisle	Pa
Precision Crystal Laboratory; 1-3-4	2223 Warwick Ave, Santa Monica	Cal
Premier Research Laboratories, Inc., 1-2-3-4	83 Seventh Ave, New York 11	NY
REEVES-HOFFMAN, DIV., 1-2-3-4, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Scientific Radio Products, Inc., 1-2-3-4	2303 W. 8th St, Loveland	Colo
Scientific Radio Service, 3-4	4301 Sheridan St, University Park	Md
SHEROLD CRYSTALS, INC., 1-3-4, Adv Pg 544	**1510 McGee St, Kansas City**	**Mo**
Snelgrove Co., Ltd., C.R., 1-2-3-4	141 Bond Ave, Don Mills, Ontario, Canada	
Standard Telephones & Cables, Ltd., 1-2-3-4	63 Aldwych, London W. C. 2	Eng
Stratocon Corp., 3	P.O. Box 10, Morristown	NJ
Texas Crystals, 1-2-3-4	1000 Crystal Dr, Fort Myers	Fla
VALPEY CRYSTAL CORP., 1-2-3-4, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Westrex Corp., Div., Litton Industries, 2-3	540 W. 58 St, New York 19	NY
Wright Electronics, Inc., 1-2-3-4	2537 Grand, Kansas City 8	Mo

CRYSTAL UNITS –*TOURMALINE, FREQUENCY CONTROL*

CLARK CRYSTAL CO., Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
KNIGHTS CO., JAMES, Adv Pg 17	**Sandwich**	**Ill**
Lewis Co., Inc., E.B.	11 Bragg St, East Hartford 8	Conn
Pan-Electronics Corp	Box 404, Griffin	Ga
Premier Research Laboratories, Inc	83 Seventh Ave, New York 11	NY

VALPEY CRYSTAL CORP., Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Wright Electronics, Inc.	2537 Grand, Kansas City 8	Mo

C-TYPE LAMINATED CORES See CORES –*LAMINATED*
CUP CORES –See CORES –*MOLDED MAGNETIC*
CURRENT-LIMITING TRANSFORMERS See TRANSFORMERS –*IRON-CORE, POWER*
CURRENT REGULATORS See REGULATORS –*CURRENT*
CUSHIONING See PACKAGING MATERIALS
CUTOFF CONTROLS –*PAPER* See CONTROLS –*PHOTOELECTRIC, REGISTER*
CUTTERS See MACHINES: TOOLS: ULTRASONIC EQUIPMENT
CUTTING NEEDLES See NEEDLES –*CUTTING*

CYLINDERS –*AIR*

Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Rotex Punch Co	2350 Alvarado St, San Leandro	Cal
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

DASHPOTS

ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Hannifin Corp	503 S. Wolf Rd, Des Plaines	Ill
Mead Specialties Co	4111 N. Knox, Chicago 41	Ill

DATA PROCESSING SERVICES

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Abacus, Inc	3040 Overland Ave, Los Angeles 34	Cal
Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
Alwac Computer Div., El-Tronics, Inc	13040 S. Cerise, Hawthorne	Cal
APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
B & F Instruments, Inc	3644 N. Lawrence St, Philadelphia 40	Pa
Benson-Lehner Corp	1860 Franklin, Santa Monica	Cal
C.E.I.R., Inc	1200 Jefferson Davis Hwy, Arlington 2	Va
Computer Control Co., Inc	983 Concord St, Framingham	Mass
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Control Data Corp., Computer Div	501 Park Ave, Minneapolis 15	Minn
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
General Electric Co., Computer Dept	Phoenix	Ariz
General Electric Co., Missile & Space Vehicle Dept	3198 Chestnut St, Philadelphia 4	Pa
Librascope Div., General Precision, Inc	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc	Nowlan Rd, Hillcrest, Binghamton	NY
McIntyre Associates	3449B Oceanview Blvd, Glendale	Cal
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Minn-Honeywell, Industrial Systems Div	10721 Hanna St, Beltsville	Md
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nelson Instrument Co	607 Howard St, Evanston	Ill
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Ransom Research, Inc	374 W. 8th St, Box 269, San Pedro	Cal
Remington Rand Div., Sperry Rand Corp	315 Park Ave S., New York 10	NY
Sorokin Engineering Inc	P.O. Box 1717, Melbourne	Fla
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Stone Laboratories Inc	1312 Tremont St, Boston 20	Mass
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
Vitro Corp of America	261 Madison Ave, New York 16	NY
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

DATA-RECORDING CAMERAS See CAMERAS –*PHOTOGRAPHIC*
DATA-RECORDING EQUIPMENT See RECORDERS *(VARIOUS TYPES)*
DATA REPEATERS See REPEATERS –*DATA*
DATA-RETRIEVAL & DATA-REDUCTION EQUIPMENT See SPECIFIC ITEMS *(SUMMARIZED UNDER COMPUTER PARTS & ACCESSORIES)*
DATA-STORAGE TUBES See TUBES –*CATHODE-RAY*
DATA-TRANSMISSION SYSTEMS See COMMUNICATION SYSTEMS
DB METERS See METERS-DB
D-C AMPLIFIERS See AMPLIFIERS – D-C
D-C CABLES See CABLES –*SHIELDED:* CABLES –*UNSHIELDED:* CORDS – *LINE*
D-C GENERATORS See GENERATORS –*POWER*
D-C MOTOR SPEED CONTROLS See CONTROLS –*MOTOR SPEED*
D-C POWER SUPPLIES See POWER SUPPLIES – D-C OUTPUT
D-C TO A-C CONVERTERS See CHOPPERS: INVERTERS: MODULATORS
D-C TO D-C CONVERTERS See CONVERTERS –*POWER*
DECADE AMPLIFIERS See AMPLIFIERS –*INSTRUMENTATION*
DECADE BOXES See BOXES –*DECADE*
DECADE SCALERS See COUNTERS –*ELECTRONIC*
DECADE VOLTAGE SOURCES See VOLTAGE SOURCES –*DECADE*

DECALCOMANIAS

Decimeter Products Co	Star Rt, P.O. Box 67, Littleton	Colo
Dennison Mfg. Co	300 Howard St, Framingham	Mass
Duralith Corp	1025 Race St, Philadelphia 7	Pa
ECM Corp	8160 Orion Ave, Van Nuys	Cal
Ludlow Mfg. & Sales Co	145 Rosemary, Needham Heights 94	Mass
Meyercord Co	5323 W. Lake St, Chicago 44	Ill
New England Etching Co., Inc	25 Spring St, Holyoke	Mass
Topflight Corp	160 E. Ninth Ave, York	Pa

DECIBEL METERS See METERS – DB

DECODERS

1. BINARY TO DECIMAL 2. DIGITAL TO ANALOG

Abacus, Inc., 1-2	3040 Overland Ave, Los Angeles 34	Cal
Airtronics, Inc., 2	5522 Dorsey Ln, Washington 16	DC
American Bosch Arma Corp., 1-2	320 Fulton Ave, Hempstead	NY
AMP, INC., 1, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
APPLIED ELECTRONICS CORP OF N.J., 1-2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Avco Corp., Crosley Div., 2	1329 Arlington St, Cincinnati 25	Ohio
BECKMAN/BERKELEY DIV., 1-2, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Bell & Gossett Co., 1-2	8202 N. Austin Ave, Morton Grove	Ill
Bendix-Pacific Div., Bendix Aviation, 2	11600 Sherman Way, North Hollywood	Cal
Benson-Lehner Corp., 1-2	1860 Franklin, Santa Monica	Cal
Budd Lewyt Electronics, Inc., 2	43-22 Queens St, Long Island City 1	NY
Burroughs Corp Electronic Tube Div., 1-2	P.O. Box 1226, Plainfield	NJ
CBC ELECTRONICS CO., INC., 1-2, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CG Electronics Corp., 1-2	15000 Central E., Albuquerque	NM
California Computer Products, Inc., 1-2	8714 Cleta St, Downey	Cal
Computer Control Co., Inc., 1-2	983 Concord St, Framingham	Mass
Computer Measurements Corp., 1	5528 Vineland Ave, North Hollywood	Cal
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Concord Control, Inc., 2	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
Control Equipment Corp., 1-2	19 Kearney Rd, Needham Heights 94	Mass
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control Systems Div., 2	4455 Miramar Rd, La Jolla	Cal
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
DYMEC, DIV., HEWLETT-PACKARD CO., 1, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Electro Instruments, Inc., 1-2	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 1-2	515 Boccaccio, Venice	Cal
Electro-Mechanical Research, Inc., 2	P.O. Box 3041, Sarasota	Fla
EPSCO, INC., EQUIPMENT DIV., 2, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div., 1-2	275 Massachusetts Ave, Cambridge 39	Mass
ESCOTRONICS, 1, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Fedrick Fenske & Miller, Inc., 2	12822 Panama St, Los Angeles	Cal
Ford Instrument Co., Div., Sperry Rand Corp., 2	31-10 Thomson Ave, Long Island City 1	NY
Franklin Electronics, Commun & Control Div., 1-2	5901 Noble Ave, Van Nuys	Cal
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Measurements Co., Inc., 2	1108 Beacon St, Newton Highlands 61	Mass
Giannini Controls Corp., 1-2	1600 S. Mountain Ave, Duarte	Cal
Harvey-Wells Electronics, Inc., 1-2	North St, Southbridge	Mass
Haydon Co., A.W., The, 1	238 N. Elm St, Waterbury	Conn
HERMES ELECTRONICS CO., 1, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
ITT Laboratories, 1-2	500 Washington Ave, Nutley 10	NJ
ITT Laboratories, Components & Instrumentation Div., 1-2	3700 E. Pontiac St, Ft. Wayne	Ind
INDUSTRIAL ELECTRONIC ENGINEERS, INC., 1, Adv Pg 560	**5528 Vineland Ave, North Hollywood**	**Cal**
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
JULIE RESEARCH LABS., 1-2, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc., 1-2	3171 S. Bundy Dr, Santa Monica	Cal
Librascope Div., General Precision, Inc., 1-2	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1	Nowlan Rd, Hillcrest, Binghamton	NY
Marquardt Corp., Pomona Div., 2	2709 N. Garey Ave, Pomona	Cal
Milgo Electronic Corp., 1-2	7620 N.W. 36th Ave, Miami 47	Fla
NAVIGATION COMPUTER CORP., 1-2, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
NORTHEASTERN ENGINEERING, INC., 1-2, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 1-2	1905 Armacost Ave, Los Angeles 25	Cal
Radiation, Inc., 1-2	Melbourne	Fla
Ransom Research, Inc., 1-2	374 W. 8th St, Box 269, San Pedro	Cal
Servonics, Inc., 1	822 N. Henry St, Alexandria	Va
Shepard Labs., Inc., 1	Broad St at Park, Summit	NJ
Tally Register Corp., 1	1310 Mercer St, Seattle 9	Wash
Transformers, Inc., 1	200 Stage Rd, Vestal	NY
Transistor Electronics Corp., 1	3357 Republic Ave, Minneapolis 26	Minn
Venner Electronics, Ltd., 1	Kingston By-Pass, New Malden	Eng
Victor Adding Machine Co., 1	3900 N. Rockwell St, Chicago 18	Ill
Wang Laboratories, Inc., 1-2	12 Huron Dr, Natick	Mass
Wells-Gardner & Co	2701 N. Kildare Ave, Chicago 39	Ill

DECOMMUTATORS –*TELEMETERING*

American Bosch Arma Corp	320 Fulton Ave, Hempstead	NY
American Missile Products Co., Inc	15233 Grevillea Ave, Lawndale	Cal
APPLIED ELECTRONICS CORP OF N.J., Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
CG Electronics Corp	15000 Central E., Albuquerque	NM
California Computer Products, Inc	8714 Cleta St, Downey	Cal
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dorsett Electronics Labs., Inc	119 W. Boyd St, Norman	Okla
Electro-Mechanical Research, Inc	P.O. Box 3041, Sarasota	Fla
EPSCO, INC., EQUIPMENT DIV., Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div	275 Massachusetts Ave, Cambridge 39	Mass
Franklin Electronics, Commun & Control Div	5901 Noble Ave, Van Nuys	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Kauke & Co., Inc	1632 Euclid St, Santa Monica	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Newton Co	55 Elm St, Manchester	Conn
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Pacific Mercury Electronics	8345 Hayvenhurst Ave, Sepulveda	Cal
PARSONS CO., RALPH M., ELECTRONICS DIV., Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Radiaphone Co., Inc	600 E. Evergreen Ave, Monrovia	Cal
Ransom Research, Inc	374 W. 8th St, Box 269, San Pedro	Cal
San Diego Scientific Corp	3434 Midway Dr, San Diego 10	Cal
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

DEEP-DRAWN METAL PARTS See METAL PARTS –*DEEP-DRAWN*
DEFLECTION YOKES See YOKES –*DEFLECTION*
DEGAUSSING COILS See DEMAGNETIZERS: ERASERS
DEGREASING CHEMICALS See SOLVENTS

DEHUMIDIFIERS

1. CHEMICAL 2. HEAT-TYPE 3. REFRIGERATOR-TYPE

Airflow Co., 3	400 S. Stonestreet Ave, Rockville	Md

ALLIED-CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., 1, Adv Pg 57	**40 Rector St, New York**	**NY**
Amerconda Chemical Co., 1	170 Broadway, New York 38	NY
Barium & Chemicals, Inc., 1	Willoughby	Ohio
Budd Lewyt Electronics, Inc., 2-3	43-22 Queens St, Long Island City 1	NY
City Chemical Corp., 1	132 W. 22nd St, New York 11	NY
Cory Corp., 2	3200 W. Peterson, Chicago 45	Ill
Dampp-Chaser, Inc., 2	P.O. Box 520, Hendersonville	NC
Delta Chemical Works, 1	21 W. 60th St, New York	NY
Dielectric Products Engrg Co., Inc., 2-3	Raymond	Me
EASTERN INDUSTRIES, INC., 1-2-3, Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Gardner Laboratories, 1	5521 Landy Ln, Bethesda	Md
Hankison Corp., 3	College & Pike, Canonsburg	Pa
Hicks Corp., 3	1671 Hyde Park Ave, Hyde Park	Mass
Hudson Bay Co., Div., Labline, Inc., 3	3070 W. Grand, Chicago 22	Ill
Hull Corp., 3	Davisville Rd, Hatboro	Pa
International Radiant Corp., 3	577 E. 156th St, New York 55	NY
Kahn & Co., Inc., 2	885 Wells Rd, Wethersfield	Conn
Lear-Romec Div., Lear, Inc., 2	Abbe Rd, Elyria	Ohio
Metal Hydrides, Inc., 1	Beverly	Mass
Murphy & Miller, Inc., 3	612 W. Taylor St, Chicago 7	Ill
Pioneer Industries Div., Almar-York Co., Inc., 2-3	3455 W. Vickery, Fort Worth 7	Tex
Pittsburgh Lectrodryer Div., McGraw-Edison Co., 1	300-32 St, Pittsburgh 30	Pa
Robbins Aviation, Inc., 1-2-3	2350 E. 38th St, Los Angeles 58	Cal
STANDARD CABINET CO., INC., 3, Adv Pg 468	**57 Washington Ave, Carlstadt**	**NJ**
Temperature Engineering Corp., 2-3	1500 Union Landing Rd, Riverton	NJ
United States Dynamics, Inc., 1-2	10 Dedham St, Newton Highlands	Mass
Wells Industries Corp., 1-2-3	6880 Troost Ave, North Hollywood	Cal
Winder Aircraft Corp., 1-2-3	Dunnellon Air Base, Dunnellon	Fla

DEHYDRATORS *See* OVENS
DELAY-LINE CORES *See* CORES *—DELAY-LINE*

DELAY LINES

1. COLOR TV 2. DIGITAL 3. DISTRIBUTED CONSTANT, FIXED 4. DISTRIBUTED-CONSTANT, VARIABLE 5. LUMPED-CONSTANT, FIXED 6. LUMPED-CONSTANT, VARIABLE 7. ULTRASONIC, FIXED 8. ULTRASONIC, VARIABLE 9. WAVEGUIDE, COILED OR SPIRALED

AC Electronics, Inc., 3-4-5-6	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 2-3-5-7, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
A R & D A, 7-8	135 Main St, Belleville 9	NJ
Admiral Corp., 3-4	3800 W. Cortland St, Chicago 47	Ill
AD-YU ELECTRONICS LAB., INC., 1-2-3-4-5-6, Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Aircom, Inc., 9	48 Cummington St, Boston	Mass
Airtec, Inc., 9	139 E. First Ave, Roselle	NJ
Airtronics, Inc., 2	5522 Dorsey Ln, Washington 16	DC
ALLEN AVIONICS INC., 1-2-3-4-5-6, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
AMP, INC., 3-4-5-6, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Andersen Laboratories, Inc., 3-4-5-6-7-8	501 New Park Ave, West Hartford	Conn
APPLIED ELECTRONICS CORP OF N.J., 2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
ARENBERG ULTRASONIC LAB., INC., 7, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
Artronic Instrument Co., 2-5-6	11232 Triangle Ln, Silver Spring	Md
Artted Co., Inc., 3-5	367 Worthington St, Springfield 3	Mass
Automation Industries, Inc., 7-8-9	3613 Aviation Blvd, Manhattan Beach	Cal
Bel Fuse Inc., 1-3	198 Van Vorst St, Jersey City	NJ
Bell Aircraft Corp., 6	P.O. Box 1, Buffalo 5	NY
BLILEY ELECTRIC CO., 7, Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
Brew & Co., Inc., Richard D., 1-2-3-4-5-6-7-8	90 Airport Rd, Concord	NH
BUDD-STANLEY CO., INC., 9, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
BURNELL & CO., INC., 5, Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
CBC ELECTRONICS CO., INC., 2-5, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Canadian Marconi Co., 5	2444 Trenton Ave, Montreal, Canada	
Carad Corp., 5	2850 Bay Rd, Redwood City	Cal
Central Coil Co., 3-5	1722 N. Luett St, Indianapolis	Ind
Coilcraft, Inc., 3-5	Cary	Ill
COLUMBIA TECHNICAL CORP., 1-2-3-4-5-6, Adv. Pgs. 282, 283	**61-02 31 Ave, Woodside 77**	**NY**
COMMUNICATION ACCESSORIES CO., 5, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Computer Control Co., Inc., 2	983 Concord St, Framingham	Mass
Consolidated Avionics Corp., 2	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 1-2-3-4-5-6-7-8-9, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 3-5, Adv Pg 321	**South Plainfield**	**NJ**
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 7, Adv Pg 485	**550 High St, Bradford**	**Pa**
CURTISS-WRIGHT, ELECTRONICS DIV., 7, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Data Equipment Co., 2	923 E. 3rd St, Los Angeles 13	Cal
DAVEN CO., 5, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Deeco Instruments, 5	14737 Arminta St, Van Nuys	Cal
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 5, DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 5,		
Developmental Electronics Corp., 2-3-4-5-6	4213 S. Broadway, Los Angeles	Cal
Di An Controls, Inc., 2	40 Leon St, Boston 15	Mass
DIETZ DESIGN, INC., 3-5, Adv Pg 499	**Grandview 6**	**Mo**
ESC CORP., 1-2-3-4-5-6, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Electrical & Physical Instrument Corp., 4	42-19 27 St, L I City 1	NY
Electro-Winders Co., Inc., 2-3-4-5-6-7	854 W. Front St, Covina	Cal
Electronic Components Div., Telecomputing Corp., 5-6	14706 Arminta St, Van Nuys	Cal
ELECTRONIC SPECIALTY CO., 9, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
El-Rad Mfg. Co., 2-3-5	4300 N. California Ave, Chicago 18	Ill
Essex Electronics Div of Nytronics, Inc., 3-5	550 Springfield Ave, Berkeley Heights	NJ
FXR, INC., 9, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FERRANTI ELECTRIC, INC., 2-7-8, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Filtron Co., Inc., 2-3-4-5-6	131-15 Fowler Ave, Flushing	NY
Forbes & Wagner, Inc., 3-5	345 Central Ave, Silver Creek	NY
Fugle-Miller Laboratories, Inc., 3-5	301 Central Ave, Clark	NJ
General Electric Co., Heavy Military Electronics Dept., 3-4-7-8	Court St, Syracuse	NY
GENERAL RADIO CO., 4, Adv Pg 285	**West Concord**	**Mass**
General Ultrasonics Co., 7-8	67 Mulberry St, Hartford 3	Conn
Genistron, Inc., 2-3-5	6320 W. Arizona Circle, Los Angeles 45	Cal
Geotronic Labs., Inc., 5	1314 Cedar Hill Ave, Dallas 8	Tex
Gilfillan Bros., Inc., 2-9	1815 Venice Blvd, Los Angeles 6	Cal
GRAY & KUHN, 2-3-4-5-6, Adv Pg 473	**80 Swain St, Westbury**	**NY**
Gudeman Co., The, 3-5	340 W. Huron St, Chicago 10	Ill
HALLICRAFTERS CO., 2-3-4-5-6, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hazeltine Corp., 1-3	59-25 Little Neck Pkwy, Little Neck	NY
Helipot Div., Beckman Instruments, Inc., 4	2500 Fullerton Rd, Fullerton	Cal
HERMES ELECTRONICS CO., 2-7-8, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 5	P.O. Box 978, Garland	Tex
Hisonic, Inc., 5	P.O. Box 534, Shawnee	Kan
Hoffman Co., H.L., 3-4	35 Old County Rd, Westbury	NY
IMC MAGNETICS CORP., 3-4-5-6, Adv Pg 186	**570 Main St, Westbury**	**NY**
ITT Laboratories, 1-2-3-4-5-6-7-8-9	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 9	129-07 18th Ave, College Point 56	NY
International Electronics Corp., (Mullard Equipment), 7-8	81 Spring St, New York 12	NY
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
J.F.D. ELECTRONICS CORP., 3-4-5-6, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 9, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 7-8	1079 Commonwealth, Boston 15	Mass
LUMATRON ELECTRONICS, INC., 3, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
Marconi's Wireless Telegraph Co., Ltd., 7	750 Third Ave, New York 17	NY
Meridian Metalcraft, Inc., 9	8739 S. Millergrove Dr, Whittier	Cal
Micamold Electronics Mfg. Corp., 5	65 Gouverneur St, Newark 4	NJ
Micropulse Engineering, 3-5-6	1122 W. Magnolia, Burbank	Cal
Microsecond Electronics, Inc., 2-3-5-6	3213 E. Washington, Phoenix	Ariz
MICROSONICS, INC., 7-8, Adv Pg 494	**Hingham Ind. Center, Rt 3A, Hingham**	**Mass**
Microwave Corp. of America, 9	P.O. Box 278, Stamford	Conn
Millen Mfg. Co., James, 1-2-3-5	150 Exchange St, Malden	Mass
Mullard Equipment, Ltd., 7-8-9	Torrington Pl, London W.C. 1, England	
N.R.K. Mfg. & Engineering Co., 9	4601 W. Addison St, Chicago 41	Ill
NORTH HILLS ELECTRIC CO., INC., 5, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Orbitran Co., Inc., 5	11487 Woodside Ave, Lakeside	Cal
Otis Elevator Co., 4-5	35 Ryerson St, Brooklyn 5	NY
PCA ELECTRONICS, INC., 3-4-5-6, Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Palo Alto Engineering Co., 3-4-5	620 Page Mill Rd, Palo Alto	Cal
PARSONS CO., RALPH M., ELECTRONICS DIV., 5-6, Adv Pg 312	**151 S DeLacey Ave, Pasadena**	**Cal**
Philco Corp., Gov't & Ind'l Div., 2	4700 Wissahickon Ave, Philadelphia 44	Pa
Polyphase Instrument Co., 5	E. Fourth St, Bridgeport	Pa
PORTCHESTER INSTRUMENT CORP., 9, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 9, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Raytheon Co. Commercial Appar. & Systems Div., 5	100 River St, Waltham	Mass
REDMAN ELECTRONICS CORP., 3-5, Adv Pg 520	**P.O. Box 72, Thompsonville**	**Conn**
Rytron Co., Inc., 5	7301 Lankershim Blvd, North Hollywood	Cal
Sangamo Electric Co., 5	1201 N. 11 St, Springfield	Ill
SHALLCROSS MFG. CO., 1-3-5-6, Adv Pg 148	**Selma**	**NC**
Sickles F.W. Div. Gen. Instrument Corp. 1-3-4-5-6	165 Front St, Chicopee	Mass
Sprague Electric Co., 3	125 Marshall St, North Adams	Mass
Standard Electronics Div., Reeves Instrument Corp., 3-4-5-6	Lakewood Rd, Farmingdale	NJ
Sturrup, Inc., 7	50 Silver St, Middletown	Conn
Technitrol Engineering Co., 2-3-5	1952 E. Allegheny Ave, Philadelphia 34	Pa
Tenco Electronics, Inc., 5	811 Boylston St, Boston	Mass
TOROTEL, INC., 3-5, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
Transco Products Inc., 9	12210 Nebraska Ave, L A 25	Cal
Transistor Electronics Corp., 2	3357 Republic Ave, Minneapolis 26	Minn
TURBO MACHINE CO., 9, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Valor Instruments, Inc., 1-2-3-4-5-6	13214 Crenshaw Blvd, Gardena	Cal
Vanguard Electronics Co., 3-5-6	3384 Motor Ave, Los Angeles 34	Cal
Vitro Corp of America, 2	261 Madison Ave, New York 16	NY
Waveline, Inc., 9	P.O. Box 718, Caldwell	NJ
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 5, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Whitewater Electronics, Inc., 1-2-3	136 W. Main St, Whitewater	Wisc

DELAYS

1. A-F, VARIABLE 2. MULTIVIBRATOR, SINGLE-SHOT 3. TAPE-TYPE 4. TRANSPORT-TYPE

Abacus, Inc., 2	3040 Overland Ave, Los Angeles 34	Cal
CBC ELECTRONICS CO., INC., 2, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Computer Control Co., Inc., 2	983 Concord St, Framingham	Mass
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 2	19 Kearney Rd, Needham Heights 94	Mass
Donner Scientific Co., 4	888 Galindo St, Concord	Cal
Electrodynamic Instrument Corp., 1-3-4	1841 Old Spanish Trail, Houston 25	Tex
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
Link Div., Gen. Precision, Inc., 2	Nowlan Rd, Hillcrest, Binghamton	NY
Marquardt Corp., Pomona Div., 2	2709 N. Garey Ave, Pomona	Cal
Mini-Rad, Inc., 2	7416-E Varna Ave, N. Hollywood	Cal
Packard Bell Computer Corp., 2	1905 Armacost Ave, Los Angeles 25	Cal
Potter Instrument Co., Inc., 3-4	Sunnyside Blvd, Plainview	NY
Racal Engineering, Ltd., 2	Western Rd, Bracknell, Berks, England	
Tripl-T Co Electronics, 2	1260 Encino Dr, San Marino	Cal
Venner Electronics, Ltd., 2	Kingston By-Pass, New Malden	Eng
Westrex Corp., Div., Litton Industries, 3-4	540 W. 58 St, New York 19	NY

DEMAGNETIZERS

AMERICAN TIME PRODUCTS, INC., Adv Pg 284	**61-20 Woodside Ave, Woodside 77**	**NY**
Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Caltron Products Co	3518 W. Pico Blvd, Los Angeles 19	Cal
Cinema Engineering Div., Aerovox Corp	1100 Chestnut St, Burbank	Cal
Crest Transformer Corp	1834-36 W. North Ave, Chicago 22	Ill
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Electronic Brazing Co	140 Glenridge Ave, Montclair	NJ
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Klein-Electronics, Leo	2404 S. La Brea Ave, Los Angeles 16	Cal
L & R Mfg. Co	577 Elm St, Kearny	NJ

Luma Electric Equipment Co	P.O. Box 132, Toledo 1	Ohio
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Magnetic Analysis Corp	42-44 12th St, Long Island City 1	NY
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Shrader Co	11625 S. Broadway, Los Angeles	Cal

DEMINERALIZERS & STILLS —*WATER*

BARNSTEAD STILL & STERLIZER CO., INC., Adv Pg 124	**84 Lanesville Terrace, Boston 31**	**Mass**
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
La Motte Chemical Products Co	Chestertown	Md
Penfield Mfg. Co., Inc	19 High School Ave, Meriden	Conn
Permutit Co., A Div of Pfaudler Permutit Inc	50 W. 44 St, New York 36	NY

DEMODULATORS —*SYNCHRONOUS*
1. CHOPPER-TYPE 2. ELECTRONIC

AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-2, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
ALLEN BUSINESS MACHINE, INC., R.C., AIRCRAFT INSTRUMENT DIV., 2, Adv Pg 61	**333 Commerce S.W., Grand Rapids**	**Mich**
Applied Dynamics, Inc., 2	P.O. Box 2068, Ann Arbor	Mich
Arnoux Corp., 2	11924 W. Washington Blvd, L.A. 66	Cal
Barnes Engineering Co., 1	30 Commerce Rd, Stamford	Conn
Decade Instrument Co., 2	P.O. Box 153, Caldwell	NJ
Electrodynamic Instrument Corp., 2	1841 Old Spanish Trail, Houston 25	Tex
Entron, Inc., 2	4902 Lawrence St, Bladensburg	Md
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Hallamore Electronics Co., 2	714 N. Brookhurst Ave, Anaheim	Cal
ITT Laboratories, 2	500 Washington Ave, Nutley 10	NJ
JERROLD ELECTRONICS CORP., 2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
KEARFOTT DIV., GEN PRECISION, INC., 2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KIDDE & CO., INC., WALTER, 1-2, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
Magnetic Circuit Elements, Inc., 2	3722 Park Pl, Montrose	Cal
Marsland Engineering, Ltd., 2	154 Victoria St S., Kitchener, Ontario, Canada	
Micro Gee Products, Inc., 1-2	6319 W. Slauson, Box 1005, Culver City	Cal
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Nacimco Products, Inc., 2	1090 Morena Blvd, San Diego	Cal
Natel Engineering Co., Inc., 2	15922 Strathern St, Van Nuys	Cal
Penn Keystone Corp., 1-2	P.O. Box 350, Hawkins St, Derby	Conn
Radiation, Inc., 2	Melbourne	Fla
Rangertone, Inc., 2	73 Winthrop St, Newark 4	NJ
S-E Laboratories Ltd., 2	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Solartron, Inc., 2	1742 S. Zeyn St, Anaheim	Cal
SOLID STATE ELECTRONICS CO., 1-2, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Spectra Electronics Co., 2	250 E. 3rd St, Mt. Vernon	NY
Ten Bosch, Inc., M., 1-2	80 Wheeler Ave, Pleasantville	NY
Tenco Electronics, Inc., 2	811 Boylston St, Boston	Mass
TORWICO ELECTRONICS, INC., 2, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
21st Century Electronics, Inc., 1-2	P.O. Box 2326, Riverside	Cal
VARO MFG. CO., INC., 2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Victory Engineering Corp., 1-2	101 Springfield Rd, Union	NJ

DEMONSTRATORS —*ELECTRONIC CIRCUIT*
1. MAGNETIC AMPLIFIER CIRCUITS 2. TRANSISTOR CIRCUITS 3. TUBE CIRCUITS

Airtronics, Inc., 1-2-3	5522 Dorsey Ln, Washington 16	DC
AMP, INC., 2, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Applied Dynamics, Inc., 2-3	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 1-2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardwin Microlab Inc., 2	21 Spencer St, Stoneham 80	Mass
Avien Corp., 2	58-15 Northern Blvd, Woodside 77	NY
Avionics Corp., 2-3	Maple Ave & Horsham Rd, Horsham	Pa
Benco Television Associates, Ltd., 2	27 Taber Rd, Rexdale, Ontario, Canada	
Brach Mfg. Corp., 1	200 Central Ave, Newark	NJ
CBC ELECTRONICS CO., INC., 2-3, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C.E.S. Electronic Products, Inc., 2-3	P.O. Box 7504, San Diego 7	Cal
CG Electronics Corp., 2	15000 Central E., Albuquerque	NM
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 2	800 Shames Dr, Westbury	NY
Control Data Corp., Cedar Engr. Div., 1	501 Park Ave, Minneapolis 15	Minn
Control Devices, Inc., 2-3	925 S. Eton Rd, Birmingham	Mich
CONTROL ELECTRONICS CO., INC., 1-2-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DAVEN CO., 1-2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Deeco Instruments, 1	14737 Arminta St, Van Nuys	Cal
Deltron, Inc., 3	4th & Cambria, Philadelphia 33	Pa
Djeco, Div., Djordjevic Engrg Co., 1-2-3	1933 N. Damen, Chicago 47	Ill
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1-2-3, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Engineered Electronics Co., 2-3	1441 E. Chestnut Ave, Santa Ana	Cal
Erie-Pacific Div of Erie Resistor Corp., 2	12932 S. Weber Way, Hawthorne	Cal
Fairfield Engineering Corp., 1	114 Manhattan St, Stamford	Conn
Flame Research, Inc., 2	P.O. Box 10502, Pittsburgh 35	Pa
Foto-Video Electronics, Inc., 2-3	36 Commerce Rd, Cedar Grove	NJ
FREED TRANSFORMER CO., INC., 1, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
Good Electronic Corp., 2-3	P.O. Box 2406, W. Palm Beach	Fla
Guardian Electric Mfg. Co., 2-3	1621 W. Walnut St, Chicago 12	Ill
HYDRO AIRE CO., 2, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
ITT Laboratories, 2-3	500 Washington Ave, Nutley 10	NJ
Intercontinental Electronics, 1	1551 Franklin Ave, Mineola	NY
Kinematic Systems, 2-3	41-11-49th St, Long Island City	NY
Laboratory for Electronics, Inc., 1-2	1079 Commonwealth, Boston 15	Mass
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
Lumen, Inc., 1	P.O. Box 905, Joliet	Ill
MAGNETIC AMPLIFIERS, INC., 1, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
MAGNETIC INSTRUMENT CO., INC., 1-2, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Magnetic Research Corp., 1-2	3160 W. El Segundo Blvd, Hawthorne	Cal
Marstan Electronics Corp., 2	204 Babylon Trnpk, Roosevelt	NY
Micro Gee Products, Inc., 1-2-3	6319 W. Slauson, Box 1005, Culver City	Cal
Mini-Rad, Inc., 2	7416-E Varna Ave, N. Hollywood	Cal
Miratel Inc., 2-3	1080 Dionne St, St. Paul	Minn
Molded Insulation Co., 2	335 E. Price St, Phila 44	Pa
Natel Engineering Co., Inc., 2	15922 Strathern St, Van Nuys	Cal
National Electronics Labs., Inc., 2	1713 Kalorama Rd N.W., Washington 9	DC
Newport Scientific Co., 1-2-3	638 W. 17th St, Costa Mesa	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 2-3	2295 N.W. 14th St, Miami 35	Fla
Ram Electronics, Inc., 1	600 Industrial Ave, Paramus	NJ
Rese Engineering Corp., 2-3	731 Arch St, Philadelphia 6	Pa
SOLID STATE ELECTRONICS CO., 2, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sparton Corp., 1-2-3	2400 E. Ganson St, Jackson	Mich
Spec-Tronics, 1-2	13942 Saticoy Ave, Van Nuys	Cal
Standard Telephones & Cables, Ltd., 2-3	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 2-3	100 Carlson Rd, Rochester 3	NY
Topp Industries, Inc., 1	5221 W. 102 St, Los Angeles 45	Cal
TORWICO ELECTRONICS, INC., 1, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transdyne Corp., 1-2-3	43 Albertson Ave, Albertson	NY
Transval Electronics Corp., 1-2	2030 Maple Ave, El Segundo	Cal
Trepac Corp of America, 2	30 W. Hamilton Ave, Englewood	NJ
Wickes Engineering & Construction Co., 1	12th St & Ferry Ave, Camden 4	NJ
Wintronics, 2	213 S. Hawthorne Blvd, Hawthorne	Cal

DENSITOMETERS —*ELECTRONIC*

Applied Research Laboratories, Inc	P.O. Box 1710, Glendale 5	Cal
Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Eberline Instrument Corp	P.O. Box 279, Santa Fe	NM
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Guardian Electric Mfg. Co., 2-3	1621 W. Walnut St, Chicago 12	Ill
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Jarrell-Ash Co	26 Farwell St, Newtonville	Mass
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
PHOTOCHRON RESEARCH INC., Adv Pg 547	**2 Howard St, New York 13**	**NY**
Photovolt Corp	95 Madison Ave, New York 16	NY
Potter Aeronautical Corp	Rt 22, Union	NJ
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

DENSITY COMPARATORS *See* DENSITOMETERS
DENSITY CONTROLS *See* CONTROLS —*DENSITY*
DENSITY INDICATORS *See* DENSITOMETERS
DEPOSITED CARBON RESISTORS *See* RESISTORS —*FILM TYPE*
DEPTH RECORDERS *See* DEPTH SOUNDERS

DEPTH SOUNDERS

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Applied Electronics Co	213 E. Grand Ave, South San Francisco	Cal
Automation Industries, Inc	3613 Aviation Blvd, Manhattan Beach	Cal
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
Cadre Industries Corp	P.O. Box 150, Endicott	NY
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Edo Corp	College Point 56	NY
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Harris Transducer Corp	Woodbury	Conn
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Multi-Products Co	21470 Coolidge Hwy, Oak Park	Mich
Munston Electronic Mfg. Corp	Beech St, Islip	NY
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
NUCLEAR ELECTRONICS CORP., Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Raytheon Co. Commercial Appar. & Systems Div	100 River St, Waltham	Mass
Sonar Radio Corp	3050 W. 21 St, Brooklyn 24	NY
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

DETECTORS —*BREAK* *See* CONTROLS —*PHOTOELECTRIC*

DETECTORS —*FIRE, ELECTRONIC*

Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
Flame Research, Inc	P.O. Box 10502, Pittsburgh 35	Pa
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Victory Engineering Corp	101 Springfield Rd, Union	NJ
Wintronics	213 S. Hawthorne Blvd, Hawthorne	Cal

DETECTORS —*FLAW & DEFECT, ELECTRONIC*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**

AMERICAN ELECTRONICS, INC., NUCLEAR DIV., Adv Pg 412	**9459 W. Jefferson Blvd, Culver City**	**Cal**
American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
Atronic Products, Inc	1 Bala Ave, Bala-Cynwyd	Pa
Branson Instruments, Inc	1 Brown House Rd, Stamford	Conn
Buffalo Electronics Corp	37 Franklin St, Buffalo 2	NY
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Delsen Corp	719 W. Broadway, Glendale 4	Cal
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Dice Co., J.W.	Englewood	NJ
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Magnetic Analysis Corp	42-44 12th St, Long Island City 1	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
PESCHEL ELECTRONICS, INC., Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

DETECTORS —*FLAW, ULTRASONIC* See **ULTRASONIC EQUIPMENT**

DETECTORS —*GAS*
1. EXPLOSIVE 2. NONEXPLOSIVE

Edwards High Vacuum(Canada)Ltd, 1-2	Box 515, Burlington, Ontario, Canada	
Electron-Radar Products, 1	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Applications, Inc., 1-2	194 Richmond Hill Ave, Stamford	Conn
Erdco Engineering Corp., 1	Addison	Ill
Flame Research, Inc., 1	P.O. Box 10502, Pittsburgh 35	Pa
Heath Co., A Sub of Daystrom, Inc., 1	Benton Harbor	Mich
Houston Instrument Corp., 1	P.O. Box 22234, Houston 27	Tex
ITT Laboratories, Components & Instrumentation Div., 2	3700 E. Pontiac St, Ft. Wayne	Ind
Kruger Instruments, Harold, 2	P.O. Box 164, San Gabriel	Cal
Linde Co., Div., UCC, 2	270 Park Ave, New York 17	NY
Multi-Products Co., 1	21470 Coolidge Hwy, Oak Park	Mich
Pearce Simpson, Inc., 1	2295 N.W. 14th St, Miami 35	Fla
Renupp Co., 1-2	3457 Greenfield Ave, Los Angeles 34	Cal
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Turner Corp., 2	821 Park Ave, Sycamore	Ill

DETECTORS —*INFRARED* See **INFRARED DEVICES**

DETECTORS —*INTRUSION*

ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Kidde Ultrasonic & Detection Alarms, Inc	477 Brighton Rd, Clifton	NJ
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Wintronics	213 S. Hawthorne Blvd, Hawthorne	Cal

DETECTORS —*LEAK, VACUUM SYSTEM*

AMERICAN ELECTRONICS, INC., NUCLEAR DIV., Adv Pg 412	**9459 W. Jefferson Blvd, Culver City**	**Cal**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CROSBY TELECTRONIC LAB., INC., Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Kinney Vacuum Div., New York Air Brake Co	3529 Washington St, Boston	Mass
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Magnaflux Corp., Sub., General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Newark Controls Co	15 Ward St, Bloomfield	NJ
Potter Aeronautical Corp	Rt 22, Union	NJ
Resitron Laboratories, Inc	2908 Nebraska Ave, Santa Monica	Cal
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Turner Corp	821 Park Ave, Sycamore	Ill
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	Eng
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

DETECTORS —*LEAK, WATER*

AMERICAN ELECTRONICS, INC., NUCLEAR DIV., Adv Pg 412	**9459 W. Jefferson Blvd, Culver City**	**Cal**
Atronic Products, Inc	1 Bala Ave, Bala-Cynwyd	Pa
Dytronics	P.O. Box 3676, Columbus 14	Ohio
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Gates & Co., George W.	Hempstead & Lucille, Franklin Sq	NY
Goldak Co., Inc	Dept. E, 1544 W. Glenoaks, Glendale 1	Cal
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Newark Controls Co	15 Ward St, Bloomfield	NJ
Potter Aeronautical Corp	Rt 22, Union	NJ

DETECTORS —*METAL, ELECTRONIC*
1. BURIED 2. INDUSTRIAL 3. MEDICAL 4. UNDERWATER

Allis Chalmers Mfg. Co., 2	935 S. 70th St, Milwaukee 1	Wisc
Berman Laboratories, 3	112-03 Rockaway Blvd, Ozone Park 20	NY
Brilmayer Labs, Inc., E. W., 2	86 Fulton St, New York 38	NY
CHESAPEAKE INSTRUMENT CORP., 4, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Computer Measurements Corp., 1	5528 Vineland Ave, North Hollywood	Cal
Deitz Co., S.J., 2	9 E. Wesley, South Hackensack	NJ
Dice Co., J.W., 2	Englewood	NJ
Dytronics, 1-2-4	P.O. Box 3676, Columbus 14	Ohio
Electro-Mechanical Research, Inc., 1-2-4	P.O. Box 3041, Sarasota	Fla
Forway Industries, Inc., 2	122 Green Ave, Woodbury	NJ
GPL Div., General Precision, Inc., 3	63 Bedford Rd, Pleasantville	NY
Gardiner Electronics, 1-2-4	2545 E. Indian School Rd, Phoenix	Ariz
Goldak Co., Inc., 1-2-4	Dept. E, 1544 W. Glenoaks, Glendale 1	Cal
Good Electronic Corp., 3	P.O. Box 2406, W. Palm Beach	Fla
Gulton Industries, Inc., 3-4	212 Durham Ave, Metuchen	NJ
Harworth Mfg. Co., 3	409 El Camino Real, Menlo Park	Cal
ITT Laboratories, 1-2-3-4	500 Washington Ave, Nutley 10	NJ
Instrument Laboratories, 1	315 W. Walton Pl, Chicago 10	Ill
Interstate Electronics Corp., 2-3-4	707 E. Vermont Ave, Anaheim	Cal
KEARFOTT DIV., GEN PRECISION, INC., 4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Magnaflux Corp., Sub, General Mills, 1-4	7328 W. Lawrence Ave, Chicago 31	Ill
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
Omco	US 93 & Las Palomas, Kingman	Ariz
Par Products Corp., 3	602 Colorado Ave, Santa Monica	Cal
Photobell Co., Inc., 2	43 Vesey St, New York 7	NY
Ram Electronics, Inc., 3-4	600 Industrial Ave, Paramus	NJ
Rank Cintel Ltd., 1-2-3-4	Worsley Bridge Rd, London S.E. 26, England	
Sunshine Scientific Instrument, 2	1810 Grant Ave, Philadelphia 15	Pa
TELECHROME MFG. CORP., 2, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telephonics Corp., 4	Park Ave, Huntington	NY
TELEVISION UTILITIES CORP., DIV OF NORD, 2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
21st Century Electronics, Inc., 1-2-3-4	P.O. Box 2326, Riverside	Cal
Unit Process Assemblies, Inc., 2	61 E. 4th St, New York 3	NY
Yellow Springs Instrument Co., Inc., 3	P.O. Box 106E, Yellow Spring	Ohio

DETECTORS —*MICROWAVE* See **BOLOMETERS: DIODES** —*CRYSTAL*

DETECTORS —*MICROWAVE, COMPLETE ASSEMBLIES*
1. FIXED TUNED 2. TUNABLE

Aircom, Inc., 1-2	48 Cummington St, Boston	Mass
Airtec, Inc., 1-2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab Inc., 1	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 1-2, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 1, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
DEMORNAY-BONARDI, 1-2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., 1-2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
EMPIRE DEVICES PRODUCTS CORP., 1-2, Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc., 1-2	P.O. Box 504, Asbury Park	NJ
HALLICRAFTERS CO., 1-2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 1-2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 1-2	35 Old County Rd, Westbury	NY
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
LIECO, INC., 1-2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, 1, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Melabs, 1	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc., 1-2	8739 S. Millergrove Dr, Whittier	Cal
Merrimac Research & Development, Inc., 1	517 Lyons Ave, Irvington	NJ
MICROLAB, 1-2, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1-2	Box 1166, Greenwich	Conn
Microwave Associates, Inc., 1-2	Burlington	Mass
Microwave Development Labs. Inc., 2	92 Broad St, Babson Park 57	Mass
Narda Microwave Corp., 2	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc., 1-2	P.O. Box 308, Rowley	Mass
PRD ELECTRONICS, INC., 1-2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 1-2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 1-2	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Design Corp., 1-2	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp., 1-2	190 Duffy Ave, Hicksville	NY
Scientific-Atlanta, Inc., 1-2	2162 Piedmont Rd N.E., Atlanta 9	Ga
SPERRY MICROWAVE ELECTRONICS CO., 1-2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Telonic Engineering Corp., 1	733 Broadway, Laguna Beach	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2	Balch St, Beverly	Mass
Waveline, Inc., 1-2	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., 1, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

DETECTORS —*NULL* See **INDICATORS** —*NULL*
DETECTORS —*RADIATION* See **COUNTERS** —*NUCLEAR PARTICLE*

DETECTORS —*SMOKE, ELECTRONIC*

Cerberus AG	Mannedorf, Switzerland	
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
ITT Laboratories, Components & Instrumentation Div	3700 E. Pontiac St, Ft. Wayne	Ind
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Phoenix Precision Instrument Co	3805 N. Fifth St, Philadelphia	Pa
Tele-Smoke Corp	17 Ward St, Bloomfield	NJ
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Worner Electronic Devices	Rankin	Ill

DETECTORS —*STANDING-WAVE*
1. MICROWAVE 2. R-F

Aircom, Inc., 1-2	48 Cummington St, Boston	Mass
Airtec, Inc., 1	139 E. First Ave, Roselle	NJ
ALFORD MFG. CO., 1-2, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Antennavision, Inc., 2	2949 W. Osborn Rd, Phoenix	Ariz

Aviation Electric, Ltd., 1-2	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
BIRD ELECTRONIC CORP., 2, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
BUDD-STANLEY CO., INC., 1, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp., 1	301 W. Hoffman Ave, Lindenhurst	NY
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, 1, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., 1, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., 1, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Farrand Optical Co., Inc., 1	Bronx Blvd at 238th St, New York 70	NY
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, 1, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
Globe Electronics, Div Textron Electronics, Inc., 2	22-30 S. 34th St, Council Bluffs	Iowa
Graham Mfg. Co., Inc., 1	470 Bridge St, East Greenwich	RI
HALLICRAFTERS CO., 1-2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 1-2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 1-2	35 Old County Rd, Westbury	NY
Johnson Co., E.F., 2	Waseca	Minn
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1-2, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 1	1079 Commonwealth, Boston 15	Mass
Microtech, Inc., 1	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc., 1	Burlington	Mass
MICROWAVE COMPONENTS, INC., 1, Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America, 1-2	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 1	92 Broad St, Babson Park 57	Mass
Microwave Electronic Tube Co., Inc., 1-2	76 Lafayette St, Salem	Mass
N.R.K. Mfg. & Engineering Co., 1-2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 1	118-160 Herricks Rd, Mineola	NY
Nichols Products Co., 1	323 W. Main St, Moorestown	NJ
Omega Laboratories, Inc., 1	P.O. Box 308, Rowley	Mass
PRD ELECTRONICS, INC., 1, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 1, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 1, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp., 1-2	190 Duffy Ave, Hicksville	NY
Rohde & Schwarz, USA, Inc., 1-2	P.O. Box 275, Passaic	NJ
Sage Laboratories, Inc., 1	3 Huron Dr, Natick	Mass
Scientific-Atlanta, Inc., 1-2	2162 Piedmont Rd N.E., Atlanta 9	Ga
SPERRY MICROWAVE ELECTRONICS CO., 1, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	Eng
Telonic Engineering Corp., 2	733 Broadway, Laguna Beach	Cal
Trad Electronics Corp	1001 First Ave, Asbury Park	NJ
Victor R.F. & Microwave Co., 1	36 W. Water St, Wakefield	Mass
Waveline, Inc., 1	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., 1-2, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

DETECTORS *–VIBRATION See* INDICATORS *–VIBRATION*
DEVIATION BRIDGES *See* BRIDGES
DEW-POINT INDICATORS *See* INDICATORS *–DEW POINT*
DIAGNOSTIC EQUIPMENT *–COMPUTER See* TESTERS *–COMPUTER*
DIAGNOSTIC EQUIPMENT *–MEDICAL See* DESIRED INSTRUMENT
DIAL CORDS *See* CORDS *–DIAL*
DIAL CRYSTALS *See* WINDOWS *–DIAL*
DIAL DRIVE BELTS *See* BELTS
DIAL LAMPS *See* LAMPS
DIAL LOCKS *See* LOCKS *–DIAL*
DIAL POINTERS *See* POINTERS *–DIAL*

DIALS

1. INSTRUMENT 2. PRECISION 3. TURNS-COUNTING

ACKERMAN ENGRAVERS, INC., 2, Adv Pg 551	**458 Broadway, New York**	**NY**
Acromark Co., The, 1-2	323 Morrell St, Elizabeth 4	NJ
ACTON LABS, INC., 3, Adv Pg 222	**533 Main St, Acton**	**Mass**
Allegheny Plastics, Inc., 1	Rt. 51, Thorn Run Rd, Coraopolis	Pa
Allied Engraving & Stamping Co., 2	701 Seneca St, Buffalo 10	NY
AMERAC, INC., 3, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Apahouser Corp., 1-2	1312 Boylston St, Boston	Mass
Asquith Co., S.A., 1-2-3	427 W. Chevy Chase Dr, Glendale	Cal
Bodnar Industries, Inc., 1-2	238 Huguenot St, New Rochelle	NY
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 3, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
Brady Co., W.H., 1	727 West Glendale Ave, Milwaukee 12	Wisc
Canadian Radium & Uranium Corp., 1-2-3	630 Fifth Ave, New York 20	NY
Chicago Thrift-Etching Corp., 1-2	1557 N. Sheffield Ave, Chicago	Ill
Connecticut Instrument Corp., 1	Route 7, Wilton	Conn
Croname, Inc., 1-2	6247 Howard St, Chicago 48	Ill
Darrill Products Corp., 1	107 Falmouth St, Attleboro	Mass
Dietz Co., Inc., Henry G., 1	12-16 Astoria Blvd, Long Island City 2	NY
Digitran Co., 3	660 S. Arroyo Pkwy, Pasadena	Cal
Dura Plastics of New York, Inc., 1-2	303 Fifth Ave, New York 16	NY
Duralith Corp., 1	1025 Race St, Philadelphia 7	Pa
Electric Tachometer Corp., 1	68 & Upland Sts, Philadelphia	Pa
Electro-Chemical Engraving Co., 1-2	1100 Brook Ave, New York 56	NY
Electro-Mechanical Instrument Co., 1	813 Chestnut St, Perkasie	Pa
ELECTRO SEAL CORP., 1, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Emerson Plastics Corp., 1-2	1383 Seabury Ave, Bronx 61	NY
Eugene Engineering Co., Inc., 1-2	1217 Hyde Park Ave, Hyde Park 36	Mass
Feay Co., Neal, 1-2	133 La Patera Ave, Goleta	Cal
Fisher & Crome, 1	107 N. Camac St, Philadelphia 7	Pa
GENERAL COMMUNICATION CO., 1, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
General Components Co., 1-2	225-229 E. 144th, New York 51	NY
GENERAL RADIO CO., 1-2, Adv Pg 285	**West Concord**	**Mass**
Gordon Enterprises, 2	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hamilton Watch Co., Industrial Div., 1-2	Lancaster	Pa
Helipot Div., Beckman Instruments, Inc., 3	2500 Fullerton Rd, Fullerton	Cal
Howell Instrument Co., 3	3101 Trinity St, Ft. Worth 7	Tex
Industrial Engravers, Inc., 1-2	2212 McDonald Ave, Brooklyn 23	NY
Jackson Bros (London) Ltd., 1-2	258 Broadway, New York 7	NY
Jodee Plastics, Inc., 1-2	36 Crescent St, Brooklyn 8	NY
Johnson Co., E.F., 1-3	Waseca	Minn
Kerrco, 1	Box 4178, Havelock Sta, Lincoln 7	Neb
Kilo Engineering Co., 1-2-3	2011 Third St, La Verne	Cal
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 1	80-08 45th Ave, Elmhurst 73	NY
Leyse Aluminum Co., 1-2-3	Kewaunee	Wisc
Metalphoto of Cincinnati, 1-2	7 E. 75 St, Cincinnati	Ohio
Millen Mfg. Co., James, 1-2-3	150 Exchange St, Malden	Mass
Monroe Industries, Inc., 1-2-3	932 36 St S.E., Grand Rapids 8	Mich
Muirhead & Co., Ltd., 2-3	Beckenham, Kent, England	
NATIONAL RADIO CO., 1-2, Adv. Pg 443	**37 Washington St, Melrose 76**	**Mass**
New England Etching Co., Inc., 1-2	25 Spring St, Holyoke	Mass
Oki & Willadsen, Ltd., 1-2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Plasteck, Inc., 1	Box 551, Poteau	Okla
Printloid Inc., 1-2	10-04 44th Ave, Long Island City 1	NY
Q-Circuits Div., Etching Co of California, 1	1208 Howard St, San Francisco 3	Cal
Reeves Instrument Corp., 1-2	Roosevelt Field, Garden City	NY
ROGAN BROTHERS, 1, Adv Pg 530	**8031 N. Monticello Ave, Skokie**	**Ill**
Ross Co., Milton, 1	239 Jacksonville Rd, Hatboro	Pa
Sillcocks-Miller Co., 1-2	Maplewood	NJ
Smith, Inc., Herman H., 1	2326 Nostrand Ave, Brooklyn 10	NY
Spectrol Electronics Corp., 1-2-3	1704 S. Del Mar, San Gabriel	Cal
STAFFORD MFG. CO., INC., 1-2-3, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Sterling Precision Corp., 1-2	5 Sintsink Dr E., Port Washington	NY
Sun Dial Corp., 1-2-3	E. Passaic Ave, Caldwell	NJ
Supreme Process Corp., 1-2-3	44 Bond St, Westbury	NY
Swenson Co., Inc., V.H., 1	552 Elm St, Kearny	NJ
Tablet & Ticket Co., 1-3	1021 W. Adams St, Chicago 7	Ill
Technicraft Co., 1	1156 Commonwealth Ave, Boston 34	Mass
TECHNOLOGY INSTRUMENT CORP., 1-2, Adv Pg 223	**533 Main St, Acton**	**Mass**
THETA INSTRUMENT CORP., 1-2, Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Unisco, Inc., 1	1061 Linden Ave, Ridgefield	NJ
United Fabricators Electronics, Inc., 1	Stillwater	Minn
U.S. RADIUM CORP., 1-2, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Vemaline Products Co., 1-2	P.O. Box 222ED, Hawthorne	NJ
Waldom Electronics, Inc., 1-2	4621 W. 53rd St, Chicago 32	Ill

DIAL WINDOWS *See* WINDOWS *–DIAL*
DIAMOND ABRASIVES *See* ABRASIVES
DIAMOND SAWS *See* WHEELS *–DIAMOND*
DIAMOND STYLI *See* NEEDLES

DIAPHRAGMS

1. GENERAL-PURPOSE 2. MICROPHONE 3. SPEAKER

BURKE & JAMES, INC., 1, Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Burton Instruments, Div Burton Mfg., 1	2520 Colorado Ave, Santa Monica	Cal
Colvin Labs., Inc., 1	364 Glenwood, East Orange	NJ
Foxboro Co., The, 1	Foxboro	Mass
Goodmans Industries Ltd., Axiom Works, 3	Wembley, Middlesex, England	
Hawley Products Co., 2-3	St. Charles	Ill
Racon Electric Co., 3	1261 Broadway, New York 1	NY
Waldom Electronics, Inc., 3	4621 W. 53rd St, Chicago 32	Ill
Welsh Co., Inc., Wm H., 2-3	2241 Indiana Ave, Chicago	Ill

DIATHERMY & DIATHERMY ACCESSORIES

BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BIRTCHER CORP., Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Fischer & Co., R.A.	517 Commercial St, Glendale 3	Cal
Merit Short Wave Diathermy Co	2758 Whittier Blvd, Los Angeles 23	Cal
Mooradian High Frequency Labs.	13 E. Fort Lee Rd, Bogota	NJ

DIELECTRIC-CONSTANT INDICATORS *See* TESTERS *–CAPACITOR*
DIELECTRIC HEATERS *See* HEATERS *–ELECTRONIC*

DIELECTRICS *–LIQUID See Also* COOLANTS *–DIELECTRIC LIQUID*

DOW CORNING CORP., Adv. Pgs. 238, 239	**Midland**	**Mich**
Esso Standard, Div of Humble Oil & Refining Co	15 W. 51 St, New York 19	NY
General Electric Co., Silicone Prods Dept	Dept A, Waterford	NY
Metachem Resins Corp	530 Wellington Ave, Cranston 10	RI
Minnesota Mining & Mfg. Co., Chemical Div.	900 Bush Ave, St. Paul 6	Minn
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Silicones Div., UCC	270 Park Ave, New York 17	NY

DIELECTRICS *–SOLID See* FILMS: GLASS: MICA: PAPER: TITANATES

DIES

Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
Remsel Industries, Inc	580 E. 40th St, Chicago 15	Ill
Whistler & Sons, Inc., S.B.	752 Military Rd, Buffalo 23	NY
York Metal Products, Inc	350 Greenwich St, New York 13	NY

DIFFERENTIAL AMPLIFIERS *See* AMPLIFIERS *–INSTRUMENTATION*
DIFFERENTIAL TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE. SPECIAL*
DIFFERENTIATING AMPLIFIERS *See* AMPLIFIERS *–COMPUTER*
DIGITAL ANALYZERS *See* ANALYZERS *–DIFFERENTIAL*
DIGITAL COMPARATORS *See* COMPARATORS
DIGITAL COMPUTER PARTS *See SUMMARY UNDER* COMPUTER PARTS
DIGITAL COMPUTERS *See* COMPUTERS *–GENERAL-PURPOSE:* COMPUTERS *–SPECIAL*
DIGITAL COMPUTING SERVICES *See* COMPUTING SERVICES
DIGITAL DELAY LINES *See* DELAY LINES
DIGITAL DISPLAYS *See* INDICATORS *–DIGITAL*
DIGITAL ENCODERS *See* ENCODERS
DIGITAL INPUT OSCILLATORS *See* OSCILLATORS
DIGITAL OHMMETERS *–See* OHMMETERS
DIGITAL PLOTTERS *See* PLOTTERS
DIGITAL PRINTERS *See* PRINTERS
DIGITAL READOUTS *See* INDICATORS *–DIGITAL*
DIGITAL RECORDERS *See* PRINTERS: RECORDERS *–MAGNETIC TAPE*

DIGITAL-TO-ANALOG CONVERTERS See CONVERTERS –*COMPUTER*
DIGITAL-TO-ANALOG DECODERS See DECODERS
DIGITAL TOTALIZERS See TOTALIZERS
DIGITAL VOLTMETERS See VOLTMETERS
DIMENSION CONTROLS See CONTROLS –*DIMENSION*
DIMENSION GAGES See GAGES –*DIMENSION*
DIODE BASES See BASES –*DIODE & TRANSISTOR*
DIODE CAPACITORS See CAPACITORS –*VARIABLE, VOLTAGE VARIABLE*
DIODE CASES See CASES –*DIODE & TRANSISTOR*
DIODE HOLDERS See HOLDERS
DIODE-MANUFACTURING MACHINES See MACHINES –*DIODE & TRANSISTOR MANUFACTURING*
DIODE MOUNTS See MOUNTS –*CRYSTAL. MICROWAVE*

DIODES –*CRYSTAL*
1. GERMANIUM 2. HIGH CURRENT 3. INTERMETALLIC 4. MIXER & DETECTOR, MICROWAVE 5. PHOTO (LIGHT-SENSITIVE) 6. SILICON 7. SILICON POWER 8. SWITCHING & CONTROL 9. SWITCHING, VERY HIGH SPEED 10. SWITCHING, FOUR-LAYER 11. TEMPERATURE-LIMITED 12. TUNNEL 13. ZENER REFERENCE See *Also* RECTIFIERS –*SEMICONDUCTOR, CONTROLLED*

AMERICAN ELECTRONIC LABS., INC., 1-4, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Elite, Inc. (Telefunken), 1	48-50 34 St, Long Island City	NY
AMPEREX ELECTRONIC CORP., 1-2-3-5-6-7-8-9-10-11-12-13, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
Ardwin Microlab Inc., 4	21 Spencer St, Stoneham 80	Mass
Avnet Electronics Corp., 1-6-7-8-9-12-13	70 State St, Westbury	NY
BENDIX AVIATION CORP., SEMICONDUCTOR PRODUCTS, RED BANK DIV., 6-7, Adv Pg 268	**201 Westwood Ave, Long Branch**	**NJ**
Bogue Electric Mfg. Co., 6-7	52 Iowa Ave, Paterson 3	NJ
BOMAC LABORATORIES, INC., 6, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Britton Electronics Corp., 2-3-6-7-13	19 Warren Pl, Mt. Vernon	NY
CBS ELECTRONICS, DIV., CBS, INC., 1-4-6-8-9, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
CLEVITE TRANSISTOR PRODUCTS, 1-4-6-8-9-12, Adv Pg 165	**241 Crescent St, Waltham 54**	**Mass**
Computing Devices of Canada, Ltd., 1-6-7	P.O. Box 508, Ottawa, Ontario, Canada	
Continental Device Corp., 6-8-9-13	12515 Chadron Ave, Hawthorne	Cal
Controls Co of America, 13	9555 Soreng, Schiller Park	Ill
CORNELL-DUBILIER ELECTRIC CORP., 1, Adv Pg 321	**South Plainfield**	**NJ**
Dallons Semiconductors Div., 6-7	5066 Santa Monica, L A 29	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 5, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Delco Radio Div, GMC., 7	700 E. Firmin St, Kokomo	Ind
ERIE RESISTOR CORP., 1-6-9, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
FXR, INC., 4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FAIRCHILD SEMICONDUCTOR CORP., 6-8-9, Adv Pg 440	**545 Whisman Rd, Mountain View**	**Cal**
Finney Co., 1-6	34 W. Interstate, Bedford	Ohio
General Electric Co., Semiconductor Products Dept., 12	Charles Bldg, Liverpool	NY
G. E. Co., Ltd of England, 1-2-4-6-8-13	80 Shore Rd, Port Washington	NY
GENERAL INSTRUMENT CORP., SEMICONDUCTOR DIV., 1-2-6-7-8-13, Adv Pg 458	**65 Gouverneur St, Newark 4**	**NJ**
GENERAL RADIO CO., 4, Adv Pg 285	**West Concord**	**Mass**
General Transistor Corp., 1-8-9-10-12	91-27-138th Pl, Jamaica 35	NY
Great Eastern Mfg. Co., 1-4-6	163 Remsen Ave, Brooklyn 12	NY
Guardian Electric Mfg. Co., 8	1621 W. Walnut St, Chicago 12	Ill
Hoffman Electronics, Semiconductor Div., 2-6-7-8-9-12-13	1001 N. Arden Dr, El Monte	Cal
Hughes Microwave Components Div., 1-6-12-13	Florence & Teale, Culver City	Cal
HUGHES SEMICONDUCTOR DIV., 1-2-6-7-8-9-13, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
Industro Transistor Corp., 12-13	35-10 36th Ave, Long Island City 6	NY
Intermetall Div., Clevite Corp., 1-6-7-13	Dusseldorf/West Germany	
International Diode Corp., 1-6-7	90 Forrest St, Jersey City 4	NJ
International Electronics Corp., (Mullard Equipment), 1-5-6-7-8-9-10-11-13	81 Spring St, New York 12	NY
INTERNATIONAL RECTIFIER CORP., 2-6-7-8-10-11-13, Adv. Pgs. 142, 143	**233 Kansas St, El Segundo**	**Cal**
Intl Tel & Tel Corp., Components Div., Semiconductor Dept., 2-3-6-7-13	P.O. Box 412, Clifton	NJ
KEARFOTT DIV., GEN PRECISION, INC., 4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kemtron Electron Products, Inc., 1-4-6-7	5 Prince Pl, Newburyport	Mass
Microwave Associates, Inc., 4-6-9	Burlington	Mass
MICROWAVE COMPONENTS, INC., 1, Adv Pg 517	**Doylestown**	**Pa**
MOTOROLA, INC., SEMICONDUCTOR PRODUCTS DIV., 6-7-13, Adv Pg 359	**5005 E. McDowell Rd, Phoenix**	**Ariz**
MULLARD OVERSEAS, LTD., 1-2-5-6-7-13, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Narda Microwave Corp., 4	118-160 Herricks Rd, Mineola	NY
Nippon Electric Co., Ltd., 4-5-6-8-9-13	Shiba-Mita, Tokyo, Japan	
NORTH AMERICAN ELECTRONICS, INC., 2-6-7-8-9-10-13, Adv Pg 455	**71 Linden St, West Lynn**	**Mass**
Nucleonic Products Co., 1-2-5-6-7	1601 Grande Vista Ave, Los Angeles 23	Cal
Ohmite Mfg. Co., 1	3601 Howard St, Skokie	Ill
Pacific Semiconductors, Inc., 6-7-9-13	10451 W. Jefferson, Culver City	Cal
PHILCO CORP., LANSDALE DIV., 1-3-4-6-9-12, Adv. Pgs. 78,79	**501 Church Rd, Lansdale**	**Pa**
PORTCHESTER INSTRUMENT CORP., 4, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Radar Measurements Corp., 10	190 Duffy Ave, Hicksville	NY
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., 6-7-12, Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Radio Development & Research Corp., 2-5-6-7-8	100 Pennsylvania Ave, Paterson 3	NJ
Ramyr Mfg. Co., 7	1779 N. Main St, Los Angeles 31	Cal
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-2-4-6-7-8-9, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Raytheon Co. Semiconductor Div., 1-2-4-6-7-8-9-12	215 1st Ave, Needham Hgts. 94	Mass
RHEEM SEMICONDUCTOR CORP., 2-6-7-8-9, Adv. Pgs. 198, 199	**P.O. Box 1327, Mountain View**	**Cal**
Sage Laboratories, Inc., 4	3 Huron Dr, Natick	Mass
Sarkes Tarzian Inc., Rectifier Div., 6-7	415 N. College Ave, Bloomington	Ind
SEMICON, INC., 6-7, Adv Pg 395	**Sweetwater Rd, Bedford**	**Mass**
Semiconductor Specialists, Inc., 1-4-6-7-8-9-12-13	5706 W. North Ave, Chicago 39	Ill
SEMI-ELEMENTS, INC., 1-2-4-5-6, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
SILICON TRANSISTOR CORP., 6, Adv Pg 112	**150 Glen Cove Rd, Carle Place**	**NY**
Slater Electric & Mfg. Co., 2-5-6-7-8-9	45 Seacliff Ave, Glen Cove	NY
Solitron Devices, Inc., 6-7	67 S. Lexington Ave, White Plains	NY
Sony Corp., 1-5-6-12	514 Broadway, New York 12	NY
SPERRY MICROWAVE ELECTRONICS CO., 4, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
SPERRY SEMICONDUCTOR DIV., SPERRY RAND CORP., 2-6-8-9-12, Adv Pg 178	**South Norwalk**	**Conn**
Standard Telephones & Cables, Ltd., 1-5-6-7-8-12-13	63 Aldwych, London W. C. 2	Eng
Sylvania Electric Prods. Inc., Semiconductor Div., 1-2-4-6-8-9-12	100 Sylvan Rd, Woburn	Mass
TECHNICAL APPARATUS BUILDERS, 1-6, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 5-6-7-8-9-12-13, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Thermosen, Inc., 11	375 Fairfield Ave, Stamford	Conn
Trans-Sil Corp., 2-3-6-7	55 Honeck St, Englewood	NJ
TRANSITRON ELECTRONIC CORP., 1-2-6-7-8-9-10-12-13, Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
TUNG-SOL ELECTRIC, INC., 6-7, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
United Mineral & Chemical Corp., 1-6-7	16 Hudson St, New York 13	NY
U.S. SEMICONDUCTOR PRODUCTS, DIV., UNITED INDUSTRIAL CORP., 6-13, Adv Pg 201	**3540 W. Osborn Rd, Phoenix**	**Ariz**
Vickers, Inc., Electric Products Div., 7	1899 Locust St, St. Louis 3	Mo
Victor R.F. & Microwave Co., 4	36 W. Water St, Wakefield	Mass

DIODE SOCKETS See SOCKETS
DIODE TESTERS See TESTERS –*DIODE*

DIPLEXERS –*MICROWAVE*

ACF Electronics Div	Riverdale	Md
Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Speciality Electronics Development Corp	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

DIP-SOLDERING MACHINES See MACHINES –*DIP-SOLDERING*
DIRECT CURRENT See D-C LISTINGS
DIRECTIONAL COUPLERS See COUPLERS –*DIRECTIONAL*
DIRECTIONAL GYROS See GYROS
DIRECTIONAL MAGNETIC COUPLERS See COUPLERS –*DIRECTIONAL TRANSMITTING ANTENNA*
DIRECTION-FINDER RECEIVERS See RECEIVERS –*RADIO NAVIGATION*
DIRECTION-FINDER TRANSMITTERS See TRANSMITTERS –*RADIO NAVIGATION*
DIRECT-WRITING OSCILLOGRAPHS See OSCILLOGRAPHS
DISK RECORDERS See RECORDERS –*DISK*

DISKS –*BLANK RECORDING*

Allied Recording Products Co	32-32 Greenpoint Ave, Long Island City 1	NY
Audio Devices, Inc	444 Madison Ave, New York 22	NY

DISPLACEMENT GYROS See GYROS
DISPLACEMENT-MEASURING GAGES See GAGES –*DIMENSION*
DISPLACEMENT TRANSDUCERS See TRANSDUCERS
DISPLAYS –*CATHODE-RAY* See TUBES –*CATHODE-RAY, SHAPED-BEAM & DATA-STORAGE*
DISPLAYS –*DIGITAL* See INDICATORS –*DIGITAL*
DISTORTION ANALYZERS & METERS See ANALYZERS –*DISTORTION*
DISTRIBUTION AMPLIFIERS See AMPLIFIERS – TV

DISTRIBUTORS
ONLY DISTRIBUTORS FEATURING ADVERTISEMENTS IN THE DISPLAY ADVERTISING SECTION *APPEAR IN THE FOLLOWING LIST:*

ARCO ELECTRONICS, INC., Adv Pg 324	**64 White St, New York 13**	**NY**
HILL & GRAY, Adv Pg 480	**41-1/2 Harrison, Oak Park**	**Ill**
INTERSTATE ELECTRONICS, INC., Adv Pg 552	**227 Fulton St, New York 7**	**NY**
MILGRAY ELECTRONICS, Adv Pg 348	**136 Liberty St, New York 6**	**NY**
RADIO CORP OF AMERICA, SEMICONDUCTOR PRODUCTS, DISTRIBUTOR SALES, Adv Pg Insert Preceding 3rd Cover	**Harrison**	**NJ**

RELAY SALES INC., Adv Pg 327	**P.O. Box 186-AB, West Chicago**	**Ill**
UNIVERSAL RELAY CORP., Adv Pg 565	**42 E. White St, New York 13**	**NY**

DIVERSITY RECEIVERS See -RECEIVERS -*RADIO COMMUNICATION*

DIVIDERS -*FREQUENCY*

Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Data Products Co., Inc	7320 Westmore Rd, Rockville	Md
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
HERMES ELECTRONICS CO., Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Iconix, Inc	945 Industrial, Palo Alto	Cal
M. F. ELECTRONICS, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Microphase Corp	Box 1166, Greenwich	Conn
Muirhead & Co., Ltd	Beckenham, Kent, England	
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Walkirt Co	141 W. Hazel St, Inglewood 3	Cal

DIVIDERS -*POWER, MICROWAVE*

ACF Electronics Div	Riverdale	Md
Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gar Precision Parts, Inc	190 Henry St, Stamford	Conn
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Merrimac Research & Development, Inc	517 Lyons Ave, Irvington	NJ
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sylvania Electric Prods. Inc., Semiconductor Div	100 Sylvan Rd, Woburn	Mass
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

DIVIDERS -*VOLTAGE*

DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
ELECTRO SCIENTIFIC INDUSTRIES INC., Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Development Corp	423 W. Broadway, Boston 27	Mass
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Minn-Honeywell, Rubicon Instruments	Ridge at 35 St, Philadelphia 32	Pa
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Ohmite Mfg. Co	3601 Howard St, Skokie	Ill
Pearson Electronics, Inc	707 Urban Ln, Palo Alto	Cal
Pyrofilm Resistor Co., Inc	U.S. Hwy 46, Parsippany	NJ
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
Ultronix, Inc	111 E. 20th Ave, San Mateo	Cal
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

DOLLIES -*LABORATORY & OSCILLOSCOPE*

Analab Instrument Corp	30 Canfield Rd, Cedar Grove	NJ
Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hughes Industrial Systems, Div	Intl Airport Sta, Los Angeles 45	Cal
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Technibilt Corp	905 Air Way, Glendale 1	Cal

Technical Service Corp	917-19 S. Third St, Louisville 3	Ky
Tektronix, Inc	P.O. Box 831, Portland 7	Ore

DOPES -*COIL*

Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Schenectady Varnish Co., Inc	Congress St & 10th Ave, Schenectady 3	NY

DOPES -*SEMI-CONDUCTOR* See ALLOYS -*SPECIAL PURPOSE*
DOPPLER RADAR See RADAR
DOSIMETER CHARGERS See CHARGERS -*DOSIMETER*

DOSIMETERS

Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Bendix Aviation Corp., Cincinnati Div	3130 Wasson Rd, Cincinnati 8	Ohio
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
EDGERTON, GERMESHAUSEN & GRIER, INC., Adv Pg 425	**160 Brookline Ave, Boston**	**Mass**
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Landsverk Electrometer Co	641 Sonora Ave, Glendale 1	Cal
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal

DRAFTING SUPPLIES
1. PAPER, CLOTH & FILM 2. PREPRINTED ELECTRONIC SYMBOLS 3. SMITH CHARTS 4. SYMBOL STAMPS, INK 4. TEMPLATES, ELECTRONIC SYMBOLS 6. TOOLS & EQUIPMENT

Brady Co., W.H., 2	727 West Glendale Ave, Milwaukee 12	Wisc
BRUNING CO., INC., CHARLES, 1-5-6 Adv Pg 525	**1800 Central Rd, Mt. Prospect**	**Ill**
By-Buk Co., 1-6	4314 W. Pico Blvd, Los Angeles 19	Cal
Chart-Pak, Inc., 1-2-5	Leeds	Mass
Copymation, Inc., 6	5650 N. Western, Chicago 18	Ill
Craftint Mfg. Co., 2	1615 Collamer Ave, Cleveland 10	Ohio
Dietzgen Co., Eugene, 1	2425 N. Sheffield Ave, Chicago 14	Ill
Duralith Corp., 2	1025 Race St, Philadelphia 7	Pa
E-Z-Way Templates, 5	P.O. Box 525, Reseda	Cal
Emeloid Co., Inc., 3-5	1239 Central Ave, Hillside 5	NJ
Erwood Inc., 6	1770 Berteau Ave, Chicago 13	Ill
Fisher & Crome, 5	107 N. Camac St, Philadelphia 7	Pa
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Griffin Co., John, 4	2117 Grand Ave, St. Paul 5	Minn
Karp Lawrence A., 5	Sawmill Rd, Greenwich	Conn
Keuffel & Esser Co., 1	Hoboken	NJ
KRENGEL MFG. CO., INC., Adv Pg 491	**227 Fulton St, New York 7**	**NY**
Matthews & Co., James H., 4	3821 Forbes Ave, Pittsburgh 13	Pa
Optical Gaging Products, Inc., 1-6	26 Forbes St, Rochester 11	NY
Ozalid Div., General Aniline & Film Corp., 1	Ansco Rd, Johnson City	NY
Pease Co., C.F., 1	2601 W. Irving Park Rd, Chicago	Ill
Post & Co., Frederick, 1-5-6	3650 N. Avondale Ave, P.O. Box 803, Chicago 90	Ill
Rapidesign, Inc., 5	P.O. Box 429, Burbank	Cal
STAFFORD MFG. CO., INC., 4, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Stanpat, 1-2-5	150-42 12th Rd, Whitestone 57	NY
Tech-Tac, Inc., 2	727 W. 7th St, Los Angeles 17	Cal
Universal Drafting Machine Corp., 6	7960 Lorain Ave, Cleveland 2	Ohio
Weil & Co., J.H., 1-2-5-6	1334 Cherry St, Philadelphia 7	Pa

DRAWN METAL PARTS See METAL PARTS -*DEEP-DRAWN*
DRILLING EQUIPMENT See MACHINES -*PRINTED-CIRCUIT PRODUCTION*
DRILL PRESSES See MACHINES -*DRILL PRESSES*
DRILLS -*ULTRASONIC* See ULTRASONIC EQUIPMENT
DRIVE BELTS -See BELTS

DRIVERS -*SPEAKER*

Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Lansing Sound, Inc., James B.	3249 Casitas Ave, Los Angeles 39	Cal

DRIVES -*ELECTRIC, SMALL* See MOTORS -*SUBTRACTIONAL - HP WITH GEAR DRIVE*

DRIVES -*VARIABLE-SPEED MECHANICAL* See *Also* CONTROLS -*MOTOR SPEED*

AUTOTRONICS, INC., Adv Pg 439	**P.O. Box 208, Florissant**	**Mo**
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Consolidated Diesel Electric Corp	880 Canal St, Stamford	Conn
Croname, Inc	6247 Howard St, Chicago 48	Ill
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Guidance Controls Corp	110 Duffy Ave, Hicksville	NY
Humphrey, Inc	2805 Canon St, San Diego 6	Cal
Insco Co., Div of Barry Controls, Inc	Hollis St, Groton	Mass
Jackson Bros (London) Ltd	258 Broadway, New York 7	NY
Metron Instrument Co	432 Lincoln St, Denver 3	Colo
Nemeth, Inc	2223 S. Carmalina Ave, Los Angeles 64	Cal
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Servo-Tek Products Co., Inc	1086 Goffle Rd, Hawthorne	NJ
U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY

DRUMS -*MEMORY* See MEMORIES -*COMPUTER*
DRY BATTERIES See BATTERIES
DRYERS See OVENS

DUCTS -*WIRING*

Columbia Metal Box Co	260 E. 143 St, New York	NY
Flexaust Co., The	100 Park Ave, New York 17	NY
Nelson Electric Mfg. Co	P.O. Box 5385, Tulsa 16	Okla
Panduit Corp	14461 Waverly, Middlothian	Ill
Taylor Electric, Inc	15400 Dale, Detroit 23	Mich
ZIPPERTUBING CO., Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

DUMMY LOADS See LOADS -*DUMMY*

DUPLEXERS -*MICROWAVE*

ACF Electronics Div	Riverdale	Md

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Cascade Research Div., Monogram	5245 San Fernando Rd W., L A 39	Cal
Chance Vought Aircraft, Inc	P. O. Box 5907, Dallas 22	Tex
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
FERROTEC, INC., Adv Pg 514	**217 California St, Newton 58**	**Mass**
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Kennedy & Co., D.S.	Cohasset	Mass
Laboratory for Electronics, Inc.	1079 Commonwealth, Boston 15	Mass
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc.	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

DUPLICATORS —*MAGNETIC TAPE*

Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla

DUST CHAMBERS See **CHAMBERS**
DUST-FREE ENCLOSURES See **ENCLOSURES**
DUST-FREE HOODS See **HOODS**
DUST —*MAGNETIC* See **IRON POWDER**
DUST PRECIPITATORS See **PRECIPITATORS**
DYNAMIC PICKUPS See **PICKUPS** —*PHONOGRAPH*

DYNAMOMETERS

Bischof Die & Engraving	1405 16 St, Racine	Wisc
Cosa Corp.	405 Lexington Ave, New York 17	NY
Dillon & Co., Inc., W.C.	14620 Keswick St, Van Nuys	Cal
Eder Engineering Co.	1568 S. 1st St, Milwaukee 4	Wisc
Howe Scale Co.	Rutland	Vt
L. A. B. Corp.	992 Onondaga, Skaneateles	NY
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill

DYNAMOTORS

Aircraft Radio Corp	Boonton	NJ
Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
Continental Electric Co., Inc	334 Ferry St, Newark 5	NJ
Eicor Div of The Scranton Corp	4059 W. North Ave, Chicago 39	Ill
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Heinz-Mueller Engineering Co., Inc	4725 Iowa St, Chicago 51	Ill
IMC MAGNETICS CORP., Adv Pg 186	**570 Main St, Westbury**	**NY**
Redmond Co., Inc	201 Monroe St, Owosso	Mich
Sangamo Electric Co	1201 N. 11 St, Springfield	Ill
Siemon Mfg. Co	P.O. Box 275, Wayne	Ill
Small Motors, Inc	2076 Elston Ave, Chicago 14	Ill
VICTOR-BERNARD INDUSTRIES, Adv Pg 564	**4566 Baker St, Philadelphia 27**	**Pa**
Wincharger Corp	E. 7th & Division Sts, Sioux City	Iowa

EARPHONES —*MINATURE (HEARING-AID TYPE)*

ALCO ELECTRONIC PRODUCTS, INC., Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
American Geloso Electronics	251 Park Ave S., New York	NY
Amplivox Ltd	Beresford Ave, Wembley, Middlesex, England	
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Audivox, Inc	123 Worcester St, Boston	Mass
Electro Sonic Labs., Inc	35-54 36th St, Long Island City 6	NY
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
Fedtro, Inc	Fed Electr Bldg, Rockville Centre	NY
Gotham Audio Corp	2 W. 46 St, New York 36	NY
Guidance Controls Corp	110 Duffy Ave, Hichsville	NY
Hoffman Co., H.L.	35 Old County Rd, Westboro	NY
KNOWLES ELECTRONICS, INC., Adv Pg 520	**10545 Anderson Pl, Franklin Park**	**Ill**
Minicord Corp of America	1913 Atlantic Ave, Atlantic City	NJ
Murdock Corp	158 Carter St, Chelsea	Mass
Myers & Sons, Inc., E.A.	Radioear Bldg, Valley Brook Rd, Canonsburg	Pa
Nipco Mfg. Co., Ltd	1-36 Okachimachi, Daitoku, Tokyo, Japan	
Plastic Mold & Engineering Co	Wampanoag Trail, P.O. Box 4265, East Providence 14	RI
Roflan Co	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Superex Electronics Corp	4-6 Radford Pl, Yonkers	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Vari Corp	2825 Cedar Ave, Minneapolis	Minn
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

Zenith Radio Corp	6001 Dickens Ave, Chicago 39	Ill

ECHO BOXES —*MICROWAVE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
MEASUREMENTS DIV., McGRAW-EDISON CO., Adv Pg 546	**Boonton**	**NJ**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Microwave Electronic Tube Co., Inc	76 Lafayette St, Salem	Mass
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

EIA BOXES See **BOXES** —*DECADE & EIA VALUES*
ELAPSED-TIME METERS See **TIMERS** —*MOTOR-OPERATED*
ELBOWS —*MICROWAVE* See **BENDS**
ELECTRIC FURNACES See **FURNACES** —*ELECTRIC*
ELECTRIC MOTOR CONTROL See **CONTROLS** —*MOTOR SPEED*
ELECTRIC MOTORS See **MOTORS**
ELECTRIC OVENS See **OVENS. DRYERS & DEHYDRATORS**
ELECTRIC SHEETS See **STEEL** —*ELECTRIC*
ELECTROCARDIOGRAPHS See **CARDIAC EQUIPMENT**

ELECTROENCEPHALOGRAPHS

Electro-Medical Lab., Inc	South Woodstock 8	Vt
Essential Electronics Corp	1011 Power Ave, Cleveland 14	Ohio
Grass Instrument Co	101 Old Colony Ave, Quincy	Mass
Medistor Instrument Co	1443 Northlake Way, Seattle 3	Wash
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamacia 32	NY
21st Century Electronics, Inc	P.O. Box 2326, Riverside	Cal

ELECTROFORMED METAL PARTS See **METAL PARTS** —*ELECTROFORMED*
ELECTROFORMED WAVEGUIDE See **WAVEGUIDES** —*COMPLETE*

ELECTROFORMING SERVICES

Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Bart Mfg. Corp	227 Main St, Belleville	NJ
Bone Engineering Corp.	701 W. Broadway, Glendale 4	Cal
General Electronic Labs., Inc.	18 Ames St, Cambridge	Mass
Sifco Metachemical, Inc	935 E. 63 St, Cleveland 3	Ohio
Ultra Electroforming & Mfg. Co	112 Cedar Ave, Pitman 6	NJ

ELECTROLESS PLATING CHEMICALS See **CHEMICALS** —*PLATING*
ELECTROMAGNETIC COUNTERS See **COUNTERS** —*ELECTROMAGNETIC*
ELECTROMAGNETS See **SOLENOIDS**

ELECTROMETERS

American Tradair Corp., Sub of Ekco Electronics, Ltd	34-01 30 St, Long Island City 6	NY
Applied Physics Corp	2724 S. Peck Rd, Monrovia	Cal
Applied Radiation Corp	2404 N. Main St, Walnut Creek	Cal
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
E-H RESEARCH LABORATORIES, INC., Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Epic, Inc	150 Nassau St, New York 38	NY
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Halex, Inc.	310 E. Imperial Hwy, El Segundo	Cal
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Keithley Instruments, Inc.	12415 Euclid Ave, Cleveland 6	Ohio
Landsverk Electrometer Co	641 Sonora Ave, Glendale 1	Cal
Medistor Instrument Co	1443 Northlake Way, Seattle 3	Wash
MID-EASTERN ELECTRONICS, INC., Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
STICHT CO., INC., HERMAN H., Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Tullamore Electronics Corp.	6055 S. Ashland Ave, Chicago 36	Ill
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

ELECTROMETER TUBES See **TUBES** —*ELECTROMETER*

ELECTROMYOGRAPHS

Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Data Technology, Inc	1122 E. San Mateo S.E., Albuquerque	NM
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Grass Instrument Co	101 Old Colony Ave, Quincy	Mass
Medistor Instrument Co	1443 Northlake Way, Seattle 3	Wash
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Process & Instruments	15 Stone Ave, Brooklyn 33	NY
Teca Corp.	80 Main St, White Plains	NY

ELECTRON DIFFRACTION EQUIPMENT

New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Process & Instruments	15 Stone Ave, Brooklyn 33	NY

ELECTRON GUNS See **TUBE PARTS**
ELECTRONIC CHEMICALS See **CHEMICALS** —*ELECTRONIC*
ELECTRONIC CIRCUIT DEMONSTRATORS See **DEMONSTRATORS**
ELECTRONIC CUTTING KNIVES See **ELECTROSURGICAL APPARATUS**
ELECTRONIC HARDWARE See **HARDWARE**
ELECTRONIC HEATERS See **HEATERS** —*ELECTRONIC*
ELECTRONIC HEATING OVENS See **OVENS. DRYERS & DEHYDRATORS**
ELECTRONIC MOTOR CONTROLS See **CONTROLS** —*MOTOR SPEED*
ELECTRONIC MUSICAL INSTRUMENTS See **INSTRUMENTS** —*ELECTRONIC, MUSICAL*
ELECTRONIC SELF-BALANCING RECORDERS See **RECORDERS** —*GRAPHIC*
ELECTRONIC VOLTMETERS See **VOLTMETERS** —*ELECTRONIC*
ELECTRON MICROSCOPES See **MICROSCOPES** —*ELECTRON*
ELECTROPLATING ANODES See **ANODES**

ELECTROPLATING CHEMICALS See CHEMICALS —*PLATING*
ELECTROPLATING SERVICES See PLATING SERVICES

ELECTROPLETHYSMOGRAPHS

Biophysical Electronics, Inc	New Hope	Pa
Decker Corp	43 Monument Rd, Bala Cynwyd	Pa
Grass Instrument Co	101 Old Colony Ave, Quincy	Mass
Process & Instruments	15 Stone Ave, Brooklyn 33	NY

ELECTROSHOCK THERAPY EQUIPMENT

Multitone of Canada Ltd	130 Merton St, Toronto 7, Canada	
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill

ELECTROSTATIC CLEANERS See CLEANERS —*AIR*
ELECTROSTATIC GENERATORS See GENERATORS —*ELECTROSTATIC*
ELECTROSTATIC SHIELDING See SHIELDING

ELECTROSTATIC SPRAY SYSTEMS

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Scientific Electric, Inc	105-119 Monroe St, Garfield	NJ

ELECTROSTATIC VOLTMETERS See VOLTMETERS
ELECTROSTRICTIVE TRANSDUCERS See TRANSDUCERS

ELECTROSURIGICAL APPARATUS

AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
BIRTCHER CORP., Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Coil Co of America, Inc	220 Washington St, Northvale	NJ
Design Tool Corp	772 Bergen St, Brooklyn 38	NY
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Mooradian High Frequency Labs	13 E. Fort Lee Rd, Bogota	NJ
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio

ELEMENTS —*HEATING*

CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Coil Co of America, Inc	220 Washington St, Northvale	NJ
Cox & Co., Inc	115 E. 23rd St, New York 10	NY
Eagle Electric Mfg. Co., Inc	23-10 Bridge Plaza S., L.I. City	NY
Electrowest, Inc	2351 Albatross Way, Sacramento 15	Cal
Hotwatt, Inc	75 Maple St, Danvers	Mass
Industrial Engineering & Equipment Co	22 Hanley Industrial Ct, St. Louis	Mo
Merco Products, Inc	1298 Bethel Dr, Eugene	Ore
Minco Products, Inc	740 Washington Ave, N., Minneapolis 1	Minn
Miskella Infra-Red Co., The	E. 73rd & Grand Ave, Cleveland 4	Ohio
National Carbon Co., Div., UCC	270 Park Ave, New York 17	NY
Norton Co	1 New Bond St, Worcester 6	Mass
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Safeway Heat Element, Inc	680 Middlefield St, Middletown	Conn
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Therm-O-Lab Corp	6940 Farmdale Ave, North Hollywood	Cal
Vulcan Electric Co	88 Holten St, Danvers	Mass
Watlow Electric Mfg. Co	1376 Ferguson Ave, St. Louis 14	Mo

ELEVATOR CONTROLS See CONTROLS —*ELEVATOR*
ELIMINATORS —*BATTERY* See POWER SUPPLIES — *D-C OUTPUT*
EMBEDDED ASSEMBLIES See ENCAPSULATED ASSEMBLIES
EMBOSSED CIRCUITS See CIRCUITS —*PRINTED WIRING, CUSTOM SERVICE*
EMBOSSED FILM RECORDERS See RECORDERS —*FILM*
EMERGENCY COMMUNICATION SYSTEMS See COMMUNICATION SYSTEMS
ENAMELED WIRE See WIRE —*MAGNET*

ENAMELS

Ambroid Co	P.O. Box 30. Weymouth 88	Mass
Borthig Co., Inc., George C.	P.O. Box 11 A, East Rutherford	NJ
Maas & Waldstein Co	2121 McCarter Hwy, Newark 4	NJ
Midland Industrial Finishes Corp	Dept I-20, Waukegan	Ill
Schenectady Varnish Co., Inc	Congress St & 10th Ave, Schenectady 3	NY
Standard-Toch Chemicals, Inc	2600 Richmond Terr, Staten Island 3	NY

ENAMELS —*PAINT* See PAINTS & PRIMERS

ENCAPSULATED ASSEMBLIES & COMPONENTS See *Also* CIRCUITS — *PACKAGED:* RESISTORS —*ENCAPSULATED*

ACDC ELECTRONICS, INC., Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
Acme Wire Co	New Haven 14	Conn
Advanced Electronics, Inc	94 Silas Deane Hwy, Rocky Hill	Conn
Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
AIRFLYTE ELECTRONICS CO., Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Airtronics International Corp	P.O. Box 8576, Fort Lauderdale	Fla
Allied Allegri, Inc	141 River Rd, Nutley	NJ
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Development Electronics Co	212 Central Ave, Newark	NJ
American-Monarch Corp	2801 36 Ave N.W., Minneapolis 18	Minn
AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
ANSLEY MFG. CO., ARTHUR, Adv Pg 536	**New Hope**	**Pa**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Artronic Instrument Co	11232 Triangle Ln, Silver Spring	Md
Artted Co., Inc	367 Worthington St, Springfield 3	Mass
Atohm Electronics	7648 San Fernando Rd, Sun Valley	Cal
Automated Circuits Inc	P.O. Box 38, Station J, Buffalo 8	NY
Bacon Industries, Inc	192 Pleasant St, Watertown 72	Mass
Becker Electronics Mfg. Corp	Horton & Rockaway, Valley Stream	NY
Blackburn Electronic Corp	55 W. 7th St, Wyoming	Pa
C&K Components, Inc	101-103 Morse St, Newton 58	Mass
Cadre Industries Corp	P. O. Box 150, Endicott	NY
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Coil Co of America, Inc	220 Washington St, Northvale	NJ
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
DALE PRODUCTS, INC., Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
DANO ELECTRIC CO., Adv Pg 544	**Main St, Winsted**	**Conn**
DAVEN CO., Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DELUXE COILS, INC., Adv Pg 141	**P.O. Box 454, Wabash**	**Ind**
Di An Controls, Inc	40 Leon St, Boston 15	Mass.
Doty Acoustical Electronic Labs	Tobyhanna	Pa
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
EIR Corp	5177 Overland Ave, Culver City	Cal
Electrical Service Co	1271 Mission St, San Francisco	Cal
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Electronic Production & Development, Inc	501 N. Prairie Ave, Hawthorne	Cal
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
Electropac	62 Union St, Peterborough	NH
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fae Instrument Corp	42-61 Hunter St, Long Island City 2	NY
Fisher Engineering, Inc	2060 U.S. 24 E. Box 327, Huntington	Ind
G B COMPONENTS, INC., Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
GENERAL INSTRUMENT CORP., SEMICONDUCTOR DIV., Adv Pg 458	**65 Gouverneur St, Newark 4**	**NJ**
Good Electronic Corp	P.O. Box 2406, W. Palm Beach	Fla
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Greenfield Components Corp	184 Shelburne St, Greenfield 16	Mass
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
J-B-T INSTRUMENTS, INC., Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
Kurz & Root Co	Appleton	Wisc
M. F. ELECTRONICS, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
MAGNETIC CONTROLS CO., Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Mercury Engineering Corp	337 E. Cottage Pl, York	Pa
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Mitronics, Inc	1290 Central Ave, Hillside	NJ
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Mutron Corp	125 Perkins Ave, Brockton	Mass
National Coil Co	P.O. Box 1237, Sheridan	Wyo
Pendar, Inc	14744 Arminta St, Van Nuys	Cal
Penn Keystone Corp	P.O. Box 350, Hawkins St, Derby	Conn
Photo Color Process Co	400 W. Commercial St, East Rochester	NY
Plastronic Engineering Co	721 Boston Post Rd, Marborough	Mass
Precision Inc	4748 France Ave N., Minneapolis	Minn
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Raytheon Co. Semiconductor Div	215 1st Ave, Needham Hgts. 94	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
SATURN ELECTRONICS CORP., Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
SHALLCROSS MFG. CO., Adv Pg 148	**Selma**	**NC**
Spec-Tronics	13942 Saticoy Ave, Van Nuys	Cal
Standard Winding Corp	44-62 Johnes St, Newburgh	NY
Stanwyck Winding Co	137 Walsh Ave, Newburgh	NY
Stratocon Corp	P.O. Box 10, Morristown	NJ
Superex Electronics Corp	4-6 Radford Pl, Yonkers	NY
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Thomson Mfg. Co., Judson L.	22 Sawyer Rd, Waltham 54	Mass
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamacia 32	NY
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
TRANSITRON ELECTRONIC CORP., Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
Trans-Sil Corp	55 Honeck St, Englewood	NJ
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Ultronix, Inc	111 E. 20th Ave, San Mateo	Cal
Unison Products, Inc	705 W. Savidge St, Spring Lake	Mich
Venner Electronics, Ltd	Kingston By-Pass, New Malden	Eng
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Walkirt Co	141 W. Hazel St, Inglewood 3	Cal
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**

ENCAPSULATING COMPOUNDS See RESINS —*ENCAPSULATING*
ENCAPSULATING FORMS See FORMS —*EPOXY*
ENCAPSULATING RESINS See RESINS —*ENCAPSULATING*

ENCAPSULATION SERVICES

Acme Wire Co	New Haven 14	Conn
AIRFLYTE ELECTRONICS CO., Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
AMP, INC., Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Artronic Instrument Co	11232 Traingle Ln, Silver Spring	Md
Atohm Electronics	7648 San Fernando Rd, Sun Valley	Cal
Bacon Industries, Inc	192 Pleasant St, Watertown 72	Mass
Becker Electronics Mfg. Corp	Horton & Rockaway, Valley Stream	NY
Bernco Engineering Corp	2320 S. Tibbs Ave, Indianapolis	Ind
Biggs Co., Inc., Carl H.	1547 14th St, Santa Monica	Cal
Biwax Corp	3445 Howard St, Skokie	Ill
Blackburn Electronic Corp	55 W. 7th St, Wyoming	Pa
C&K Components, Inc	101-103 Morse St, Newton 58	Mass
Chemical Development Corp	Endicott St, Danvers	Mass
COMPONENTS FOR RESEARCH, INC., Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
DALE PRODUCTS, INC., Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
Delsen Corp	719 W. Broadway, Glendale 4	Cal
DELUXE COILS, INC., Adv Pg 141	**P.O. Box 454, Wabash**	**Ind**
EIR Corp	5177 Overland Ave, Culver City	Cal
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Electronic Production & Development, Inc	501 N. Prairie Ave, Hawthorne	Cal
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Fisher Engineering, Inc	2060 U.S. 24 E. Box 327, Huntington	Ind
G B COMPONENTS, INC., Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**

Good Electronic Corp	P.O. Box 2406, W. Palm Beach	Fla
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Hull Corp	Davisville Rd, Hatboro	Pa
Hysol Corp	Olean	NY
Industrial Transformer Corp	Gouldsboro	Pa
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
MacLeod & Hanopol, Inc	10 Roland St, Charlestown 29	Mass
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Metachem Resins Corp	530 Wellington Ave, Cranston 10	RI
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Mutron Corp	125 Perkins Ave, Brockton	Mass
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Plastics & Coal Chem Div., Allied Chem Corp	40 Rector St, New York 6	NY
Plastronic Engineering Co	721 Boston Post Rd, Marborough	Mass
Red Point Corp	105 W. Spazier Ave, Burbank	Cal
RHO Engineering Co	2242 Sepulveda Blvd, Los Angeles 64	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
SATURN ELECTRONICS CORP., Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Stratocon Corp	P.O. Box 10, Morristown	NJ
Superex Electronics Corp	4-6 Radford Pl, Yonkers	NY
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamacia 32	NY
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Twin City Metalseal Corp	801 S.E. 8th St, Minneapolis 14	Minn
Unison Products, Inc	705 W. Savidge St, Spring Lake	Mich
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Walkirt Co	141 W. Hazel St, Inglewood 3	Cal

ENCLOSURES —*DUST-FREE*

American Aluminum Co	230 Sheffield St-C, Mountainside	NJ
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Controlled Atmosphere Enclosures Mfg. Co	1061 E. 8th St, Jacksonville 6	Fla
DeVilbiss Co	300 Phillips Ave, Toledo 1	Ohio
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Huenefeld Co	2701 Spring Grove Ave, Cincinnati 25	Ohio
KEYSTONE MFG. CO., Adv Pg 549	**23328 Sherwood Ave, Warren**	**Mich**
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
SHIELDING, INC., Adv Pg 357	**P. O. Box 10, Riverton**	**NJ**
Specialties, Inc	Skunks Misery Rd, Syosset	NY
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Topatron, Inc	942 E. Ojai Ave, Ojai	Cal
Unitized Electronics, Inc	4791 Memphis Ave, Cleveland	Ohio
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

ENCODERS

1. BINARY 2. DIGITAL 3. SHAFT POSITION

Abacus, Inc., 1-2	3040 Overland Ave, Los Angeles 34	Cal
Adage, Inc., 1-2	292 Main St, Cambridge	Mass
Adcon Div., Wayne-George Corp., 3	588 Commonwealth Ave, Boston 15	Mass
AIRFLYTE ELECTRONICS CO., 1-2-3, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
American Bosch Arma Corp., 1-2	320 Fulton Ave, Hempstead	NY
APPLIED ELECTRONICS CORP OF N.J., 1-2-3, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ascop Div., Electro-Mechanical Research, Inc., 3	P.O. Box 44, Princeton	NJ
Bell Aircraft Corp., 2	P.O. Box 1, Buffalo 5	NY
Bell & Gossett Co., 3	8202 N. Austin Ave, Morton Grove	Ill
Bendix-Pacific Div., Bendix Aviation, 1-2-3	11600 Sherman Way, North Hollywood	Cal
Benson-Lehner Corp., 1-2-3	1860 Franklin, Santa Monica	Cal
Budd Lewyt Electronics, Inc., 2	43-22 Queens St, Long Island City 1	NY
CBC ELECTRONICS CO., INC., 1-2-3, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CG Electronics Corp., 1-2	15000 Central E., Albuquerque	NM
Coleman Electronics, Inc., 1-2-3	133 E. 162nd St, Gardena	Cal
Colorado Research Corp., 1-3	Broomfield	Colo
Concord Control, Inc., 1-2-3	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
Consolidated Controls Corp., 3	6 Durant Ave, Bethel	Conn
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Datex Corp., 1-2-3	1307 S. Myrtle Ave, Monrovia	Cal
Daystrom, Inc., Control Systems Div., 1	4455 Miramar Rd, La Jolla	Cal
Detroit Controls, Div of American-Standard, 2-3	5900 Trumbull, Detroit 8	Mich
DIGITAL EQUIPMENT CORP., 1-2, Adv Pg 448	**Maynard**	**Mass**
Digitool Corp., 1-3	P.O. Box 22242, Houston 27	Tex
Digitran Co., 1-2	660 S. Arroyo Pkwy, Pasadena	Cal
DYCHRO CORP., 2, Adv Pg 525	**49 Walnut St, Wellesley 81**	**Mass**
DYMEC, DIV., HEWLETT-PACKARD CO., 1-2-3, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Dynamics Research Corp., 2-3	38 Montvale Ave, Stoneham	Mass
Electro Instruments, Inc., 2	3540 Aero Ct, San Diego	Cal
ELECTRO SEAL CORP., 1-2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
EPSCO, INC., EQUIPMENT DIV., 2, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Epsco, Inc., Systems Div., 1-2	275 Massachusetts Ave, Cambridge 39	Mass
ESCOTRONICS, 1, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Farrand Optical Co., Inc., 1-2-3	Bronx Blvd at 238th St, New York 70	NY
FERRANTI ELECTRIC, INC., 2, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Ford Instrument Co. Div. Sperry Rand Corp., 1-2-3	31-10 Thompson Ave, Long Island City 1	NY
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Giannini Controls Corp., 1-2-3	1600 S. Mountain Ave, Duarte	Cal
Guidance Controls Corp., 1-2-3	110 Duffy Ave, Hicksville	NY
HALLICRAFTERS CO., 1-2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Haydon Co., A.W., The, 1-2-3	238 N. Elm St, Waterbury	Conn
Hoffman Co., H.L., 1	35 Old County Rd, Westbury	NY
Huyck Systems Co., 2-3	360 Wolf Hill Rd, Huntington Sta	NY
INSTRUMENT DEVELOPMENT LABS., INC., 3, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Instrument Systems Corp., 1-2-3	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelk Ltd., George, 3	5 Lesmill Rd, Don Mills, Ontario	
Lear, Inc., 1-2	3171 S. Bundy Dr, Santa Monica	Cal
Librascope Div., General Precision, Inc., 1-2-3	808 Western Ave, Glendale 1	Cal
Litton Industries, Electronic Equipments Div., 3	336 N. Foothill Rd, Beverly Hills	Cal
Marquardt Corp., Pomona Div., 1-2-3	2709 N. Garey Ave, Pomona	Cal
Meridian Metalcraft, Inc., 1-2	8739 S. Millergrove Dr, Whittier	Cal
Newton Co., 3	55 Elm St, Manchester	Conn
Norden Div., United Aircraft Corp., 2	58 Commerce Rd, Stamford	Conn
Pacific Mercury Electronics, 2	8345 Hayvenhurst Ave, Sepulveda	Cal
Packard Bell Computer Corp., 1-2	1905 Armacost Ave, Los Angeles 25	Cal
Production Research Corp., Sub of Radio Condenser Co., 1-2	Claremont Ave, Thornwood	NY
Radiation, Inc., 1-2	Melbourne	Fla
Ransom Research, Inc., 1-2	374 W. 8th St, Box 269, San Pedro	Cal
Secode Corp., 2	555 Minnesota St, San Francisco 7	Cal
Servonics, Inc., 1-2	822 N. Henry St, Alexandria	Va
Soroban Engineering, Inc., 1-2	P.O. Box 1717, Melbourne	Fla
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2	100 Carlson Rd, Rochester 3	NY
Tally Register Corp., 1-2	1310 Mercer St, Seattle 9	Wash
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1-2-3	23555 Euclid Ave, Cleveland 17	Ohio
TELECHROME MFG. CORP., 3, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 3	915 N. Citrus Ave, Hollywood	Cal
Venner Electronics, Ltd., 1-2	Kingston By-Pass, New Malden	Eng
Vitro Corp of America, 1-2	261 Madison Ave, New York 16	NY
Wang Laboratories, Inc., 1-2-3	12 Huron Dr, Natick	Mass
Wayne-George Corp., 2-3	588 Commonwealth Ave, Boston 15	Mass
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY
Wright Machinery Co., Div of Sperry Rand Corp., 3	Durham	NC

ENGRAVING & PROFILING SERVICES

ACKERMAN ENGRAVERS, INC., Adv Pg 551	**458 Broadway, New York**	**NY**
Apahouser Corp	1312 Boylston St, Boston	Mass
Bolling Industries, Inc	330 E. Locust St, Scranton 2	Pa
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Conn-Craft Co	303 Fairlawn Ave, Waterbury	Conn
Diamond-Union Stamp Works	81 Washington St, Boston 8	Mass
Dry Screen Process, Inc	1016 Madison Ave, Pittsburgh 12	Pa
Dura Plastics of New York, Inc	303 Fifth Ave, New York 16	NY
Duralith Corp	1025 Race St, Phiadelphia 7	Pa
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Fisher & Crome	107 N. Camac St, Philadelphia 7	Pa
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Helko Products Co	243 W. 55 St, New York	NY
Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
Industrial Engravers, Inc	2212 McDonald Ave, Brooklyn 23	NY
Kilo Engineering Co	2011 Third St, La Verne	Cal
Nichols, Ltd., R.H.	4544 Dufferin St, Downsview, Ontario, Canada	
Numberall Stamp & Tool Co	Huguenot Park, Staten Island 12	NY
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Precision Engraving Co	13 Ridgedale Ave, Hanover	NJ
Radionics, Inc	76 Cambridge St, Burlington	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Supreme Process Corp	44 Bond St, Westbury	NY
Techniques, Inc	40 Jay St, Englewood	NJ
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	

ENVELOPES —*TUBE* See TUBE PARTS
ENVIRONMENTAL CHAMBERS & TEST EQUIPMENT See CHAMBERS: MACHINES
ENVIRONMENTAL TEST LABORATORIES See LABORATORIES
EPOXY ADHESIVES See ADHESIVES
EPOXY LAMINATES See LAMINATES —*COPPER-CLAD*
EPOXY PREFORMS See FORMS —*EPOXY*
EPOXY RESINS See PLASTICS
EPOXY RESIN SOLVENTS See SOLVENTS —*EPOXY RESIN*
EQUALIZERS — A-F See FILTERS —*EQUALIZER*

ERASERS —*BULK MAGNETIC TAPE*

Aerovox Corp	740 Belleville Ave, New Bedford	Mass
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Electromation Co	1646 18th St, Santa Monica	Cal
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

ESCUTCHEONS

Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Duralith Corp	1025 Race St, Phiadelphia 7	Pa
Electro-Chemical Engraving Co	1100 Brook Ave, New York 56	NY
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
North Shore Nameplate A Div of Anodyne, Inc	214-27 Northern Blvd, Bayside 61	NY
Park Nameplate Co., Inc	34-10 Linden Pl, Flushing 54	NY
ROGAN BROTHERS, Adv Pg 530	**8031 N. Monticello Ave, Skokie**	**Ill**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
United Fabricators Electronics, Inc	Stillwater	Minn

ETCHED CIRCUIT BOARDS See LAMINATES
ETCHED CIRCUITS See CIRCUITS —*PRINTED WIRING, CUSTOM SERVICE*
ETCHED COMPONENTS See COMPONENTS —*PHOTO-ETCHED*
ETCHED-WIRING TRANSFORMERS See TRANSFORMERS —*AIR-CORE*
ETCHING ACIDS See CHEMICALS —*PRINTED-CIRCUIT*
ETCHING EQUIPMENT See MACHINES —*PRINTED-CIRCUIT PRODUCTION*
ETHYL CELLULOSE See PLASTICS
E-TYPE LAMINATED CORES See CORES —*LAMINATED*
EVAPORATIVE COOLING UNITS See COOLING UNITS

EXCITERS —*VIBRATION*

1. RANDOM 2. SINUSOIDAL

Bruel & Kjaer, 2	Lindealle 23, Naerum, Denmark	
CompuDyne Corp., 1-2	400 S. Warminster Rd, Hatboro	Pa
DeHavilland Aircraft/Spec. Prods. Div., 2	Downsview, Ontario, Canada	
EMI-COSSOR ELECTRONICS LTD., 2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electrowest, Ind., 1-2	2351 Albatross Way, Sacramento 15	Cal
Genisco, Inc., 1-2	2233 Federal Ave, Los Angeles 64	Cal

Ling Electronics Div., Ling Altec Electronics, 1-2	1515 Manchester, Anaheim	Cal
MASSA DIV., COHU ELECTRONICS, INC., 2,		
Micro Gee Products, Inc., 2	6319 W. Slauson, Box 1005, Culver City	Cal
Miller Co., L. C., 1-2	5005 E. Slauson Ave, L A 22	Cal
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Scott, Inc., H.H., 1	111 Powder Mill Rd, Maynard	Mass
Solartron, Inc., 2	1742 S. Zeyn St, Anaheim	Cal
Wyle Mfg. Corp., 1	133 Center St, El Segundo	Cal

EXPANSION BOLTS *See* **BOLTS**
EXPLOSIVE-ACTUATED SWITCHES *See* **SWITCHES** *–AUTOMATICALLY OPERATED*
EXPOSURE METERS *See* **METERS** *–LIGHT*
EXTRUDED PLASTIC PARTS *See* **PLASTICS** *–FINISHED PARTS*
EYELET INSERTERS *See* **MACHINES** *–EYELET-INSTALLING*

EYELETS

1. GENERAL-PURPOSE (MECHANICAL ASSEMBLY) 2. PRINTED-CIRCUIT & TERMINAL-BOARD

Allied Allegri, Inc., 2	**141 River Rd, Nutley**	**NJ**
Amatom Electronic Hardware Co., Inc., 1-2	88 Drake Ave, New Rochelle	NY
Ampco Mfg. Co., 1	246 E. 2nd St, Plainfield	NJ
Anaconda American Brass Co., 1	414 Meadow St, Waterbury 20	Conn
ANSLEY MFG. CO., ARTHUR, 2, Adv Pg 536	**New Hope**	**Pa**
Bart Mfg. Corp., 2	227 Main St, Belleville	NJ
Bellandi Co., Inc., M., 2	7508 W. Grand Ave, Elmwood Park	Ill
CAMBRIDGE THERMIONIC CORP., 2, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carr Fastener Co., Div., United-Carr, 1	31 Ames St, Cambridge 42	Mass
Chase Brass & Copper Co., Inc., 1	236 Grand St, Waterbury 20	Conn
CIRCON COMPONENT CORP., 1-2, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Cly-Del Mfg. Co., 1-2	42 Sharon Rd, Waterbury	Conn
DKE ELECTRONIC BASES CORP., 1, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Defiance Printed Circuit Corp., 2	83 Albion St, Wakefield	Mass
Electro-Chemical Engraving Co., 2	1100 Brook Ave, New York 56	NY
Eyelet Tool Co., 1-2	31 Carleton St, Cambridge	Mass
FEDERAL SCREW PRODUCTS, INC., 1-2, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Gemex Corp., Industrial Div., 1	1200 Commerce Ave, Union	NJ
General Plastics Corp., 2	P.O. Box 1689, Paterson	NJ
H & H Machine Corp., 1	Noble & Jackson Sts, Norristown	Pa
Johnson & Hoffman Mfg. Corp., 1	31 E. Second St, Mineola	NY
Laminated Sheet Products Corp., 2	449 Neponset St, P.O. Box 390, Norwood	Mass
Lerco Electronics, Inc., 2	501 S. Varney St, Burbank	Cal
Lyn-Tron, Inc., 2	5352 Riverton Ave, North Hollywood	Cal
Oki & Willadsen, Ltd., 2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Printronics Corp., 2	3127 El Camino Real, Palo Alto	Cal
Segal, Edward, 1-2	132 Lafayette St, New York 13	NY
Spec-Tronics, 1-2	13942 Saticoy Ave, Van Nuys	Cal
Stimpson Co., Inc., Edwin B., 1-2	74 Franklin Ave, Brooklyn 5	NY
UCINITE CO., DIV., UCC, 2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Shoe Machinery Corp., 1-2	140 Federal St, Boston 7	Mass
U.S. Engineering Co., Div., Litton Ind., 2	13536 Saticoy, Van Nuys	Cal
Volkert Stampings, Inc., 2	222-34 96th Ave, Queens Village 29	NY
Warren Components Div., El-Tronics, 2	S. Irvine St, Warren	Pa
Waterbury Companies, Inc., 1-2	Waterbury 20	Conn

FABRIC PARTS

1. CLOTH PARTS 2. FELT PARTS 3. GLASS FIBER FABRIC 4. PLASTIC FABRIC 5. VARNISHED CAMBRIC 6. WOVEN WIRE

Acme Wire Co., 5	New Haven 14	Conn
Allied Plastics Supply Corp., 3-4-5	75 Cliff St, New York 38	NY
American Felt Co., 2	10 Glenville Road, Glenville	Conn
Amflex Products Dept., Amer Mach & Fdry. Co., 4	689 Hope St, Springdale	Conn
Apex Coated Fabrics Co., 4	12 E. 22nd St, New York 10	NY
Auburn Mfg. Co., The, 1-2-3-4-5-6	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 1-2-3-4-5-6	22 Williams St, Everett 49	Mass
Bemis Bro Bag Co., 1	111 N. Fourth St, St. Louis 2	Mo
Bestcraft Products Co., Inc., 1-2-3-4-5-6	626 Broadway, New York	NY
Bishop & Co., J., Platinum Works, 6	Malvern	Pa
Boston Felt Co., 2	210 South St, Boston 11	Mass
Connecticut Hard Rubber Co., 3-4-6	407 East St, New Haven 9	Conn
Consolidated Productions, Inc., 1	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Cortland Industries, Inc., 5	4545 Cortland St, Chicago 39	Ill
DKE ELECTRONIC BASES CORP., 6, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Daniels, Inc., C.R., 1-2-3-4	Daniels	Md
Emerson Plastics Corp., 3	1383 Seabury Ave, Bronx 61	NY
Factory Enterprises, Inc., 6	3431 Butler St, Pittsburgh 1	Pa
Felt Products Mfg. Co., 2	7450 N. McCormick Blvd, Skokie	Ill
Felters Co., 2	210 South St, Boston 11	Mass
Ferguson Perforating & Wire Co., 6	132 Ernest St, Providence	RI
Flock Process Co., Inc., 6	373 Main Ave, Norwalk	Conn
Franklin Fibre Lamitex Corp., 3-4	P.O. Box 1768, Wilmington	Del
G-C ELECTRONICS CO., 5, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Components Co., 1-2-3-4	225-229 E. 144th, New York 51	NY
General Gaskets, Inc., 2-4-5-6	Middletown	Conn
Hicks Corp., 3	1671 Hyde Park Ave, Hyde Park	Mass
Insulation Manufacturers Corp., 1-3-4-5	565 W. Washington Blvd, Chicago 6	Ill
Joclin Mfg. Co., 2-3-4	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 1-2-3-4	22 E. 40 St, New York 16	NY
Kressilk Products, Inc., 4	73 Murray St, New York 7	NY
Laminated Sheet Products Corp., 4	449 Neponset St, P.O. Box 390, Norwood	Mass
Lamtex Industries Inc., 3-4	Motor Ave, Farmingdale	NY
Long, Inc., Thomas J., 4-5	215 Stonehinge Ln, Carle Place	NY
Mechanical Felt & Textiles Co., 1-2-4-6	50 W. 18 St, Weehawken	NJ
National Felt Co., 2	76 Summer St, Boston 10	Mass
National Gasket & Washer Co., 1-2-5	122 E. 25 St, New York	NY
Newark Wire Cloth Co., 6	353 Verona Ave, Newark	NJ
New Jersey Wood Finishing Co., 5	Amboy Ave, Woodbridge	NJ
Northern Plastics Corp., 4	Second & Market Sts, LaCrosse	Wisc
Oki & Willadsen, Ltd., 3-4-5	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Peerless Products Industries, 2-4	812 N. Pulaski St, Chicago 51	Ill
Penn Fibre & Specialty Co., 2	2020 E. Westmoreland St, Phiaidelphia 34	Pa
Russell Gasket Co., 1-2-3-4-5	7424 Bessemer Ave, Cleveland 27	Ohio
Shamban & Co., W.S., 3-4	11617 W. Jefferson Blvd, Culver City	Cal
Sorensen Industrial Electronic Co., 4	Rt 10, Dover	NJ
Staver Co., Inc., 3-4	41 N. Saxon Ave, Bay Shore	NY
Summit Industries, Inc., 3	2114 W. Rosecrans Ave, Gardena	Cal
Technical Wire Products, Inc., 6	48 Brown Ave, Springfield	NJ
Thompson Fiber Glass Co., H.I., 1-3	1733 Cordova St, Los Angeles 7	Cal
Tingstol Co., 3-4	1340 W. Fullerton, Chicago 14	Ill
Travis Fabrics Co., 1	1071 6th Ave, New York 18	NY
Tyler Co., W.S., 6	3620 Superior Ave, Cleveland 14	Ohio
Unique Wire Weaving Co., Inc., 6	759 Ramsey Ave, Hillside	NJ
Welsh Co., Inc., Wm H., 1-4	2241 Indiana Ave, Chicago	Ill
Western Felt Works, 2	4029 Ogden Ave, Chicago	Ill
ZIPPERTUBING CO., 1-2-3-4-5-6, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

FABRICS

1. CLOTH 2. FELT 3. GLASS FIBER 4. PLASTIC 5. SPEAKER GRILLE -CLOTH. PLASTIC OR WIRE 6. VARNISHED CAMBRIC 7. WOVEN WIRE

Acme Wire Co., 6	New Haven 14	Conn
Allied Plastics Supply Corp., 3-4	75 Cliff St, New York 38	NY
American Felt Co., 2	10 Glenville Rd, Glenville	Conn
Amflex Products Dept., Amer Mach & Fdry. Co., 3-4	689 Hope St, Springdale	Conn
Apex Coated Fabrics Co., 4	12 E. 22nd St, New York 10	NY
Auburn Mfg. Co., The, 2-3-6	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 4-6	22 Williams St, Everett 49	Mass
Bemis Bro Bag Co., 1	111 N. Fourth St, St. Louis 2	Mo
Boston Felt Co., 2	210 South St, Boston 11	Mass
Brady Co., W.H., 2	727 West Glendale Ave, Milwaukee 12	Wisc
Connecticut Hard Rubber Co., 3-4	407 East St, New Haven 9	Conn
Croname, Inc., 5	6247 Howard St, Chicago 48	Ill
Daniels, Inc., C.R., 1-2-3-4	Daniels	Md
du Pont de Nemours & Co., Inc., E.I., 2-3-4	Wilmington 98	Del
Electro-Technical Prods Div., Sun Chem Corp., 6	113 E. Centre St, Nutley 10	NJ
Factory Enterprises, Inc., 1-7	3431 Butler St, Pittsburgh 1	Pa
Felters Co., 2	210 South St, Boston 11	Mass
Flock Process Co., Inc., 4-5-7	373 Main Ave, Norwalk	Conn
G-C ELECTRONICS CO., 5-6, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Plastics Corp., 4	P.O. Box 1689, Paterson	NJ
Hastings Plastics, Inc., 3	1551 12th St, Santa Monica	Cal
Insulation Manufacturers Corp., 3-4-6	565 W. Washington Blvd, Chicago 6	Ill
Joclin Mfg. Co., 4	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 1-2-3-4	22 E. 40 St, New York 16	NY
Kressilk Products, Inc., 1-4-5	73 Murray St, New York 7	NY
Laminated Sheet Products Corp., 3-4	449 Neponset St, P.O. Box 390, Norwood	Mass
Ludlow-Saylor Wire Cloth Co., 7	640 S. Newstead Ave, St. Louis	Mo
Mechanical Felt & Textile Co., 2-5-7	50 W. 18 St, Weehawken	NJ
Minnesota Mining & Mfg. Co., 6	900 Bush Ave, St. Paul 6	Minn
Montgomery Co., 7	20 Canal Bank, Windsor Locks	Conn
National Electric Coil Div., McGraw Edison Co., 6	800 King Ave, Columbus 16	Ohio
National Felt Co., 2	76 Summer St, Boston 10	Mass
NATVAR CORP., 6, Adv Pg 501	**Woodbridge**	**NJ**
Newark Wire Cloth Co., 7	353 Verona Ave, Newark	NJ
Newcastle Fabrics Corp., 5	80 Wythe Ave, Brooklyn 11	NY
New Jersey Wood Finishing Co., 6	Amboy Ave, Woodbridge	NJ
Northern Plastics Corp., 4	Second & Market Sts, LaCrosse	Wisc
Russell Gasket Co., 1-2-3-4	7424 Bessemer Ave, Cleveland 27	Ohio
Schjeldahl Co., G.T., 4	P.O. Box 170, Northfield	Minn
Shamban & Co., W.S., 4	11617 W. Jefferson Blvd, Culver City	Cal
Standard Felt Co., Div., Victoreen Instrument Co., 2	29 S. Palm Ave, Alhambra	Cal
Technical Wire Products, Inc., 7	48 Brown Ave, Springfield	NJ
Thompson Fiber Glass Co., H.I., 3	1733 Cordova St, Los Angeles 7	Cal
Travis Fabrics Co., 1	1071 6th Ave, New York 18	NY
Tyler Co., W.S., 7	3620 Superior Ave, Cleveland 14	Ohio
Unique Wire Weaving Co., Inc., 5-7	759 Ramsey Ave, Hillside	NJ
U.S. Rubber Co., 1-4	1230 Ave of the Americas, New York 20	NY
U.S. Steel Corp., 7	525 Wm Penn Pl, Pittsburgh 30	Pa
WALSCO ELECTRONICS MFG. CO., 5, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Western Felt Works, 2	4029 Ogden Ave, Chicago	Ill

FABRIC TUBING *See* **TUBING** *–NONMETALLIC*

FACEPLATES – TV

Allied Engraving & Stamping Co	701 Seneca St, Buffalo 10	NY
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Crystal-X Corp	403 Lenni Rd, Lenni Mills	Pa
Pittsburgh Plate Glass Co	1 Gateway Center, Pittsburgh 22	Pa
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

FACSIMILE EQUIPMENT

1. AMPLIFIERS 2. CONVERTERS 3. RECEIVERS 4. RECORDERS 5. RECORDING PAPER 6. SCANNERS-SYSTEMS *See* **COMMUNICATION SYSTEMS** *7. TRANSMITTERS*

Addressograph-Multigraph, Electronics Div., 6	1200 Babbitt Rd, Cleveland 17	Ohio
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 1-2-3-4-5-6-7, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Alden Systems, Inc., 6-7	Alden Research Center, Westboro	Mass
ALFAX PAPER & ENGINEERING CO., 5, Adv Pg 533	**Washington St, P.O. Box 125, Westboro**	**Mass**
Ampex Data Products Co., 4	934 Charter St, Redwood City	Cal
Antlab, Inc., 3-4-5	6330 Proprietors Rd, Worthington	Ohio
Automation Industries, Inc., 6	3613 Aviation Blvd, Manhattan Beach	Cal
CONTROL ELECTRONICS CO., INC., 1-2-7, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CROSBY TELECTRONIC LAB., INC., 2, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
CURTISS-WRIGHT CORP., PRINCETON DIV., 5, Adv Pg 75	**Princeton**	**NJ**
Data Equipment Co., 1-2-4-6-7	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry, 3-4-7	4241 Fulton Pkwy, Cleveland 9	Ohio
Fairchild Camera & Instrument Corp., Defense Prods., Div., 4-6	Robbins Ln, Syosset	NY
Fairchild Camera & Instrument Corp., Industrial Prods., Inc., 3-6-7	580 Midland Ave, Yonkers	NY
Gordon Enterprises, 5	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Gray Mfg. Co., The, 4	Dept 67, 16 Arbor St, Hartford 1	Conn
Hoffman Co., H.L., 1	35 Old County Rd, Westbury	NY
Hogan Faximile Corp., 1-2-3-4-5-6-7	155 Perry St, New York 14	NY
Houston Fearless Corp., 4-6	11801 W. Olympic Blvd, Los Angeles 64	Cal
ITT Federal Div., ITT, 1-2-3-7	100 Kingsland Rd, Clifton	NJ
KAY ELECTRIC CO., 4, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Larson Instrument Co., 4	24 Orchard St, Tarrytown	NY
Litton Industries, Electron Tube Div., 1-6	960 Industrial Rd, San Carlos	Cal
MacLeod & Hanopol, Inc., 2	10 Roland St, Charlestown 29	Mass
Midwestern Instruments, Inc., 4	P.O. Box 7186, Tulsa 18	Okla
Muirhead & Co., Ltd., 2-3-4-5-6-7	Beckenham, Kent, England	
Nippon Electric Co., Ltd., 1-2-3-4-6-7	Shiba-Mita, Tokyo, Japan	
NORTHERN RADIO CO., INC., 2-3-7, Adv. Pos. 187-189	**143-145 W. 22 St, New York**	**NY**

Philco Corp., Gov't & Ind'l Div., 1-2-3-4-6-7	4700 Wissahickon Ave, Philadelphia 44	Pa
Production Research Corp., Sub of Radio Condenser Co., 7	Claremont Ave, Thornwood	NY
Sunshine Scientific Instrument, 5	1810 Grant Ave, Philadelphia 15	Pa
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 4	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL MATERIEL CORP., 3-7, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Technitrol Engineering Co., 3-7	1952 E. Allegheny Ave, Philadelphia 34	Pa
Telautrograph Corp., 3-4-5-7	8700 Bellanca Ave, Los Angeles 8	Cal
TELECTRO INDUSTRIES CORP., 1-3-4-7, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
TELEVISION UTILITIES CORP., DIV OF NORD, 6, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 4-5	3609 Buffalo Spdwy, Houston 6	Tex
Times Facsimile Corp., 1-2-3-4-5-6-7	540 W. 58th St, New York 19	NY
Western Apparatus Co., Div., Comptometer Corp., 3-7	5600 Jarvis Ave, Chicago 48	Ill
Western Union Telegraph Co., 5	60 Hudson St, New York 13	NY
Westrex Corp., Div., Litton Industries, 1-2-3-4-5-6-7	540 W. 58 St, New York 19	NY
Winder Aircraft Corp., 1-3	Dunnellon Air Base, Dunnellon	Fla

FAHNESTOCK CLIPS See CLIPS —*TEST*

FAIRLEADS —*AIRCRAFT TRAILING-WIRE ANTENNA*

Molded Insulation Co	335 E. Price St, Phila 44	Pa

FANS See BLOWERS

FASTENERS & FASTENING DEVICES See *Also* BOLTS: CLAMPS: CLIPS: FIXTURES: HOLDERS: NUTS: RIVETS: SCREWS

Abbott Products, Inc	14-10 123rd St, College Point 56	NY
Allen Mfg. Co	133 Sheldon St, Hartford 2	Conn
ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Camloc Fastener Corp	22 Spring Valley Rd, Paramus	NJ
Carr Fastener Co., Div., United-Carr	31 Ames St, Cambridge 42	Mass
Chicago Rivet & Machine Co	Bellwood	Ill
Chicago Screw Co	2703 Washington Blvd, Bellwood	Ill
CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Continental Screw Co	459 Mt Pleasant St, New Bedford	Mass
DIMCO-GRAY CO., Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Dzus Fastener Co., Inc	125 Union St, West Islip	NY
Elco Tool & Screw Co	1111 Samuelson Rd, Rockford	Ill
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Fasteners, Inc	198 Columbus Ave, Pittsfield	Mass
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Garrett Co., Inc., George K.	Torresdale Ave at Tolbut St, Phila 36	Pa
Hassall, Inc., John	P.O. Box 2242, Westbury	NY
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Monadnock Mills Div., United Carr	1977 1st Ave, San Leandro	Cal
Navan Products, Inc., Sub., North American Aviation, Inc.	900 N. Sepulveda, El Segundo	Cal
NIELSEN HARDWARE CORP., Adv Pg 338	**770 Wethersfield Ave, Hartford 1**	**Conn**
North & Judd Mfg. Co	500 E. Main St, New Britain	Conn
Palnut Co., The, Div of United-Carr Fastener Corp	77A Glen Rd, Mountainside	NJ
Penn Engineering & Mfg. Corp	Box 311, Doylestown	Pa
Pheoll Mfg. Co., Inc	5700 Roosevelt Rd, Chicago 50	Ill
Rosan, Inc	2901 W. Coast Hwy, Newport Beach	Cal
Set Screw Mfg. Co	470 Main St, Bartlett	Ill
Shakeproof Div., Ill Tool Works	St. Charles Rd, Elgin	Ill
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Simmons Fastener Corp	1752 N. Broadway, Albany 1	NY
Southco Div., South Chester Corp	Lester	Pa
Standard Screw Co	2801 Washington Blvd, Bellwood	Ill
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Thompson-Bremer & Co	228 N. LaSalle St, Chicago 1	Ill
Thomson Mfg. Co., Judson L.	22 Sawyer Rd, Waltham 54	Mass
Tinnerman Products, Inc	Box 6688, Dept No 16, Cleveland 1	Ohio
Waldes Kohinoor, Inc	47-16 Austel Pl, Long Island City 1	NY
Western Sky Industries	21301 Cloud Way, Hayward	Cal

FATHOMETERS See DEPTH SOUNDERS
FAULT LOCATORS See LOCATORS —*CABLE & LINE FAULT*
FEEDER SPREADER INSULATORS See INSULATORS —*ANTENNA*

FEED SYSTEMS —*ANTENNA*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Blaine Electronetics, Inc.	14757 Keswick St, Van Nuys	Cal
Granger Associates	974 Commercial St, Palo Alto	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microwave Associates, Inc	Burlington	Mass
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventrua Blvd, Calabasas	Cal
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**

FEED-THROUGH CAPACITORS See CAPACITORS —*FIXED*
FEED-THROUGH INSULATORS See INSULATORS —*FEED-THROUGH*
FELT See FABRICS
FELT FIBERS See FIBERS
FELT PARTS See FABRIC PARTS
FERRITE APERTURE PLATES See MEMORIES —*COMPUTER*
FERRITE CORE PLANES See MEMORIES —*COMPUTER*
FERRITE ISOLATORS See ISOLATORS
FERRITE MAGNETS See MAGNETS —*PERMANENT*
FERRITE MODULATORS See MODULATORS
FERRITE-ROD ANTENNAS See ANTENNAS —*RADIO RECEIVING*

FERRITES —*RAW MATERIAL* See *Also* GARNET

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
COLUMBIAN CARBON CO., MAPICO COLOR UNIT, Adv Pg 512	**380 Madison Ave, New York 17**	**NY**
KRYSTINEL CORP., Adv Pg 555	**Fox Island Rd, Port Chester**	**NY**
MICROWAVE CHEMICAL LABORATORY, INC., Adv Pg 522	**282 7th Ave, New York 1**	**NY**
Raytheon Co. Special Microwave Device Oper	Waltham Industrial Park, Waltham 54	Mass
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	England
Vitro Corp of America	261 Madison Ave, New York 16	NY

FIBERBOARD BOXES See BOXES —*SHIPPING*

FIBRES —*RAW MATERIAL*
1. COTTON 2. FELT 3. GLASS 4. PLASTIC 5. WOOD

American Felt Co., 2	10 Glenville Rd, Glenville	Conn
Apex Coated Fabrics Co., 4	12 E. 22nd St, New York 10	NY
Auburn Mfg. Co., The, 2	Pease Ave & Stack St, Middletown	Conn
Bemis Bro Bag Co., 1	111 N. Fourth St, St. Louis 2	Mo
Dow Chemical Co., 4	Midland	Mich
Electro-Technical Prods Div., Sun Chem Corp., 3	113 E. Centre St, Nutley 10	NJ
Felters Co., 2	210 South St, Boston 11	Mass
General Components Co., 4	225-229 E. 144th, New York 51	NY
Haydon Corp., 3	3815-9th Ave, New York 34	NY
Johns-Manville, 3	22 E. 40 St, New York 16	NY
Laminated Sheet Products Corp., 4	449 Neponset St, P.O. Box 390, Norwood	Mass
Long, Inc., Thomas J., 4	215 Stonehinge Ln, Carle Place	NY
Mechanical Felt & Textiles Co., 2	50 W. 18 St, Weehawken	NJ
Mica Fabricating Co., 4	53 Central Ave, Rochelle Park	NJ
National Felt Co., 2	76 Summer St, Boston 10	Mass
Northern Plastics Corp., 4	Second & Market Sts, LaCrosse	Wisc
Plastics & Coal Chem Div., Allied Chem Corp., 4	40 Rector St, New York 6	NY
Russell Gasket Co., 3	7424 Bessemer Ave, Cleveland 27	Ohio
Shamban & Co., W.S., 4	11617 W. Jefferson Blvd, Culver City	Cal
Thompson Fiber Glass Co., H.I., 3	1733 Cordova St, Los Angeles 7	Cal
U.S. Rubber Co., 4	1230 Ave of the Americas, New York 20	NY
Western Felt Works, 2	4029 Ogden Ave, Chicago	Ill

FIBRE —*VULCANIZED, PARTS, RODS & SHEETS*

Auburn Mfg. Co., The	Pease Ave & Stack St, Middletown	Conn
Baer Co., N.S.	9 Montgomery St, Hillside	NJ
Bestcraft Products Co., Inc.	626 Broadway, New York	NY
Budd Co	2450 Hunting Park Ave, Philadelphia 22	Pa
Comco Plastics, Inc	98-34 Jamaica Ave, Richmond Hill	NY
CONTINENTAL-DIAMOND FIBRE CORP., Adv. Pgs. 205-208	**Newark 100**	**Del**
Emerson Plastics Corp	1383 Seabury Ave, Bronx 61	NY
Fisher & Crome	107 N. Camac St, Philadelphia 7	Pa
Franklin Fibre Lamitex Corp	P.O. Box 1768, Wilmington	Del
General Components Co	225-229 E. 144th, New York 51	NY
General Gaskets, Inc	Middletown	Conn
Insulating Fabricators, Inc	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp	565 W. Washington Blvd, Chicago 6	Ill
Laminated Sheet Products Corp	449 Neponset St, P.O. Box 390, Norwood	Mass
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
Mica Fabricating Co	53 Central Ave, Rochelle Park	NJ
National Gasket & Washer Co	122 E. 25 St, New York	NY
National Vulcanized Fibre Co	Box 311, Wilmington 99	Del
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Penn Fibre & Specialty Co	2020 E. Westmoreland St, Philadelphia 34	Pa
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Taylor Fibre Co	Norristown 51	Pa
Wilmington Fibre Specialty Co	New Castle 6	Del

FIBRE —*VULCANIZED: TUBING* See TUBING —*NONMETALLIC*
FIELD COILS See COILS
FIELD-STRENGTH METERS See METERS —*FIELD-STRENGTH*
FILAMENT WIRE See WIRE —*RESISTANCE*
FILLERS FOR PLASTICS See PLASTICS —*FILLERS FOR*
FILM RECORDERS See RECORDERS —*FILM*
FILMS —*CAPACITOR & INSULATING* See PLASTICS —*FILM*

FILMS —*INFRARED*

Eastman Kodak Co	343 State St, Rochester 4	NY
Optical Coating Laboratory, Inc	2789 Giffen Ave, Santa Rosa	Cal

FILMS —*MAGNETIC* See TAPES —*MAGNETIC*

FILMS —*PHOTOGRAPHIC RECORDING*

du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
Eastman Kodak Co	343 State St, Rochester 4	NY
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal

FILMS —*PLASTIC* See PLASTICS —*FILM*
FILM-THICKNESS CONTROLS See CONTROLS —*THICKNESS*
FILM-THICKNESS INDICATORS See INDICATORS —*THICKNESS*
FILM-TYPE RESISTORS See RESISTORS —*FILM-TYPE*
FILTER CHOKES & REACTORS See COILS-CHOKE —*POWER-FREQUENCY*

FILTERS
1. ANTENNA 2. BAND-ELIMINATION. R-F 3. BANDPASS. R-F 4. COAXIAL & WAVEGUIDE 5. CONTINUOUSLY VARIABLE 6. CRYSTAL 7. ELECTRIC WAVE SECTION 8. EQUALIZER, A-F 9. HIGH-PASS. R-F 10. LOW-PASS, R-F 11. MECHANICAL 12. NEEDLE SCRATCH-NOISE-SUPPRESSION: See SUPPRESSORS —*NOISE 13. NOTCH, R-F 14. RADIO INTERFERENCE 15. RADIO RANGE 16. TELEMETERING 17. TOWER LIGHTING 18. TV ANTENNA CIRCUIT 19. VARIABLE ELECTRONIC*

AC Electronics, Inc., 1-2-3-5-7-8-9-10-12-13-14-15-16-18-19	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 2-3-7-8-9-10-16, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 2-3-7-8-9-10-12-15, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
ADAMS-RUSSELL CO., INC., 1-3-4-9-10-13-14, Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
ADVANCED ELECTRONICS CORP., 14, Adv Pg 246	**2 Commercial St, Hicksville**	**NY**
Aerocoil, Inc., 1-2-3	2207 Summit Ave, Union City	NJ
Aerovox Corp., 2-3-7-8-9-10-14	740 Belleville Ave, New Bedford	Mass
Airborne Accessories Corp., 2-14	1414 Chestnut Ave, Hillside	NJ
Aircom, Inc., 1-2-3-4	48 Cummington St, Boston	Mass
Airesearch Mfg. Co of Ariz., 13-14	402 S. 36 St, Phoenix	Ariz
Airtec, Inc., 4	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2-3-4-8-9-10-13	200 E. Hanover Ave, Morris Plains	NJ
Airtronics International Corp., 8	P.O. Box 8576, Fort Lauderdale	Fla

ALFORD MFG. CO., 3-10, Adv. Pg 487	**299 Atlantic Ave, Boston**	**Mass**
All-Tronics, Inc., 10-14	45 Bond St, Westbury	NY
ALLEN AVIONICS INC., 10, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
Allen-Bradley Co., 10-16	136 W. Greenfield Ave, Milwaukee 4	Wisc
Allison Laboratories, Inc., 5-8	11301 E. Ocean Ave, La Habra	Cal
AMERAC, INC., 1-2-3-4-9-10, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Bosch Arma Corp., 3-9-10-16	320 Fulton Ave, Hempstead	NY
AMERICAN ELECTRONIC LABS., INC., 4, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American Electronics Co., 1-2-3-9-10-14	178 Herricks Rd, Mineola	NY
American Missile Products Co., Inc., 3-10	15233 Grevillea Ave, Lawndale	Cal
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 18, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Amtron Corp., 3	17 Felton St, Waltham	Mass
Anderson Electronics, Inc., 6	1012 Chestnut Ave, Altoona	Pa
ANTENNA SYSTEMS, INC., 4 Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Antennavision, Inc., 2-3-9-10-13	2949 W. Osborn Rd, Phoenix	Ariz
Apparatus Devélopment Co., Inc., 1	Drawer 153, Wethersfield 9	Conn
APPLIED ELECTRONICS CORP OF N.J., 16, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
APPLIED RESEARCH, INC., 1-2-3-5, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Ardwin Microlab Inc., 4	21 Spencer St, Stoneham 80	Mass
Argonne Electronics Mfg. Corp., 9-10	165-11 South Rd, Jamaica 33	NY
Artted Co., Inc., 1-3-9-10	367 Worthington St, Springfield 3	Mass
Astron Corp., 1-2-3-9-10-14-15-16	255 Grant Ave, East Newark	NJ
AUTOMATIC COIL CO., 1-2-3-5-8-9-10, Adv Pg 482	**199 Sackett St, Brooklyn**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 1-2-3-4-9-10-16, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
BAIRD-ATOMIC, INC., 2-3, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Barker & Williamson, 1-2-3-9-10	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 14	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bayly Engineering, Ltd., 2-7-8-9-10-16	Hunt St, Ajax, Ontario, Canada	
Benco Television Associates, Ltd., 1-2-3-10-18	27 Taber Rd, Rexdale, Ontario, Canada	
Bendix-Pacific Div., Bendix Aviation, 4-16-19	11600 Sherman Way, North Hollywood	Cal
BIRD ELECTRONIC CORP., 1-2-3-4-9-10-13, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Blackburn Electronic Corp., 9-10	55 W. 7th St, Wyoming	Pa
Blackhawk Engineering Co., 2-6-9-10-13	Box 146, Janesville	Wisc
BLILEY ELECTRIC CO., 6, Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
Blonder-Tongue Laboratories, Inc., 3-8-10-18	Dept EBG, 9 Alling St, Newark 2	NJ
Bogart Mfg. Corp., 3-4-9-10	315 Seigel St, Brooklyn 6	NY
Bruel & Kjaer, 5	Lindealle 23, Naerum, Denmark	
BUDELMAN ELECTRONICS CORP., 2-3-9-10, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
Bulova Watch Co., Inc., 2-3-6-13-16	40-06 62 St, Woodside 77	NY
Bundy Electronics Corp., 2-3-7-8-9-10-16	173 Fabyan Pl, Newark	NJ
BURNELL & CO., INC., 6-7-8-15-16, Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
C.E.S. Electronic Products, Inc., 5-19	P.O. Box 7504, San Diego 7	Cal
C.G.S. Labs., Inc., 3-9-10-19	Rt 7, Wilton	Conn
C W S Waveguide Corp., 4-9-10	301 W. Hoffman Ave, Lindenhurst	NY
Caddell Burns Mfg. Co., Inc., 2-3-9-10	40 E. 2nd St, Mineola	NY
Caledonia Electronics & Transformer Co., 2-3-9-10	Caledonia	NY
California Magnetic Control Corp., 2-3-5-9-10-16-19	11922 Valerio St, North Hollywood	Cal
Cambridge Filter Corp., 11	738 E. Erie Blvd, Syracuse 1	NY
CAMBRIDGE THERMIONIC CORP., 3-19, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Canadian Marconi Co., 2-3-8-9-10	2444 Trenton Ave, Montreal, Canada	
Canoga Div., Underwood Corp., 4	15330 Oxnard St, Van Nuys	Cal
Capcon, Inc., 10-12-14	61 Stanton St, New York 2	NY
Carad Corp., 2-3-9-10	2850 Bay Rd, Redwood City	Cal
Carol Electronics Corp., 3	315 W. Stephen St, Martinsburg	W. Va
CELCO CONSTANTINE ENGINEERING LABS CO., 7, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Chance Vought Aircraft, Inc., 1	P. O. Box 5907, Dallas 22	Tex
Channel Master Co., 1	Ellenville	NY
Cinema Engineering Div., Aerovox Corp., 2-3	1100 Chestnut St, Burbank	Cal
Coil Winders, Inc., 1-2-3-9-10	Ames Ct., Plainview	NY
Coilcraft, Inc., 1-2-3-9-10-13-16	Cary	Ill
Collins Radio Co., 4-11	855 35 St N.E., Cedar Rapids	Iowa
COMMUNICATION ACCESSORIES CO., 7-8, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
CONTROL ELECTRONICS CO., INC., 2-3-4-5-6-7-8-9-10-16, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 2-3-9-10-14, Adv Pg 321	**South Plainfield**	**NJ**
Cornwell Electronics Corp., 8	84 S. Water St, Byram	Conn
D & R Ltd., 2-3-9-10-13	402 E. Gutierrez, Santa Barbara	Cal
Data-Control Systems, Inc., 16	39 Rose St, Danbury	Conn
DAVEN CO., 2-3-9-10, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dawe Instruments Ltd., 19	99 Uxbridge Rd, London W5, England	
DE COURSEY ENGINEERING LAB., 2-3-7-8-9-10-16, Adv Pg 460	**11828 W. Jefferson Blvd, Culver City**	**Cal**
Deeco Instruments, 8-9-10-13-15-16	14737 Arminta St, Van Nuys	Cal
Delta Coils, Inc., 3-9-10	1128 Madison Ave, Paterson 3	NJ
Deltronics, Inc., 3-9-10	100 Manton St, Providence 9	RI
DEMORNAY-BONARDI, 4, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Detrex Chemical Industries, Inc., 11	P.O. Box 501, Detroit 32	Mich
Diamond Antenna & Microwave Corp., 1-2-3-4-5-6-10	River St, Winchester	Mass
Dielectric Products Engrg Co., Inc., 4	Raymond	Me
DIETZ DESIGN, INC., 2-3-8-9-10-14-16, Adv Pg 499	**Grandview 6**	**Mo**
Djeco, Div., Djordjevic Engrg Co., 2-3-5-9-10-19	1933 N. Damen, Chicago 47	Ill
Don-Lan Electronics, Inc., 1-4	1101 Olympic, Santa Monica	Cal
Donner Scientific Co., 16-19	888 Galindo St, Concord	Cal
Dorne & Margolin, Inc., 1-2-3-4-6	29 New York Ave, Westbury	NY
Double "E" Products Co., 2-3-9-10-14	208 Standard St, El Segundo	Cal
DOUGLAS MICROWAVE CO., INC., 4, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dynamic Electronics, Capehart Corp., 2-3-8-9-10-14-18	87-46 123 St, Richmond Hill 18	NY
Dynamics Instrumentation Co., 5-9-10-19	1118 Mission, S. Pasadena	Cal
Dytronics, 3-5-16-19	P.O. Box 3676, Columbus 14	Ohio
ESC CORP., 2-3-9-10-14, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Electro-Mechanical Research, Inc., 16	P.O. Box 3041, Sarasota	Fla
Electro Networks, Inc., 2-3-7-8-9-10-16	P.O. Box 424, Syracuse	NY
Electrodynamic Instrument Corp., 2-3-9-10-13	1841 Old Spanish Trail, Houston 25	Tex
Electron Products, Div of Marshall Industries, 14	430 N. Halstead St, Pasadena	Cal
Electronic Applications, Inc., 8-9-10	194 Richmond Hill Ave, Stamford	Conn
Electronic Components Div., Telecomputing Corp., 16	14706 Arminta St, Van Nuys	Cal
Electronic Research Associates, Inc., 10	67 Factory Pl, Cedar Grove	NJ
Electronic Research & Dev. Co., Ltd., 3	210 9th Ave, S.E., Calgary, Alberta, Canada	
ELECTRONIC SPECIALTY CO., 1-2-3-4-9-10-13, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electronic Transformer Co., 6-7-8	70 Washington St, Brooklyn 1	NY
Entron, Inc., 1-2-3-4-8-9-10-13-18-19	4902 Lawrence St, Bladensburg	Md
Eric Engineering Co., 9	1823 Colorado Ave, Santa Monica	Cal
ERIE RESISTOR CORP., 10, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Essex Electronics Div of Nytronics, Inc., 10	550 Springfield Ave, Berkeley Heights	NJ
FXR, INC., 4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fedtro, Inc., 1-9-10-14-18	Fed Electr Bldg, Rockville Centre	NY
Ferro-Magnetics Co., 3-9-10-16	989 Commercial St, Palo Alto	Cal
Ferrotran Electronic Co., Inc., 2-3-9-10-13	693 Broadway, New York 12	NY
Filtron Co., Inc., 14	131-15 Fowler Ave, Flushing	NY
Foxboro Co., The, 16	Foxboro	Mass
FREED TRANSFORMER CO., INC., 7-8-16, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Frequency Standards, Div., Harvard Industries, inc., 1-2-3-4-5-9-10	P.O. Box 504, Asbury Park	NJ
Fugle-Miller Laboratories, Inc., 2-3-9-10-14	301 Central Ave, Clark	NJ
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, 1, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
Gar Precision Parts, Inc., 1-4	190 Henry St, Stamford	Conn
Garrett Corp., The, 14	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES RADIO CO., 1-2-3-4-5-8-9-10 Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 1-2-3-9-10-18	147-12 Liberty Ave, Jamaica 35	NY
GENERAL COMMUNICATION CO., 4, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 3-10-16, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 3	Court St, Syracuse	NY
GENERAL ELECTRIC CO., POWER TUBE DEPT., 4-14, Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
GENERAL RADIO CO., 2-3-4-9-10, Adv Pg 285	**West Concord**	**Mass**
Genistron, Inc., 2-3-7-8-9-10-13-14-15-16	6320 W. Arizona Circle, Los Angeles 45	Cal
Geotronic Labs., Inc., 2-7	1314 Cedar Hill Ave, Dallas 8	Tex
Gertsch Products, Inc., 5	3211 S. La Cienega, Los Angeles 16	Cal
Gilfillan Bros., Inc., 7	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John, 4	Webro Rd, Clifton	NJ
Grallen Electronic Div., Clegg, Inc., 1-2-14	Hanover & Ridgedale Ave, Morristown	NJ
GRAY & KUHN, 3-9-10-14, Adv Pg 473	**80 Swain St, Westbury**	**NY**
Grinnel-Harris Electronics, 2-3-9-10-14-15-16	4132 Temple City Blvd, Rosemead	Cal
Gudeman Co., The, 1-9-10-14-16	340 W. Huron St, Chicago 10	Ill
Gulton Industries, Inc., 10	212 Durham Ave, Metuchen	NJ
Gyrex Corp., 11	3003 Pennsylvania Ave, Santa Monica	Cal
Hallett Mfg. Co., 14	5910 Bowcroft St, Los Angeles	Cal
HALLICRAFTERS CO., 3-4-6-14, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Harder Co., Donald C., 8	2580 K St, San Diego	Cal
Hathaway Instruments, Inc., 2-3	5800 E. Jewell Ave, Denver 22	Colo
HERMES ELECTRONICS CO., 6-7, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2-3-6-7-8-9-10-16	P.O. Box 978, Garland	Tex
HEWLETT-PACKARD CO., 4-10, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
HI-G, INC., 1-3, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
HILL ELECTRONICS, INC., 6, Adv Pg 461	**300 N. Chestnut St, Mechanicsburg**	**Pa**
Hisonic, Inc., 2-3-7-8-9-10-13-16	P.O. Box 534, Shawnee	Kan
Hoffman Co., H.L., 2-3-4-9-10	35 Old County Rd, Westbury	NY
Hopkins Engineering Co., 10-14	12900 Foothill Blvd, San Fernando	Cal
Hughes Industrial Systems, Div., 6-9-10	Intl Airport Sta, Los Angeles 45	Cal
Hughes Microwave Components Div., 3-4-6	Florence & Teale, Culver City	Cal
HUGHES SEMICONDUCTOR DIV., 6, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
HUGHEY & PHILLIPS, INC., 17, Adv Pg 525	**3200 N. San Fernando Blvd, Burbank**	**Cal**
I.D.E.A., Inc., 6-9	7900 Pendleton Pike, Indianapolis 26	Ind
I. H. Manufacturing Co., 1	121 Greene St, New York 12	NY
Inductor Engineering Inc., 7-16	117 Schley Ave, Lewes	Del
Industrial Condenser Corp., 14	3243 N. California Ave, Chicago 18	Ill
Instrument Systems Corp., 1-4	129-07 18th Ave, College Point 56	NY
Intercontinental Electronics, 3-9-10-18	1551 Franklin Ave, Mineola	NY
Interference Measurement Lab., 1-2-3-9-10-14	901 E. 51st St, Brooklyn	NY
International Electronics Mfg. Co., 1-2-3-4-5-9-10-13-14-15-16	Greenwood Acres, Annapolis	Md
International Research & Development Corp., 5	6150 Huntley Rd, Worthington	Ohio
Interstate Electronics Corp., 3-10-16	707 E. Vermont Ave, Anaheim	Cal
J.F.D. ELECTRONICS CORP., 1-3-10-14-18, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
JERROLD ELECTRONICS CORP., 1-2-3-5-9-10-18, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Johnson Co., E.F., 10-17	Waseca	Minn
Johnson Electronics, Inc., 2-3	P.O. Box 1675, Casselberry	Fla
Kaar Engineering Corp., 10	2995 Middlefield Rd, Palo Alto	Cal
KEARFOTT DIV., GEN PRECISION, INC., 4-6, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Kennedy & Co., D.S., 1-9-10	Cohasset	Mass
Keystone Electronics Co., 2-3-6-7-13-14-16	65 7th Ave, Newark	NJ
Keystone Products Co., 3-9-10	904-6 23 St, Union City	NJ
KINGS ELECTRONICS CO., INC., 4, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
KNIGHTS CO., JAMES, 2-3-6-7, Adv Pg 17	**Sandwich**	**Ill**
KROHN-HITE CORP., 5-19, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Lear, Inc., 2-3-16	3171 S. Bundy Dr, Santa Monica	Cal
LIECO, INC., 1-4, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Ling Electronics Div., Ling Altec Electronics, 8	1515 Manchester, Anaheim	Cal
Litton Industries, Maryland Div., 1-3-4-9-10	4900 Calvert Rd, College Park	Md
Lumen, Inc., 3-7-8-9-10-16	P.O. Box 905, Joliet	Ill
Lynch Communication Systems Inc., 7	695 Bryant St, San Francisco 7	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 8, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
McCOY ELECTRONICS CO., 3-6-9-10, Adv Pg 282	**Mt. Holly Springs**	**Pa**
McMillan Industrial Corp., 14	Brownville Ave Plant, Ipswich	Mass
Magnalectric Corp., 3-7-8-9-10	P.O. Box 6008, Tulsa	Okla
Magnasync Corp., 8	5546 Satsuma Ave, North Hollywood	Cal
Magnetic Circuit Elements, Inc., 2-3-9-10	3722 Park Pl, Montrose	Cal
Marconi's Wireless Telegraph Co., Ltd., 12	750 Third Ave, New York 17	NY

Marstan Electronics Corp., 2-3	204 Babylon Trnpk, Roosevelt	NY
MAURY & ASSOCIATES, 3-4-9-10-13, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Melabs, 1-2-3-4-5	3300 Hillview Ave, Palo Alto	Cal
Melpar, Inc., 1-3-4-9-10	3000 Arlington Blvd, Falls Church	Va
Meridian Metalcraft, Inc., 2-3-4-9-10-13	8739 S. Millergrove Dr, Whittier	Cal
Merit Coil & Transformer Corp., 9-10-14-18	2027 Sherman St, Hollywood	Fla
Merrimac Research & Development, Inc., 4	517 Lyons Ave, Irvington	NJ
Micamold Electronics Mfg. Corp., 2-3-10-14	65 Gouverneur St, Newark 4	NJ
MICROLAB, 3-4-5-7-9-10-14, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Micromag Instrument Corp., 7-16	115 Halleck St, Roxbury	Mass
Microphase Corp., 1-2-3-4-5-7-9-10-13-14-16	Box 1166, Greenwich	Conn
Microtech, Inc., 4	Milldale Rd, Cheshire	Conn
MICROTRAN CO., INC., 2-3-8-9-10-14-16, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Microwave Associates, Inc., 3-4	Burlington	Mass
MICROWAVE CHEMICAL LABARATORY, INC., 6, Adv Pg 522	**282 7th Ave, New York 1**	**NY**
Microwave Corp. of America, 1-4	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 1-3-4-9-10-19	92 Broad St, Babson Park 57	Mass
Microwave Electronic Tube Co., Inc., 1-2-3-4-5-6-9-10	76 Lafayette St, Salem	Mass
Midland Mfg. Co., 3-6-9-10	3155 Fiberglas Rd, Kansas City 16	Kan
Millen Mfg. Co., James, 14	150 Exchange St, Malden	Mass
Miller Industries, 3-9-10	1527 Marion, Grand Haven	Mich
Miller Co., J.W., 1-2-3-9-10-13-14-17-18	5915 S. Main St, Los Angeles	Cal
Mini-Rad, Inc., 7	7416-E Varna Ave, N. Hollywood	Cal
Minitran Corp., 8	5 Oliver St, Newark 2	NJ
Mobil Electronics, Inc., 6	1111 State Rd 67E, Anderson	Ind
MOLONEY ELECTRIC CO., 3-9-10, Adv. Pgs. 258, 259	**5390 Bircher Blvd, St. Louis 20**	**Mo**
Mosley Electronics, Inc., 18	4610 N. Lindbergh, Bridgeton	Mo
Mullard Equipment, Ltd., 3-6-9-10	Torrington Pl, London W.C. 1, England	
N.R.K. Mfg. & Engineering Co., 2-3-4	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 4-9-10	118-160 Herricks Rd, Mineola	NY
Natel Engineering Co., Inc., 2-16	15922 Strathern St, Van Nuys	Cal
National Coil Co., 2-3-9-10	P.O. Box 1237, Sheridan	Wyo
Newton Co., 2	55 Elm St, Manchester	Conn
New York Transformer Co., Inc., 2-3-7-8-9-10	Third Ave, Alpha	NJ
NORTH HILLS ELECTRIC CO., INC., 1-2-3-7-8-9-10-12-13-16, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Omega Laboratories, Inc., 4	P.O. Box 308, Rowley	Mass
Ortho Filter Corp., 1-2-3-6-7-8-9-10-13-15-16	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 7-9-10-15-16	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 2	712 S.E. Hawthorne Blvd, Portland 14	Ore
Pacific Mercury Electronics, 3-10	8345 Hayvenhurst Ave, Sepulveda	Cal
Palo Alto Engineering Co., 7	620 Page Mill Rd, Palo Alto	Cal
Paravox, Inc., 19	Oakland Pk. St, Ft. Lauderdale	Fla
PARSONS CO., RALPH M., ELECTRONICS DIV., 1-3, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Peer, Incorporated, 1-2-3-4-9-10	2624 Shelby St, Dallas 19	Tex
Performance Measurements Co., 9-10	15120 Third Ave, Detroit 3	Mich
POLARAD ELECTRONICS CORP., 4, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Polyphase Instrument Co., 2-3-7-9-10-16	E. Fourth St, Bridgeport	Pa
PORTCHESTER INSTRUMENT CORP., 4, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Potter Co., The, 10-14	1950 Sheridan Rd, North Chicago	Ill
Power Industries Co., 2-3	2655 W. 19th St, Chicago 16	Ill
Precision Microwave Corp., 4	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 4, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 1-3-16	Claremont Ave, Thornwood	NY
Pulse Engineering, Inc., 7-8	560 Robert Ave, Santa Clara	Cal
Pulse Techniques Inc., 8	1411 Palisade Ave, West Englewood	NJ
Racal Engineering, Ltd., 6	Western Rd, Bracknell, Berks, England	
Radar Design Corp., 2-4-5	Pickard Dr, Syracuse 11	NY
Radiaphone Co., Inc., 3-9-16	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 1-2-3-9-10	Melbourne	Fla
Radio Condenser Co., 1-3-5-9-10	Camden	NJ
Radio Corp of America Indl Electronic Prods, 1-2-3-4-5-6-9-10-17-18	Front & Cooper, Camden	NJ
Railway Communications, Inc., 2-8	9351 E. 59 St, Raytown	Mo
Ram Electronics, Inc., 2-3-16-19	600 Industrial Ave, Paramus	NJ
Rank Cintel Ltd., 8	Worsley Bridge Rd, London S.E. 26, England	
Rantec Corp., 1-2-3-4-9-10-16	23999 Ventrua Blvd, Calabasas	Cal
REEVES-HOFFMAN, DIV., 2-3-6-8-9-10, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Renco Electronics, Inc., 1-2-3-9-10-14-15	240-1 Old Country Rd, Hicksville	NY
Riverbank Laboratories Dept of Engineering, 11	P.O. Box 65, Geneva	Ill
RIXON ELECTRONICS, INC., 2-3-4-9-10-13-19 Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Rytron Co., Inc., 2-3-6-8-9-10-14-16	7301 Lankershim Blvd, North Hollywood	Cal
Sage Laboratories, Inc., 4	3 Huron Dr, Natick	Mass
St. Marys Carbon Co., 11	State Rd, St. Marys	Pa
SANDERS ASSOCIATES, INC., 4-5-9-10, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Sangamo Electric Co., 2-3-9-10-14	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 2-3-9-10, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Schjeldahl Co., G.T., 16	P.O. Box 170, Northfield	Minn
Secode Corp., 2-3-9-10	555 Minnesota St, San Francisco 7	Cal
Seg Electronics Co., Inc., 8	1778 Flatbush Ave, Brooklyn 10	NY
Servomechanisms, Inc., 3	12500 Aviation Blvd, Hawthorne	Cal
SHALLCROSS MFG. CO., 2-3-9-10, Adv Pg 148	**Selma**	**NC**
Sickles F.W., Div., General Instrument Corp., 3-10	165 Front St, Chicopee	Mass
SIERRA ELECTRONIC CORP., 3-4-10, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Snelgrove Co., Ltd., C.R., 2-3-6	141 Bond Ave, Don Mills, Ontario, Canada	
Sorensen Industrial Electronic Co., 9-10-14	Rt 10, Dover	NJ
Sparton Corp., 2-3-9-10-13-14	2400 E. Ganson St, Jackson	Mich
Spectrum Instruments, Inc., 5-8-16-19	Box 61, Steinway Sta, Long Island City 3	NY
SPENCER-KENNEDY LABS., INC., 2-3-5-9-10-19, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
SPERRY MICROWAVE ELECTRONICS CO., 4, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sprague Electric Co., 14	125 Marshall St, North Adams	Mass
Standard Electronics Co., 14	1611 W. 63rd St, Chicago	Ill
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4-9-10-13-18	Lakewood Rd, Farmingdale	NJ
Stanley Transformer Co., 8	31-23 Vernon Blvd, Long Island City	NY
Superex Electronics Corp., 1-9-10-14	4-6 Radford Pl, Yonkers	NY
T T Electronics, Inc., 2-3-7-8-9-10-13-15-16	P.O. Box 180, Culver City	Cal
Tamar Electronics, Inc., 1-2-3-4-13	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 4	23555 Euclid Ave, Cleveland 17	Ohio
Techniques, Inc., 11	40 Jay St, Englewood	NJ
Technology Instrument Corp of Ariz., 3	1050 E. Valencia Rd, Tucson 2	Ariz
TELECHROME MFG. CORP., 16, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 2-16, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Televiso Corp., 14	1415 Golf Rd, Des Plaines	Ill
Telonic Engineering Corp., 1-2-3-4-5-9-10-13-14	733 Broadway, Laguna Beach	Cal
TELONIC INDUSTRIES, INC., 3-9-10, Adv. Pgs. 190, 191	**60 N. 1st Ave, Beach Grove**	**Ind**
Tenco Electronics, Inc., 7	811 Boylston St, Boston	Mass
Thordarson-Meissner Mfg. Co., 1-2-3-9-10	7th & Belmont Ave, Mt. Carmel	Ill
Topic, Inc., 14	Natick Industrial Center, Natick	Mass
TOROTEL, INC., 2-3-8-9-10-16, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 8, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transformer Engineers, 2-3-9-10-16	285 N. Halstead Ave, Pasadena	Cal
Transformers, Inc., 7	200 Stage Rd, Vestal	NY
Transonic, Inc., 7-8-12-16	808 16th St, Bakersfield	Cal
Tresco, Inc.	3824 Terrace St, Philadelphia 28	Pa
TURBO MACHINE CO., 4, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Control Corp., 14	4540 Union Bay Pl, Seattle 5	Wash
United Shoe Machinery Corp., Antenna & Microwave Sec., 2-3-4-9-10	Balch St, Beverly	Mass
U.S. Electronics Corp., 1	276 Warren St, Lyndhurst	NJ
U.S. Sonics Corp., 3-6	625 McGrath Hwy, Somerville 45	Mass
Universal Toroid Coil Winding, Inc., 8	171EB Coit St, Irvington	NJ
University Loudspeakers, Inc., 9-10	80 S. Kenisco Ave, White Plains	NY
Vanguard Electronics Co., 1-2-3-9-10	3384 Motor Ave, Los Angeles 34	Cal
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 8-19, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vibration Research Labs., Inc., 14	58 Marbledale Rd, Tuckahoe	NY
Victor R.F. & Microwave Co., 1-4-6	36 W. Water St, Wakefield	Mass
Vidaire Electronics Mfg. Corp., 1-9-10-14	44 Church St, Baldwin	NY
Waber Electronics, Inc., 1-9-14	Hancock & Sommerset, Philadelphia 33	Pa
Wahlgren Magnetics, Div., Marshall Ind., 2-3-9-10-16	1900 Walker Ave, Monrovia	Cal
Waveline, Inc., 2-3-4	P.O. Box 718, Caldwell	NJ
Wells Industries Corp., 11	6880 Troost Ave, North Hollywood	Cal
Western Electro-Acoustic Lab., 8-9-10	11787 San Vicente Blvd, Los Angeles	Cal
Westrex Corp., Div., Litton Industries, 2-3-6-8-9-10	540 W. 58 St, New York 19	NY
WHITE INSTRUMENT LABORATORIES, 7-16, Adv Pg 552	**Box 9006, Allendale Sta, Austin 17**	**Tex**
Whitewater Electronics, Inc., 2-3-9-10	136 W. Main St, Whitewater	Wisc
Wiley Electronics, Div., Savage Industries, 4	2045 W. Cheryl Dr, Phoenix	Ariz
Winegard Co., 1-2-3-9-10-18	3000 Scotten Blvd, Burlington	Iowa

FILTERS —*FLUID*

1. AIR CLEANING 2. LIQUID & WATER

Air Control Installations Ltd, 1	Ruislip, Middx, England	
American Felt Co., 1-2	10 Glenville Rd, Glenville	Conn
Amflex Products Dept., Amer Mach & Fdry. Co., 1-2	689 Hope St, Springdale	Conn
Bearing Inspection, Inc., 2	3311 E, Gage Ave, Huntington Park	Cal
Cambridge Filter Corp., 1	738 E. Erie Blvd, Syracuse 1	NY
Commercial Filters Corp., 1-2	4 Main St, Melrose 76	Mass
DeVilbiss Co., 1	300 Phillips Ave, Toledo 1	Ohio
Electro-Air Cleaner Co., Inc., 1	Olivia & Sproul Sts, McKees Rocks	Pa
Farr Co., 1	P.O. Box 90187 Airport Sta, L A 45	Cal
GPE Controls, Inc., 1-2	240 E. Ontario St, Chicago 11	Ill
Hankison Corp., 1	College & Pike, Canonsburg	Pa
Kahn & Co., Inc., 1-2	885 Wells Rd, Wethersfield	Conn
Kinemotive Corp., 2	P.O. Box 386, Huntington Sta	NY
Kressilk Products, Inc., 1-2	73 Murray St, New York 7	NY
Mack Iron Works Co., 2	Warren & Water Sts, Sandusky	Ohio
Master Appliance Mfg. Co., 1	4th & Ontario Sts, Racine	Wisc
Miller Co., L. C., 2	5005 E. Slauson Ave, L A 22	Cal
Montgomery Co., 1-2	20 Canal Bank, Windsor Locks	Con
Newark Wire Cloth Co., 2	353 Verona Ave, Newark	NJ
Permutit Co., A Div of Pfaudler Permutit Inc., 2	50 W. 44 St, New York 36	NY
Pro-Chem, Inc., 2	1571 Merwin Ave, Cleveland 13	Ohio
Radex Corp., 1	2076 N. Elston Ave, Chicago 14	Ill
Research Products Corp., 1	1015 E. Washington, Madison	Wisc
Rucker Co., The, 2	4700 San Pablo Ave, Oakland 8	Cal
St. Marys Carbon Co., 1-2	State Rd, St. Marys	Pa
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Trion, Inc., 1	1000 Island Ave, McKees Rocks	Pa
Unique Wire Weaving Co., Inc., 1-2	759 Ramsey Ave, Hillside	NJ
U.S. Hoffman Machinery Corp., 1	103 4th Ave, New York 3	NY
Wells Industries Corp., 1	6880 Troost Ave, North Hollywood	Cal

FILTERS —*INFRARED* See INFRARED DEVICES
FINISHES See COATINGS: ENAMELS: LACQUERS: PAINTS: VARNISHES
FINISHES —*LUMINOUS* See PAINTS —*LUMINOUS*
FINISHES —*RIPPLE* See VARNISHES
FIRE-CONTROL COMPUTERS See COMPUTERS —*SPECIAL*
FIRE-CONTROL SYSTEMS See RADAR
FIRE DETECTORS See DETECTORS —*FIRE*
FISH FINDERS See DEPTH SOUNDERS: SONAR
FISH PAPER See PAPER

FIXTURES —*HOLDING*

1. CHASSIS 2. COMPONENT 3. CONNECTOR 4. PRINTED WIRING BOARD

ABALON PRECISION MFG. CORP., 1-2, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Aerovox Corp., 1	740 Belleville Ave, New Bedford	Mass
Amco Engineering Co., 1	7333 W. Ainslie St, Chicago 31	Ill
Anchor Specialty Mfg. Co., Inc., 1-2-3-4	300 Hollister Rd, Teterboro	NJ
AUGAT BROS., INC., 2-3, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Bud Radio, Inc., 1	2118 E. 55th St, Cleveland 3	Ohio
Carroll Pressed Metal, Inc., 2-3	133 Dewey St, Worcester	Mass
Churchill Lighting Corp., 1	344 Franklin St, Melrose 76	Mass
Defiance Printed Circuit Corp., 4	83 Albion St, Wakefield	Mass
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Deutsch Co., Electronic Components Div., 3	Municipal Airport, Banning	Cal
Everard Tap & Die Corp., 1-2-3	213 E. 144th St, New York 51	NY
Fae Instrument Corp., 3	42-61 Hunter St, Long Island City 1	NY

General Components Co., 2-3	225-229 E. 144th, New York 51	NY
Grant Pulley & Hardware Corp., 2	135 High St, West Nyack	NY
I.E. Manufacturing, 1	325 N. Hoyne Ave, Chicago 12	Ill
MacDonald & Co., 3-4	1324 Ethel St, Glendale 7	Cal
Northern Metal Products Co., 1-2	9597 W. Grand, Franklin Park	Ill
Oki & Willadsen, Ltd., 4	47 Crockford Blvd, Toronto 16, Ontario,	Canada
Rimak, Inc., 1-2	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
STAFFORD MFG. CO., INC., 4, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Summit Industries, Inc., 1	2114 W. Rosecrans Ave, Gardena	Cal
Technical Devices Co., 1-2-3-4	11242 Playa Ct, Culver City	Cal
Technology Instrument Corp of Ariz., 2	1050 E. Valencia Rd, Tucson 2	Ariz
UCINITE CO., DIV., UCC, 2-4, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
York Metal Products, Inc., 1	350 Greenwich St, New York 13	NY

FLAME-FAILURE CONTROLS See **CONTROLS** *–FLAME-FAILURE*
FLANGE CLAMPS *–WAVEGUIDE* See **CLAMPS**

FLANGES *–WAVEGUIDE (Incl. BULKHEAD)*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
American Radar Components, Inc	415 E. Main St, Denville	NJ
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Cardwell Condenser Corp	80 E. Montauk Hwy, Lindenhurst	NY
Carmac Aviation	8414 San Fernando Rd, Sun Valley	Cal
Chase Brass & Copper Co., Inc	236 Grand St, Waterbury 20	Conn
Connector Corp of America	12959 Sherman Way, North Hollywood	Cal
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

FLASHERS

Aircraft Instruments Co	King of Prussia Rd at Montgomery Ln, Radnor	Pa
Cable Electric Products	234 Daboll St, Providence	RI
Jordan Electronics Div	3025 W. Mission Rd, Alhambra	Cal
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Pendar, Inc	14744 Arminta St, Van Nuys	Cal
Penn Keystone Corp	Hawkins St, Derby	Conn
Radar Relay, Inc	2322 Michigan Ave, Santa Monica	Cal
Reynolds Electric Co	3000 River Rd, River Grove	Ill
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ

FLASH GUNS See **PHOTOFLASH EQUIPMENT**
FLAW DETECTORS See **DETECTORS** *–FLAW, ELECTRONIC:* **ULTRASONIC EQUIPMENT**
FLEXIBLE CIRCUITS See **CIRCUITS** *–PRINTED WIRING, CUSTOM SERVICE*
FLEXIBLE COAXIAL CABLES See **CABLES** *–COAXIAL*
FLEXIBLE SHAFT ADAPTERS See **ADAPTERS** *–FLEXIBLE SHAFT*
FLEXIBLE SHAFT COUPLINGS See **COUPLINGS** *–SHAFT*
FLEXIBLE SHAFTS See **SHAFTS** *–FLEXIBLE*
FLIGHT CONTROL SYSTEMS See **AUTOPILOTS**
FLIGHT SIMULATORS See **SIMULATORS**
FLIP-FLOPS *–PACKAGED* See **CIRCUITS** *–PACKAGED*

FLOCK & FLOCKED PAPER

Flock Process Co., Inc	373 Main Ave, Norwalk	Conn
Naz-Dar Co	465 Milwaukee Ave, Chicago 10	Ill

FLOWMETERS See **INDICATORS** *–FLUID-FLOW*
FLOW TRANSDUCERS See **TRANSDUCERS**
FLUID CONDUCTIVITY CONTROLS See **CONTROLS** *–CONDUCTIVITY*
FLUID-FLOW CONTROLS See **CONTROLS** *–FLUID-FLOW*
FLUID-FLOW INDICATORS See **INDICATORS** *–FLUID-FLOW*
FLUID-FLOW RECORDERS See **RECORDERS** *–FLUID-FLOW*

FLUIDS
1. DAMPING 2. DIFFUSION PUMP 3. TRANSDUCER

Bendix Aviation Corp., Montrose Div., 3	South Montrose	Pa
General Electric Co., Silicone Prods Dept., 1	Dept A, Waterford	NY
Green Rectifier Co., 2	1-10 30th St, Fair Lawn	NJ
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 2	2 Churchill Rd, Hingham 1	Mass
International Pump & Machine Works, 2	81 Dorsa Ave, Livingston	NJ
Korfund Co., Inc., 1	1060 Washington Ave, New York 50	NY
Minnesota Mining & Mfg. Co., Chemical Div., 1-3	900 Bush Ave, St. Paul 6	Minn
Potter Aeronautical Corp., 3	Rt 22, Union	NJ
S-E Laboratories Ltd., 3	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Silicones Div., UCC, 1	270 Park Ave, New York 17	NY
STATHAM INSTRUMENTS, INC., 3, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Veeco Vacuum Corp., 2-3	86 Denton Ave, New Hyde Park	NY
Welch Scientific Co., W.M., 2	1515 Sedgwick St, Chicago 10	Ill

FLUORESCENT COMPOUNDS *–PHOSPHORS*

Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
Stroblite Co	77 W. 45 St, New York	NY
Sylvania Electric Prods., Inc., Chem & Metallurgical Div.	Towanda	Pa

Thomas Electronics, Inc	118 Ninth St, Passaic	NJ
Ultra-Violet Products, Inc	5114 Walnut Grove Ave, San Gabriel	Cal
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

FLUOROCARBONS See **PLASTICS**

FLUOROMETERS

Photovolt Corp	95 Madison Ave, New York 16	NY

FLUSH CIRCUITS See **CIRCUITS** *–PRINTED WIRING*
FLUTTER METERS See **METERS** *–WOW & FLUTTER*

FLUXES
1. BRAZING 2. SOLDERING, LEAD-TIN, NONCORROSIVE 3. SOLDERING, LEAD-TIN: ACID 4. SOLDERING, SILVER

Accurate Specialties Co., Inc., 2-3	37-11 57 St, Woodside 77	NY
All-State Welding Alloys Co., Inc., 1-2-3-4	249 Ferris Ave, White Plains	NY
Allen Co., Inc., L.B., 1-2-3-4	9329 W. Bernice, Schiller Park	Ill
Alpha Metals, Inc., 2-3-4	60D Water St, Jersey City	NJ
Aluminum Co of America, 1-2	Alcoa Bldg, Pittsburgh 19	Pa
American Brazing Alloys Corp., 1-2-3-4	P. O. Box 11, Pelham	NY
American Silver Co., Inc., 1	36-07 Prince St, Flushing 54	NY
American Smelting & Refining Co., 2	120 Broadway, New York 5	NY
American Solder & Flux Co., 1-2-3-4	19th & Willard Sts, Philadelphia 40	Pa
Anchor Metal Co., The, 1-2-3-4	966 Meeker Ave, Brooklyn 22	NY
Belmont Smelting & Refining Works, 1-2-3-4	332 Belmont Ave, Brooklyn 7	NY
Blackstone Corp., 2	1111 Allen St, Jamestown	NY
Bow Solder Products Co., Inc., 2-3	251 Freeman St, Brooklyn 22	NY
Burnley Battery & Mfg. Co., 2	Clay St, North East	Pa
Dalweld Co., Inc., 1-2-3-4	11 Bertel Ave, Mt. Vernon	NY
Decimeter Products Co., 2	Star Rt, P.O. Box 67, Littleton	Colo
Division Lead Co., 2-3-4	7742 W. 61st Pl, Summit	Ill
Dunton Co., M.W., 1-2-3-4	350 Kinsley Ave, Providence	RI
du Pont de Nemours & Co., Inc., E.I., 2-3	Wilmington 98	Del
Eagle Electric Mfg. Co., Inc., 2	23-10 Bridge Plaza S., L.I. City	NY
Electroparts, 2	P.O. Box 1137, Glendale	Cal
Electrovert, Inc., 2-3-4	124 E. 40 St, New York 17	NY
Engelhard Industries, Inc., 1-4	113 Astor St, Newark 2	NJ
Fairmount Chemical Co., Inc., 2	136 Liberty St, New York 6	NY
Farrelloy Co., 1-2-3-4	1245 N. 26 St, Philadelphia	Pa
General Electric Co., Lamp Metals & Components Dept., 1-2-3	21800 Tungsten Rd, Cleveland 17	Ohio
HANDY & HARMAN, 1-4, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Howe International	431 Danforth, Jersey City 5	NJ
International Nickel Co., Inc., 1	67 Wall St, New York 5	NY
Johnson Matthey & Mallory Ltd., 1-4	110 Industry St, Toronto, Ontario, Canada	
Johnson Mfg. Co., Inc., 1-2-3-4	Mt. Vernon	Iowa
KESTER SOLDER CO., 2-3-4, Adv Pg 554	**4212 Wrightwood Ave, Chicago 39**	**Ill**
Lake Chemical Co., 1-2-3-4	3052 W. Carroll Ave, Chicago 12	Ill
Lenk Mfg. Co., 3	Franklin	Ky
Linde Co., Div., UCC, 1	270 Park Ave, New York 17	NY
London Chemical Co., 2-3	1535 N. 31 Ave, Melrose Park	Ill
Michael, Inc., Claude, 1-2-3	703 W. Ivy St, Glendale 4	Cal
MICO INSTRUMENT CO., 2, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
National Lead Co., 2-3	111 Broadway, New York 6	NY
Osborn Products	2364 Porter Ave, Altadena	Cal
Ruby Chemical Co., 2-3	68 McDowell St, Columbus 16	Ohio
Special Chemicals Corp., 3-4	102 St. Water St, Ossining	NY
Superior Flux & Mfg. Co., 1-2-3-4	1536 St. Clair Ave, Cleveland 14	Ohio
Tricon Mfg. Co., 1-2-3-4	8012 S. Wallace St, Chicago 20	Ill
United Wire & Supply Corp., 1-4	1497 Elmwood Ave, Providence 7	RI
Wildberg Bros Smelting & Refining Co., 1-4	742 Market St, San Francisco 2	Cal

FLUXMETERS

All-State Welding Alloys Co., Inc	249 Ferris Ave, White Plains	NY
Bell, Inc., F.W.	1356 Norton Ave, Columbus 12	Ohio
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Epic, Inc	150 Nassau St, New York 38	NY
G.R.H. HALLTEST CO., Adv Pg 516	**157 S. Morgan Blvd, Valparaiso**	**Ind**
Halex, Inc	310 E. Imperial Hwy, El Segundo	Cal
Harvey-Wells Electronics, Inc	North St, Southbridge	Mass
Keithley Instruments, Inc	12415 Euclid Ave, Cleveland 6	Ohio
Klein-Electronics, Leo	2404 S. La Brea Ave, Los Angeles 16	Cal
Pimex, Inc	18 E. 60th St, New York 22	NY
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
RAWSON ELECTRICAL INSTRUMENT CO., Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**

FLUX SOLVENTS See **SOLVENTS** *–ROSIN FLUX*
FLYBACK TRANSFORMERS See **TRANSFORMERS** *–IRON-CORE & FERRITE CORE SPECIAL*
FLYING SPOT SCANNERS See **SCANNERS** *–IMAGE*
F-M AMPLIFIERS See **AMPLIFIERS** *– R-F, PREAMPLIFIERS*
F-M ANTENNAS See **ANTENNAS**
F-M DEVIATION METERS See **METERS** *– F-M DEVIATION*
F-M RECEIVERS See **RECEIVERS** *–RADIO COMMUNICATION:* **RECEIVERS** *– RADIO, ENTERTAINMENT*
F-M SIGNAL GENERATORS See **GENERATORS** *–SIGNAL*
F-M TRANSMITTERS See **TRANSMITTERS** *–BROADCAST*
F-M TUNERS See **TUNERS** *–ENTERTAINMENT, RADIO*
FOAM CERAMICS See **CERAMICS** *–FOAM*
FOAM PLASTICS See **PLASTICS** *–FOAM:* **PACKAGING MATERIALS**
FOAM RUBBER See **RUBBER**
FOCUS COILS See **COILS**
FOCUS MAGNETS *–PERMANENT, TV* See **MAGNETS** *–PERMANENT*
FOIL See *ALUMINUM, COPPER, LEAD, TIN & TANTALUM*

FOIL *–MAGNETIC*

American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Hamilton Watch Co., Precision Metals Div	Lancaster	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Minnesota Mining & Mfg. Co., Magnetic Products	900 Bush Ave, St. Paul 6	Minn
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
ZIPPERTUBING CO., Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

FOIL-WOUND COILS See **COILS**

FOIL-WOUND CORES See CORES —*LAMINATED*
FOIL-WOUND TRANSFORMERS See TRANSFORMERS —*IRON-CORE, SPECIAL*
FOOTCANDLE METERS See METERS —*LIGHT*
FOREIGN POWER ADAPTERS See ADAPTERS
FORK-CONTROLLED OSCILLATORS See OSCILLATORS — A-F

FORKS —*ELECTRICALLY DRIVEN TUNING*

GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Muirhead & Co., Ltd	Beckenham, Kent, England	
Riverbank Laboratories Dept of Engineering	P.O. Box 65, Geneva	Ill
Sullivan Ltd., H.W.	80 Shore Rd, Port Washington	NY
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
Times Facsimile Corp	540 W. 58th St, New York 19	NY
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

FORMED WIRE PARTS See WIRE PARTS —*FORMED*
FORMING MACHINES See MACHINES —*FORMING*

FORMS —*COIL & RESISTOR (WITHOUT FLANGES)*
1. CERAMIC 2. PAPER 3. PLASTIC See *Also* BOBBINS

Allegheny Plastics, Inc., 3	Rt. 51, Thorn Run Rd, Coraopolis	Pa
AMERICAN LAVA CORP., 1, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Bonny Mfg. Corp., 3	146 Main St, Maynard	Mass
Booker & Walestad, Inc., 3	3336 Gorham Ave, Minneapolis 26	Minn
Boonton Molding Co., 3	Boonton	NJ
Caddell Burns Mfg. Co., Inc., 1-2-3	40 E. 2nd St, Mineola	NY
CAMBRIDGE THERMIONIC CORP., 1-2-3, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
CARBORUNDUM CO., LATROBE PLANT, 1, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Cleveland Container Co., 2-3	6201 Barberton Ave, Cleveland 2	Ohio
Coilcraft, Inc., 3	Cary	Ill
Colber Corp., The, 1	26 Buffington St, Irvington	NJ
Comco Plastics, Inc., 3	98-34 Jamaica Ave, Richmond Hill	NY
CONTINENTAL-DIAMOND FIBRE CORP., 3, Adv. Pgs. 205-208	**Newark 100**	**Del**
Coors Porcelain Co., 1	600 Ninth St, Golden	Colo
Cosmo Plastics Co., 3	3239 W. 14 St, Cleveland	Ohio
Darrill Products Corp., 3	107 Falmouth St, Attleboro	Mass
Du-Co Ceramics Co., 1	1050 Main St, Saxonburg	Pa
Duramic Products, Inc., 1	426 Commercial Ave, Palisades Park	NJ
Electrical Refractories Co., 1	50 Clark St, E. Palestine	Ohio
Electronic Service Corp., 3	2906 Birch St, Franklin Park	Ill
Emerson Plastics Corp., 2-3	1383 Seabury Ave, Bronx 61	NY
Ferricore, Inc., 3	250 South St, Newark 5	NJ
FERROXCUBE CORP OF AMERICA, 1, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
Fisher & Crome, 3	107 N. Camac St, Philadelphia 7	Pa
Form-It Products, Inc., 2-3	1619 W. Walnut St, Chicago 12	Ill
G B COMPONENTS, INC., 3, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
Garde Mfg. Co., 3	55 John St, Cumberland	RI
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1, Adv Pg 471	**Keasbey**	**NJ**
General Components Co., 1-2-3	225-229 E. 144th, New York 51	NY
Gladding, McBean & Co., 1	1551 S. Primrose St, Monrovia	Cal
GRAYHILL, INC., 3, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
H & H Machine Corp	Noble & Jackson Sts, Norristown	Pa
Insulation Manufacturers Corp., 3	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg.Corp., 1	Stirling	NJ
Joclin Mfg. Co., 3	9 Lufbery Ave, Wallingford	Conn
Kirchberger & Co., Inc., M., 1-3	248 Humphrey St, Englewood	NJ
Long, Inc., Thomas J., 3	215 Stonehinge Ln, Carle Place	NY
Maryland Lava Co., 1-3	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 1	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 1-3	150 Exchange St, Malden	Mass
Mitronics, Inc., 1	1290 Central Ave, Hillside	NJ
Molding Corp of America, 3	42 Church St, Pawtucket	RI
MYCALEX CORP OF AMERICA, 1, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Beryllia Corp., 1	4501 Dell Ave, North Bergen	NJ
National Ceramic Co., 1	400 Southard St, Trenton 2	NJ
National Coil Co., 1-3	P.O. Box 1237, Sheridan	Wyo
NATIONAL RADIO CO., 1, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NORTH HILLS ELECTRIC CO., INC., 1-3, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Oki & Willadsen, Ltd., 3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PARAMOUNT PAPER TUBE CORP., 2, Adv Pg 542	**614 Lafayette St, Fort Wayne**	**Ind**
Peerless Products Industries, 3	812 N. Pulaski St, Chicago 51	Ill
Pennsylvania Fluorocarbon Co., 3	1115 N. 38th St, Philadelphia 4	Pa
POLYMER CORP., 3, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Porter Co., Wm., 3	1007 Sante Fe Ave, Los Angeles	Cal
PRECISION PAPER TUBE CO., 2-3, Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
Printloid Inc., 3	10-04 44th Ave, Long Island City 1	NY
Quality Components, Inc., 3	St. Marys	Pa
Radio Industries, Inc., 3	666 Garland Pl, Des Plaines	Ill
RESDEL CORP., 3, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Romar Plastics Inc., 3	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 1-2-3	239 Jacksonville Rd, Hatboro	Pa
Silicone Insulation, Inc., 3	1385 Seabury Ave, Bronx 61	NY
Star Porcelain Co., 1	61 Muirhead Ave, Trenton 9	NJ
Stevens Products, Inc., 3	86-88 Main St, East Orange	NJ
Steward Mfg. Co., D.M., 1	3600 Jerrome Ave, Chattanooga 1	Tenn
Stone Paper Tube Co., Div., Stone Straw Corp., 2-3	900 Franklin St, N.E., Washington 17	DC
Superex Electronics Corp., 2-3	4-6 Radford Pl, Yonkers	NY
SUPERIOR STEATITE & CERAMIC CORP., 1-3, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Swenson Co., Inc., V.H., 3	552 Elm St, Kearny	NJ
SYNTHANE CORP., 3, Adv Pg 35	**Oaks**	**Pa**
Thor Ceramics, Inc., 1-3	225 Belleville Ave, Bloomfield	NJ
United Fabricators Electronics, Inc., 3	Stillwater	Minn
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
U.S. Electronics Corp., 3	276 Warren St, Lyndhurst	NJ

FORMS —*EPOXY, ENCAPSULATING*

AC Electronics, Inc	11725 Mississippi Ave, Los Angeles 25	Cal
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
CONTINENTAL-DIAMOND FIBRE CORP., Adv. Pgs. 205-208	**Newark 100**	**Del**
Cosmo Plastics Co	3239 W. 14 St, Cleveland	Ohio
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
Electronic Transformer Co	70 Washington St, Brooklyn 1	NY
Emerson Plastics Corp	1383 Seabury Ave, Bronx 61	NY
General Components Co	225-229 E. 144th, New York 51	NY
Hysol Corp	Olean	NY
Isolantite Mfg.Corp	Stirling	NJ
Kirchberger & Co., Inc., M.	248 Humphrey St, Englewood	NJ
Maryland Lava Co	Dept GB, Bel Air	Md
Minnesota Mining & Mfg. Co., Chemical Div.	900 Bush Ave, St. Paul 6	Minn
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Plastronic Engineering Co	721 Boston Post Rd, Marlborough	Mass
PRECISION PAPER TUBE CO., Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
RESDEL CORP., Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Silicone Insulation, Inc	1385 Seabury Ave, Bronx 61	NY
Stevens Products, Inc	86-88 Main St, East Orange	NJ
SUPERIOR STEATITE & CERAMIC CORP., Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Telex, Inc	Telex Park, St. Paul 1	Minn
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
U.S. Electronics Corp	276 Warren St, Lyndhurst	NJ

FORSTERITE See CERAMICS
FRACTIONAL — HP MOTORS See MOTORS

FRAMES —*MEMORY (WITHOUT CORES)*

Beck's, Inc	298-300 E. Fifth St, St. Paul 1	Minn
Plastronic Engineering Co	721 Boston Post Rd, Marlborough	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
U.S. Electronics Corp	276 Warren St, Lyndhurst	NJ

FREQUENCY ANALYZERS See ANALYZERS

FREQUENCY CALIBRATION SERVICES

AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Bonny Mfg. Corp	146 Main St, Maynard	Mass
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Eidson Electronic Co	1902 N. Third St, Temple	Tex
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

FREQUENCY CALIBRATORS See CALIBRATORS —*FREQUENCY*
FREQUENCY CONTROLS See REGULATORS —*FREQUENCY*
FREQUENCY COUNTERS See COUNTERS —*ELECTRONIC*
FREQUENCY DIVIDERS See DIVIDERS —*FREQUENCY*
FREQUENCY INDICATORS See METERS —*FREQUENCY*
FREQUENCY MARKERS —*MICROWAVE* See MARKERS —*FREQUENCY, MICROWAVE*

FREQUENCY-MEASURING SERVICE —*RADIO*

CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Eidson Electronic Co	1902 N. Third St, Temple	Tex
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

FREQUENCY METERS See METERS —*FREQUENCY*
FREQUENCY MODULATION See F-M LISTINGS
FREQUENCY MONITORS See MONITORS —*FREQUENCY*
FREQUENCY MULTIPLIERS See GENERATORS —*SIGNAL, HARMONIC*
FREQUENCY RECORDERS See RECORDERS —*FREQUENCY*
FREQUENCY REGULATORS See REGULATORS —*FREQUENCY*
FREQUENCY-SELECTIVE RELAYS See RELAYS
FREQUENCY-SHIFT KEYERS See KEYERS
FREQUENCY-SHIFT SYSTEMS See COMMUNICATION SYSTEMS
FREQUENCY STANDARDS See STANDARDS
FUEL GAGES See GAGES —*FUEL*
FUNCTION GENERATORS —*COMPUTER* See GENERATORS —*FUNCTION*
FUNCTION MULTIPLIERS See MULTIPLIERS —*COMPUTER*
FUNGICIDAL COATINGS See COATINGS

FUNGIPROOFING SERVICES

Electronic Service Corp	2906 Birch St, Franklin Park	Ill
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Twin City Metalseal Corp	801 S.E. 8th St, Minneapolis 14	Minn

FUNGUS TEST CHAMBERS See CHAMBERS

FURNACES
1. CONTROLLED ATMOSPHERE 2. ELECTRIC (FOR COMPONENT PRODUCTION) 3. GAS-FIRED (FOR COMPONENT PRODUCTION) 4. HIGH-FREQUENCY 5. TEMPERATURE GRADIENT 6. VACUUM

Ajax Magnethermic Corp., 1-2-4-6	3990 Simon Rd, Youngstown 1	Ohio
American Gas Furnace Co., 1-3-5	130 Spring St, Elizabeth	NJ
B & H Instrument Co., 5	3479 S. Vickery Blvd, Ft. Worth 7	Tex
BTU Engineering Corp., 1-2-3-5-6	179 Bear Hill Rd, Waltham 54	Mass
Blue M Electric Co., 2	138 & Chatham, Blue Island	Ill
Brew & Co., Inc., Richard D., 6	90 Airport Rd, Concord	NH
Consolidated Electrodynamics Corp., 6	360 N. Sierra Madre Villa, Pasadena	Cal
Controlled Atmosphere Enclosures Mfg. Co., 1	1061 E. 8th St, Jacksonville 6	Fla
Despatch Oven Co., 2-3	Minneapolis	Minn
Ecco High Frequency Corp., 1-4-6	7020 Hudson Blvd, North Bergen	NJ
Edwards High Vacuum(Canada)Ltd., 6	Box 515, Burlington, Ontario, Canada	
Eisler Engineering Co., Inc., 4	751 S. 13 St, Newark 3	NJ
Electric Hotpack Co., Inc., 2-5	5016 Cottman St, Philadelphia 35	Pa
Engelhard Industries, Inc., 2-5	113 Astor St, Newark 2	NJ
Erdco Engineering Corp., 4	Addison	Ill

Forter-Teichmann Co., 2-3	Clark Bldg, Pittsburgh 22	Pa
Gardner Laboratories, 2-3-6	5521 Landy Ln, Bethesda	Md
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-4-6, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Vacuum Corp., 6	400 Border St, East Boston 28	Mass
Grieve-Hendry Co., Inc., 2-3	1350 N. Elston Ave, Chicago 22	Ill
GRUENBERG ELECTRIC CO., INC., 1-2-6, Adv Pg 556	**9 Commercial Ave, Garden City**	**NY**
Harper Electric Furnace Corp., 1-2-3	110 Pearl St, Buffalo 2	NY
Hayes, Inc., G.L., 1-2-6	875 Wellington Ave, Cranston 10	RI
Hevi-Duty Electric Co., A Div of Basic Products Corp., 1-2-3-5-6	Milwaukee 1	Wisc
Hicks Corp., 6	1671 Hyde Park Ave, Hyde Park	Mass
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 1-2-6	2 Churchill Rd, Hingham 1	Mass
Hull Corp., 6	Davisville Rd, Hatboro	Pa
Huppert Co., K.H., 1-2-5-6	6864 S. Cottage Grove Ave, Chicago 37	Ill
Induction Heating Corp., 4	181 Wythe Ave, Brooklyn 11	NY
Industron Corp., 4	55 Needham St, Newton Highlands	Mass
KAHLE ENGINEERING CO., 1-2-3-5-6, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kanthal Corp., 2	Amelia Pl, Stamford	Conn
Kinney Vacuum Div., New York Air Brake Co., 6	3529 Washington St, Boston	Mass
Laboratory Equipment Corp., 4	Lakeview & Hilltop Rd, St. Joseph	Mich
Leeds & Northrup Co., 1	4970 Stenton Ave, Philadelphia 44	Pa
LEPEL HIGH FREQUENCY LABS., INC., 4, Adv Pg 544	**1548 37 Ave, Woodside 77**	**NY**
Lindberg Engineering Co., 1-2-3-4-5-6	2450 W. Hubbard St, Chicago	Ill
Litton Engineering Labs., 1	P.O. Box 949, Grass Valley	Cal
Materials for Electronics, Inc., 3	152-25 138 Ave, Jamaica 34	NY
Merco Products, Inc., 1	1298 Bethel Dr, Eugene	Ore
NRC Equipment Corp., 1-2-6	160 Charlemont St, Newton 61	Mass
Ohio Crankshaft Co., Tocco Div., 4	3800 Harvard Ave, Cleveland 5	Ohio
Pacific Scientific Co., 1-2-3-5-6	P.O. Box 22019, Los Angeles 22	Cal
Perera Equipment Co., Inc., 1-2-5	891 Chambers Rd, Columbus	Ohio
Pimex, Inc., 5-6	18 E. 60th St, New York 22	NY
Pioneer Industries Div., Almar-York Co., Inc., 1-2-3	3455 W. Vickery, Fort Worth 7	Tex
Plastic Welding Corp., 4	841 Freylinghuysen Ave, Newark	NJ
Radio Frequency Co., Inc., 1-4-6	44 Park St, Medfield	Mass
Reeve Electronics, Inc., 4	609 W. Lake St, Chicago 6	Ill
Research, Inc., 1-2-5	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Scientific Electric, Inc., 4	105-119 Monroe St, Garfield	NJ
Scientific Engineering Laboratories, 1-6	1510 Sixth St, Berkeley 10	Cal
STANDARD CABINET CO., INC., 1, Adv Pg 468	**57 Washington Ave, Carlstadt**	**NJ**
Sta-Warm Electric Co., 2-6	23 N. Chestnut St, Ravenna	Ohio
Steiner-Aves Co., 1-2-3	Springfield Rd, Union	NJ
Stewart Engineering Co., 1	467 Bean Creek Rd, Santa Cruz	Cal
STOKES CORP., F.J., 6, Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp., 1-2-5-6	1500 Union Landing Rd, Riverton	NJ
Thermionic Products Co., 1-2-3	Interhaven Ave, Plainfield	NJ
Thermo Electric Mfg. Co., 2	465 Huff St, Dubuque	Iowa
Thermovolt Instruments, Ltd., 1-2-3-4-5-6	70 Advance Rd, Toronto 18, Ontario, Canada	
U.S. Steel Corp., 2-4	525 Wm Penn Pl, Pittsburgh 30	Pa
Vactronic Lab. Equipment, Inc., 6	21 Monmouth Ct, East Northport	NY
Vacuum Specialties Co., 6	34 Linden St, Somerville	Mass
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Veeco Vacuum Corp., 6	86 Denton Ave, New Hyde Park	NY
Webber Mfg. Co., Inc	P.O. Box 217, Indianapolis 6	Ind
Young Brothers Co., 1-2-3-4	1829 Columbus Rd, Cleveland	Ohio
Zirconium Corp of America, 1	31501 Solon Rd, Solon 39	Ohio

FURNITURE *–ELECTRONIC LABORATORY* See **BENCHES & STOOLS**
FUSED QUARTZ See **QUARTZ** *–FUSED*
FUSE HOLDERS See **HOLDERS**
FUSE RESISTORS See **RESISTORS** *–FUSE*

FUSES

1. STANDARD 2. TIME DELAY

Bel Fuse, Inc., 1-2	198 Van Vorst St, Jersey City	NJ
BURNDY CORP., 2, Adv Pg 192	**Norwalk**	**Conn**
BUSSMANN MFG. DIV., MCGRAW-EDISON CO., 1-2, Adv Pg 97	**University at Jefferson, St. Louis 7**	**MO**
Cable Electric Products, 1	234 Daboll St, Providence	RI
Chase-Shawmut Co., 1-2	Newburyport	Mass
Cook Electric Co., 2	2700 Southport Ave, Chicago 14	Ill
Eagle Electric Mfg. Co., Inc., 1-2	23-10 Bridge Plaza S., L.I. City	NY
Economy Fuse & Mfg. Co.	2717 Greenview Ave, Chicago 14	Ill
ELECTRONIC SPECIALTY CO., 2, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
HERMETIC SEAL CORP., 1-2, Adv Pg 475	**29-37 S. Sixth St, Newark 7**	**NJ**
I. H. Manufacturing Co., 2	121 Greene St, New York 12	NY
Littelfuse, Inc., 1-2	1865 Miner St, Des Plaines	Ill
Lumenite Electric Co., 2	407 S. Dearborn St, Chicago 5	Ill
Marstan Electronics Corp., 2	204 Babylon Tnpk, Roosevelt	NY
Royal Electric Corp., 1-2	95 Grand Ave, Pawtucket	RI
Sightmaster Corp., 1-2	50 Aleppo St, Providence	RI
Sylvania Photolamp & Special Products, 2	60 Boston St, Salem	Mass
Telegraph Condenser Co., Ltd., 1-2	Wales Farm Rd, Acton London W. 3	Eng
Thermocal, Div., Jamieson Labs., Inc., 1-2	7900 Haskell Ave, Van Nuys	Cal
Waltham Precision Instrument Co., 2	221 Crescent St, Waltham	Mass

FUSE WIRE See **WIRE** *–RESISTANCE*

GAGES *–BETA*

American Tradair Corp., Sub of Ekco Electronics, Ltd	34-01 30 St, Long Island City 6	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Industrial Nucleonics Corp	650 Ackerman Rd, Columbus 2	Ohio
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Radiation Counter Labs., Inc	5121 W. Grove St, Skokie	Ill
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Universal Transistor Products Corp.	36 Sylvester St, Westbury	NY
Western Radiation Lab.	1107 W. 24 St, Los Angeles 7	Cal

GAGES *–COATING THICKNESS*

American Tradair Corp., Sub of Ekco Electronics, Ltd	34-01 30 St, Long Island City 6	NY
Automation Instruments, Inc	401 E. Green St, Pasadena 1	Cal
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Electric Eye Equipment Co.	1938 E. Fairchild St, Danville	Ill
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fleetwood Laboratories, Inc	300 Victory Blvd, New Rochelle	NY
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Industrial Nucleonics Corp	650 Ackerman Rd, Columbus 2	Ohio
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Research Industrial Labs of Electronics	Roslyn	Pa
Thomas Electronics, Inc	118 Ninth St, Passaic	NJ
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

GAGES *–DIMENSION*

1. COMPARATOR-TYPE 2. DISPLACEMENT-MEASURING 3. PHOTOELECTRIC

Ardwin Microlab Inc., 3	21 Spencer St, Stoneham 80	Mass
Arnoux Corp., 2	11924 W. Washington Blvd, L.A. 66	Cal
Automatic Timing & Controls, Inc., 2	King of Prussia	Pa
Automation Instruments, Inc., 1-2	401 E. Green St, Pasadena 1	Cal
Barnes Engineering Co., 3	30 Commerce Rd, Stamford	Conn
Cleveland Instrument Co., 1	6220 E. Schaaf Rd, Cleveland 31	Ohio
Computing Devices of Canada, Ltd., 1	P.O. Box 508, Ottawa, Ontario, Canada	
CRESCENT ENGINEERING & RESEARCH CO., 2, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Cutler-Hammer, Inc., 3	411 N. 12 St, Milwaukee 1	Wisc
Daytronic Corp., 1-2	223-227 S. Jefferson St, Dayton	Ohio
Decker Corp., 1-2	43 Monument Rd, Bala Cynwyd	Pa
Delsen Corp., 1	719 W. Broadway, Glendale 4	Cal
Dice Co., J.W., 1-2	Englewood	NJ
Digitool Corp., 3	P.O. Box 22242, Houston 27	Tex
Electric Eye Equipment Co., 3	1938 E. Fairchild St, Danville	Ill
ELECTRIC REGULATOR CORP., 1-2-3, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Products Labs, Inc., Transducer Div., 2	4501 N. Ravenswood, Chicago 40	Ill
Electronic Control Corp., 3	1573 E. Forest St, Detroit 7	Mich
Erdco Engineering Corp., 2	Addison	Ill
Gar Precision Parts, Inc., 1	190 Henry St, Stamford	Conn
General Kinetics, Inc., 2	2611 Shirlington Rd, Arlington 6	Va
General Measurements Co., Inc., 1	1108 Beacon St, Newton Highlands 61	Mass
Hamilton Watch Co., Industrial Div., 1	Lancaster	Pa
Instrol, Inc., 2	135 E. Dela Guerra, Santa Barbara	Cal
Jones & Lamson Machine Co., 1	539-D Clinton St, Springfield	Vt
Korfund Co., Inc., 2	1060 Washington Ave, New York 50	NY
Magnaflux Corp., Sub., General Mills, 1	7328 W. Lawrence Ave, Chicago 31	Ill
Metron Instrument Co., 1	432 Lincoln St, Denver 3	Colo
Minatron Corp., 2	14 Cliveden Pl, Belle Mead	NJ
Optical Gaging Products, Inc., 1	26 Forbes St, Rochester 11	NY
Optomechanisms, Inc., 1	216 E. Second St, Mineola	NY
Optron Corp., 2-3	335 S. Salmas St, Santa Barbara	Cal
Photobell Co., Inc., 2-3	43 Vesey St, New York 7	NY
Photocon Research Products, 2	421 N. Altadena Dr, Pasadena	Cal
Pratt & Whitney Co., Inc., 1	Charter Oak Blvd, West Hartford 1	Conn
Rockwell Engineering Co., 2	2125 E. 45th St, Indianapolis 5	Ind
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sheffield Corp., Sub., Bendix Avia. Corp., 1	P.O. Box 893, Dayton 1	Ohio
Southern Instruments, Ltd., 2	Frimley Rd, Camberley, Surrey, England	
Starrett Co., L. S., 1-2	165 Crescent St, Athol	Mass
STATHAM INSTRUMENTS, INC., 2, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stone Laboratories Inc., 1-2	1312 Tremont St, Boston 20	Mass
Sunshine Scientific Instrument, 1	1810 Grant Ave, Philadelphia 15	Pa
Van Keuren Co., 2	176 Waltham St, Watertown	Mass
Wayne Kerr Corp., 2	1633 Race St, Philadelphia 3	Pa
Wells Industries Corp., 2-3	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp., 2	2102 S. Sepulveda Blvd, Los Angeles	Cal

GAGES *–FUEL, ELECTRONIC*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
General Ultrasonics Co	67 Mulberry St, Hartford 3	Conn
Liquidometer Corp.	41-03 36th St, Long Island City 1	NY
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Missile Equipment Div	Queen & S. Bailey, Pottstown	Pa
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Southern Instruments, Ltd	Frimley Rd, Camberley, Surrey, England	

GAGES *–HUMIDITY* See **INDICATORS** *–HUMIDITY*

GAGES *–INSPECTION, ELECTRONIC (Incl. SPRING-CHECKING)*

Arch Gear Works, Inc	97 Holmes St, North Quincy 71	Mass
Automation Instruments, Inc	401 E. Green St, Pasadena 1	Cal
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Cleveland Instrument Co	6220 E. Schaaf Rd, Cleveland 31	Ohio
Daytronic Corp.	223-227 S. Jefferson St, Dayton	Ohio
Dice Co., J.W.	Englewood	NJ
Electric Eye Equipment Co.	1938 E. Fairchild St, Danville	Ill
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
IMTRA CORP., Adv Pg 310	**11 University Rd, Cambridge 38**	**Mass**
Jones & Lamson Machine Co.	539-D Clinton St, Springfield	Vt
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Neuses, Inc., P.K.	511 N. Dwyer St, Arlington Heights	Ill
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio
Starrett Co., L. S.	165 Crescent St, Athol	Mass
Stone Laboratories Inc	1312 Tremont St, Boston 20	Mass
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

Van Keuren Co.	176 Waltham St, Watertown	Mass

GAGES —*ION* See GAGES —*VACUUM*
GAGES —*IONIZATION* See CHAMBERS —*IONIZATION*
GAGES —*LIQUID & MATERIAL LEVEL* See INDICATORS —*LEVEL*
GAGES —*PAINT DEPTH* See GAGES —*COATING THICKNESS*
GAGES —*PIRANI* See GAGES —*VACUUM*
GAGES —*PRESSURE* See INDICATORS —*PRESSURE*: TRANSDUCERS —*PRESSURE*

GAGES —*STRAIN (GAGE ONLY)* See *Also* INDICATORS —*STRAIN*

ALLEGANY INSTRUMENT CO., INC., Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Budd Co	2450 Hunting Park Ave, Philadelphia 22	Pa
Bytrex Corp	50 Hunt St, Newton	Mass
Century Electronics & Instruments	1333 N. Utica, Tulsa 10	Okla
CLARK ELECTRONIC LABS., Adv Pg 542	**P.O. Box 165, Palm Springs**	**Cal**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
OWEN LABORATORIES, INC., Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
Rahm Instruments Div., American Machine & Metals, Inc	65 Rushmore St, Westbury	NY
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Trans-Sonics, Inc	Dept 5, Burlington	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

GAGES —*STYLUS PRESSURE*

AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
General Controls Co	801 Allen Ave, Glendale 1	Cal
Rahm Instruments Div., American Machine & Metals, Inc	65 Rushmore St, Westbury	NY
Robins Industries Corp	36-27 Prince St, Flushing 54	NY

GAGES —*THICKNESS* See INDICATORS —*THICKNESS*

GAGES —*VACUUM (GAGES ONLY, INCLUDING PIRANI)* See *Also* INDICATORS —*VACUUM*

Automation Instruments, Inc	401 E. Green St, Pasadena 1	Cal
Burton Instruments, Div Burton Mfg	2520 Colorado Ave, Santa Monica	Cal
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
Central Scientific Co	1700 Irving Park Rd, Chicago 13	Ill
CLARK ELECTRONIC LABS., Adv Pg 542	**P.O. Box 165, Palm Springs**	**Cal**
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Cutler-Hammer, Inc	411 N. 12 St, Milwaukee 1	Wisc
Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
Electronic Research Labs	85 Surry St, Brighton 35	Mass
Ellison Draft Gage Co., Inc	546 W. Monroe St, Chicago	Ill
Gardner Laboratories	5521 Landy Ln, Bethesda	Md
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc	2 Churchill Rd, Hingham 1	Mass
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Hull Corp	Davisville Rd, Hatboro	Pa
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
Kinney Vacuum Div., New York Air Brake Co	3529 Washington St, Boston	Mass
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
PEK Labs., Inc	4024 Transport St, Palo Alto	Cal
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Rahm Instruments Div., American Machine & Metals, Inc	65 Rushmore St, Westbury	NY
Research Industrial Labs of Electronics	Roslyn	Pa
Resitron Laboratories, Inc	2908 Nebraska Ave, Santa Monica	Cal
Smith Co., Arthur F.	311 Alexander St, Rochester	NY
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
U.S. Gauge Div., Amer-Mach & Metals, Inc	Sellersville	Pa
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
Vacuum Equip Div., New York Air Brake Co	1325 Admiral Wilson Blvd, Camden	NJ
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

GAIN CONTROLS See ATTENUATORS: POTENTIOMETERS

GALLIUM

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Aceto Chemical Co., Inc	40-40 Lawrence St, Flushing 54	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY

GALVANOMETERS

B & H Instrument Co	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Century Electronics & Instruments	1333 N. Utica, Tulsa 10	Okla
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Epic, Inc	150 Nassau St, New York 38	NY
G-M LABORATORIES, INC., Adv Pg 484	**4336 N. Knox Ave, Chicago 41**	**Ill**
General Measurements Co., Inc	1108 Beacon St, Newton Highlands 61	Mass
Hathaway Instruments, Inc	5800 E. Jewell Ave, Denver 22	Colo
HEILAND DIV., MINNEAPOLIS-HONEYWELL, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Howell Instrument Co	3101 Trinity St, Ft. Worth 7	Tex
Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
MASSA DIV., COHU ELECTRONICS, INC., Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Meters, Inc	5353 N. Keystone Ave, Indianapolis 20	Ind
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Rubicon Instruments	Ridge at 35 St, Philadelphia 32	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Photron Instrument Co	6516 Detroit Ave, Cleveland 2	Ohio
Pimex, Inc	18 E. 60th St, New York 22	NY
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
SHALLCROSS MFG. CO., Adv Pg 148	**Selma**	**NC**
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Southwestern Ind. Electronics Co	10201 Westheimer Rd, Houston 19	Tex
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Tinsley Instruments (Canada), Ltd	P.O. Box 99, Smiths Falls, Ontario, Canada	
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

GARAGE-DOOR CONTROLS See CONTROLS —*DOOR*
GARNET CRYSTALS See CRYSTALS —*GARNET*

GARNET —*POLYCRYSTALLINE*

MICROWAVE CHEMICAL LABORATORY, INC., Adv Pg 522	**282 7th Ave, New York 1**	**NY**
Trionics Corp	P. O. Box 548, Madison 1	Wisc

GAS ANALYZERS See ANALYZERS —*GAS*
GAS DETECTORS See DETECTORS —*GAS*

GASES

1. INERT 2. LIQUEFIED 3. NITROGEN 4. RARE

Aceto Chemical Co., Inc., 4	40-40 Lawrence St, Flushing 54	NY
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., 1, Adv Pg 57	**40 Rector St, New York**	**NY**
BLACKBURN, INC., P.W., 4, Adv Pg 550	**67 Main St, Dobbs Ferry**	**NY**
Engelhard Industries, Inc., 3	113 Astor St, Newark 2	NJ
Esso Standard, Div of Humble Oil & Refining Co., 2	15 W. 51 St, New York 19	NY
General Electric Co., Lamp Metals & Components Dept., 1-3-4	21800 Tungsten Rd, Cleveland 17	Ohio
Linde Co., Div., UCC, 1-2-3-4	270 Park Ave, New York 17	NY
A.D. Mackay, Inc., 1-4	198 Broadway, New York 38	NY
Matheson Co., Inc., 1-3-4	2909 Highland Ave, Norwood	Ohio

GAS-FIRED BURNERS See BURNERS
GAS-FIRED FURNACES See FURNACES —*GAS-FIRED*
GAS-FIRED OVENS See OVENS, DRYERS & DEHYDRATORS

GASKETS

1. NONMETALLIC 2. WIRE-MESH SHIELDING

Airtron, Div of Litton Industries, 1-2	200 E. Hanover Ave, Morris Plains	NJ
Allegheny Plastics, Inc., 1	Rt. 51, Thorn Run Rd, Coraopolis	Pa
Allied Engraving & Stamping Co	701 Seneca St, Buffalo 10	NY
American Felt Co., 1	10 Glenville Rd, Glenville	Conn
Amflex Products Dept., Amer Mach & Fdry. Co., 1	689 Hope St, Springdale	Conn
Armstrong Cork Co., 1	Lancaster	Pa
Auburn Mfg. Co., The, 1-2	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 1-2	22 Williams St, Everett 49	Mass
Bestcraft Products Co., Inc., 1	626 Broadway, New York	NY
Bonny Mfg. Corp., 1	146 Main St, Maynard	Mass
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
Chemo Products, Inc., 1	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 1	3 Central Ave, East Newark	NJ
Comco Plastics, Inc., 1	98-34 Jamaica Ave, Richmond Hill	NY
Connecticut Hard Rubber Co., 1-2	407 East St, New Haven 9	Conn
Cortland Industries, Inc., 1	4545 Cortland St, Chicago 39	Ill
COTTRELL PAPER CO., INC., 1, Adv Pg 524	**10 Purchase St, Fall River**	**Mass**
Crane Packing Co., 1	6402 Oakton St, Morton Grove	Ill
CUSTOM COMPONENTS, INC., Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
Darrill Products Corp., 1	107 Falmouth St, Attleboro	Mass
Eder Engineering Co., 1	1568 S. 1st St, Milwaukee 4	Wisc
Emerson Plastics Corp., 1	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 1	Fellowship Rd, Rt. 73, Maple Shade	NJ
Ethylene Corp., 1	245 Broad St, Summit	NJ
Fabra-Print, Inc., 1-2	801 S.E. 8th St, Minneapolis 14	Minn
Felt Products Mfg. Co., 1	7450 N. McCormick Blvd, Skokie	Ill
Franklin Fibre Lamitex Corp., 1	P.O. Box 1768, Wilmington	Del
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 1, Adv Pg 218	**Camden 1**	**NJ**
General Components Co., 1	225-229 E. 144th, New York 51	NY
General Gaskets, Inc., 1	Middletown	Conn
General Plastics Corp., 1	P.O. Box 1689, Paterson	NJ
General Tire & Rubber Co., 1	Akron	Ohio
Goodrich Industrial Products Co., B.F., 1	500 S. Main St, Akron 18	Ohio
Halogen Insulator & Seal Corp., 1	9960 Pacific Ave, Franklin Park	Ill
I.E. Manufacturing, 1	325 N. Hoyne Ave, Chicago 12	Ill
Insulation Manufacturers Corp., 1	565 W. Washington Blvd, Chicago 6	Ill
Joclin Mfg. Co., 1	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 1	36 Crescent St, Brooklyn 8	NY
Johns-Manville, 1	22 E. 40 St, New York 16	NY
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
Kressilk Products, Inc., 1	73 Murray St, New York 7	NY
Linear, Inc., 1	State Rd & Levick St, Philadelphia	Pa
Long, Inc., Thomas J., 1	215 Stonehinge Ln, Carle Place	NY
Mechanical Felt & Textiles Co., 1-2	50 W. 18 St, Weehawken	NJ
Metal Textile Corp., Div of General Cable Corp., 2	647 E. First Ave, Roselle	NJ
Mica Insulator, Div Minnesota Minning & Mfg. Co., 1	797 Broadway, Schenectady 1	NY
Minisink Rubber Co., Inc., 1	Orange County, Unionville	NY
Minnesota Rubber Co., 1	3630 Wooddale Ave, Minneapolis	Minn
Minor Rubber Co., Inc., 1	49 Ackerman St, Bloomfield	NJ
National Felt Co., 1	76 Summer St, Boston 10	Mass
National Gasket & Washer Co., 1	122 E. 25 St, New York	NY
Nelson Electric Mfg. Co., 1	P.O. Box 5385, Tulsa 16	Okla
Northern Plastics Corp., 1	Second & Market Sts, LaCrosse	Wisc
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Parker Seal Co., Div of Parker-Hannifin Corp., 1	10567 Jefferson Blvd, Culver City	Cal
Pelmor Laboratories, Inc., 1	401 Lafayette St, Newtown	Pa
Penn Fibre & Specialty Co., 1	2020 E. Westmoreland St, Philadelphia 34	Pa
Ray Proof Corp., 2	843 Canal St, Stamford	Conn
Roberts Toledo Rubber Co., 1	4141 Monroe St, Toledo	Ohio
Rubbercraft Corp of California, 1	1800 W. 220 St, Torrance	Cal
Russell Gasket Co., 1	7424 Bessemer Ave, Cleveland 27	Ohio
Schuyler Mfg. Corp., 2	84 Porete Ave, North Arlington	NJ
SHIELDING, INC., 2, Adv Pg 357	**P.O. Box 10, Riverton**	**NJ**
Sierra Electric Corp., 1	15100 S. Figueroa St, Gardena	Cal
Sillcocks-Miller Co., 1	Maplewood	NJ
Sparta Mfg. Co., 1	P.O. Box 107, Dover	Ohio

Spaulding Fibre Co., Inc., 1	310 Wheeler St, Tonawanda	NY
Stalwart Rubber Co., 1	160 Northfield Rd, Bedford	Ohio
Staver Co., Inc., 1-2	41 N. Saxon Ave, Bay Shore	NY
Swenson Co., Inc., V.H., 1	552 Elm St, Kearny	NJ
SYNTHANE CORP., 1, Adv Pg 35	**Oaks**	**Pa**
Technical Wire Products, Inc., 2	48 Brown Ave, Springfield	NJ
Tyler Co., W.S., 2	3620 Superior Ave, Cleveland 14	Ohio
Unique Wire Weaving Co., Inc., 2	759 Ramsey Ave, Hillside	NJ
U.S. Rubber Co., 1	1230 Ave of the Americas, New York 20	NY
Vellumoid Co., Sub., W.R. Grace & Co., 1	Worcester 6	Mass
Western Felt Works, 1	4029 Ogden Ave, Chicago	Ill
Wilmington Fibre Specialty Co., 1	New Castle 6	Del
Wrought Washer Mfg. Co., 1	2264 S. Bay St, Milwaukee 7	Wisc
ZIPPERTUBING CO., 2, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

GAUSSMETERS —*ROTATING-COIL* See **FLUXMETERS**
GEAR-MOTORS See **MOTORS**

GEARS & GEAR TRAINS —*PRECISION*

ACTON LABS, INC., Adv Pg 222	**533 Main St, Acton**	**Mass**
Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Arch Gear Works, Inc	97 Holmes St, North Quincy 71	Mass
Asquith Co., S.A.	427 W. Chevy Chase Dr, Glendale	Cal
Atlas Precision Products Co	3801 Castor Ave, Philadelphia 24	Pa
Avon Gear & Engineering Co	2011 Rice St, Melrose Park	Ill
Beaver Gear Works, Inc	1034 Parmele St, Rockford	Ill
Boehme, Inc., H.O.	915 Broadway, New York 10	NY
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Daco Instrument Co	Tillary & Prince, Brooklyn 1	NY
DeLandri Prec. Elements Co., Inc	39 School St, Yonkers	NY
Dynamic Gear Co., Inc	Dixon Ave, Amityville	NY
Dynex, Inc	123 Eileen Way, Syosset	NY
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
Franke Gear Works, Inc	4401 Ravenswood Ave, Chicago 40	Ill
Gear Specialties, Inc	2635 W. Medill Ave, Chicago 47	Ill
General Mills, Inc., Mech Div	1620 Central Ave N.E., Minneapolis 13	Minn
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Grant Gear Works, Inc	154 W. 2nd St, South Boston	Mass
Hoffman Electronics Corp., Military Prods Div	3740 S. Grand Ave, Los Angeles 7	Cal
Instru-Lec Corp	520 Homestead Ave, Mt.Vernon	NY
Instrument Gear Works, Inc	4624 N. Oketo, Chicago 31	Ill
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Juall Gear Co., Inc	1108 Goffle Rd, Hawthorne	NJ
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
LaVezzi Machine Works	4635 W. Lake St, Chicago 44	Ill
Link Div., Gen. Precision, Inc.	Nowlan Rd, Hillcrest, Binghamton	NY
Marsland Engineering, Ltd.	154 Victoria St S., Kitchener, Ontario, Canada	
Massachusetts Gear Div., Geartronics Corp	922 Main St, West Concord	Mass
Mechatrol Div., Servomechanisms, Inc.	1200 Prospect Ave, Westbury	NY
Merkle-Korff Gear Co	213 N. Morgan St, Chicago 7	Ill
Metron Instrument Co	432 Lincoln St, Denver 3	Colo
Micron Gear Co., Inc	73 Rushmore St, Westbury	NY
Miniature Transmissions Co	648 College St, South Bend	Ind
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Orbit Instrument Corp	131 Eileen Way, Syosset	NY
Perkins Machine & Gear Co.	West Springfield	Mass
Planet Instrument, Inc	**616 S. Lafayette St, Fort Wayne**	**Ind**
Precision Mechanisms Corp.	577 Newbridge Ave, East Meadow	NY
Quaker City Gear Works	Red Lion & Philmont Rds. Bethayres	Pa
Rampe Mfg. Co	14915 Woodworth Ave, Cleveland 10	Ohio
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Research Development Manufacture Inc	429 E. Collom St, Philadelphia 44	Pa
Servo Development Corp	567 Main St, Westbury	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Steel Co., Herman D	Lafayette Bldg, Philadelphia 6	Pa
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
U.S. Gear Corp.	81 Bay State Rd, Wakefield	Mass
Waltham Precision Instrument Co	221 Crescent St, Waltham	Mass
Washington Machine & Tool Works, Inc	13111 Wayzata Blvd, Minneapolis	Minn
Western Gear Corp., Electro Prods. Div	132 W. Colorado, Pasadena 1	Cal
Zagora Gears, Inc	1327 S. Mint St, Charlotte 3	NC

GEARS —*COMPUTER* See **CAMS & GEARS**
GEARS —*NONCIRCULAR* See **CAMS & GEARS**
GEIGER COUNTERS See **COUNTERS** —*NUCLEAR PARTICLE*
GEIGER-MULLER TUBES See **TUBES** —*GEIGER-MULLER*
GENERATOR FIELD COILS See **COILS**
GENERATORS —*COLOR TV* See **GENERATORS** —*SIGNAL*

GENERATORS —*ELECTROSTATIC*

Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
SORENSEN & CO., INC., Adv Pg 70	**Richards Ave, Norwalk**	**Conn**

GENERATORS —*FUNCTION*
1. BIASED DIODE 2. UNBIASED DIODE 3. ELECTRONIC 4. FIXED 5. VARIABLE-BASE

Applied Dynamics, Inc., 1-2-3-4-5	P.O. Box 2068, Ann Arbor	Mich
APPLIED ELECTRONICS CORP OF N.J., 1-2-3, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
BECKMAN/BERKELEY DIV., 1-3-4-5, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell & Gossett Co., 3	8202 N. Austin Ave, Morton Grove	Ill
CompuDyne Corp., 5	400 S. Warminster Rd, Hatboro	Pa
COMPUTER INSTRUMENTS CORP., 4, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Computer Systems, Inc., 1-2-3-4-5	611 Broadway, New York 12	NY
Consolidated Avionics Corp., 3	800 Shames Dr, Westbury	NY
Decade Instrument Co., 2	P.O. Box 153, Caldwell	NJ
Donner Scientific Co., 1-2-3-4-5	888 Galindo St, Concord	Cal
E-H RESEARCH LABORATORIES, INC., 3-4-5, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Electronic Associates, Inc., 3-4	Long Branch	NJ
Electronic Counters, Inc., 5	155 Eileen Way, Syosset	NY
Ensco, Inc., 1	3100 Eldredge St, Salt Lake City	Utah
Exact Electronics, Inc., Marketing Div., 5	P.O. Box 552, Portland 7	Ore
Foto-Video Electronics, Inc., 3	36 Commerce Rd, Cedar Grove	NJ
GPS Instrument Co., Inc., 1	180 Needham St, Newton 64	Mass
General Computers, Inc., 1-2-3-4-5	9000 W. Pico Blvd, Los Angeles 35	Cal
Geotechnical Corp., 3-5	3401 Shiloh Rd, Garland	Tex
Girdler Process Equip. Div., Chemetron Corp., 3	334 E. Broadway, Louisville 1	Ky
HALLICRAFTERS CO., 3-4-5, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 3	Benton Harbor	Mich
HEWLETT-PACKARD CO., 3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
KAY ELECTRIC CO., 3, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KROHN-HITE CORP., 3, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Lindberg Engineering Co., 3	2450 W. Hubbard St, Chicago	Ill
Link Div., Gen. Precision, Inc., 3-4	Nowlan Rd, Hillcrest, Binghamton	NY
Marquardt Corp., Pomona Div., 3	2709 N. Garey Ave, Pomona	Cal
Merit Short Wave Diathermy Co., 3	2758 Whittier Blvd, Los Angeles 23	Cal
Micro Gee Products, Inc., 3	6319 W. Slauson, Box 1005, Culver City	Cal
MOSELEY CO., F.L., 3, Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
NAVIGATION COMPUTER CORP., 3, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Otis Elevator Co., 3-4-5	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 3-5	1905 Armacost Ave, Los Angeles 25	Cal
Peeco Corp., 3	2760 Whittier Blvd, Los Angeles 23	Cal
Penn Keystone Corp., 3	P.O. Box 350, Hawkins St, Derby	Conn
PHILBRICK RESEARCHES, INC., GEORGE A., 1-2-3-4-5, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
POLARAD ELECTRONICS CORP., 3, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Radio City Products Co., Inc., 3	Centre & Glendale Sts, Easton	Pa
Reeves Instrument Corp., 1-3	Roosevelt Field, Garden City	NY
Research, Inc., 3-4-5	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Servomex Controls Ltd., 3	Crowborough, Sussex, England	
Solartron, Inc., 1-2-3-4-5	1742 S. Zeyn St, Anaheim	Cal
TELECTRO INDUSTRIES CORP., 3, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Tel-Instrument Electronics Corp., 3	728 Garden St, Carlstadt	NJ
Topp Industries, Inc., 3-4	5221 W. 102 St, Los Angeles 45	Cal
Vernistat Div., Perkin-Elmer Corp	769 Main Ave, Norwalk	Conn
Walkirt Co., 3	141 W. Hazel St, Inglewood 3	Cal

GENERATORS —*IMPULSE* See **GENERATORS** —*SIGNAL, PULSE*

GENERATORS —*NOISE*
1. ACOUSTIC 2. MICROWAVE 3. R-F

AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 2-3, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 2	48 Cummington St, Boston	Mass
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2	**200 E. Hanover Ave, Morris Plains**	**NJ**
Allison Laboratories, Inc., 1	11301 E. Ocean Ave, La Habra	Cal
AMERAC, INC., 2-3, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Applied Technology, Inc., 2-3	930 Industrial Ave, Palo Alto	Cal
Avco, Research & Advanced Development Div., 1	201 Lowell St, Wilmington	Mass
BOMAC LABORATORIES, INC., 2, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Central Electronic Mfrs., Div of Nuclear Corp of America, 2	2 Richwood Pl, Denville	NJ
CHESAPEAKE INSTRUMENT CORP., 1, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Decade Instrument Co., 3	P.O. Box 153, Caldwell	NJ
DEMORNAY-BONARDI, 2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Dyna-Empire, Inc., 1	1075 Stewart Ave, Garden City	NY
Electronic Applications, Inc., 2-3	194 Richmond Hill Ave, Stamford	Conn
Elgenco, Inc., 1	1555 14th St, Santa Monica	Cal
EMPIRE DEVICES PRODUCTS CORP., 2-3, Adv Pg 454	**Amsterdam**	**NY**
Ferrotran Electronic Co., Inc., 3	693 Broadway, New York 12	NY
Flow Corp., 1	85 Mystic St, Arlington	Mass
GENERAL COMMUNICATION CO., 2, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL RADIO CO., 1-3, Adv Pg 285	**West Concord**	**Mass**
Grason-Stadler Corp., 1	Electronics Park, West Concord	Mass
HALLICRAFTERS CO., 2-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 2-3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 2	35 Old County Rd, Westbury	NY
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
KAY ELECTRIC CO., 2-3, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Ling Electronics Div., Ling Altec Electronics, 1	1515 Manchester, Anaheim	Cal
Litton Industries, Electron Tube Div., 2	960 Industrial Rd, San Carlos	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 1, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
MARCONI INSTRUMENTS, 3, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Microwave Corp. of America, 2-3	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 2	92 Broad St, Babson Park 57	Mass
N.R.K. Mfg. & Engineering Co., 2	4601 W. Addison St, Chicago 41	Ill
Omega Laboratories, Inc., 2	P.O. Box 308, Rowley	Mass
Philco Corp., Gov't & Ind'l Div., 2-3	4700 Wissahickon Ave, Philadelphia 44	Pa
POLARAD ELECTRONICS CORP., 2, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PREMIER INSTRUMENT CORP., 2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
RS ELECTRONICS CORP., 3, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Raytheon Co. Commercial Appar. & Systems Div., 3	100 River St, Waltham	Mass
Reeves Instrument Corp., 1	Roosevelt Field, Garden City	NY
Remanco, Inc., 3	1805 Colorado, Santa Monica	Cal
Research, Inc., 3	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Rohde & Schwarz, USA, Inc., 2-3	P.O. Box 275, Passaic	NJ
Scott, Inc., H.H., 1-3	111 Powder Mill Rd, Maynard	Mass
SPERRY MICROWAVE ELECTRONICS CO., 2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Transducers, Inc., 1	2959 Honolulu Ave, La Crescenta	Cal
Triplett Elec Instrument Co., 3	Harmon Rd, Bluffton	Ohio
United Shoe Machinery Corp., Antenna & Microwave Sec., 2	Balch St, Beverly	Mass
VARIAN ASSOCIATES, 2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Watkins-Johnson Co., 2	3333 Hillview Ave, Palo Alto	Cal
Waveline, Inc., 2	P.O. Box 718, Caldwell	NJ
Wayne Kerr Corp., 3	1633 Race St, Philadelphia 3	Pa
West Coast Research Corp., 1	2102 S. Sepulveda Blvd, Los Angeles	Cal

Western Electro-Acoustic Lab., 1	11787 San Vicente Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

GENERATORS —*POWER*

1. A-C ROTATING. 60-CPS 2. A-C ROTATING. 400-CPS 3. A-C ROTATING. HIGHER-FREQUENCY 4. D-C ROTATING 5. D-C ROTATING. HAND-CRANKED 6. D-C ROTATING. WIND-DRIVEN 7. VARIABLE-FREQUENCY ELECTRONIC. SINGLE PHASE 8. VARIABLE FREQUENCY. ELECTRONIC. THREE-PHASE

AEG, 1-3-4	Hochhaus Sued, Frankfurt/Main, Germany	
Airmec Ltd., 7	High Wycombe, Buckinghamshire, England	
Allis-Chalmers Mfg. Co., 1-4	935 S. 70th St, Milwaukee 14	Wisc
American Electronics, Inc., Precision Power Div., 2-3-7-8	9705 Klingerman St, El Monte	Cal
Avtron Mfg. Inc., 7-8	10409 Meech St, Cleveland	Ohio
Bekey Electric Div., Genisco, Inc., 2-3-4	2245 Federal Ave, Los Angeles 64	Cal
Branson Ultrasonic Corp., 7	1 Brown House Rd, Stamford	Conn
Carol Electronics Corp., 7-8	315 W. Stephen St, Martinsburg	W. Va
Cavitron Electron Oscillator Div., Short Wave Plas. Form. Co., 7-8	355 N. Newport Blvd, Newport Beach	Cal
Century Electric Co., 1-2-4	1806 Pine St, St. Louis 3	Mo
CLIFTON PRECISION PRODUCTS CO., INC., 2, Adv. Pgs. 126, 127	**Marple at Bwy, Clifton Hghts**	**Pa**
Columbia Electric Mfg. Co., 1-4	4519 Hamilton Ave N.E., Cleveland 14	Ohio
COMMUNICATION MEASUREMENTS LAB., INC., 7-8, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Comptron Corp., 7-8	778 Pleasant St, Belmont 79	Mass
Consolidated Avionics Corp., 7-8	800 Shames Dr, Westbury	NY
Consolidated Diesel Electric Corp., 1-2-3-4	880 Canal St, Stamford	Conn
Continental Electric Co., Inc., 1-2-3-4	334 Ferry St, Newark 5	NJ
D & R Ltd., 2-3	402 E. Gutierrez, Santa Barbara	Cal
DeHavilland Aircraft/Spec. Prods. Div., 2-3	Downsview, Ontario, Canada	
Ecco High Frequency Corp., 3-7-8	7020 Hudson Blvd, North Bergen	NJ
Eicor Div of The Scranton Corp., 1-2-4-5	4059 W. North Ave, Chicago 39	Ill
The Electric Autolite Co., 4	Champlain St, Toledo 1	Ohio
Electric Indicator Co., Inc., 1-2-4	Camp Ave, Springdale	Conn
Electric Machinery Mfg. Co., 1-2	800 Central Ave, Minneapolis 13	Minn
Electric Motors & Specialties, Inc., 1-2-3	King & Hamsher Sts, Garrett	Ind
Electric Specialty Co., 1-2-3-4	207 South St, Stamford	Conn
ELECTRO-PULSE, INC., 7, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
Elin Div., IERC, 7-8	135 W. Magnolia Blvd, Burbank	Cal
EMPIRE DEVICES PRODUCTS CORP., 7, Adv Pg 454	**Amsterdam**	**NY**
Fairfield Engineering Corp., 7-8	114 Manhattan St, Stamford	Conn
GM Diesel General Motors Corp., 1-4	13400 W. Outer Dr, Detroit 28	Mich
Garrett Corp., The, 1-2-3-4-6-7-8	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-4, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Ultrasonics Co., 7	67 Mulberry St, Hartford 3	Conn
Genisco, Inc., 1-2-3-4-7-8	2233 Federal Ave, Los Angeles 64	Cal
Georator Corp., 1-2-3-4	315 Tuder Ln, Manassas	Va
Gerst & Co., Paul E., 2-3-4	4868 N. Clark, Chicago 40	Ill
Globe Industries, Inc., 1-2-4-5-6-7-8	1784 Stanley Ave, Dayton 4	Ohio
Gordon Enterprises, 1-2-5	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Great Lakes Electric Mfg. Co., 1-2-4	17 S. Desplaines St, Chicago 6	Ill
Hallamore Electronics Co., 1-2-3-4-7-8	714 N. Brookhurst Ave, Anaheim	Cal
Heinz-Mueller Engineering Co., Inc., 1-2-4-5-6	4725 Iowa St, Chicago 51	Ill
Holtzer-Cabot Div. Natl. Pneumatic Co., Inc., 1-5	125 Amory St, Boston 19	Mass
Homelite Div., Textron, Inc., 1-2-4	Port Chester	NY
Horlick Co., Inc., William I., 1-2-3-4-7-8	266 Summer St, Boston 10	Mass
HYDRO AIRE CO., 7-8, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
INDUSTRIAL TEST EQUIPMENT CO., 7-8, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Systems Corp., 7-8	129-07 18th Ave, College Point 56	NY
INTERELECTRONICS CORP., 7-8, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 7-8	2221 Warwick Ave, Santa Monica	Cal
Kato Engineering Co., 1-2-3-4-7-8	1415 First Ave, Mankato	Minn
Katolight Corp., 7-8	First Ave & Chestnut St, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4-5-7-8, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KROHN-HITE CORP., 7, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Kroker Engineering & Development Co., 4	9947 Franklin Ave, Franklin Park	Ill
Kurz & Root Co., 1-2-3-4-5-7-8	Appleton	Wisc
Lawn Electronics Corp., 7-8	Woodward Rd, Englishtown	NJ
Leach Corp., 1-2-3	18435 Susana Rd, Compton	Cal
Leland Airborne Products, Div., AMF, 2-3-4	P.O. Box 128, Vandalia	Ohio
Lindberg Engineering Co., 7-8	2450 W. Hubbard St, Chicago	Ill
Lucas-Rotax, Ltd., 1-2-3-4-5-6	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Marathon Electric Mfg. Corp., 1-2-3-4	Randolph & Cherry Sts, Wausau	Wisc
Meredith & Co., Ltd., C.C., 2	80 Thomas St, Streetsville, Ontario, Canada	
Merit Short Wave Diathermy Co., 7	2758 Whittier Blvd, Los Angeles 23	Cal
Meterlog Corp., 7-8	169 N. Halstead St, Pasadena	Cal
Motoresearch Co., 2-3-4	1405 16th St, Racine	Wisc
Motor Generator, Aff, Hobart Bros Co., 1-2-4-7-8	W. Water St, P.O. Box EBG, Troy	NY
Newport Scientific Co., 7-8	638 W. 17th St, Costa Mesa	Cal
Ohio Crankshaft Co., Tocco Div., 3-7	3800 Harvard Ave, Cleveland 5	Ohio
Onan & Sons, Inc., D.W., 1-4	University Ave at 25 S.E., Minnpls 14	Minn
OPAD ELECTRIC CO., 7, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Oster Mfg. Co., John, Avionics Div., 2	1 N. Main St, Racine	Wisc
Peeco Corp., 7-8	2760 Whittier Blvd, Los Angeles 23	Cal
Perkin Engineering Corp., 8	345 Kansas St, El Segundo	Cal
Pesco Products Div., Borg-Warner Corp., 1-2	24700 N. Miles Rd, Bedford	Ohio
Philips' Gloeilampenfabrieken, N.V., 7	Eindhoven, Netherlands	
Pintsch Bamag AG, 1-4	Postfach 11, Butzbach, Germany	
Pioneer Gen-E-Motor Co., 1-4	5841 W. Dickens, Chicago 39	Ill
RADIO FREQUENCY LABS., INC., 7, Adv Pg 116	**Boonton 2**	**NJ**
Ready-Power Co., 1-2-4	11231 Freud Ave, Detroit 14	Mich
RED BANK DIV., BENDIX AVIATION CORP., 2-3-4-6-7-8, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Sangamo Electric Co., 1-4-5	1201 N. 11 St, Springfield	Ill
Servo-Tek Products Co., Inc., 4	1086 Goffle Rd, Hawthorne	NJ
Siemon Mfg. Co., 1-2-3-4-5-6	P.O. Box 275, Wayne	Ill
Signal Equipment Co., Inc., 7-8	2706 3rd Ave, Seattle 1	Wash
Smith-Florence, Inc., 7	4228 23rd W., Seattle	Wash
SORENSEN & CO., INC., 7-8, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
SPELLMAN HIGH VOLTAGE CO., 3, Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**
Sprague Engineering Corp., 1-2-3-4-7-8	19300 S. Vermont Ave, Gardena	Cal
Syntorque, Inc., 1-2-3	P.O. Box 75A, Bearsville	NY
TKM Electric Corp., 2-3-4	820 Linden Ave, Rochester 10	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2-3	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL APPARATUS BUILDERS, 7-8, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TELECTRO INDUSTRIES CORP., 8, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Tel-Instrument Electronics Corp., 7-8	728 Garden St, Carlstadt	NJ
VARO MFG. CO., INC., 2-7-8, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Waltham Electronics Corp., 7	751 Main St, Waltham 54	Mass
Warren Mfg. Co., Inc., 7-8	Newton Rd, Littleton	Mass
Western Design Div., U.S. Industries, Inc., 2-3	Goleta	Cal
Western Gear Corp., Electro Prods. Div., 2-3-4	132 W. Colorado, Pasadena 1	Cal
WESTINGHOUSE ELECTRIC CORP., 7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wincharger Corp., 1-4	E. 7th & Division Sts, Sioux City	Iowa
Young Brothers Co., 7-8	1829 Columbus Rd, Cleveland	Ohio
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 2-3-4, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

GENERATORS —*RATE* See TACHOMETERS

GENERATORS —*REVERBERATION*

Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
Eicor Div of The Scranton Corp	4959 W. North Ave, Chicago 39	Ill
Electric Indicator Co., Inc.	Camp Ave, Springdale	Conn
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
Servomechanisms, Inc.	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc.	1086 Goffle Rd, Hawthorne	NJ
Siemon Mfg. Co	P.O. Box 275, Wayne	Ill
Small Motors, Inc	2076 Elston Ave, Chicago 14	Ill
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

GENERATORS —*SIGNAL*

1. A-F 2. A-F, PUSHBUTTON-CONTROLLED 3. COLOR TV. BAR 4. COLOR TV. DOT 5. F-M 6. F-M, A-M 7. HARMONIC. MAGNETIC AMPLIFIER 8. HARMONIC. MICROWAVE 9. HARMONIC. R-F 10. MARKER 11. MICROWAVE. SWEEP 13. PICTURE SIGNAL 14. PULSE (IMPULSE) 15. RADAR 16. R-F 17. R-F, PUSHBUTTON CONTROLLED 18. R-F, SWEEP 19. R-F, WOBBULATED 20. SINGLE-SIDEBAND 21. SQUARE WAVE 22. SWEEP CALIBRATOR 23. TELEMETERING 24. TV. PICTURE SIGNAL 25. TV. SYNCHRONIZING 26. TV. VERTICAL INTERVAL TEST 27. UHF & VHF 28. UHF GLIDE SLOPE 29. VHF LOCALIZER 30. VHF OMNI-RANGE 31. WAVEFORM

Aircom, Inc., 8-9-11	48 Cummington St, Boston	Mass
Aircraft Instruments Co., 14	King of Prussia Rd at Montgomery Ln, Radnor	Pa
Airmec Ltd., 1-16-27	High Wycombe, Buckinghamshire, England	
Airtec, Inc., 8-11-12-21	139 E. First Ave, Roselle	NJ
Alfred Electronics, 8-12	897 Commercial St, Palo Alto	Cal
Allied Radio Corp., 1-16-18	100 N. Western Ave, Chicago 80	Ill
Alto Scientific Co., Inc., 14-21	855 Commercial St, Palo Alto	Cal
AMERAC, INC., 11-14-15, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
AMERICAN ELECTRONIC LABS., INC., 8-14-21-31, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
AMERICAN TIME PRODUCTS, INC., 1, Adv Pg 284	**61-20 Woodside Ave, Woodside 77**	**NY**
APPLIED ELECTRONICS CORP OF N.J., 23, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardwin Microlab Inc., 14	21 Spencer St, Stoneham 80	Mass
ARENBERG ULTRASONIC LAB., INC., 16, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
Arkay Engineering, Inc., 1-10-14-21	1630 Euclid St, Santa Monica	Cal
Ascop Div., Electro-Mechanical Research, Inc., 23	P.O. Box 44, Princeton	NJ
Atronic Products, Inc., 18	1 Bala Ave, Bala-Cynwyd	Pa
Avionics Corp., 5-16	Maple Ave & Horsham Rd, Horsham	Pa
Avo Ltd., 5-6-16	80 Shore Rd, Port Washington	NY
BJ Electronics, Borg-Warner Corp., 16	3300 Newport Blvd, Santa Ana	Cal
B & K Instruments, Inc., 1	3018 W. 106th St, Cleveland 11	Ohio
Babcock Radio Engineering, Inc., 5-16	1640 Monrovia Ave, Costa Mesa	Cal
Barker & Williamson, 1	Canal & Beaver Sts, Bristol	Pa
Bearing Inspection, Inc., 20	3311 E. Gage Ave, Huntington Park	Cal
Bell Aircraft Corp., 11	P.O. Box 1, Buffalo 5	NY
Bendix-Pacific Div., Bendix Aviation, 23	11600 Sherman Way, North Hollywood	Cal
Berkshire Laboratories, 14	580 Bank Village, Greenville	NH
Bogue Electric Mfg. Co., 31	52 Iowa Ave, Paterson 3	NJ
BOONTON RADIO CORP., 5-6-16-18-23-27-28-29-30, Adv Pg 108	**50 Intervale Rd, Boonton**	**NJ**
Brocker Laboratories, 21	935 Commercial St, Palo Alto	Cal
Bruel & Kjaer, 1	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 16-27	460 W. 34 St, New York 1	NY
Burmac Electronics Co., Inc., 14-15-16	142 S. Long Beach, Rockville Center	NY
Burr-Brown Research Corp., 2-21	P.O. Box 6444, Tucson	Ariz
CBC ELECTRONICS CO., INC., 14, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C.G.S. Labs., Inc., 12-18	Rt 7, Wilton	Conn
Cadre Industries Corp., 1	P. O. Box 150, Endicott	NY
Canadian Research Institute, 1-16	46 St. George St, Toronto 5, Ontario, Canada	
Canoga Div., Underwood Corp., 19	15330 Oxnard St, Van Nuys	Cal
Carol Electronics Corp., 1	315 W. Stephen St, Martinsburg	W. Va
CLEGG LABS., DIV., CLEGG, INC., 14-20-24, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Clough Brengle Co., 1-16-18-27	6014 N. Broadway, Chicago	Ill
G. L. Collins Corp., 1	2820 E. Hullet St, Long Beach 5	Cal
Computing Devices of Canada, Ltd., 14	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 14-23	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 10-11-12-14-15-20, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CROSBY TELECTRONIC LAB., INC., 14-20, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Cubic Corp., 31	5575 Kearny Villa Rd, San Diego 11	Cal
Dage TV Div., Thompson-Ramo-Wooldridge, 13-24-25-26	W. Tenth St, Michigan City	Ind

Dare, Inc., 27	P.O. Box 312, Troy	Ohio
Data Products Co., Inc., 14	7320 Westmore Rd, Rockville	Md
DAVEN CO., 1-2-3-4-16-17-21-27 Adv. Pgs. 220,221	**Rt 10, Livingston**	**NJ**
Decade Instrument Co., 10-11-18-31	P.O. Box 153, Caldwell	NJ
DEMORNAY-BONARDI, 8, Adv. Pgs. 380,381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Djeco, Div., Djordjevic Engrg Co., 7-14-21	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1-21-31	888 Galindo St, Concord	Cal
Dukane Corp., 14	St. Charles	Ill
Du Mont Labs., Inc., Allen B., 14	750 Bloomfield Ave, Clifton	NJ
E-H RESEARCH LABORATORIES, INC., 14-21, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Electrical & Physical Instrument Corp., 14-21	42-19 27 St, L I City 1	NY
Electro-Mechanical Research, Inc., 23	P.O. Box 3041, Sarasota	Fla
ELECTRO-PULSE, INC., 14, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
Electronic Applications, Inc., 1-5-6-11-12-16-18-19-27	194 Richmond Hill Ave, Stamford	Conn
Electronic Counters, Inc., 14-21-31	155 Eileen Way, Syosset	NY
ELECTRONIC INSTRUMENT CO., INC., 1-5-16-21, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 1-16	625 Broadway, New York 12	NY
EMPIRE DEVICES PRODUCTS CORP., 11-14-16, Adv Pg 454	**Amsterdam**	**NY**
Engineered Electronics Co., 14	1441 E. Chestnut Ave, Santa Ana	Cal
Engineered Magnetics Div., Gulton, 21	13041 Cerise Ave, Hawthorne	Cal
Engineering Associates, 1-6-11-15-16-27	434 Patterson Rd, Dayton 19	Ohio
Ensco, Inc., 1-14-21-31	3100 Eldredge St, Salt Lake City	Utah
Entron, Inc., 16	4902 Lawrence St, Bladensburg	Md
Exact Electronics, Inc., Marketing Div., 14-21-23-31	P.O. Box 552, Portland 7	Ore
FXR, INC., 8-11-12, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Ferris Instrument Co., 5-6-16-20	110 Cornelia St, Boonton	NJ
Foto-Video Electronics, Inc., 3-4-24-25-26	36 Commerce Rd, Cedar Grove	NJ
Frequency Standards, Div., Harvard Industries, Inc., 11	P.O. Box 504, Asbury Park	NJ
GATES RADIO CO., 5-6, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Aniline & Film Corp., Ansco Div., 8	Vestal Pkwy E., Binghamton	NY
GENERAL COMMUNICATION CO., 16, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL RADIO CO., 1-2-6-9-14-16-18-21-22-27, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 23	3401 Shiloh Rd, Garland	Tex
Gertsch Products, Inc., 8-9	3211 S. La Cienega, Los Angeles 16	Cal
Gombos Co., Inc., John, 11	Webro Rd, Clifton	NJ
Gyra Electronics Corp., 14	P.O. Box 184, La Grange	Ill
Gytex Corp., 1	3003 Pennsylvania Ave, Santa Monica	Cal
HALLICRAFTERS CO., 8-9-11-14-18-19-20, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., Sub Daystrom, Inc., 1-3-4-5-16-18-21	Benton Harbor	Mich
HEWLETT-PACKARD CO., 1-5-6-8-11-12-14-16-21-27-28-31, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 3-4-6-10-13-14-18-19-21-22-24-25-31	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 11-27	35 Old County Rd, Westbury	NY
Houston Fearless Corp., 13	11801 W. Olympic Blvd, Los Angeles 64	Cal
Iconix, Inc., 14	945 Industrial, Palo Alto	Cal
INDUSTRIAL TEST EQUIPMENT CO., 2, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Laboratories, 1	315 W. Walton Pl, Chicago 10	Ill
Instrument Systems Corp., 11-15	129-07 18th Ave, College Point 56	NY
INTERELECTRONICS CORP., 1-7-21-31, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 1	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 24-25	15191 Bledsoe St, San Fernando	Cal
Invar Electronics Corp., 1-23	323 W. Washington, Pasadena	Cal
Jackson Electrical Instrument Co., 1-2-5-10-18-21	124 McDonough St, Dayton 2	Ohio
JERROLD ELECTRONICS CORP., 10-16-18-19-22, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
KAY ELECTRIC CO., 1-3-4-5-6-10-11-12-13-14-15-16-17-18-19-23-24-27, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., 10-11-12, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Electronics, 1-9-16-18	210 S. Des Plaines St, Chicago 6	Ill
Kollmorgen Optical Corp., 11	347 King St, Northampton	Mass
KROHN-HITE CORP., 1-2-21, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
LAMPKIN LABORATORIES, INC., 9-16-27, Adv Pg 566	**Bradenton 1**	**Fla**
Land-Air, Inc., 1-16-18-23-27-28	7444 W. Wilson Ave, Chicago 31	Ill
LAVOIE LABORATORIES, INC., 14, Adv Pg 262	**Morganville**	**NJ**
Levinthal Electronic Products, Inc., 11-14	3180 Hanover St, Palo Alto	Cal
LUMATRON ELECTRONICS, INC., 14-21, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
MANSON LABORATORIES, INC., 8-9-11-14-15-16-20, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
MARCONI INSTRUMENTS, 5-6-14-16-18-21-23-27, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marquardt Corp., Pomona Corp., 23	2709 N. Garey Ave, Pomona	Cal
MAXSON CORP., W.L. INSTRUMENTS DIV., 27, Adv Pg 508	**475 Tenth Ave, New York 18**	**NY**
MEASUREMENTS DIV., McGRAW-EDISON CO., 5-14-16-21-27, Adv Pg 546	**Boonton**	**NJ**
Mechanical Products Inc. Electronic Sys. Div., 11	1824 River St, Jackson	Mich
Melabs, 8-11-12	3300 Hillview Ave, Palo Alto	Cal
Micro-Now Instrument Co., 8-10	6340 N. Tripp Ave, Chicago 46	Ill
Microwave Development Labs. Inc., 11-12	92 Broad St, Babson Park 57	Mass
Mini-Rad, Inc., 1-10-14-15-16-21	7416-E Varna Ave, N. Hollywood	Cal
Miratel Inc., 24	1080 Dionne St, St. Paul	Minn
Model Engineering & Mfg., Inc., 11	Huntington	Ind
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB., 3-4, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
Morrow Radio Mfg. Co., 16	2794 Market St, Salem	Ore
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 5, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Muirhead & Co., Ltd., 1-21	Beckenham, Kent, England	
Mullard Equipment, Ltd., 14	Torrington Pl, London W.C. 1, England	
NAVIGATION COMPUTER CORP., 10-14, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
New London Instrument Co., 5-6-16-21-27	P.O. Box 189, New London	Conn
Northeast Scientific Corp., 11	30 Wetherbee St, Acton	Mass
NUCLEAR ELECTRONICS CORP., 1-16, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Orbitran Co., Inc., 10-14	11487 Woodside Ave, Lakeside	Cal
Osborne Electronic Sales Corp., 27	712 S.E. Hawthorne Blvd, Portland 14	Ore
PCA ELECTRONICS, INC., 14, Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Pacific Transducer Corp., 22	11836 W. Pico Blvd, Los Angeles 64	Cal
PANORAMIC RADIO PRODUCTS, INC., 10-18-19-22-23, Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Parabam, Inc., 21-31	13000 Yukon Ave, Hawthorne	Cal
PARAPLEGICS MFG. CO., INC., 1-11-16, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Peer, Incorporated, 16	2624 Shelby St, Dallas 19	Tex
Philamon Laboratories, Inc., 1	90 Hopper St, Westbury	NY
Philips' Gloeilampenfabrieken, N.V., 1-5-6-13-14-16-18-19-21-24-25-27	Eindhoven, Netherlands	
Pitometer Log Corp., 11-15	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., 11-12-14-15, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PRECISION APPARATUS CO., INC., 1-3-4-16-18-21, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Probescope Co., 18-31	8 Sagamore Hill Dr, Port Washington	NY
Production Research Corp., Sub of Radio Condenser Co., 11-12-23	Claremont Ave, Thornwood	NY
Racal Engineering, Ltd., 22	Western Rd, Bracknell, Berks, England	
Radar Engineers, 14	4719 Brooklyn Ave, Seattle 5	Wash
Radiation, Inc., 14-15-16	Melbourne	Fla
Radiation Instrument Development Labs., 14	5737 S. Halsted St, Chicago 36	Ill
Radio City Products Co., Inc., 11-16-27	Centre & Glendale Sts, Easton	Pa
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-3-4-5-10-16-18, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radio Corp of America Indl Electronics Prods, 6-9	Front & Cooper, Camden	NJ
Radiometer, 1-5-6-9-16-18-19-27	72 Emdrupvej, Copenhagen NV 1, Denmark	
Radionics, Inc., 10-16-31	76 Cambridge St, Burlington	Mass
Rank Cintel Ltd., 14-21-22	Worsley Bridge Rd, London S.E. 26, England	
Rantec Corp., 20	23999 Ventura Blvd, Calabasas	Cal
Rauland-Borg Corp., 1	3535 W. Addison St, Chicago 18	Ill
Remanco, 11-16	1630 Euclid St, Santa Monica	Cal
Resdel Engineering Corp., 11-15-27	330 S. Fair Oaks Ave, Pasadena	Cal
Rese Engineering Corp., 14	731 Arch St, Philadelphia 6	Pa
Research Industrial Labs of Electronics, 4	Roslyn	Pa
RIBET DESJARDINS, 5-14-21, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
Rodale Electronics, 10-11-14-15-16	562 Grand Blvd, Westbury	NY
Rohde & Schwarz, USA, Inc., 5-6-16-18-27	P.O. Box 275, Passaic	NJ
Rutherford Electronics Co., 14	8944 Lindblade St, Culver City	Cal
Ryan Electronics Div., Ryan Aeronautical Co., 11-15	5650 Kearny Mesa Rd, San Diego 12	Cal
Scientific-Atlanta, Inc., 1-11-12-16-21-27	2162 Piedmont Rd N.E., Atlanta 9	Ga
Scopes Co., Inc., 1-16	P.O. Box 56, Monsey	NY
Servomechanisms, Inc., 23	12500 Aviation Blvd, Hawthorne	Cal
Servomex Controls Ltd., 21-31	Crowborough, Sussex, England	
SIERRA ELECTRONIC CORP., 5-11-16-23-27, Adv. Pgs. 318,319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Simpson Electric Co., Div., American Gage & Machine Co., 6-14	5218 W. Kinzie St, Chicago 44	Ill
Solartron, Inc., 1-21-31	1742 S. Zeyn St, Anaheim	Cal
Solidyne, 14	7460 Girard Ave, La Jolla	Cal
Southwestern Ind. Electronics Co., 1	10201 Westheimer Rd, Houston 19	Tex
Specialty Electronics Devel Corp., 1-11-14-16	Eileen Way, Syosset	NY
SPENCER-KENNEDY LABS., INC., 14, Adv Pg 247	**1318 Soldiers Field Rd, Boston 35**	**Mass**
SPERRY MICROWAVE ELECTRONICS CO., 11-15, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
STAFFORD MFG. CO., INC., 10, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Standard Telephones & Cables, Ltd., 1-3-8-11-12-31	63 Aldwych, London W. C. 2	Eng
Stoddart Aircraft Radio Co., Inc., 14	6644 Santa Monica Blvd, Hollywood 38	Cal
Strand Laboratories, Inc., 11	294 Centre St, Newton 58	Mass
Summers & Mills, Inc., 14-21	911 W. Commerce, Dallas 8	Tex
Tamar Electronics, Inc., 30	2045 W. Rosecrans Ave, Gardena	Cal
Tarc Electronics, Inc., 3-4-25	48 Urban Ave, Westbury	NY
TECHNICAL MATERIEL CORP., 20, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Tektronix Inc., 10-14-21-31	P.O. Box 831, Portland 7	Ore
TELECHROME MFG. CORP., 11-13-23-24-25-26-27-31, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 14	915 N. Citrus Ave, Hollywood	Cal
TELECTRO INDUSTRIES CORP., 1-5-10-14-30, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telequip Radio Co., 13-24-25-26	2559 W. 21st St, Chicago 8	Ill
TELEVISION UTILITIES CORP., DIV OF NORD, 24-25, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Tel-Instrument Electronics Corp., 3-4-5-13-16-17-18-19-22-24-25-27	728 Garden St, Carlstadt	NJ
Telonic Engineering Corp., 8-9-10-12-16-18-19	733 Broadway, Laguna Beach	Cal
TELONIC INDUSTRIES, INC., 1-9-10-14-16-18-19-27, Adv. Pgs. 190, 191	**60 N. 1st Ave, Beech Grove**	**Ind**
Topp Industries, Inc., 9-16-20-27	5221 W. 102 St, Los Angeles 45	Cal
Trad Electronics Corp., 16	1001 First Ave, Asbury Park	NJ
Tresco, Inc.	3824 Terrace St, Philadelphia 28	Pa
Triplett Elec Instrument Co., 3-4-5-6-9-10-16-18-22-27	Harmon Rd, Bluffton	Ohio
Tullamore Electronics Corp., 15	6055 S. Ashland Ave, Chicago 36	Ill
21st Century Electronics, Inc., 14-15-16	P.O. Box 2326, Riverside	Cal
Valor Instruments, Inc., 14	13214 Crenshaw Blvd, Gardena	Cal
Van Norman Industries, Elect Div., 1-5-6-11-12-18-19-22-27	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 11-14, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1-21, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Walkirt Co., 14-21	141 W. Hazel St, Inglewood 3	Cal
Waltham Electronics Corp., 6-21-23-27	751 Main St, Waltham 54	Mass
Wang Laboratories, Inc., 10-14-21-23-31	12 Huron Dr, Natick	Mass
Warren Mfg. Co., Inc., 21-23	Newtown Rd, Littleton	Mass
Waveforms, Inc., 1-21	333 6th Ave, New York 14	NY
Wayne Kerr Corp., 1	1633 Race St, Philadelphia 3	Pa
WEINSCHEL ENGINEERING CO., INC., 11-16-21, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Wickes Engineering & Construction Co., 3-4-24	12th St & Ferry Ave, Camden 4	NJ
Winston Electronics Div., Jetronic Ind., Inc., 1-3-4-24-25-26	4000 N.W. 28th St, Miami 42	Fla

GENERATORS —*ULTRASONIC* See ULTRASONIC EQUIPMENT

GEOPHYSICAL APPARATUS

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
Geophysical Instrument Co	Fairview Rd, Manassas	Va
Geotechnical Corp	3401 Shiloh Rd, Garland	Tex
Geotronic Labs., Inc	1314 Cedar Hill Ave, Dallas 8	Tex
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla
Southwestern Ind. Electronics Co	10201 Westheimer Rd, Houston 19	Tex
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Summers & Mills, Inc	911 W. Commerce, Dallas 8	Tex

GERMANIUM

1. FINISHED PARTS (EXCEPT SEMICONDUCTOR DEVICES) 2. RAW MATERIAL (NOT CRYSTAL)

Aceto Chemical Co., Inc., 2	40-40 Lawrence St, Flushing 54	NY
ALLEGHENY ELECTRONIC CHEMICALS CO., 1, Adv Pg 483	**207 Hooker-Fulton Bldg, Bradford**	**Pa**
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN-CHEM DIV., 2, Adv Pg 57	**40 Rector St, New York**	**NY**
Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
AMERICAN METAL CLIMAX, INC., 2, Adv Pg 300	**1270 Ave of the Americas, New York**	**NY**
American Smelting & Refining Co., 2	120 Broadway, New York 5	NY
Barnes Engineering Co., 1	30 Commerce Rd, Stamford	Conn
Bausch & Lomb, 1	61461 Bausch St, Rochester 2	NY
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 2	820 65 Ave, Philadelphia 26	Pa
City Chemical Corp., 2	132 W. 22nd St, New York 11	NY
Connecticut Instrument Corp., 1	Route 7, Wilton	Conn
Delta Chemical Works, 2	21 W. 60th St, New York	NY
Eagle-Picher Co., 2	American Bldg, Cincinnati 1	Ohio
Fairmount Chemical Co., Inc., 2	136 Liberty St, New York 6	NY
Geoscience Instruments, Inc., 1	425 Park Ave, New York 22	NY
Harmon Lichtenstein & Co., 2	26 Broadway, New York 4	NY
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Penn Rare Metals, Inc., 2	P.O. Box 1A, Revere	Pa
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Semimetals, Inc., 1	133-22 91st Ave, Richmond Hill 18	NY
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 2	Towanda	Pa
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
VALPEY CRYSTAL CORP., 1, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Var-Lac-Oid Chemical Co., 2	116 Broad St, New York 4	NY

GERMANIUM CRYSTALS See CRYSTALS –*SEMICONDUCTOR*
GERMANIUM DIODES See DIODES
GERMANIUM RECTIFIERS See RECTIFIERS
GERMANIUM TRANSISTORS See TRANSISTORS
GETTERS See TUBE PARTS

GLASS

1. FILM 2. FINISHED PARTS 3. FINISHED PARTS, PRECISION 4. METALLIZED 5. RODS 6. SHEETS 7. SHEETS, LAMINATED 8. SOLDER GLASS-TUBING: See TUBING –*NONMETALLIC* See *Also* BEARINGS: FABRIC PARTS: FABRICS: FIBERS

Accurate Specialties Co., Inc., 3-4-8	37-11 57 St, Woodside 77	NY
Acme Wire Co., 1	New Haven 14	Conn
Alloys Unlimited, Inc., 8	21-03 43rd Ave, Long Island City 1	NY
Amflex Products Dept., Amer Mach & Fdry. Co., 1-6	689 Hope St, Springdale	Conn
Bache & Co., Semon, 2-3-5-6	636 Greenwich St, New York 14	NY
Bausch & Lomb, 2-3-4	61461 Bausch St, Rochester 2	NY
Bel Fuse, Inc., 4	198 Van Vorst St, Jersey City	NJ
Bomyte Co., The, 7	Green St, Silverdale	Pa
Braun-Knecht-Heimann Co. Glass Engrg. Div., 2	603 O'Neil Ave, Belmont	Cal
Catalyst Research Corp., 4	6101 Falls Rd, Baltimore 9	Md
Ceramco Inc., Chemists, 4	173 Ridge St, Newark 4	NJ
Chicago Dial Co., 2-3	1315 N. North Branch St, Chicago	Ill
Connecticut Instrument Corp., 2-3	Route 7, Wilton	Conn
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 1-2-3-4-5-6-8, Adv Pg 485	**550 High St, Bradford**	**Pa**
Croname, Inc., 2-3	6247 Howard St, Chicago 48	Ill
Culbertson Products, Inc., 4	25 Samson Ave, Madison	NJ
Dallons Semiconductors Div., 3	5066 Santa Monica, L A 29	Cal
Eastman Kodak Co., 3	343 State St, Rochester 4	NY
ELECTRO SEAL CORP., 4, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Mechanics, Inc., 5-6-7	101 Clifton Blvd, Clifton	NJ
Fecker, Inc., J.W., 3	6592 Hamilton Ave, Pittsburgh 6	Pa
Filmohm Corp., 4	48 W. 25 St, New York 10	NY
Gardner Laboratories, 3	5521 Landy Ln, Bethesda	Md
General Components Co., 2-3	225-229 E. 144th, New York 51	NY
General Plastics Corp., 1	P.O. Box 1689, Paterson	NJ
Gordon Enterprises, 2-3-4	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hartwood Glass & Metals, Co., 1	P. O. Box 865, Martinsburg	W. Va
Hausser & Son, C.A., 3-4-6-7	6040 Belfield Ave, Philadelphia 44	Pa
Hermetite Corp., 2-3	702 Beacon St, Boston 15	Mass
Infrared Industries, Inc., 2	Waltham 54	Mass
J.F.D. ELECTRONICS CORP., 4, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Kimble Glass, Sub Owens-Illinois, 2-3-4-5	P.O. Box 1035, Toledo 1	Ohio
Lancaster Glass Corp., 2	Lancaster 20	Ohio
Metaplast Co., Inc., 4	34-51 56th St, Woodside	NY
Metavac, Inc., 4	45-68 162 St, Flushing 58	NY
Mitronics, Inc., 4	1290 Central Ave, Hillside	NJ
NATVAR CORP., 7, Adv Pg 501	**Woodbridge**	**NJ**
Northern Plastics Corp., 7	Second & Market Sts, LaCrosse	Wisc
Optical Coating Laboratory, Inc., 4	2789 Giffen Ave, Santa Rosa	Cal
Owens-Illinois Glass Co., 2-3-4-5	P.O. Box 1035, Toledo 1	Ohio
PEK Labs., Inc., 2	4024 Transport St, Palo Alto	Cal
Pacific Universal Products Corp., 2-3-4-7	168 Vista Ave, Pasadena 8	Cal
Pittsburgh Plate Glass Co., 2-6-7	1 Gateway Center, Pittsburgh 22	Pa
Polan Industries, Inc., 2-3-4	P.O. Box 1720, Huntington 19	W. Va
Poly-Kote, Inc., 4	82 Chestnut St, North Attleboro	Mass
Republic Lens Co., Inc., 2-3-4-5	31 E. 169th St, New York 52	NY
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Seiscor Div., Seismograph Service Corp., 2-3-4	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Spaulding Fibre Co., Inc., 7	310 Wheeler St, Tonawanda	NY
Thomas Electronics, Inc., 2	118 Ninth St, Passaic	NJ
VALPEY CRYSTAL CORP., 2-3, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Wilmad Glass Co., Inc., 2-3-4-5	Landisville	NJ
Zenith Optical Laboratory, 3-4	1940 Great Neck Rd, Copiague	NY

GLASS ANNEALERS See OVENS
GLASS-BLOWING MACHINES See MACHINES –*GLASS-BLOWING*
GLASS-BONDED MICA See MICA
GLASS-INSULATED WIRE See WIRE –*HIGH-TEMPERATURE*
GLASS-METAL SEALS See SEALS –*METAL-TO-GLASS*
GLASS PARTS –*PRECISION* See GLASS
GLASS-REINFORCED LAMINATES See LAMINATES –*COPPER-CLAD*
GLASS-SEALING WIRE See WIRE –*BARE*
GLASS-WORKING MACHINES See MACHINES –*GLASS-WORKING*
GLOW LAMPS See LAMPS
GLOW TUBES See TUBES –*GLOW*

GOLD & GOLD ALLOYS –*SHEETS, BARS & RODS*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc	60D Water St, Jersey City	NJ
American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Attleboro Refining Co., Inc	152 Union St, Attleboro	Mass
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
COHN CORP., SIGMUND, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
CONSOLIDATED REACTIVE METALS, INC., Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Cooper & Sons, Inc., Joseph B	180 Varick St, New York 14	NY
Delta Chemical Works	21 W. 60th St, New York	NY
Eastern Smelting & Refining Corp	107-109 W. Brookline St, Boston 18	Mass
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Goldsmith Bros Div., National Lead Co	900 W. 18th St, Chicago 8	Ill
HANDY & HARMAN, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Horton-Angell Co	27 Bicknell St, Attleboro	Mass
Improved Seamless Wire Co	775 Eddy St, Providence 5	RI
Johnson Matthey & Mallory Ltd	110 Industry St, Toronto, Ontario, Canada	
LEACH & GARNER CO., INDUSTRIAL DIV., Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Metz Refining Co	368 Mulberry St, Newark 2	NJ
NEY CO., J.M., Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Standard Metals Corp	Broad & Whiting St, North Attleboro	Mass
Technic Inc	P.O. Box 965, Providence 1	RI
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co	525 Harbor Blvd, Belmont	Cal
Wildberg Bros Smelting & Refining Co	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY

GOLD-PLATING See PLATING –*PRECIOUS-METAL*
GOLD TUBING See TUBING –*METALLIC*
GOLD WIRE See WIRE –*BARE*
GOVERNORS –*MOTOR* See CONTROLS –*MOTOR SPEED*
GRAPHIC RECORDERS See RECORDERS –*GRAPHIC*

GRAPHITE –*COLLOIDAL*

Acheson Colloids Co	1950 Washington Ave, Port Huron	Mich
Grafo Colloids Corp	P.O. Box 195, Sharon	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY

GRAPHITE BRUSHES See BRUSHES

GRAPHITE PARTS –*HIGH-PURITY*

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Becker Brothers Carbon Co	3450 S. Laramie Ave, Cicero 50	Ill
Cooper Development Corp	2626 S. Peck Rd, Monrovia	Cal
Duramic Products, Inc	426 Commercial Ave, Palisades Park	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY
National Carbon Co., Div., UCC	270 Park Ave, New York 17	NY
Ohio Carbon Co	12508 Berea Rd, Cleveland 11	Ohio
Penn Rare Metals, Inc	P.O. Box 1A, Revere	Pa
UNITED CARBON PRODUCTS CO., Adv Pg 392	**1st & N. Madison Sts, Bay City**	**Mich**
U.S. Graphite Co., Div., The Wickes Corp	Saginaw 32	Mich

GREASES –*SILICONE* See SILICONES
GRID CLIPS See CLIPS –*GRID*
GRID-DIP METERS See METERS –*FREQUENCY*
GRIDS & GRID SUPPORTS See TUBE PARTS
GRID WIRE See WIRE –*BARE*
GRILLE CLOTH See FABRICS

GRILLES

1. METAL 2. MOLDED PLASTIC 3. SPEAKER

ABALON PRECISION MFG. CORP., 1-3, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Alpitec Inc., 1	49 Gleason Ave, Stamford	Conn
Belmar Wheel & Machine Co., 1-3	1707 F St, Belmar	NJ
Bestcraft Products Co., Inc., 3	626 Broadway, New York	NY
Bud Radio, Inc., 1-3	2118 E. 55th St, Cleveland 3	Ohio
Chicopee Mills Inc., Lumite Div., 3	47 Worth St, New York 13	NY
Croname, Inc., 1-3	6247 Howard St, Chicago 48	Ill
Crystal-X Corp., 2	403 Lenni Rd, Lenni Mills	Pa
Darrill Products Corp., 2	107 Falmouth St, Attleboro	Mass
Dukane Corp., 3	St. Charles	Ill
Electro-Chemical Engraving Co., 1	1100 Brook Ave, New York 56	NY
ELECTRO-PACK, INC., 1, Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Electro-Products, Inc., 3	15050 Schaefer Hwy, Detroit 27	Mich
Electronic Research & Dev. Co., Ltd., 1-3	210 9th Ave, S.E., Calgary, Alberta, Canada	
Emeloid Co., Inc., 2	1239 Central Ave, Hillside 5	NJ
ERIE RESISTOR CORP., 2, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Ferguson Perforating & Wire Co., 1	132 Ernest St, Providence	RI
Flock Process Co., Inc., 1-3	373 Main Ave, Norwalk	Conn
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Jayell Mfg. Co	1360 Garrison Ave, New York 59	NY
Kling Metal Spinning Co., 1	247 Centre St, New York	NY
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
Lancaster Glass Corp., 2	Lancaster 20	Ohio
Ludlow-Saylor Wire Cloth Co., 1	640 S. Newstead Ave, St. Louis	Mo
Metalphoto of Cincinnati, 1	7 E. 75 St, Cincinnati	Ohio

Metalworks Inc., 1	9th & Jefferson, Hermann	Mo
Midwest Metal Products Inc., 1	450 E. Donovan Rd, Kansas City 15	Kan
Molded Insulation Co., 2	335 E. Price St, Phila 44	Pa
MUNDT & SONS, CHARLES, 1-3, Adv Pg 549	**53 Fairmount Ave, Jersey City 4**	**NJ**
Newcastle Fabrics Corp., 3	80 Wythe Ave, Brooklyn 11	NY
Parkway Specialties Co., 1-3	22519 Plymouth Rd, Detroit 39	Mich
PREMIER METAL PRODUCTS CO., 1-3, Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
Rimak, Inc., 1-3	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal
Stromberg-Carlson Div., Gen Dynamics Corp., 3	100 Carlson Rd, Rochester 3	NY
Swenson Co., Inc., V.H., 2-3	552 Elm St, Kearny	NJ
Unique Wire Weaving Co., Inc., 1-3	759 Ramsey Ave, Hillside	NJ
WESTERN DEVICES, INC., 1, Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
York Metal Products, Inc., 1	350 Greenwich St, New York 13	NY

GROMMETS

1. FIBER 2. METAL 3. PLASTIC 4. RUBBER

A.P.M. CORP., 4, Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
Ace Plastic Co., 3	91-54 Van Wyck Expwy, Jamaica 35	NY
Allied Plastics Supply Corp., 1-2-3	75 Cliff St, New York 38	NY
Amatom Electronic Hardware Co., Inc., 1-3-4	88 Drake Ave, New Rochelle	NY
Anaconda American Brass Co., 2	414 Meadow St, Waterbury 20	Conn
Atlantic India Rubber Works, Inc., 4	571 W. Polk St, Chicago 7	Ill
Auburn Mfg. Co., The, 1-3-4	**Pease Ave & Stack St, Middletown**	**Conn**
Barwood Mfg. Co., Inc., L. J., 1-2-3-4	22 Williams St, Everett 49	Mass
Blinn Co., Delbert, 3	P.O. Box 757, Pomona	Cal
Carr Fastener Co., Div., United-Carr, 3	31 Ames St, Cambridge 42	Mass
Carroll Pressed Metal, Inc., 2	133 Dewey St, Worcester	Mass
Chase Brass & Copper Co., Inc., 2	236 Grand St, Waterbury 20	Conn
Comco Plastics, Inc., 1-3	98-34 Jamaica Ave, Richmond Hill	NY
CONTINENTAL-DIAMOND FIBRE CORP., 1-3, Adv. Pgs. 205-208	**Newark 100**	**Del**
Cordo (Canada) Ltd., 3	149 Sterling Rd, Toronto 3, Ontario, Canada	
Cortland Industries, Inc., 1-3	4545 Cortland St, Chicago 39	Ill
Darrill Products Corp., 3	107 Falmouth St, Attleboro	Mass
Dzus Fastener Co., Inc., 2	125 Union St, West Islip	NY
Emeloid Co., Inc., 3	1239 Central Ave, Hillside 5	NJ
Emerson Plastics Corp., 3	1383 Seabury Ave, Bronx 61	NY
Enfto Corp., 3	Fellowship Rd, Rt. 73, Maple Shade	NJ
ERIE RESISTOR CORP., 3, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fastex Div., Illinois Tool Works, 3	195 Algonquin Rd, Des Plaines	Ill
FEDERAL SCREW PRODUCTS, INC., 1-2-4, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Franklin Fibre Lamitex Corp., 3	P.O. Box 1768, Wilmington	Del
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 3, Adv Pg 218	**Camden 1**	**NJ**
Gemex Corp., Industrial Div., 2	1200 Commerce Ave, Union	NJ
General Components Co., 1-2-3	225-229 E. 144th, New York 51	NY
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 2, Adv Pg 530	**Attleboro**	**Mass**
General Tire & Rubber Co., 3-4	Akron	Ohio
HEYMAN MFG. CO., 3, Adv Pg 518	**Kenilworth 2**	**NJ**
Insulation Manufacturers Corp., 1-3	565 W. Washington Blvd, Chicago 6	Ill
J. & G. Machine Co., Inc., 3	42 Lagrange St, Worcester	Mass
Joclin Mfg. Co., 1-3	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 3	36 Crescent St, Brooklyn 8	NY
Kuss Industries, Inc., 1-2-3-4	Tacony & Lewis Sts, Philadelphia 24	Pa
Long, Inc., Thomas J., 1-3	215 Stonehinge Ln, Carle Place	NY
Lord Mfg. Co., 4	1635 W. 12th St, Erie	Pa
Minisink Rubber Co., Inc., 4	Orange County, Unionville	NY
Minnesota Rubber Co., 4	3630 Wooddale Ave, Minneapolis	Minn
Minor Rubber Co., Inc., 4	49 Ackerman St, Bloomfield	NJ
Monadnock Mills Div., United Carr, 3	1977 1st Ave, San Leandro	Cal
North & Judd Mfg. Co., 2	500 E. Main St, New Britain	Conn
Nylite Corp of America, 3	282 Badger Ave, Newark 8	NJ
Panelyte Div., St. Regis Paper Co., 3	N. Enterprise Ave, Trenton 8	NJ
Parker Metal Goods Co., 3	85 Prescott St, Worcester	Mass
Pelmor Laboratories, Inc., 4	401 Lafayette St, Newtown	Pa
Penn Fibre & Specialty Co., 1-3	2020 E. Westmoreland St, Philadelphia 34	Pa
Pennsylvania Fluorocarbon Co., 3	1115 N. 38th St, Philadelphia 4	Pa
Permoflux Products Co., 3-4	4101 San Fernando Rd, Glendale	Cal
Porter Co., Wm., 4	1007 Sante Fe Ave, Los Angeles	Cal
Raybestos-Manhattan, Inc., 4	61 Willett St, Passaic	NJ
Roberts Toledo Rubber Co., 4	4141 Monroe St, Toledo	Ohio
Romar Plastics Inc., 3	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 3-4	239 Jacksonville Rd, Hatboro	Pa
Rubbercraft Corp of California, 4	1800 W. 220 St, Torrance	Cal
Russell Gasket Co., 4	7424 Bessemer Ave, Cleveland 27	Ohio
Sealectro Corp., 3	139 Hoyt Ave, Mamaroneck	NY
Sierra Electric Corp., 3	15100 S. Figueroa St, Gardena	Cal
Smith, Inc., Herman H., 1-3-4	2326 Nostrand Ave, Brooklyn 10	NY
Sparta Mfg. Co., 3	P.O. Box 107, Dover	Ohio
Stalwart Rubber Co., 4	160 Northfield Rd, Bedford	Ohio
Stimpson Co., Inc., Edwin B., 2	74 Franklin Ave, Brooklyn 5	NY
Swenson Co., Inc., V.H., 3	552 Elm St, Kearny	NJ
SYNTHANE CORP., 3, Adv Pg 35	**Oaks**	**Pa**
Thor Ceramics, Inc., 3	225 Belleville Ave, Bloomfield	NJ
UCINITE CO., DIV., UCC, 3, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Unique Wire Weaving Co., Inc., 2	759 Ramsey Ave, Hillside	NJ
United Shoe Machinery Corp., 2	140 Federal St, Boston 7	Mass
U.S. Rubber Co., 4	1230 Ave of the Americas, New York 20	NY
Waldom Electronics, Inc., 1-4	4621 W. 53rd St, Chicago 32	Ill
Western Felt Works, 4	4029 Ogden Ave, Chicago	Ill
Western Sky Industries, 3	21301 Cloud Way, Hayward	Cal
Wilmington Fibre Specialty Co., 1	New Castle 6	Del
ZIPPERTUBING CO., 3, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

GROOVERS *See* TOOLS
GROUNDING STRIPS *See* STRIPS *–GROUNDING*
GROUND-PLANE ANTENNAS *See* ANTENNAS *–COMMUNICATION*
GROUND RODS *See* RODS *–GROUND*
GROWN CRYSTALS *See* CRYSTALS *–SEMICONDUCTOR*

GUIDANCE SYSTEMS

1. ASTRO 2. INERTIAL-INFRARED See INFRARED DEVICES *3. RADAR 4. RADIO*

AC SPARK PLUG DIV., GENERAL MOTORS, 2, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
ACF Electronics Div., 1	Riverdale	Md
American Bosch Arma Corp., 2	320 Fulton Ave, Hempstead	NY
APPLIED ELECTRONICS CORP OF N.J., 1-3-4, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Babcock Radio Engineering, Inc., 4	1640 Monrovia Ave, Costa Mesa	Cal
Bausch & Lomb, 1	61461 Bausch St, Rochester 2	NY
Belock Instrument Corp., 1-2	112-03 14 Ave, College Point	NY
Bendix-Pacific Div., Bendix Aviation, 3	11600 Sherman Way, North Hollywood	Cal
Budd Lewyt Electronics, Inc., 1-2-3-4	43-22 Queens St, Long Island City 1	NY
Bulow Electric Co., 3	11000 Capital Ave, Oak Park	Ill
C.E.I.R., Inc., 1	1200 Jefferson Davis Hwy, Arlington 2	Va
Chance Vought Aircraft, Inc., 1-2-3-4	P. O. Box 5907, Dallas 22	Tex
Chicago Aerial Industries, 2-3	1980 N. Hawthorne, Melrose Park	Ill
Daystrom Inc., Military Electr. Div., 3	Archbald	Pa
Designers for Industry, 1-2-4	4241 Fulton Pkwy, Cleveland 9	Ohio
Dunn Engineering Associates, Inc., 2-3	225 O'Brien Hwy, Cambridge 41	Mass
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Emerson Electric Mfg. Co., 2-3	8100 Florissant Ave, St. Louis 36	Mo
Farrand Optical Co., Inc., 1-2	Bronx Blvd at 238th St, New York 70	NY
Fedrick Fenske & Miller, Inc., 4	12822 Panama St, Los Angeles	Cal
Ford Instrument Co., Div., Sperry Rand Corp., 2-3	31-10 Thomson Ave, Long Island City 1	NY
GPL Div., General Precision, Inc., 3	63 Bedford Rd, Pleasantville	NY
GENERAL DEVICES, INC., 1-2-3-4, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 3-4	Court St, Syracuse	NY
General Electric Co., Ordnance Dept., 2-3	100 Plastics Ave, Pittsfield	Mass
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
Gilfillan Bros., Inc., 3-4	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp., 1-3	1210 Massillon Rd, Akron 15	Ohio
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
Hallamore Electronics Co., 2	714 N. Brookhurst Ave, Anaheim	Cal
Hazeltine Corp., 3	59-25 Little Neck Pkwy, Little Neck	NY
Hughes Microwave Components Div., 3	Florence & Teale, Culver City	Cal
Huyck Systems Co., 3	360 Wolf Hill Rd, Huntington Sta	NY
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Corp., Ewen, 1-4	Oak & Pine Sts, East Natick	Mass
Kollmorgen Optical Corp., 1	347 King St, Northampton	Mass
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 1	80-08 45th Ave, Elmhurst 73	NY
Laboratory for Electronics, Inc., 3	1079 Commonwealth, Boston 15	Mass
Lear, Inc., 2-4	3171 S. Bundy Dr, Santa Monica	Cal
Litton Industries, Electronic Equipments Div., 2	336 N. Foothill Rd, Beverly Hills	Cal
Lockheed Electronics Co., Stavid Div., 3	U.S. Hwy 22, Plainfield	NJ
Marconi's Wireless Telegraph Co., Ltd., 3-4	750 Third Ave, New York 17	NY
Minn-Honeywell, Aeronautical Div., 1-2	2600 Ridgway Rd, Minneapolis 13	Minn
MINN-HONEYWELL, BOSTON DIV., 2, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Norden Div., United Aircraft Corp., 3	58 Commerce Rd, Stamford	Conn
Otis Elevator Co., 1-2-3-4	35 Ryerson St, Brooklyn 5	NY
Philco Corp., Gov't & Ind'l Div., 3-4	4700 Wissahickon Ave, Philadelphia 44	Pa
PRECISION PRODUCTS DEPT NORTRONICS, DIV., NORTHROP CORP., 1-2, Adv Pg 315	**100 Morse St, Norwood**	**Mass**
Production Research Corp., Sub of Radio Condenser Co., 2-3	Claremont Ave, Thornwood	NY
Radiation, Inc., 1-2	Melbourne	Fla
Reeves Instrument Corp., 2-3	Roosevelt Field, Garden City	NY
Rodale Electronics, 4	562 Grand Blvd, Westbury	NY
Ryan Electronics Div., Ryan Aeronautical Co., 3	5650 Kearny Mesa Rd, San Diego 12	Cal
SANDERS ASSOCIATES, INC., 3, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Sperry Gyroscope Div., Sperry Rand, 1-2-3	Great Neck	NY
Sperry Phoenix Co., Div., Sperry Rand, 3	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sperry Piedmont Div., Sperry Rand Corp., 3	Rt. 29, Charlottesville	Va
Summers Gyroscope Co., 4	2500 Broadway, Santa Monica	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
Ten Bosch, Inc., M., 2	80 Wheeler Ave, Pleasantville	NY
United Shoe Machinery Corp., Antenna & Microwave Sec., 3	Balch St, Beverly	Mass
Van Norman Industries, Elect Div., 3	186 Granite St, Manchester	NH
Whittaker Gyro Div., Telecomputing Corp., 2	16217 Lindberg St, Van Nuys	Cal

GUNFIRE CONTROL *See* RADAR
GUNFIRE CONTROL COMPUTERS *See* COMPUTERS *–SPECIAL*
GUN MOUNTS *See* TUBE PARTS
GUNS *–SOLDERING See* TOOLS *–SOLDERING*
GUY WIRE *See* WIRE *–BARE, STEEL*
GYRO COMPASSES *See* COMPASSES *–GYRO*

GYROS

1. DIRECTIONAL 2. DISPLACEMENT 3. INTEGRATING 4. RATE

AC SPARK PLUG DIV., GENERAL MOTORS, 3-4, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
Aeroflex Corp., 1-2-3-4	34-06 Skillman Ave, Long Island City 1	NY
ALLEN BUSINESS MACHINE, INC., R.C., AIRCRAFT INSTRUMENT DIV., 4, Adv Pg 61	**333 Commerce S.W., Grand Rapids**	**Mich**
American Bosch Arma Corp., 1	320 Fulton Ave, Hempstead	NY
Aviation Electric, Ltd., 1-4	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Belock Instrument Corp., 1-2-3-4	112-03 14 Ave, College Point	NY
Canadian Aviation Electronics Ltd., 3	6214 Cote de Liesse Rd, Montreal 9, Canada	
Dynamics Research Corp., 3	38 Montvale Ave, Stoneham	Mass
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1-4, Adv. Pgs. 193-196	**Teterboro**	**NJ**
FAIRCHILD CONTROLS CORP., COMPONENTS DIV., 4, Adv Pg 382	**225 Park Ave, Hicksville**	**NY**
Ford Instrument Co., Div., Sperry Rand Corp., 1-2-3-4	31-10 Thomson Ave, Long Island City 1	NY
Giannini Controls Corp., 1-2-4	1600 S. Mountain Ave, Duarte	Cal
Globe Industries, Inc., 4	1784 Stanley Ave, Dayton 4	Ohio
Gordon Enterprises, 3-4	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Greenleaf Mfg. Div Mandrel Industries, Inc., 2-3-4	7814 Maplewood Ind Ct, St. Louis 17	Mo
Gyrex Corp., 4	3003 Pennsylvania Ave, Santa Monica	Cal
Hoffman Electronics Corp., Military Prods Div., 1-2-3-4	3740 S. Grand Ave, Los Angeles 7	Cal
Humphrey, Inc., 1-2-3-4	2805 Canon St, San Diego 6	Cal
Iron Fireman Mfg. Co., Electronics Div., 1	2800 S.E. Ninth Ave, Portland 2	Ore

KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ketay Dept., Norden Div., United Aircraft Corp., 1-4	Jericho Tnpk, Commack	NY
Lear, Inc., 1-2-3-4	3171 S. Bundy Dr, Santa Monica	Cal
Litton Industries, Electronic Equipments Div	336 N. Foothill Rd, Beverly Hills	Cal
Minn-Honeywell, Aeronautical Div., 1-2-3-4	2600 Ridgway Rd, Minneapolis 13	Minn
MINN-HONEYWELL, BOSTON DIV., 1-2-4, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Muirhead & Co., Ltd., 2-4	Beckenham, Kent, England	
Norden Div., United Aircraft Corp., 1-3-4	58 Commerce Rd, Stamford	Conn
Philco Corp., Gov't & Ind'l Div., 1	4700 Wissahickon Ave, Philadelphia 44	Pa
Pioneer-Central Div., Bendix Aviation Corp., 2-4	Davenport	Iowa
PRECISION PRODUCTS DEPT NORTRONICS, DIV., NORTHROP CORP., 1-3-4, Adv Pg 315	**100 Morse St, Norwood**	**Mass**
Reeves Instrument Corp., 3	Roosevelt Field, Garden City	NY
SANDERS ASSOCIATES, INC., 4, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Siemon Mfg. Co., 1-2-3-4	P. O. Box 275, Wayne	Ill
Sperry Gyroscope Div., Sperry Rand, 1-2-3-4	Great Neck	NY
Sperry Phoenix Co., Div., Sperry Rand, 1-2	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sperry Piedmont Div., Sperry Rand Corp., 1-4	Rt. 29, Charlottesville	Va
Summers Gyroscope Co., 1-2-3-4	2500 Broadway, Santa Monica	Cal
Telecomputing Corp., 1-2-4	915 N. Citrus Ave, Hollywood	Cal
U.S. Time Corp., 2-3-4	346 Tejon Pl, Palos Verdes Est	Cal
U.S. Time Corp., Gyro Div., 2-3-4	375 Park Ave, New York 22	NY
Waltham Precision Instrument Co., 1-4	221 Crescent St, Waltham	Mass
Whittaker Gyro Div., Telecomputing Corp., 1-2-3-4	16217 Lindberg St, Van Nuys	Cal

GYRO TESTERS *See* TESTERS —*GYRO*
HAIRSPRINGS *See* SPRINGS

HANDLES

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Alac, Inc	365 W. Arden St, Glendale	Cal
Alpine Electronic Components	Wolcott Rd, Waterbury	Conn
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
Auburn Mfg. Co., The	Pease Ave & Stack St, Middletown	Conn
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Borden Chemical Co., Div., Borden Co	350 Madison Ave, New York 17	NY
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carroll Pressed Metal, Inc	133 Dewey St, Worcester	Mass
Davies Molding Co., Harry	1428 N. Wells, Chicago 10	Ill
DIMCO-GRAY CO., Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Friez Instrument Div., Bendix Aviation Corp	1400 Taylor Ave, Baltimore 4	Md
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
General Components Co	225-229 E. 144th, New York 51	NY
Goe Engineering Co	219 S. Mednik Ave, Los Angeles 22	Cal
Grant Pulley & Hardware Corp	135 High St, West Nyack	NY
Lerco Electronics, Inc	501 S. Varney St, Burbank	Cal
Lyn-Tron, Inc	5352 Riverton Ave, North Hollywood	Cal
Muckle Mfg. Co	Prinzing Rd, Owatonna	Minn
NATIONAL RADIO CO., Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NIELSEN HARDWARE CORP., Adv Pg 338	**770 Wethersfield Ave, Hartford 1**	**Conn**
Nutmeg Screw Machine Products Co	P.O. Box 1470, Waterbury	Conn
Pfister Aluminum Corp	54 W. Allandale Ave, Allendale	NJ
Precision Metal Products Co of Malden	41 Elm St, Stoneham 80	Mass
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sessions & Son, J.H.	280 Riverside Ave, Bristol	Conn
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Skydyne, Inc	River Rd, Port Jervis	NY
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
TA Mfg. Corp	4613 Alger St, Los Angeles 39	Cal
U.S. Engineering Co., Div., Litton Ind	13536 Saticoy, Van Nuys	Cal
Vemaline Products Co	P.O. Box 222ED, Hawthorne	NJ
WESTERN DEVICES, INC., Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**

HANDSETS *See* TELEPHONES
HAND TOOLS *See* TOOLS
HARDNESS INDICATORS *See* INDICATORS —*HARDNESS*

HARDWARE —*ELECTRONIC See Also SPECIFIC ITEM DESIRED*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Alac, Inc	365 W. Arden St, Glendale	Cal
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Alpine Electronic Components	Wolcott Rd, Waterbury	Conn
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Anti-Corrosive Metal Products Co., Inc	Castleton-on-Hudson	NY
AUGAT BROS., INC., Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Autoscrew Co., Inc	216-222 W. 18th St, New York 11	NY
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Blinn Co., Delbert	P.O. Box 757, Pomona	Cal
Braun Tool & Instrument Co., Inc., H	140 Fifth Ave, Hawthorne	NJ
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Carroll Pressed Metal, Inc	133 Dewey St, Worcester	Mass
CHRISTMAN INDUSTRIES, INC., Adv Pg 383	**1562 61st St, Brooklyn**	**NY**
Churchill Lighting Corp	344 Franklin St, Melrose 76	Mass
CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Deutsch Co., Electronic Components Div	Municipal Airport, Banning	Cal
ELASTIC STOP NUT CORP OF AMERICA, Adv Pg 298	**2330 Vauxhall Rd, Union**	**NJ**
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Elgin Metalformers Corp	630 Congdon Ave, Elgin	Ill
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Fedtro, Inc	Fed Electr Bldg, Rockville Centre	NY
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
General Components Co	225-229 E. 144th, New York 51	NY
Glove Electrical Mfg. Co	1727 W. 134 St, Gardena	Cal
Goe Engineering Co	219 S. Mednik Ave, Los Angeles 22	Cal
GRAYHILL, INC., Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Gries Reproducer Corp	151 Beechwood St, New Rochelle	NY
Groov-Pin Corp	1125 Hendricks Cswy, Ridgefield	NJ
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Humphrey Castings, Inc	3944 Riley St, San Diego 10	Cal
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
J. & G. Machine Co., Inc	42 Lagrange St, Worcester	Mass
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Jones Electronics, Hiram	2313 W. Olive Ave, Burbank	Cal
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Lerco Electronics, Inc	501 S. Varney St, Burbank	Cal
Librascope Div., General Precision, Inc	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc	Nowlan Rd, Hillcrest, Binghamton	NY
Lyn-Tron, Inc	5352 Riverton Ave, North Hollywood	Cal
Malco Mfg. Co	4023 W. Lake St, Chicago 24	Ill
Metal Findings Corp	152 W. 22nd St, New York 11	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Missile-Air	1108 W. 135th St, Gardena	Cal
Molding Corp of America	42 Church St, Pawtucket	RI
Molly Corp	232 N. Fifth St, Reading	Pa
Monadnock Mills Div., United Carr	1977 1st Ave, San Leandro	Cal
Morris Co., J.I.	376 Elm St, Southbridge	Mass
NATIONAL RADIO CO., Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NIELSEN HARDWARE CORP., Adv Pg 338	**770 Wethersfield Ave, Hartford 1**	**Conn**
Nutmeg Screw Machine Products Co	P.O. Box 1470, Waterbury	Conn
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Parkway Specialties Co	22519 Plymouth Rd, Detroit 39	Mich
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Repath Pacific Div., Arnold Engineering Co	641 E. 61 St, Los Angeles 1	Cal
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Rosan, Inc	2901 W. Coast Hwy, Newport Beach	Cal
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
South River Metal Products Co., Inc	377 Turnpike, South River	NJ
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
Stone City Products Co	1206-7th St, Bedford	Ind
Townsend Co	P.O. Box 71, Ellwood City	Pa
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Engineering Co., Div., Litton Ind	13536 Saticoy, Van Nuys	Cal
VECTOR ELECTRONIC CO., Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Vemaline Products Co	P.O. Box 222ED, Hawthorne	NJ
Waldom Electronics, Inc	4621 W. 53rd St, Chicago 32	Ill
WHITSO, INC., Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**

HARMONIC ANALYZERS *See* ANALYZERS —*HARMONIC*
HARMONIC SIGNAL GENERATORS *See* GENERATORS —*SIGNAL*

HARNESSES —*WIRE See Also* CABLE ASSEMBLIES

A-K Mfg. Co., Inc	111 S. Northwest Hwy, Barrington	Ill
Advanced Electronics, Inc	94 Silas Deane Hwy, Rocky Hill	Conn
Airdesign Corp	P.O. Box 987, Norristown	Pa
Airtronics International Corp	P.O. Box 8576, Fort Lauderdale	Fla
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allied Allegri, Inc	141 River Rd, Nutley	NJ
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Electric Cable Co	183 Appleton St, Holyoke	Mass
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Beckley Electric Co	466 Grand Ave, Brooklyn	NY
Bernco Engineering Corp	2320 S. Tibbs Ave, Indianapolis	Ind
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bliss Electronic Corp	P.O. Box 366, Sussex	NJ
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
Buffalo Electronics Corp	37 Franklin St, Buffalo 2	NY
Cable Electric Products	234 Daboll St, Providence	RI
Cable Specialists of Connecticut	95 Kitts Ln, Newington 11	Conn
Cadre Industries Corp	P. O. Box 150, Endicott	NY
Circle Mfg. Co	722 Monmouth St, Trenton 4	NJ
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Component Mfg. Service, Inc	West Bridgewater	Mass
Deutsch Co., Electronic Components Div	Municipal Airport, Banning	Cal
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
EPR Special Products Corp	675 Barbey St, Brooklyn	NY
Elco Corp	M St Below Erie Ave, Philadelphia 24	Pa
The Electric Autolite Co	Champlain St, Toledo 1	Ohio
Electromath Corp	115 Pleasant Ave, Roosevelt	NY
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Empire Electronics Co., Inc	60 Spruce St, Paterson 1	NJ
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Garrett Corp., The, 1-2-3-4-6-7-8	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Laboratory Assoc. Inc	17 E. Railroad St, Norwich	NY
Giffillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hallett Mfg. Co	5910 Bowcroft St, Los Angeles	Cal
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Houlihan Co., T.J.	2510 W. Lawrence Ave, Chicago 25	Ill
Inductor Engineering Inc	117 Schley Ave, Lewes	Del
Jefferson Electronic Products	322 State St, Santa Barbara	Cal
Keisers Industries, Inc	Lamau St, Mt. Holly Springs	Pa
Kupfrian Mfg. Corp	398 State St, Binghamton	NY
Lyman Electronic Corp	P.O. Box 1649, Springfield	Mass
MacLeod & Hanopol, Inc	10 Roland St, Charlestown 29	Mass
Mercury Engineering Corp	337 E. Cottage Pl, York	Pa
Model Engineering & Mfg., Inc	Huntington	Ind
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Molded Insulation Co	335 E. Price St, Phila 44	Pa

Mutron Corp	125 Perkins Ave, Brockton	Mass
NEWMAN CORP., M. M., Adv. Pgs. 228, 446	**79 Clifton Ave, Marblehead**	**Mass**
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Packard Electric Div., General Motors Corp	312 Dana Ave, Warren	Ohio
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensonville**	**Ill**
Paravox, Inc	Oakland Pk. St, Ft. Lauderdale	Fla
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Permonite Mfg. Co	910 W. Jackson Blvd, Chicago 7	Ill
Rodale Electronics	562 Grand Blvd, Westbury	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Rowe Industries	1702 Wayne St, Toledo 9	Ohio
Sag Harbor Industries, Inc	Bay Dr, Sag Harbor	NY
Sangamo Electric Co	1201 N. 11 St, Springfield	Ill
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Sheltered Workshops	2521 Fifth St, Santa Monica	Cal
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
Spec-Tronics	13942 Saticoy Ave, Van Nuys	Cal
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
Titeflex, Inc	534 Hendee St, Springfield	Mass
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Tri-Dex Co	P.O. Box 1207, Lindsay	Cal
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
Univox Corp	102 Warren St, New York 7	NY
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Winder Aircraft Corp	Dunnellon Air Base, Dunnellon	Fla

HARNESS LACING See CORDS —*LACING*

HEADERS —*HERMETICALLY SEALED (RELAY & TRANSFORMER)*

Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
ANTON ELECTRONIC LABS., INC., Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
DAGE ELECTRIC CO., Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Glasseal Products Co., Inc	725 Commerce Rd, Linden	NJ
Glass Tite Industries, Inc	725 Branch Ave, Providence 4	RI
Greenfield Components Corp	184 Shelburne St, Greenfield 16	Mass
Hermetite Corp	702 Beacon St, Boston 15	Mass
J-B Electronics Inc	2340 E. Elvira Rd, Tucson	Ariz
Molding Corp of America	42 Church St, Pawtucket	RI
Pix Mfg. Co., Inc	75 Hudson St, Newark	NJ
Quality Hermetics, Ltd	45 Hollinger Rd, E. York, Toronto, Ontario	
Radian Labs., Inc	P.O. Box 454, Mineola	NY
RICHFIELD COINED PRODUCTS CO., Adv Pg 358	**720 Broad St, Clifton**	**NJ**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sphere Co., Inc., The	25 Amity St, Little Falls	NJ
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transline Electronic Mfg. Co	304 Mt. Pleasant Ave, Newark 4	NJ
Uni-Seal, Inc	477 North Ave, Garwood	NJ
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa

HEADPHONES & HEADSETS

Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
Amplivox Ltd	Beresford Ave, Wembley, Middlesex, England	
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
AUDIOSEARS CORP., Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Brown Ltd., S.G.	80 Shore Rd, Port Washington	NY
Cannon Co., C.F.	Springwater	NY
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
Clevite-Walco	60 Franklin St, East Orange	NJ
Fanon Electronic Industries, Inc	439 Frelinghuysen Ave, Newark	NJ
Fedtro, Inc	Fed Electr Bldg, Rockville Centre	NY
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gotham Audio Corp	2 W. 46 St, New York 36	NY
Kellogg Switchboard & Supply Co.	6650 S. Cicero Ave, Chicago 39	Ill
Lesa Construzioni Elettromeccaniche Spa	Via Bergamo 21, Milan, Italy	
Melody Master Mfg. Co	2149-2151 Roscoe St, Chicago 18	Ill
Murdock Corp	158 Carter St, Chelsea	Mass
Mytron Mfg. Co.	4522 Brazil St, Los Angeles 30	Cal
Permoflux Products Co	4101 San Fernando Rd, Glendale	Cal
Remler Co	2101 Bryant St, San Francisco 10	Cal
Roanwell Corp	180 Varick St, New York 14	NY
Roflan Co	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Super Ear Products Co	32 Deering, East Rockaway	NY
Superex Electronics Corp	4-6 Radford Pl, Yonkers	NY
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp	Park Ave, Huntington	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Trimm, Inc	400 W. Lake St, Libertyville	Ill
U.S. Instrument Corp	P.O. Box 1191, Charlottesville	Va
Wells Co., Inc., Gary	361 Rockaway Ave, Valley Stream	NY

HEADS —*INDEXING, ROTARY*

KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**

HEADS —*RECORDING DISK*

BRYANT COMPUTER PRODUCTS, BRYANT CHUCKING GRINDER CO., Adv Pg 246	**P.O. Box 620, Springfield**	**Vt**
Fairchild Recording Equip., Co	10-40 45th Ave, L I City 1	NY
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Genesys Corp., Sub, Chance Vought	10131 National Blvd, Los Angeles 34	Cal
Gotham Audio Corp	2 W. 46 St, New York 36	NY
Laboratory for Electronics, Inc	1079 Commonwealth, Boston 15	Mass
Minnesota Mining & Mfg. Co., Magnetic Products	900 Bush Ave, St. Paul 6	Minn
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

HEADS —*RECORDING, MAGNETIC DRUM (MEMORY)*

Alwac Computer Div., El-Tronics, Inc	13040 S. Cerise, Hawthorne	Cal
Applied Magnetics Corp	Box 368, Goleta	Cal
Autonetics, Div., North American Aviation, Inc	9150 E. Imperial Hwy, Downey	Cal
BRYANT COMPUTER PRODUCTS, BRYANT CHUCKING GRINDER CO., Adv Pg 246	**P.O. Box 620, Springfield**	**Vt**
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
EMI-COSSOR ELECTRONICS LTD., Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
Genesys Corp., Sub, Chance Vought	10131 National Blvd, Los Angeles 34	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc	1079 Commonwealth, Boston 15	Mass
Magne-Head Div., General Transistor Corp	2660 S. La Cienega Blvd, Los Angeles 34	Cal
Maico Electronics, Inc	21 N. 3rd St, Minneapolis 1	Minn
Michigan Magnetics, Inc	W. 3rd St, Vermontville	Mich
Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla
Minn-Honeywell, Industrial Systems Div	10721 Hanna St, Beltsville	Md
Minnesota Mining & Mfg. Co., Magnetic Products	900 Bush Ave, St. Paul 6	Minn
Monroe Calculating Machine, Co., Div., Litton Industries	55 Mitchell St, Orange	NJ
Norton Associates, Inc	240 Old Country Rd, Hicksville	NY
Pickering & Co., Inc	Sunnyside Blvd, Plainview	NY
Rea Co., Inc., J.B.	2202 Broadway, Santa Monica	Cal
Sage-Craft, Inc	Norwich	NY
Stancil-Hoffman Corp	921 N. Highland Ave, Hollywood 38	Cal
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

HEADS —*RECORDING, MAGNETIC TAPE & FILM*

1. MULTITRACK (EXCEPT STEREO)	*2. SINGLE-TRACK 3. STEREO*	
American Geloso Electronics, 2	251 Park Ave S., New York	NY
Ampex Data Products Co., 1-2-3	934 Charter St, Redwood City	Cal
Applied Magnetics Corp., 1-2-3	Box 368, Goleta	Cal
Bach Auricon, Inc. 1-2	6924 Romaine St, Hollywood 38	Cal
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., 1-2-3, Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
Clevite-Walco, 1-2-3	60 Franklin St, East Orange	NJ
Duotone Co., Inc., 2	Locust, St, Keyport	NJ
Dynamu Magnetronics, Div., Maico, 1-2-3	21 N. 3rd St, Minneapolis	Minn
Edwin A. Lipps Engineering, 1-2-3	1511 Colorado Ave, Santa Monica	Cal
EMI-COSSOR ELECTRONICS LTD., 1-2-3, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electrodynamic Instrument Corp., 1-2-3	1841 Old Spanish Trail, Houston 25	Tex
El-Tronics Inc., 1	20 S. 15th St, Philadelphia 2	Pa
Fidelitone, Inc., 1-3	6415 Ravenswood, Chicago 26	Ill
GATES RADIO CO., 2-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Genesys Corp., Sub, Chance Vought, 1-2	10131 National Blvd, Los Angeles 34	Cal
Houston Instrument Corp., 1-2	P.O. Box 22234, Houston 27	Tex
Lisk Co., Inc., G.W.	40 South St, Clifton Springs	NY
Magnasync Corp., 1-2-3	5546 Satsuma Ave, North Hollywood	Cal
Magnecord Div., MI, 1-2-3	P.O. Box 7186, Tulsa 5	Okla
Magne-Head Div., General Transistor Corp., 1-2-3	2660 S. La Cienega Blvd, Los Angeles 34	Cal
Maico Electronics, Inc., 1-2-3	21 N. 3rd St, Minneapolis 1	Minn
Michigan Magnetics, Inc., 2-3	W. 3rd St, Vermontville	Mich
Midwestern Instruments, Inc., 1-2-3	P.O. Box 7186, Tulsa 18	Okla
Minn-Honeywell, Industrial Div., 1-2	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Industrial Systems Div., 1	10721 Hanna St, Beltsville	Md
Norton Associates, Inc., 1-2-3	240 Old Country Rd, Hicksville	NY
Nortronics Co., Inc., 1-2-3	1017 S. Sixth St, Minneapolis 4	Minn
Peirce Dictation Systems, 2	5900 Northwest Hwy, Chicago 31	Ill
Pentron Corp., 2	777 S. Tripp Ave, Chicago 24	Ill
Pickering & Co., Inc., 1-2-3	Sunnyside Blvd, Plainview	NY
Potter Instrument Co., Inc., 1-2	Sunnyside Blvd, Plainview	NY
Rangertone, Inc., 2-3	73 Winthrop St, Newark 4	NJ
Rea Co., Inc., J.B., 1-2-3	2202 Broadway, Santa Monica	Cal
Roberts Electronic's, Inc., 2-3	829 N. Highland Ave, Hollywood 38	Cal
Robins Industries Corp., 2-3	36-27 Prince St, Flushing 54	NY
Shure Brothers, Inc., 1-3	222 Hartrey Ave, Evanston	Ill
Sonotone Corp., 2-3	P.O. Box 200, Elmsford	NY
Sony Corp., 1-2-3	514 Broadway, New York 12	NY
Southwestern Ind. Electronics Co., 1-2	10201 Westheimer Rd, Houston 19	Tex
Stancil-Hoffman Corp., 1-2-3	921 N. Highland Ave, Hollywood 38	Cal
TELECTRO INDUSTRIES CORP., 3, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Viking of Minneapolis, 2-3	9600 Aldrich Ave S., Minneapolis 20	Minn
Westrex Corp., Div., Litton Industries, 1-2-3	540 W. 58 St, New York 19	NY

HEARING AIDS

American Geloso Electronics	251 Park Ave S., New York	NY
Amplivox Ltd	Beresford Ave, Wembley, Middlesex, England	
Audio Equipment Co., Inc	75 Harbor Rd, Port Washington	NY
Audivox, Inc	123 Worcester St, Boston	Mass
Aurex Corp	315 W. Adams St, Chicago 6	Ill
Beltone Hearing Aid Co	2900 W. 36th St, Chicago 32	Ill
Doty Acoustical Electronic Labs	Tobyhanna	Pa
Grason-Stadler Corp	Electronics Park, West Concord	Mass
Maico Electronics, Inc	21 N. 3rd St, Minneapolis 1	Minn
Multitone of Canada Ltd	130 Merton St, Toronto 7, Canada	
Myers & Sons, Inc., E.A.	Radiocar Bldg, Valley Brook Rd, Canonsburg	Pa
Nichols & Clark, Inc	321 Newburyport Trnpk, Danvers	Mass
Otarion Listener Corp	Scarborough Park, Ossining	NY
Paravox, Inc	Oakland Pk. St, Ft. Lauderdale	Fla
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Roflan Co	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rye Sound Corp	145 Elm St, Mamaroneck	NY

Sonotone Corp	P.O. Box 200, Elmsford	NY
Super Ear Products Co	32 Deering, East Rockaway	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Vari Corp	2825 Cedar Ave, Minneapolis	Minn
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY
Zenith Radio Corp.	6001 Dickens Ave, Chicago 39	Ill

HEARING-AID TUBES See **TUBES** –*HEARING-AID*

HEATERS –*ELECTRONIC*
1. DIELECTRIC 2. INDUCTION 3. FIXTURES & OTHER ASSOCIATED EQUIPMENT

Allis-Chalmers Mfg. Co., 1-2-3	935 S. 70th St, Milwaukee 1	Wisc
Cavitron Electron Oscillator Div., Short Wave Plas. Form. Co., 1	355 N. Newport Blvd, Newport Beach	Cal
Cory Corp., 3	3200 W. Peterson, Chicago 45	Ill
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
Ecco High Frequency Corp., 1-2-3	7020 Hudson Blvd, North Bergen	NJ
Erdco Engineering Corp., 1-2-3	Addison	Ill
Garrett Corp., The, 1	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Electric Co., Specialty Heating Prods Sec., 1-2	P.O. Box 278, Coxsackie	NY
GENERAL ELECTRODYNAMICS CORP., 1-2, Adv. Pgs. 184, 185	**4430 Forest Ln, Garland**	**Tex**
Girdler Process Equip. Div., Chemetron Corp., 1	334 E. Broadway, Louisville 1	Ky
Gordon Enterprises, 2	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Induction Heating Corp., 1-2-3	181 Wythe Ave, Brooklyn 11	NY
Industron Corp., 1-2-3	55 Needham St, Newton Highlands	Mass
Laboratory Equipment Corp., 2	Lakeview & Hilltop Rd, St. Joseph	Mich
LEPEL HIGH FREQUENCY LABS., INC., 2-3, Adv Pg 544	**1548 37 Ave, Woodside 77**	**NY**
Lindberg Engineering Co., 2-3	2450 W. Hubbard St, Chicago	Ill
McDowell Electronics, Inc., 2	P.O. Box 342, Metuchen	NJ
Marion Instrument Div., Minneapolis-Honeywell Regulator Co., 2	Grenier Field, Manchester	NH
Merco Products, Inc., 3	1298 Bethel Dr, Eugene	Ore
Merit Short Wave Diathermy Co., 1	2758 Whittier Blvd, Los Angeles 23	Cal
Miller Co., L. C., 3	5005 E. Slauson Ave, L A 22	Cal
Mytron Mfg Co., 1-3	4522 Brazil St, Los Angeles 30	Cal
New Rochelle Thermatool Corp., 1-2-3	320 Main St, New Rochelle	NY
Nichols, Ltd., R.H., 1	4544 Dufferin St, Downsview, Ontario, Canada	
Ohio Crankshaft Co., Tocco Div., 2-3	3800 Harvard Ave, Cleveland 5	Ohio
Pioneer Industries Div., Almar-York Co., Inc 1-2-3	3455 W. Vickery, Fort Worth 7	Tex
Plastic Welding Corp., 1-2-3	841 Frelinghuysen Ave, Newark	NJ
Radio Frequency Co., Inc., 1-2-3	44 Park St, Medfield	Mass
Reeve Electronics, Inc., 1-2-3	609 W. Lake St, Chicago 6	Ill
Resdel Engineering Corp., 1	330 S. Fair Oaks Ave, Pasadena	Cal
Robotron Corp., 1-2	21300 W. 8 Mile Rd, Detroit 41	Mich
Scientific Electric, Inc., 1-2-3	105-119 Monroe St, Garfield	NJ
Sherman Industrial Electronics, 1-2-3	521 Marylyn Ave, State College	Pa
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	Eng
Thermatron Div., Willcox & Gibbs Sewing Machine Co., 1-3	214 W. 39th St, New York 18	NY
Thermovolt Instruments, Ltd., 2-3	70 Advance Rd, Toronto 18, Ontario, Canada	
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
WESTINGHOUSE ELECTRIC CORP., 2-3, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Young Brothers Co., 1	1829 Columbus Rd, Cleveland	Ohio

HEATERS –*INFRARED*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Acme Electric Heating Corp	99 Reading St, Boston	Mass
Engelhard Industries, Inc.	113 Astor St, Newark 2	NJ
Merco Products, Inc	1298 Bethel Dr, Eugene	Ore
Miskella Infra-Red Co., The	E. 73rd & Grand Ave, Cleveland 4	Ohio
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Vulcan Electric Co	88 Holten St, Danvers	Mass
Wiegand Co., Edwin L.	7606 Thomas Blvd, Pittsburgh 8	Pa

HEAT EXCHANGERS
1. AIR-TO-AIR 2. AIR-TO-LIQUID 3. LIQUID-TO-LIQUID

AMERICAN-STANDARD INDUSTRIAL DIV., 2-3, Adv Pg 128	**Detroit 32**	**Mich**
APPLIED ELECTRONICS CORP OF N.J., 2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
ASSOCIATED TESTING LABS., INC., 1-2-3, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Besler Corp., 1-2-3	4053 Harlan St, Oakland 8	Cal
Budd Co., 1-2	2450 Hunting Park Ave, Philadelphia 22	Pa
Budd Lewyt Electronics, Inc., 1-2-3	43-22 Queens St, Long Island City 1	NY
Central Dynamics Ltd., 1-2-3	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Dean & Benson Research Div Benson Mfg. Co., 1-2-3	Kansas City 1	Mo
Dunham-Bush, Inc., 1-2-3	179 South St, W. Hartford	Conn
EASTERN INDUSTRIES, INC., 1-2-3, Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Fulton Sylphon Div., Robertshaw-Fulton, 3	P.O. Box 400, Knoxville 1	Tenn
Garrett Corp., The, 1-2-3	9851 Sepulveda Blvd, Los Angeles 45	Cal
General American Transportation Corp., 3	135 S. La Salle St, Chicago 3	Ill
HALLICRAFTERS CO., 2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heatron Inc., 2-3	333 Eberts Ln, York	Pa
Hicks Corp., 1-2-3	1671 Hyde Park Ave, Hyde Park	Mass
Huyck Systems Co., 2-3	360 Wolf Hill Rd, Huntington Sta	NY
IMC MAGNETICS CORP., 1-2-3, Adv Pg 186	**570 Main St, Westbury**	**NY**
Kahn & Co., Inc., 2	885 Wells Rd, Wethersfield	Conn
Lear-Romec Div., Lear, Inc., 1-2-3	Abbe Rd, Elyria	Ohio
MSA Research Corp., 2-3	Callery	Pa
Metal Fabricators Corp., 3	63 Pond St, Waltham 54	Mass
Modine Mfg. Co., 1-2	1500 Dekoven Ave, Racine	Wisc
OPAD ELECTRIC CO., 1, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Pioneer Industries Div., Almar-York Co., Inc., 1	3455 W. Vickery, Fort Worth 7	Tex
Research, Inc., 2	P.O. Box 6164, Edian Br, Minnpls 24	Minn
Sel-Rex Corp., 3	75 River Rd, Nutley 10	NJ
Sorensen Industrial Electronic Co., 3	Rt 10, Dover	NJ
STANDARD CABINET CO., INC., 1-2-3, Adv Pg 468	**57 Washington Ave, Carlstadt**	**NJ**
TENNEY ENGINEERING, INC., 1-2, Adv Pg 102	**1090 Springfield Rd, Union**	**NJ**
Trought Associates, Inc., 1-2	116 Greylock Ave, Belleville	NJ
United Aircraft Products Inc., 1-2-3	1116 Bolander Ave, Dayton 1	Ohio
U.S. Hoffman Machinery Corp., 1	103 4th Ave, New York 3	NY

HEATING COILS –*INDUCTION* See **COILS**
HEATING ELEMENTS –*ELECTRIC* See **ELEMENTS** –*HEATING*
HEAT SINKS –*TRANSISTOR* See **SINKS**
HEAT SOURCES –*INFRARED* See **INFRARED DEVICES**
HEAT-TREATING CONTROLS See **CONTROLS** –*TEMPERATURE*
HEAT-TREATING FURNACES See **FURNACES**

HEAT TREATING SERVICES

Advanced Vacuum Products, Inc., Sub Indiana General Corp	430 Fairfield Ave, Stamford	Conn
American Gas Furnace Co.	130 Spring St, Elizabeth	NJ
Atlee Components, Inc	8220 Lankershim Blvd, N. Hollywood	Cal
Bache & Co., Semon	636 Greenwich St, New York 14	NY
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Hicks Corp	1671 Hyde Park Ave, Hyde Park	Mass
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc.	2 Churchill Rd, Hingham 1	Mass
Kinetics Corp.	2 Churchill Rd, Hingham	Mass
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Pyromet Co	595 Industrial Rd, San Carlos	Cal

HELMETS –*NOISE-PROTECTIVE*

Amplivox Ltd.	Beresford Ave, Wembley, Middlesex, England	
Bill Jack Scientific Instrument Co.	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY

HERMETICALLY SEALED BUSHINGS See **BUSHINGS**
HERMETICALLY SEALED INSULATORS See **INSULATORS** –*FEED THROUGH*
HERMETIC-SEALING MACHINES See **MACHINES** –*HERMETIC-SEALING*
HERMETIC SEALS See **SEALS** –*HERMETIC*
HERMETIC SEALS See **SEALING SERVICES: SEALS** –*HERMETIC*
HIGH-FIDELITY A-F AMPLIFIERS See **AMPLIFIERS – A-F**
HIGH-FIDELITY PHONOGRAPHS See **PHONOGRAPHS**

HIGH-FIDELITY SYSTEMS

Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
Continental Manufacturing, Inc	1612 California St, Omaha	Neb
Electronic Applications, Inc.	194 Richmond Hill Ave, Stamford	Conn
Lansing Sound, Inc., James B.	3249 Casitas Ave, Los Angeles 39	Cal

HIGH-FREQUENCY FURNACES See **FURNACES** –*HIGH-FREQUENCY*
HIGH-PASS FILTERS See **FILTERS**
HIGH-PERMEABILITY ALLOYS See **ALLOYS** –*SPECIAL*
HIGH-PERMEABILITY CORES See **CORES** –*LAMINATED*
HIGH-POTENTIAL TESTERS See **TESTERS** –*INSULATION*

HOLDERS
1. CRYSTAL DIODES 2. CRYSTAL, QUARTZ 3. FUSE See *Also* **CLAMPS: CLIPS: FIXTURES**

Accurate Electronics Corp., 1-3	Dept G, 169 Abbe Rd S., Elyria	Ohio
Aircom, Inc., 1	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries, 1	200 E. Hanover Ave, Morris Plains	NJ
Alpine Electronic Components, 1	Wolcott Rd, Waterbury	Conn
AMERICAN ELECTRONIC LABS., INC., 1, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
ATLEE CORP., 1-2-3, Adv Pg 507	**47 Prospect St, Woburn**	**Mass**
AUGAT BROS., INC., 1-2, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Bassett, Inc., Rex, 2	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bel Fuse, Inc., 3	198 Van Vorst St, Jersey City	NJ
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bogart Mfg. Corp., 1	315 Seigel St, Brooklyn 6	NY
Braun Tool & Instrument Co., Inc., H, 1-3	140 Fifth Ave, Hawthorne	NJ
BUDD-STANLEY CO., INC., 1, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
CONSTANTIN & CO., L.L., 1-2, Adv Pg 291	**Rt. 46, Lodi**	**NJ**
DEMORNAY-BONARDI, 1, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1	River St, Winchester	Mass
Electrovert, Inc., 1-3	124 E. 40 St, New York 17	NY
FXR, INC., 1, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc., 1	P.O. Box 504, Asbury Park	NJ
Glass Tite Industries, Inc	725 Branch Ave, Providence 4	RI
GRAYHILL, INC., 1, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Hermetite Corp., 1-2	702 Beacon St, Boston 15	Mass
INDUSTRIAL ELECTRONIC HARDWARE CORP., 1-3, Adv Pg 482	**109 Prince St, New York 12**	**NY**
International Electronic Research Corp., 1-2	135 W. Magnolia Blvd, Burbank	Cal
JANCO CORP., 3, Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
Javex Electronics, 1-2	P.O. Box 646, Redlands	Cal
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
Kolton Electric Mfg. Co., 3	123 New Jersey Railroad Ave, Newark 5	NJ
Littelfuse, Inc., 3	1865 Miner St, Des Plaines	Ill
Long, Inc., Thomas J., 1	215 Stonehinge Ln, Carle Place	NY
Meridian Metalcraft, Inc., 1	8739 S. Millergrove Dr, Whittier	Cal
MICROLAB, 1, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1	Box 1166, Greenwich	Conn
Microwave Associates, Inc., 1	Burlington	Mass
MICROWAVE COMPONENTS, INC., 1, Adv Pg 517	**Doylestown**	**Pa**
NATIONAL RADIO CO., 1-2, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Omega Laboratories, Inc., 1	P.O. Box 308, Rowley	Mass
Permonite Mfg. Co., 3	910 W. Jackson Blvd, Chicago 7	Ill
Quality Hermetics, Ltd., 2	45 Hollinger Rd, E. York, Toronto, Ontario	
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 3, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 3, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Sage Laboratories, Inc., 1	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., 1-2, Adv Pg 488	**95 Canal St, Nashua**	**NH**
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Telonic Engineering Corp., 1	733 Broadway, Laguna Beach	Cal
Uni-Seal, Inc., 1-2	477 North Ave, Garwood	NJ
Victor R.F. & Microwave Co., 1-2	36 W. Water St, Wakefield	Mass
Warren Components Div., El-Tronics, 1	S. Irvine St, Warren	Pa
Waveline, Inc., 1	P.O. Box 718, Caldwell	NJ

HOLDERS —*LENS, WINDOW OR DIAL GLASS* See BEZELS
HOLDING FIXTURES See FIXTURES —*HOLDING*

HONEYCOMB STRUCTURES

ALBANO CO., INC., HONEYCOMB STRUCTURES DIV., Adv Pg 55	**555 W. 54th St, New York 19**	**NY**
Atkins & Merrill, Inc.	49 Post Rd, South Sudbury	Mass
Avco Corp., Nashville Div.	Nashville	Tenn
Bar-Ray Products, Inc	213 25 St, Brooklyn 32	NY
Bridgeport Brass Co.	30 Grand St, Bridgeport	Conn
Dalmo Victor Co., Div., Textron, Inc.	1515 Industrial Way, Belmont	Cal
Dean & Benson Research Div of Benson Mfg. Co	Kansas City 1	Mo
Douglas Aircraft Co., Inc	300 Ocean Park Ave, Santa Monica	Cal
Dwyer Engineering Co., Inc	Airport Rd, Nashua	NH
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
Lamtex Industries Inc.	Motor Ave, Farmingdale	NY
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Summit Industries, Inc	2114 W. Rosecrans Ave, Gardena	Cal
X-Ray Products Corp	7829 Industry Ave, Pico-Rivera	Cal

HOODS —*ASSEMBLY, DUST-FREE*

AIR-SHIELDS, INC., Adv Pg 163	**Hatboro**	**Pa**
Controlled Atmosphere Enclosures Mfg. Co	1061 E. 8th St, Jacksonville 6	Fla
Electronic Enclosures, Inc	3629 Holdrege Ave, Los Angeles 16	Cal
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
Specialties, Inc	Skunks Misery Rd, Syosset	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
York Metal Products, Inc.	350 Greenwich St, New York 13	NY
ZIPPERTUBING CO., Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

HOOKUP WIRE See WIRE —*HOOKUP*
HORIZONTAL DEFLECTION TRANSFORMERS See TRANSFORMERS — *IRON-CORE, SPECIAL*

HORNS —*SPEAKER PROJECTOR*

Atlas Sound Corp	1443 39th St, Brooklyn 18	NY
Bart Labs & Design Inc.	125 Manchester Pl, Newark 4	NJ
Belmar Wheel & Machine Co.	1707 F St, Belmar	NJ
Fanon Electronic Industries, Inc	439 Frelingheysen Ave, Newark	NJ
Galbraith-Pilot Marine Corp	602 Fourth Ave, Brooklyn	NY
Racon Electric Co	1261 Broadway, New York 1	NY

HORNS —*WAVEGUIDE*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Applied Technology, Inc	930 Industrial Ave, Palo Alto	Cal
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Belmar Wheel & Machine Co.	1707 F St, Belmar	NJ
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
Dalmo Victor Co., Div., Textron, Inc.	1515 Industrial Way, Belmont	Cal
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Meridian Metalcraft, Inc.	8739 S. Millergrove Dr, Whittier	Cal
Metal Fabricators Corp.	63 Pond St, Waltham 54	Mass
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Nichols Products Co.	323 W. Main St, Moorestown	NJ
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Temco Electronics Div., Temco Aircraft Corp	P.O. Box 6191, Dallas 22	Tex
Transco Products Inc	12210 Nebraska Ave, L A 25	Cal
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc.	P.O. Box 718, Caldwell	NJ

HOT-STAMPING MACHINES See MACHINES —*HOT-STAMPING*

HOUSINGS —*ANTENNA*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc.	48 Cummington St, Boston	Mass
Belmar Wheel & Machine Co.	1707 F St, Belmar	NJ
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Don-Lan Electronics, Inc.	1101 Olympic, Santa Monica	Cal
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Emerson Plastics Corp	1383 Seabury Ave, Bronx 61	NY
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
I.E. Manufacturing	325 N. Hoyne Ave, Chicato 12	Ill
Kling Metal Spinning Co	247 Centre St, New York	NY
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Premax Products Div., Chisholm-Ryder Co., Inc	Highland & College, Niagara Falls 2	NY
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Summit Industries, Inc	2114 W. Rosecrans Ave, Gardena	Cal
Swenson Co., Inc., V.H.	552 Elm St, Kearny	NJ
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
U.S. Dielectric Products, Inc	98 Adams St, Leominster	Mass
York Metal Products, Inc.	350 Greenwich St, New York 13	NY

HOUSINGS —*AUTO RADIO* See CABINETS —*METAL*
HOUSINGS —*DIODE & TRANSISTOR* See CASES

HOUSINGS —*IRON-CORE TRANSFORMERS*

Electronic Transformer Co.	70 Washington St, Brooklyn 1	NY
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Emerson Plastics Corp.	1383 Seabury Ave, Bronx 61	NY
Kling Metal Spinning Co	247 Centre St, New York	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa

HOUSINGS —*METAL, SMALL* See CANS

HOUSINGS —*METER MOVEMENT* See Also CASES —*PORTABLE*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Allen Electric & Equipment Co.	2101 N. Pitcher St, Kalamazoo	Mich
Belmar Wheel & Machine Co.	1707 F St, Belmar	NJ
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Kling Metal Spinning Co	247 Centre St, New York	NY
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
York Metal Products, Inc.	350 Greenwich St, New York 13	NY

HOUSINGS —*PLUG-IN*

Bud Radio, Inc.	2118 E. 55th St, Cleveland 3	Ohio
Churchill Lighting Corp	344 Franklin St, Melrose 76	Mass
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa

HOUSINGS —*PUBLIC-ADDRESS SYSTEM* See CABINETS —*METAL*
HOUSINGS —*SPEAKER* See BAFFLES
HUMIDITY CHAMBERS See CHAMBERS
HUMIDITY CONTROLS See CONTROLS —*HUMIDITY*
HUMIDITY INDICATORS See INDICATORS —*HUMIDITY*
HUMIDITY RECORDERS See RECORDERS —*HUMIDITY*
HUTS See SHELTERS
HYBRID AUTO RADIOS See RECEIVERS —*RADIO, ENTERTAINMENT*

HYBRID JUNCTIONS —*MICROWAVE*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc.	8739 S. Millergrove Dr, Whittier	Cal
Merrimac Research & Development, Inc.	517 Lyons Ave, Irvington	NJ
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Transco Products Inc	12210 Nebraska Ave, L A 25	Cal
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc.	P.O. Box 718, Caldwell	NJ

HYDROGEN THYRATRONS See TUBES —*THYRATRON*

HYDROPHONES

Atlantic Research Corp	Shirley Hwy at Edsall Rd, Alexandria	Va
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
Harris Transducer Corp	Woodbury	Conn

MASSA DIV., COHU ELECTRONICS, INC., Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Solar Mfg. Corp	4553 Seville Ave, Los Angeles 58	Cal
Telephonics Corp	Park Ave, Huntington	NY
U.S. Sonics Corp	625 McGrath Hwy, Somerville 45	Mass

ICING INDICATORS See **INDICATORS** –*ICING*
I-F AMPLIFIERS See **AMPLIFIERS – I-F**
I-F ATTENUATORS See **ATTENUATORS**
IGNITION SHIELDING See **SHIELDING**

IGNITION SYSTEMS –*ELECTRONIC*

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Cadre Industries Corp	P. O. Box 150, Endicott	NY
Coil Co of America, Inc	220 Washington St, Northvale	NJ
The Electric Autolite Co	Champlain St, Toledo 1	Ohio
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Erdco Engineering Corp	Addison	Ill
General Laboratory Assoc. Inc	17 E. Railroad St, Norwich	NY
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Mutron Corp	125 Perkins Ave, Brockton	Mass
SCINTILLA DIV., BENDIX AVIATION CORP., Adv Pg 363	**Sidney**	**NY**
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ

IGNITRONS See **TUBES** –*IGNITRON*
ILLUMINATION CONTROLS See **CONTROLS** –*PHOTOELECTRIC*
ILLUMINATION INDICATORS See **METERS** –*LIGHT*
IMAGE SCANNERS See **SCANNERS** –*IMAGE*
IMPACT SWITCHES See **SWITCHES** –*AUTOMATICALLY OPERATED, INERTIA*
IMPEDANCE BRIDGES See **BRIDGES**
IMPEDANCE COMPARATOR BRIDGES See **COMPARATORS**
IMPEDANCE METERS See **BRIDGES**
IMPEDANCE PLOTTERS See **RECORDERS** –*IMPEDANCE*

IMPREGNANTS –*INSULATING*

Acme Wire Co	New Haven 14	Conn
Bacon Industries, Inc	192 Pleasant St, Watertown 72	Mass
Biwax Corp	3445 Howard St, Skokie	Ill
Chemical Development Corp	Endicott St, Danvers	Mass
Coast Pro-Seal & Mfg. Co	2235 Beverly Blvd, Los Angeles 57	Cal
DOW CORNING CORP., Adv. Pgs. 238, 239	**Midland**	**Mich**
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
General Electric Co., Silicone Prods Dept	Dept A, Waterford	NY
Hi-Test Chemical Corp	722 64th St, Brooklyn 20	NY
Isochem Resins Co	221 Oak St, Providence 9	RI
Johns-Manville	22 E. 40 St, New York 16	NY
Koppers Co., Inc	Koppers Bldg, Pittsburgh 19	Pa
Minnesota Mining & Mfg. Co	900 Bush Ave, St. Paul 6	Minn
Mitchell Rand Mfg. Corp	51 Murray St, New York 7	NY
Schenectady Varnish Co., Inc	Congress St & 10th Ave, Schenectady 3	NY
Silicones Div., UCC	270 Park Ave, New York 17	NY
Sterling Varnish Co	Haysville Borough, Sewickley	Pa
Trancoa Chemical Corp	312-326 Ash St, Reading	Mass
Trionics Corp	P.O. Box 548, Madison 1	Wisc
Zophar Mills, Inc	115 26th St, Brooklyn 32	NY

IMPREGNATING MACHINES See **MACHINES** –*IMPREGNATING*
IMPULSE COUNTERS See **COUNTERS** –*ELECTRONIC*
IMPULSE GENERATORS See **GENERATORS** –*SIGNAL, PULSE*
IMPULSE TIMERS See **TIMERS** –*ELECTRONIC*
INCANDESCENT LAMPS See **LAMPS**
INDEXING HEADS See **HEADS** –*INDEXING, ROTARY*

BURKE & JAMES, INC., 7, Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**

INDICATORS –*ANTENNA POSITION*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Channel Master Co	Ellenville	NY
COMPUTER INSTRUMENTS CORP., Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Shurite Meters	130 Wallace St, New Haven 8	Conn
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Telrex, Inc	Asbury Park	NJ
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

INDICATORS –*ARCBACK*

Standard Electronics Div., Reeves Instrument Corp	Lakewood Rd, Farmingdale	NJ
Walkirt Co	141 W. Hazel St, Inglewood 3	Cal

INDICATORS –*CAPACITOR-LEAKAGE* See **TESTERS** –*CAPACITOR*

INDICATORS –*CONDUCTIVITY*

Electrol Specialties Co	441 Clark St, South Beloit	Ill
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Hagan Chemicals & Controls, Inc	Hagan Center, Pittsburgh 30	Pa
Industrial Instruments, Inc	89 Commerce Rd, Cedar Grove	NJ
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Unit Process Assemblies, Inc	61 E. 4th St, New York 3	NY

INDICATORS –*DENSITY* See **DENSITOMETERS**

INDICATORS –*DEW-POINT*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Foxboro Co., The	Foxboro	Mass
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pittsburgh Lectrodryer Div., McGraw-Edison Co	300-32 St, Pittsburgh 30	Pa
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Weighing & Control Components, Inc	Ind'l Park, E. County Line Rd, Hatboro	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

INDICATORS –*DIELECTRIC-CONSTANT* See **TESTERS** –*CAPACITOR*

INDICATORS –*DIGITAL*
1. LAMP-TYPE 2. MOVING SCALE OR DIAL 3. TUBE-TYPE

Aldis Brothers Ltd., 1	80 Shore Rd, Port Washington	NJ
AMP, INC., 1, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
AMPEREX ELECTRONIC CORP., 3, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
Baldwin-Lima Hamilton Corp., 2	42 Fourth Ave, Waltham 54	Mass
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 2, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
Burroughs Corp Electronic Tube Div., 1-3	P. O. Box 1226, Plainfield	NJ
CBC ELECTRONICS CO., INC., 1, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C&K Components, Inc., 1	101-103 Morse St, Newton 58	Mass
CIRCON COMPONENT CORP., 1, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Coleman Electronics, Inc., 1	133 E. 162nd St, Gardena	Cal
Computer Measurements Corp., 1	5528 Vineland Ave, North Hollywood	Cal
Control Switch Div., Controls Co of America, 1	4218 W. Lake St, Chicago 24	Ill
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Data Technology, Inc., 3	1122 E. San Mateo S.E., Albuquerque	NM
DIALIGHT CORP., 1, Adv Pg 563	**60 Stewart Ave, Brooklyn 37**	**NY**
Digitran Co., 2	660 S. Arroyo Pkwy, Pasadena	Cal
DYMEC, DIV., HEWLETT-PACKARD CO., 1, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Eldema Corp., 1-2	1805 Belcroft Ave, El Monte	Cal
ELECTRIC REGULATOR CORP., 1, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electric Tachometer Corp., 2	68 & Upland Sts, Philadelphia	Pa
Electro Instruments, Inc., 1	3540 Aero Ct, San Diego	Cal
Electronic Computer Co., Inc., 1	618 Maple St, Conshohocken	Pa
Electronic Counters, Inc	155 Eileen Way, Syosset	NY
Elomag Sprl, 2	2 Avenue Wellington, Brussels, Belgium	
Engineered Electronics Co., 1	1441 E. Chestnut Ave, Santa Ana	Cal
Erie-Pacific Div of Erie Resistor Corp., 1-3	12932 S. Weber Way, Hawthorne	Cal
ESCOTRONICS, 2, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Fordham Mfg. Co., 1	2222 Pearsall Ave, Bronx	NY
General Plastics Corp., 2	P.O. Box 1689, Paterson	NJ
Genesys Corp., Sub, Chance Vought, 1	10131 National Blvd, Los Angeles 34	Cal
HEWLETT-PACKARD CO., 1, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Huyck Systems Co., 1-2	360 Wolf Hill Rd, Huntington Sta	NY
I.D.E.A., Inc., 1	7900 Pendleton Pike, Indianapolis 26	Ind
I-L-S Instrument Div., Meriam Instrument Co., 1	4525 W. 160th St, Cleveland 35	Ohio
INDUSTRIAL ELECTRONIC ENGINEERS, INC., 1, Adv Pg 560	**5528 Vineland Ave, North Hollywood**	**Cal**
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
International Business Machines Corp., 3	590 Madison Ave, New York 22	NY
Isotope Developments, Ltd., 3	Beenham Grange, Reading, Berks, England	
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kraus Electronics, Inc., 1-3	1405 University Ave, Palo Alto	Cal
Land-Air, Inc., 1	7444 W. Wilson Ave, Chicago 31	Ill
Leetronics, Inc., 2	30 Main St, Brooklyn	NY
Litton Industries, Electronic Equipments Div., 2	336 N. Foothill Rd, Beverly Hills	Cal
Marco Industries Co., 1	207 S. Helena St, Anaheim	Cal
Marquardt Corp., Pomona Div., 3	2709 N. Garey Ave, Pomona	Cal
Melpar, Inc., 1	3000 Arlington Blvd, Falls Church	Va
Milgo Electronic Corp., 1	7620 N.W. 36th Ave, Miami 47	Fla
Milman Engineering Co., Inc., 1	1831 Pontius Ave, Los Angeles 25	Cal
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB., 2, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
NAVIGATION COMPUTER CORP., 1, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
NON-LINEAR SYSTEMS, INC., 1, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
NORTH ATLANTIC INDUSTRIES, INC., 2, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
NORTHEASTERN ENGINEERING, INC., 1-3, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Partrick & Wilkins Co., 1	53 N. Seventh St, Philadelphia	Pa
Patwin, Div., Patent Button Co., 2	41 Brown St, Waterbury 20	Conn
Pendar, Inc., 1	14744 Armita St, Van Nuys	Cal
Penn Keystone Corp., 2	P.O. Box 350, Hawkins St, Derby	Conn
Performance Measurements Co., 1-2-3	15120 Third Ave, Detroit 3	Mich
Racal Engineering, Ltd., 1-3	Western Rd, Bracknell, Berks, England	
Rahm Instruments Div., American Machine & Metals, Inc., 2	65 Rushmore St, Westbury	NY
Ransom Research, Inc., 1	374 W. 8th St, Box 269, San Pedro	Cal
ROTARY DEVICES CORP., 1, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Servomechanisms, Inc., 2	12500 Aviation Blvd, Hawthorne	Cal
Signalite, Inc., 1	37-41 Neptune Hwy, Neptune	NJ
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Standard Telephones & Cables, Ltd., 3	63 Aldwych, London W. C. 2	England
Streeter-Amet Co., 2	Graystake	Ill
Sylvania Photolamp & Special Products, 1	60 Boston St, Salem	Mass
TELECHROME MFG. CORP., 1, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Transistor Electronics Corp., 1	3357 Republic Ave, Minneapolis 26	Minn
Tullamore Electronics Corp., 3	6055 S. Ashland Ave, Chicago 36	Ill
U.S. Gauge Div., Amer-Mach & Metals, Inc., 2	Sellersville	Pa
Walkirt Co., 1	141 W. Hazel St, Inglewood 3	Cal
WESTINGHOUSE ELECTRIC CORP., 1, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 1	Bloomfield	NJ

INDICATORS –*FILM-THICKNESS* See **INDICATORS** –*THICKNESS*

INDICATORS –*FLUID-FLOW*

Acme Industrial Co	202 N. Laffin St, Chicago	Ill

B & H Instrument Co.	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
BECKMAN/BERKELEY DIV., Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dietz Co., Inc., Henry G.	12-16 Astoria Blvd, Long Island City 2	NY
Ellison Draft Gage Co., Inc	546 W. Monroe St, Chicago	Ill
Erie-Pacific Div of Erie Resistor Corp	12932 S. Weber Way, Hawthorne	Cal
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Farrall Instrument Co	Box 658, Grand Island	Neb
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Flow Measurements Corp	10506 Wheatley St, Kensington	Md
Foxboro Co., The	Foxboro	Mass
GPE Controls, Inc	240 E. Ontario St, Chicago 11	Ill
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Huyck Systems Co.	360 Wolf Hill Rd, Huntington Sta	NY
Lumen, Inc	P.O. Box 905, Joliet	Ill
Matheson Co., Inc	2909 Highland Ave, Norwood	Ohio
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
National Instrument Labs., Inc	826 Everts St N.E., Washington	DC
Olympic Radio & Television Co., Div of the Siegler Corp	34-01 38 Ave, Long Island City	NY
Oster Mfg. Co., John, Avionics Div	1 N. Main St, Racine	Wisc
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pioneer-Central Div., Bendix Aviation Corp	Davenport	Iowa
Potter Aeronautical Corp	Rt 22, Union	NJ
Revere Corp of America Sub., Neptune Meter Co	Wallingford 2	Conn
Servomechanisms, Inc.	12500 Aviation Blvd, Hawthorne	Cal
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Stanley Aviation Corp.	2501 Dallas St, Denver 8	Colo
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
United Sensor & Control Corp	Glastonbury	Conn
Wallace & Tiernan, Inc.	25 Main St, Belleville 9	NJ
Waugh Engineering Co	7842 Burnet Ave, Van Nuys	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*FREQUENCY* See METERS —*FREQUENCY*

INDICATORS —*HARDNESS*

American Chain & Cable Co., Inc	601 Stephenson Bldg, Detroit 2	Mich
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio

INDICATORS —*HUMIDITY, ELECTRONIC*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
COSMIC INSTRUMENTS, INC., Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
Foxboro Co., The	Foxboro	Mass
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Lumen, Inc	P.O. Box 905, Joliet	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Moeller Instrument Co., Electronics Div	132nd St & 89th Ave, Richmond Hill 18	NY
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Parks Lab., Henry F.	Box 1665, Lake City Sta, Seattle	Wash
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pimex, Inc	18 E. 60th St, New York 22	NY
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*ICING*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Canadian Applied Research Ltd	750 Lawrence Ave, W., Toronto 19, Canada	
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

INDICATORS —*ILLUMINATION* See METERS —*LIGHT*

INDICATORS —*LEVEL*

1. DRY MATERIALS 2. LIQUIDS

Aircraft Instruments Co., 2	King of Prussia Rd at Montgomery Ln, Radnor	Pa
Automatic Timing & Controls, Inc., 1-2	King of Prussia	Pa
Automation Products, Inc., 1-2	3030 Max Roy St, Houston 24	Tex
Aviation Electric, Ltd., 2	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avien Corp., 2	58-15 Northern Blvd, Woodside 77	NY
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
Breeze Corps., Inc., 2	700 Liberty Ave, Union	NJ
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Digitran Co., 2	660 S. Arroyo Pkwy, Pasadena	Cal
Electron-Radar Products, 1-2	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp., 2	1573 E. Forest St, Detroit 7	Mich
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Ford Instrument Co., Div., Sperry Rand Corp., 2	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The, 1-2	Foxboro	Mass
General Ultrasonics Co., 2	67 Mulberry St, Hartford 3	Conn
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
Hagan Chemicals & Controls, Inc., 2	Hagan Center, Pittsburgh 30	Pa
Hickok Electrical Instrument Co., 2	10514 Dupont, Cleveland 8	Ohio
Industrial Instruments, Inc., 1	89 Commerce Rd, Cedar Grove	NJ
Industrial Nucleonics Corp., 1-2	650 Ackerman Rd, Columbus 2	Ohio
Instrol, Inc., 2	135 E. Dela Guerra, Santa Barbara	Cal
Isotope Developments, Ltd., 1-2	Beenham Grange, Reading, Berks, England	
Leupold & Stevens Instruments, Inc., 2	4443 N.E. Gilsan, Portland	Ore
Liquidometer Corp., 2	41-03 36th St, Long Island City 1	NY
Lumenite Electric Co., 2	407 S. Dearborn St, Chicago 5	Ill
MAGNETIC INSTRUMENT CO., INC., 1-2, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Minn-Honeywell, Aeronautical Div., 2	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Missile Equipment Div., 2	Queen & S. Bailey, Pottstown	Pa
NARDA ULTRASONICS CORP., 2, Adv Pg 466	**625 Main, Westbury**	**NY**
Photobell Co., Inc., 1-2	43 Vesey St, New York 7	NY
Rahm Instruments Div., American Machine & Metals, Inc., 2	65 Rushmore St, Westbury	NY
Revere Corp of America Sub., Neptune Meter Co., 2	Wallingford 2	Conn
Security Controls, Inc., 1-2	503 Franklin St, Buffalo	NY
Servomechanisms, Inc., 2	12500 Aviation Blvd, Hawthorne	Cal
Simmonds Aerocessories, Inc., 2	105 White Plains Rd, Tarrytown	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
Thermovolt Instruments, Ltd., 2	70 Advance Rd, Toronto 18, Ontario, Canada	
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Trans-Sonics, Inc., 2	Dept. 5, Burlington	Mass
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
Warrick Co., Charles F., 2	1964 Will Mile Rd, Berkley	Mich
Wayne Kerr Corp., 1-2	1633 Race St, Philadelphia 3	Pa
Wells Industries Corp., 1-2	6880 Troost Ave, North Hollywood	Cal

INDICATORS —*MISS-DISTANCE, ELECTRONIC*

Aircraft Armaments, Inc	Cockeysville	Md
American Bosch Arma Corp.	320 Fulton Ave, Hempstead	NY
Designers for Industry	4241 Fulton Pkwy, Celeveland 9	Ohio
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Huyck Systems Co.	360 Wolf Hill Rd, Huntington Sta	NY
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
International Electronics Labs., GMBH	Lottestr. 52, Hamburg, Lokstedt, Germany	
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
PARSONS CO., RALPH M., ELECTRONICS DIV., Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Security Controls, Inc.	503 Franklin St, Buffalo	NY
Stanley Aviation Corp.	2501 Dallas St, Denver 8	Colo
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal

INDICATORS —*MOISTURE, ELECTRONIC*

Abrams Instrument Corp	606 E. Shiawassee, Lansing	Mich
City Chemical Corp.	132 W. 22nd St, New York 11	NY
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Delmhorst Instrument Co	601 Cedar St, Boonton	NJ
Delsen Corp	719 W. Broadway, Glendale 4	Cal
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Foxboro Co., The	Foxboro	Mass
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Moeller Instrument Co., Electronics Div	132nd St & 89th Ave, Richmond Hill 18	NY
Moisture Register Co	1510 W. Chestnut St, Alhambra	Cal
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Parks Lab., Henry F.	Box 1665, Lake City Sta, Seattle	Wash
Strandberg Engineering Labs., Inc	416 W. Market S., Greensboro	NC
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

INDICATORS —*NOISE-FIGURE*

AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
METRONIX, INC., Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**

INDICATORS —*NULL*

1. A-F 2. D-C 3. POTENTIOMETER-TYPE, BALANCING 4. R-F 5. VTVM (ELECTRONIC)

Advance Instrument Corp., 3	1109 Sixth Ave, Neptune	NJ
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Anadex Instruments, Inc., 3	14734 Arminta St, Van Nuys	Cal
Automation Industries, Inc., 3	3613 Aviation Blvd, Manhattan Beach	Cal
B & H Instrument Co., 3	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Baldwin-Lima Hamilton Corp., 3	42 Fourth Ave, Waltham 54	Mass
BALLANTINE LABORATORIES, INC., 1-5, Adv Pg 59	**Boonton**	**NJ**
Barnes Development Co., 2	213 W. Baltimore Pike, Lansdowne	Pa
Belleville-Hexem Corp., 2-5	638 University Ave, Los Gatos	Cal
Bristol Co., 3	P.O. Box 1790EBG, Waterbury 20	Conn
Bruel & Kjaer, 5	Lindealle 23, Naerum, Denmark	
Bytrex Corp., 3	50 Hunt St, Newton	Mass
Calibration Standards Corp., 2-3	1130 W. Fifth Ave, Pomona	Cal
Consolidated Airborne Systems, 2-3	900 3rd Ave, New Hyde Park	NY
Data Technology, Inc., 3	1122 E. San Mateo S.E., Albuquerque	NM
Demolab Corp., 5	1550 N. Highland Ave, Hollywood	Cal
Donner Scientific Co., 5	888 Galindo St, Concord	Cal
DYNATRAN ELECTRONICS CORP., 2, Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
ELECTRIC REGULATOR CORP., 3, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO SCIENTIFIC INDUSTRIES INC., 2-4, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Applications, Inc., 1-4-5	194 Richmond Hill Ave, Stamford	Conn
Evershed & Vignoles Ltd., 2	Chiswick, London W. 4, England	
FXR, INC., 4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**

Federal Pacific Electric Co.,(Fifty Ave L, Inc)., 2	Fifty Ave L, Newark 1	NJ
Fluke Mfg. Co., Inc., John, 2-3-5	P.O. Box 7161, Seattle 33	Wash
FREED TRANSFORMER CO., INC., 5, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL COMMUNICATION CO., 4, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL METERS, INC., 1-2, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 1-4-5, Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc., 1-5	3211 S. La Cienega, Los Angeles 16	Cal
Gilmore Industries, Inc., 3	13015 Woodland Ave, Cleveland 20	Ohio
Gyra Electronics Corp., 5	P.O. Box 184, La Grange	Ill
Halex, Inc., 5	310 E. Imperial Hwy, El Segundo	Cal
Hallamore Electronics Co., 3	714 N. Brookhurst Ave, Anaheim	Cal
Hickok Electrical Instrument Co., 5	10514 Dupont, Cleveland 8	Ohio
HOYT ELECTRICAL INSTRUMENT WKS., INC., 2, Adv Pg 534	**42 Carleton St, Cambridge 42**	**Mass**
Huyck Systems Co., 3	360 Wolf Hill Rd, Huntington Sta	NY
Industrial Control Co., 2-8-5	Central at Pinelawn, Farmingdale	NY
Industrial Instruments, Inc., 3	89 Commerce Rd, Cedar Grove	NJ
INDUSTRIAL TEST EQUIPMENT CO., 1-5, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrol, Inc., 1-3	135 E. Dela Guerra, Santa Barbara	Cal
J-B-T INSTRUMENTS, INC., 2, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
Keithley Instruments, Inc., 2-5	12415 Euclid Ave, Cleveland 6	Ohio
KIN TEL DIV., COHU ELECTRONICS, 2, Adv. Pgs. 430, 431	**5725 Kearny Ville Rd, San Diego 12**	**Cal**
Kyoritsu Electrical Instruments Works, Ltd., 3-5	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Leeds & Northrup Co., 2-3	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., 3, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Marion Instrument Div., Minneapolis-Honeywell Regulator Co., 2	Grenier Field, Manchester	NH
Meters, Inc., 2	5353 N. Keystone Ave, Indianapolis 20	Ind
METRONIX, INC., 5, Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
Millitest Co., 2	88 Madison Ave, Hempstead	NY
Minn-Honeywell, Aeronautical Div., 2-3	2600 Ridgway Rd, Minneapolis 13	Minn
MINN-HONEYWELL, BOSTON DIV., 2, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Minn-Honeywell, Industrial Div., 2-3	Wayne & Windrim, Philadelphia 44	Pa
MOSELEY CO., F. L., 3, Adv. Pgs. 354,355	**409 N. Fair Oaks, Pasadena**	**Cal**
Muirhead & Co., Ltd., 1	Beckenham, Kent, England	
Newport Scientific Co., 3	638 W. 17th St, Costa Mesa	Cal
NORTH ATLANTIC INDUSTRIES, INC., 1-2-3, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Pennsylvania Testing Lab., Inc., 1	Doylestown	Pa
Performance Measurements Co., 3-5	15120 Third Ave, Detroit 3	Mich
Phaostron Instrument & Electronic Co	151 Pasadena Ave, South Pasadena	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., 2, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philips' Gloeilampenfabrieken, N.V., 2-3	Eindhoven, Netherlands	
Pimex, Inc., 3	18 E. 60th St, New York 22	NY
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 5, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Rahm Instruments Div., American Machine & Metals, Inc., 3	65 Rushmore St, Westbury	NY
RAWSON ELECTRICAL INSTRUMENT CO., 4, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Research Industrial Labs of Electronics, 2-5	Roslyn	Pa
S-E Laboratories Ltd., 1	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Scott, Inc., H.H., 1-5	111 Powder Mill Rd, Maynard	Mass
Servo Development Corp., 3	567 Main St, Westbury	NY
SHALLCROSS MFG. CO., 2-3, Adv Pg 148	**Selma**	**NC**
Simpson Electric Co., Div., American Gage & Machine Co., 2	5218 W. Kinzie St, Chicago 44	Ill
Smith-Florence, Inc., 2-3-5	4228 23rd W., Seattle	Wash
Solartron, Inc., 1-5	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co., 5	10201 Westheimer Rd, Houston 19	Tex
Specialties, Inc., 2-3	Skunks Misery Rd, Syosset	NY
Sperry Piedmont Div., Sperry Rand Corp., 1	Rt. 29, Charlottesville	Va
Streeter-Amet Co., 3	Grayslake	Ill
Thwing-Albert Instrument Co., 3	5351 Pulaski Ave, Philadelphia 44	Pa
Trepac Corp of America, 2	30 W. Hamilton Ave, Englewood	NJ
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Voltron Products, 2	1020 S. Arroyo Pkwy, Pasadena	Cal
WEINSCHEL ENGINEERING CO., INC., 1-4, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
West Instrument Corp., 3	4363 W. Montrose, Chicago 41	Ill
Westronics, Inc., 3	3605 McCart St, Ft. Worth	Tex

INDICATORS —*NUMERICAL DISPLAY See* INDICATORS —*DIGITAL*
INDICATORS —*OCEAN-DEPTH See* DEPTH SOUNDERS

INDICATORS —*OXYGEN*

AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Ellison Draft Gage Co., Inc.	546 W. Monroe St, Chicago	Ill
Engelhard Industries, Inc.	113 Astor St, Newark 2	NJ
Liquidometer Corp.	41-03 36th St, Long Island City 1	NY
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*pH*

Analytical Measurements, Inc	585 Main St, Chatham	NJ
Assembly Products, Inc.	75 Wilson Mills Rd, Chesterland 6	Ohio
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
City Chemical Corp.	132 W. 22nd St, New York 11	NY
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Matheson Coleman & Bell	2909 Highland Ave, Norwood	Ohio
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Photovolt Corp	95 Madison Ave, New York 16	NY
Pimex, Inc	18 E. 60th St, New York 22	NY
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Sel-Rex Corp	75 River Rd, Nutley 10	NJ
Wallace & Tiernan, Inc.	25 Main St, Belleville 9	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*PHASE-SEQUENCE*

AD-YU ELECTRONICS LAB., INC., Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
ASSOCIATED RESEARCH, INC., Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
Brunswick Instruments	P.O. Box 813, New Brunswick	NJ
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Dytronics	P.O. Box 3676, Columbus 14	Ohio
Eastern Specialty Co	Philadelphia 40	Pa
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
INDUSTRIAL TEST EQUIPMENT CO., Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Knopp, Inc	1307 66 St, Oakland 8	Cal
Master Specialties Co	956 E. 108th St, Los Angeles 59	Cal
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Sperry Piedmont Div., Sperry Rand Corp	Rt. 29, Charlottesville	Va
STICHT CO., INC., HERMAN H., Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wintronics	213 S. Hawthorne Blvd, Hawthorne	Cal

INDICATORS —*PHOTOGRAPHIC-EXPOSURE See* METERS —*LIGHT*

INDICATORS —*POSITIONING*

Advance Instrument Corp.	1109 Sixth Ave, Neptune	NJ
AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircraft Instruments Co	King of Prussia Rd at Montgomery Ln, Radnor	Pa
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Automation Industries, Inc.	3613 Aviation Blvd, Manhattan Beach	Cal
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
Boonshaft & Fuchs, Inc.	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
Control Equipment Corp.	19 Kearney Rd, Needham Heights 94	Mass
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Daytronic Corp.	223-227 S. Jefferson St, Dayton	Ohio
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electro Products Labs, Inc., Transducer Div.	4501 N. Ravenswood, Chicago 40	Ill
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The	Foxboro	Mass
Friez Instrument Div., Bendix Aviation Corp	1400 Taylor Ave, Baltimore 4	Md
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Huyck Systems Co.	360 Wolf Hill Rd, Huntington Sta	NY
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Leetronics, Inc	30 Main St, Brooklyn	NY
Liquidometer Corp.	41-03 36th St, Long Island City 1	NY
Lumen, Inc	P.O. Box 905, Joliet	Ill
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
PSP ENGINEERING CO., DIV., IMC, Adv Pg 383	**8608 Otis St, South Gate**	**Cal**
Penn Keystone Corp	P.O. Box 350, Hawkins St, Derby	Conn
Precision Mechanisms Corp.	577 Newbridge Ave, East Meadow	NY
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
Servo Development Corp.	567 Main St, Westbury	NY
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Sperry Piedmont Div., Sperry Rand Corp	Rt. 29, Charlottesville	Va
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Topp Industries, Inc.	5221 W. 102 St, Los Angeles 45	Cal
Union Switch & Signal Div., Westinghouse Air Brake Co.	Pittsburgh 18	Pa
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*POWER-FACTOR See* METERS —*POWER-FACTOR*
INDICATORS —*POWER-LEVEL See* METERS —*POWER-LEVEL*

INDICATORS —*PRESSURE (COMPLETE INSTRUMENTS) See Also* GAGES — *STYLUS PRESSURE*

Aero Mechanism Inc	13918 Saticoy St, Van Nuys	Cal
Aero Research Instrument Co	315 N. Aberdeen St, Chicago 7	Ill
Aircraft Instruments Co	King of Prussia Rd at Montgomery Ln, Radnor	Pa
American Chain & Cable Co., Inc	601 Stephenson Bldg, Detroit 2	Mich
Amthor Testing Instrument Co	45A-53 Van Sinderen, Brooklyn 7	NY
Automatic Timing & Controls, Inc	King of Prussia	Pa
Automation Industries, Inc.	3613 Aviation Blvd, Manhattan Beach	Cal
B & H Instrument Co.	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass

Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
Bytrex Corp	50 Hunt St, Newton	Mass
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
COMPUTER INSTRUMENTS CORP., Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp.	360 N. Sierra Madre Villa, Pasadena	Cal
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566.	**5440 N. Peck Rd, El Monte**	**Cal**
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Dwyer Mfg. Co., F.W.	P.O. Box 373, Michigan City	Ind
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Ellison Draft Gage Co., Inc.	546 W. Monroe St, Chicago	Ill
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Friez Instrument Div., Bendix Aviation Corp	1400 Taylor Ave, Baltimore 4	Md
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hastings-Raydist, Inc	Hampton 9	Va
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kistler Instrument Corp	15 Webster St, North Tonawanda	NY
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Performance Measurements Co	15120 third Ave, Detroit 3	Mich
Photocon Research Products	421 N. Altadena Dr, Pasadena	Cal
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Southern Instruments, Ltd	Frimley Rd, Camberley, Surrey, England	
Taber Instrument Corp	107 Goundry St, North Tonawanda	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Wallace & Tiernan, Inc.	25 Main St, Belleville 9	NJ
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Westronics, Inc.	3605 McCart St, Ft. Worth	Tex
Wiancko Engineering Co.	255 N. Halstead, Pasadena	Cal

INDICATORS —*PROXIMITY*

Automatic Timing & Controls, Inc	King of Prussia	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Electro Products Labs, Inc., Transducer Div.	4501 N. Ravenswood, Chicago 40	Ill
International Electronics Labs., GMBH.	Lottestr. 52, Hamburg, Lokstedt, Germany	
PARSONS CO., RALPH M., ELECTRONICS DIV., Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Photocon Research Products	421 N. Altadena Dr, Pasadena	Cal
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
Wintronics	213 S. Hawthorne Blvd, Hawthorne	Cal

INDICATORS —*PULSE-RISE-TIME*

Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Streeter-Amet Co.	Grayslake	Ill
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal

INDICATORS —*RADIATION* See COUNTERS —*NUCLEAR-PARTICLE: DOSIMETERS*
INDICATORS —*R-F PROBE* See DETECTORS —*STANDING-WAVE*
INDICATORS —*R-F WAVEFORM* See OSCILLOSCOPES
INDICATORS —*RUNNING TIME* See TIMERS —*MOTOR-OPERATED RUNNING TIME*

INDICATORS —*SHORTED-TURN*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
KARTON, INC., Adv Pg 566	**Box 472, Huntington Beach**	**Cal**
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

INDICATORS —*SMOKE & COMBUSTION, ELECTRONIC*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Electron-Radar Products	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Control Corp	1573 E. Forest St, Detroit 7	Mich
Engelhard Industries, Inc.	113 Astor St, Newark 2	NJ
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Photomation, Inc	96 S. Washington Ave, Bergenfield	NJ
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

INDICATORS —*SOUND-LEVEL* See METERS —*SOUND*

INDICATORS —*SPECIFIC-GRAVITY*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Dwyer Mfg. Co., F.W.	P.O. Box 373, Michigan City	Ind
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Impact-O-Graph Corp., The	1900 Euclid Ave, Cleveland 15	Ohio
Industrial Nucleonics Corp	650 Ackerman Rd, Columbus 2	Ohio
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Liquidometer Corp.	41-03 36th St, Long Island City 1	NY
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Potter Aeronautical Corp	Rt 22, Union	NJ
Precision Thermometer & Instrument Co	1432 Brandywine St, Philadelphia	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

INDICATORS —*STRAIN (COMPLETE INSTRUMENT)*

Automatic Timing & Controls, Inc	King of Prussia	Pa
Automation Industries, Inc.	3613 Aviation Blvd, Manhattan Beach	Cal
B & F Instruments, Inc	3644 N. Lawrence St, Philadelphia 40	Pa
B & K Instruments, Inc.	3018 W. 106th St, Cleveland 11	Ohio
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Bytrex Corp	50 Hunt St, Newton	Mass
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566.	**5440 N. Peck Rd, El Monte**	**Cal**
Data Technology, Inc	1122 E. San Mateo S.E., Albuquerque	NM
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Ellis Associates	Box 77, Pelham	NY
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Foxboro Co., The	Foxboro	Mass
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
Lumen, Inc	P.O. Box 905, Joliet	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
OWEN LABORATORIES, INC., Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Polyphase Instrument Co	E. Fourth St, Bridgeport	Pa
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Smith-Florence, Inc	4228 23rd W., Seattle	Wash
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Streeter-Amet Co.	Grayslake	Ill
Thwing-Albert Instrument Co	5351 Pulaski Ave, Philadelphia 44	Pa
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*SURFACE-ROUGHNESS*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Cleveland Instrument Co	6220 E. Schaaf Rd, Cleveland 31	Ohio
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Micrometrical Mfg. Co.	P.O. Box 1067, Ann Arbor	Mich
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ

INDICATORS —*TEMPERATURE*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Aero Research Instrument Co	315 N. Aberdeen St, Chicago 7	Ill
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Assembly Products, Inc.	75 Wilson Mills Rd, Chesterland 6	Ohio
Automation Industries, Inc.	3613 Aviation Blvd, Manhattan Beach	Cal
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
B & H Instrument Co.	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Beckman & Whitley, Inc.	913 San Carlos Ave, San Carlos	Cal
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
Bytrex Corp	50 Hunt St, Newton	Mass
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566.	**5440 N. Peck Rd, El Monte**	**Cal**
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75.	**Princeton**	**NJ**
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electronic Control Corp	1573 E. Forest St, Detroit 7	Mich
Electronic Processes Corp of California	436 Bryant St, San Francisco 7	Cal
Electrowest, Ind	2351 Albatross Way, Sacramento 15	Cal
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fenwal, Inc	Pleasant St, Ashland	Mass
Foxboro Co., The	Foxboro	Mass
General Controls Co	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hesco Engineering Co	322 E. Beach Ave, Inglewood 3	Cal
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
Illinois Testing Labs., Inc	420 N. LaSalle St, Chicago 10	Ill
J-B-T INSTRUMENTS, INC., Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Larson Instrument Co	24 Orchard St, Tarrytown	NY
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Lumen, Inc	P.O. Box 905, Joliet	Ill
MAGNETIC INSTRUMENT CO., INC., Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Marion Instrument Div., Minneapolis-Honeywell Regulator Co	Grenier Field, Manchester	NH
Meters, Inc	5353 N. Keystone Ave, Indianapolis 20	Ind
Minco Products, Inc	740 Washington Ave, N., Minneapolis 1	Minn
Minn-Honeywell, Aeronautical Div.	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**

Parks Lab., Henry F.	Box 1665, Lake City Sta, Seattle	Wash
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Piezo Products Co	Whitney St, Sherborn	Mass
Pimex, Inc	18 E. 60th St, New York 22	NY
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ
Radiation Electronics Co., Div., Comptometer Corp	5600 W. Jarvis, Chicago 48	Ill
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Royco Instruments, Inc	365 San Antonio Rd, Mountain View	Cal
Ruge Associates, Inc., Arthur C.	Hudson	NH
SHAW INSTRUMENT CORP., Adv Pg 527	**P.O. Box G-46, Latrobe**	**Pa**
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Smith Mfg. Co., Inc., E.C.	Forrest & Hector Sts, Conshohocken	Pa
Taber Instrument Corp	107 Gouncry St, North Tonawanda	NY
Thermo Electric Co.	Rochelle Park P.O., Saddle Brook	NJ
Thermo Electric Mfg. Co	465 Huff St, Dubuque	Iowa
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Thwing-Albert Instrument Co	5351 Pulaski Ave, Philadelphia 44	Pa
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
United Electric Controls Co	85 School St, Watertown 72	Mass
Victory Engineering Corp	101 Springfield Rd, Union	NJ
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Westronics, Inc	3605 McCart St, Ft Worth	Tex
Wiegand Co., Edwin L.	7606 Thomas Blvd, Pittsburgh 8	Pa

INDICATORS —*THICKNESS See Also* GAGES *BETA:* GAGES —*THICKNESS:* ULTRASONIC EQUIPMENT

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Amthor Testing Instrument Co	45A-53 Van Sinderen, Brooklyn 7	NY
Automatic Timing & Controls, Inc	King of Prussia	Pa
Branson Instruments, Inc	1 Brown House Rd, Stamford	Conn
Cleveland Instrument Co	6220 E. Schaaf Rd, Cleveland 31	Ohio
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Delsen Corp	719 W. Broadway, Glendale 4	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Dice Co., J.W.	Englewood	NJ
Djeco, Div., Djordjevic Engrg Co.	1933 N. Damen, Chicago 47	Ill
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Industrial Nucleonics Corp	650 Ackerman Rd, Columbus 2	Ohio
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Starrett Co., L.S	165 Crescent St, Athol	Mass
Stone Laboratories Inc	1312 Tremont St, Boston 20	Mass
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Unit Process Assemblies, Inc	61 E. 4th St, New York 3	NY
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*TIMING See Also* CHRONOSCOPES *(TIME INTERVAL INDICATORS)*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Automatic Timing & Controls, Inc	King of Prussia	Pa
Chrono-Log Corp	P.O. Box 4587, Philadelphia 31	Pa
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Electro Products Labs, Inc., Transducer Div.	4501 N. Ravenswood, Chicago 40	Ill
Electronic Counters, Inc	155 Eileen Way, Syosset	NY
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Federal Pacific Electric Co., (Fifty Ave L, Inc).	Fifty Ave L, Newark 1	NJ
General Controls Co	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Haydon Co., A.W., The	238 N. Elm St, Waterbury	Conn
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Ransom Research, Inc	374 W. 8th St, Box 269, San Pedro	Cal
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash

INDICATORS —*TORQUE*

AUTOTRONICS, INC., Adv Pg 439	**P.O. Box 208, Florissant**	**Mo**
B & F Instruments, Inc	3644 N. Lawrence St, Philadelphia 40	Pa
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
Bergen Labs., Inc	60 Spruce St, Paterson	NJ
Bytrex Corp	50 Hunt St, Newton	Mass
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Dillon & Co., Inc., W.C.	14620 Keswick St, Van Nuys	Cal
Dynamics Research Corp	38 Montvale Ave, Stoneham	Mass
Electronic Control Corp	1573 E. Forest St, Detroit 7	Mich
FALCON MACHINE & TOOL CO., Adv Pg 520	**207 Concord Trnpk, Cambridge**	**Mass**
Foxboro Co., The	Foxboro	Mass
Friez Instrument Div., Bendix Aviation Corp	1400 Taylor Ave, Baltimore 4	Md
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pitometer Log Corp	237 Lafayette St, New York 12	NY
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex
Wiancko Engineering Co	255 N. Halstead, Pasadena	Cal

INDICATORS —*TURBIDITY*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Foxboro Co., The	Foxboro	Mass
Phoenix Precision Instrument Co	3605 N. Fifth St, Philadelphia	Pa
Photobell Co., Inc	43 Vesey St, New York 7	NY
Photomation, Inc	96 S. Washington Ave, Bergenfield	NJ
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

INDICATORS —*VACUUM (COMPLETE INSTRUMENT) See Also* GAGES — *VACUUM*

Aero Mechanism Inc	13918 Saticoy St, Van Nuys	Cal
Amthor Testing Instrument Co	45A-53 Van Sinderen, Brooklyn 7	NY
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bristol Co	P.O. Box 1790FBG, Waterbury 20	Conn
Burton Instruments, Div Burton Mfg	2520 Colorado Ave, Santa Monica	Cal
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
Central Scientific Co	**1700 Irving Park Rd, Chicago 13**	**Ill**
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
COSMIC INSTRUMENTS, INC., Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
Electronic Research Labs	85 Surry St, Brighton 35	Mass
Ellison Draft Gage Co., Inc	546 W. Monroe St, Chicago	Ill
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Friez Instrument Div., Bendix Aviation Corp	1400 Taylor Ave, Baltimore 4	Md
General Controls Co	801 Allen Ave, Glendale 1	Cal
Hastings-Raydist, Inc	Hampton 9	Va
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc	2 Churchill Rd, Hingham 1	Mass
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Hull Corp	Davisville Rd, Hatboro	Pa
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
Kistler Instrument Corp	15 Webster St, North Tonawanda	NY
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Precision Thermometer & Instrument Co	1432 Brandywine St, Philadelphia	Pa
Research Industrial Labs of Electronics	Roslyn	Pa
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*VIBRATION*

American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Electrowest, Inc	2351 Albatross Way, Sacramento 15	Cal
Epic, Inc	150 Nassau St, New York 38	NY
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
International Research & Development Corp	6150 Huntley Rd, Worthington	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Kistler Instrument Corp	15 Webster St, North Tonawanda	NY
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Tel-Instrument Electronics Corp	728 Garden St, Carlstadt	NJ
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

INDICATORS —*VISCOSITY*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Foxboro Co., The	Foxboro	Mass
Precision Scientific Co	3737 W. Cortland, Chicago 47	Ill
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

INDICATORS —*VOLUME See* METERS —*SOUND-LEVEL:* METERS —*VU*
INDICATORS-VSWR *See* DETECTORS —*STANDING-WAVE*

INDICATORS —*WEIGHT*

Automatic Timing & Controls, Inc	King of Prussia	Pa
B & H Instrument Co	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bytrex Corp	50 Hunt St, Newton	Mass
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
CRESCENT ENGINEERING & RESEARCH CO., Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
Data Technology, Inc	1122 E. San Mateo S.E., Albuquerque	NM
Daytronic Corp	223-227 S. Jefferson St, Dayton	Ohio
Dillon & Co., Inc., W.C.	14620 Keswick St, Van Nuys	Cal
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Erdco Engineering Corp	Addison	Ill
Foxboro Co., The	Foxboro	Mass
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio

INDUSTRIAL ELECTRONIC ENGINEERS, INC., Adv Pg 560	**5528 Vineland Ave, North Hollywood**	**Cal**
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Orbitran Co., Inc	11487 Woodside Ave, Lakeside	Cal
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Streeter-Amet Co.	Grayslake	Ill
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

INDICATORS —*WIND, ELECTRONIC 1. DIRECTION 2. SPEED*

Aeronautical Communication Equipment, Inc., 1-2	3090 S.W. 37 Ave, Miami 33	Fla
Aviation Electric, Ltd., 1-2	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Beckman & Whitley, Inc., 1-2	913 San Carlos Ave, San Carlos	Cal
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
BOWMAR INSTRUMENT CORP., 1, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Cook Technological Center, 1-2	6401 Oakton St, Morton Grove	Ill
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Friez Instrument Div., Bendix Aviation Corp., 1-2	1400 Taylor Ave, Baltimore 4	Md
Giannini Controls Corp., 1-2	1600 S. Mountain Ave, Duarte	Cal
Good Electronic Corp., 2	P.O. Box 2406, W. Palm Beach	Fla
Hastings-Raydist, Inc., 2	Hampton 9	Va
Hoyck Systems Co., 1-2	360 Wolf Hill Rd, Huntington Sta	NY
Kahl Scientific Instrument Corp., 1-2	332 S. Highland, El Cajon	Cal
Natel Engineering Co., Inc., 2	15922 Strathern St, Van Nuys	Cal
Pimex, Inc., 1-2	18 E. 60th St, New York 22	NY
Servomechanisms, Inc., 1-2	12500 Aviation Blvd, Hawthorne	Cal
Specialty Electronics Development Corp., 1-2	Eileen Way, Syosset	NY
Thermovolt Instruments, Ltd., 1-2	70 Advance Rd, Toronto 18, Ontario, Canada	
VARO MFG. CO., INC., 2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Victory Engineering Corp., 2	101 Springfield Rd, Union	NJ
West Coast Research Corp., 1-2	2102 S. Sepulveda Blvd, Los Angeles	Cal
Wiancko Engineering Co., 1	255 N. Halstead, Pasadena	Cal

INDICATOR TUBES See **INDICATORS** —*DIGITAL*

INDIUM

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
ALLIED CHEMICAL CORD., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc	600 Water St, Jersey City	NJ
American Smelting & Refining Co	120 Broadway, New York 5	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Cerro De Pasco Sales Corp	300 Park Ave, New York 22	NY
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
Division Lead Co	7742 W. 61st Pl, Summit	Ill
Indium Corp of America	1676 Lincoln Ave, Utica 4	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY

INDOOR ANTENNAS See **ANTENNAS** —*RADIO RECEIVING:* **ANTENNAS-TV**
INDUCTANCE BOXES See **BOXES** —*DECADE & EIA VALUES*
INDUCTANCE BRIDGES See **BRIDGES**
INDUCTANCE CHECKERS See **TESTERS** — *COIL*
INDUCTANCE COMPARATORS See **COMPARATORS**
INDUCTANCE STANDARDS See **STANDARDS**
INDUCTANCES —*FIXED* See **COILS: TOROIDS**

INDUCTANCES —*MECHANICALLY VARIABLE*

BURNELL & CO., INC., Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
Caddell Burns Mfg. Co., Inc	40 E. 2nd St, Mineola	NY
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
CELCO CONSTANTINE ENGINEERING LABS CO., Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
CHICAGO STANDARD TRANSFORMER CORP., Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Coilcraft, Inc	Cary	Ill
Computer Components, Inc	88-06 Van Wyck Expwy, Jamaica 18	NY
ELECTRONIC COILS, INC., Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Fugle-Miller Laboratories, Inc	301 Central Ave, Clark	NJ
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Grinnel-Harris Electronics	4132 Temple City Blvd, Rosemead	Cal
Johnson Electronics, Inc	P.O. Box 1675, Casselberry	Fla
Magnetic Specialties, Inc	P.O. Box 476, Trenton 3	NJ
National Coil Co	P.O. Box 1237, Sheridan	Wyo
Precision Electronics, Inc	48 Merrick Rd, Rockville Centre	NY
Pulse Engineering, Inc	560 Robert Ave, Santa Clara	Cal
Radio Condenser Co	Camden	NJ
REDMAN ELECTRONICS CORP., Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Sioux Radio Products	100 Douglas Ave, Yankton	SD
Standard Winding Corp	44-62 Johnes St, Newburgh	NY
Vanguard Electronics Co	3384 Motor Ave, Los Angeles 34	Cal
Wirco Electronics, Inc	11680 McBean Dr, El Monte	Cal

INDUCTANCES —*VARIABLE* See *Also* **REACTORS** —*SATURABLE*

All-Tronics, Inc	45 Bond St, Westbury	NY
Bel-Tronics Corp	Industrial Ave, Addison	Ill
BURNELL & CO., INC., Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
C.G.S. Labs., Inc	Rt 7, Wilton	Conn
Caddell Burns Mfg. Co., Inc	40 E. 2nd St, Mineola	NY
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Cared Corp	2850 Bay Rd, Redwood City	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
CHICAGO STANDARD TRANSFORMER CORP., Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Coilcraft, Inc	Cary	Ill
Computer Components, Inc	88-06 Van Wyck Expwy, Jamaica 18	NY
DX Radio Products Co., Inc	2300 Armitage Ave, Chicago 47	Ill
Delevan Electronics Corp	77 Olean Rd, East Aurora	NY
Delta Coils, Inc	1128 Madison Ave, Paterson 3	NJ
Dimion Coil Co., Inc	Caledonia	NY
ELECTRONIC COILS, INC., Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Electronic Organ Arts, Inc	4949 York Blvd, Los Angeles 42	Cal
El-Rad Mfg. Co	4300 N. California Ave, Chicago 18	Ill
ESCOTRONICS, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Fugle-Miller Laboratories, Inc	301 Central Ave, Clark	NJ
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
GRAY & KUHN, Adv Pg 473	**80 Swalm St, Westbury**	**NY**
HI-G, INC., Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Houlihan Co., T.J.	2510 W. Lawrence Ave, Chicago 25	Ill
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
J.F.D. ELECTRONICS CORP., Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Johnson Electronics, Inc	P.O. Box 1675, Casselberry	Fla
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Linell Engineering Corp	3974 N. Avondale, Chicago 41	Ill
MICROTRAN CO., INC., Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Precision Electronics, Inc	48 Merrick Rd, Rockville Centre	NY
Radio Condenser Co	Camden	NJ
REDMAN ELECTRONICS CORP., Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Standard Winding Corp	44-62 Johnes St, Newburgh	NY
Stanwyck Winding Co	137 Walsh Ave, Newburgh	NY
Summit Coil Co	4 Claremont Rd, Bernardsville	NJ
Vanguard Electronics Co	3384 Motor Ave, Los Angeles 34	Cal
VARI-L CO., INC., Adv Pg 330	**P.O. Box 1433, Stamford**	**Conn**
Welch Mfg. Co., Inc., A.W.	509 E. 29th St, Indianapolis	Ind
Whitewater Electronics, Inc	136 W. Main St, Whitewater	Wisc
Wirco Electronics, Inc	11680 McBean Dr, El Monte	Cal

INDUCTION COMMUNICATION SYSTEMS See **COMMUNICATION SYSTEMS**
INDUCTION HEATERS See **HEATERS** —*ELECTRONIC*
INDUCTION-HEATING WORK COILS See **COILS**
INDUCTION POTENTIOMETERS See **SYNCHROS**
INDUCTIVE PAGING RECEIVERS See **RECEIVERS** —*PAGING*
INDUCTORS —See **COILS**
INDUSTRIAL MUSIC SYSTEMS See **MUSIC SYSTEMS**
INDUSTRIAL TV See **TV SYSTEMS**
INERT GASES See **GASES**
INERTIAL GUIDANCE GYROS See **GYROS**
INERTIAL GUIDANCE PLATFORMS See **PLATFORMS**
INERTIAL GUIDANCE SYSTEMS See **GUIDANCE SYSTEMS**
INERTIAL STABILIZERS See **STABILIZERS**

INFRARED DEVICES

1. BOLOMETERS 2. CAMERAS 3. DETECTORS 4. DETECTOR COOLING UNITS 5. FILTERS 6. LAMPS 7. LENSES 8. MODULATORS 9. SOURCES (Incl. BLACK BODIES) 10. SYSTEMS, INDUSTRIAL & COMMERCIAL (EXCEPT OVENS) 11. SYSTEMS, MILITARY (Incl. GUIDANCE & NAVIGATION) 12. SYSTEMS, SCIENTIFIC 13. WINDOWS

AC SPARK PLUG DIV., GENERAL MOTORS, 11, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
ACF Electronics Div., 11	Riverdale	Md
AEROLUX LIGHTS CORP., 6, Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
Airtec, Inc., 1	139 E. First Ave, Roselle	NJ
Alite Div., U.S. Stoneware Co., 13	P.O. Box 119, Orrville	Ohio
American Bosch Arma Corp., 11	320 Fulton Ave, Hempstead	NY
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Autonetics, Div., North Amer. Aviation, Inc., 11	9150 E. Imperial Hwy, Downey	Cal
Avco Corp., Crosley Div., 11	1329 Arlington St, Cincinnati 25	Ohio
Barnes Engineering Co., 1-2-3-5-7-9-10-11-12-13	30 Commerce Rd, Stamford	Conn
Bausch & Lomb, 3-5-7-11-12-13	61461 Bausch St, Rochester 2	NY
Bendix-Pacific Div., Bendix Aviation, 11	11600 Sherman Way, North Hollywood	Cal
Budd Co., 11	2450 Hunting Park Ave, Philadelphia 22	Pa
Budd Lewyt Electronics, Inc., 4-11	43-22 Queens St, Long Island City 1	NY
Chicago Aerial Industries, 2-7	1980 N. Hawthorne, Melrose Park	Ill
Cleveland Metal Specialties Co., 11	1783 East 21st St, Cleveland 14	Ohio
Connecticut Instrument Corp., 13	Route 7, Wilton	Conn
Consolidated Electrodynamics Corp., 7	360 N. Sierra Madre Villa, Pasadena	Cal
Cramer Controls Corp., 3-9-10	P.O. Box 13, Centerbrook	Conn
Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
DeHavilland Aircraft/Spec. Prods. Div., 4-9-10-11-12	Downsview, Ontario, Canada	
Designers for Industry, 11	4241 Fulton Pkwy, Cleveland 9	Ohio
Eagle Electric Mfg. Co., Inc., 6	23-10 Bridge Plaza S., L.I. City	NY
Eastman Kodak Co., 3-5-7-11-13	343 State St, Rochester 4	NY
Edmund Scientific Co., 11	502 E. Gloucester Pike, Barrington	NJ
Electronics Corp of America, 3-10-11-12	1 Memorial Dr, Cambridge 42	Mass
Emerson Electric Mfg. Co., 11	8100 Florissant Ave, St. Louis 36	Mo
Engelhard Industries, Inc., 6	113 Astor St, Newark 2	NJ
Eppley Lab., Inc., 3-5-9	12 Sheffield Ave, Newport	RI
Farrand Optical Co., Inc., 1-3-5-7-11-12-13	Bronx Blvd at 238th St, New York 70	NY
Fecker, Inc., J.W., 7-13	6592 Hamilton Ave, Pittsburgh 6	Pa
Filmohm Corp., 3-5-13	48 W. 25 St, New York 10	NY
Flame Research, Inc., 3-11-12	P.O. Box 10502, Pittsburgh 35	Pa
Foto-Video Electronics, Inc., 2-11-12	36 Commerce Rd, Cedar Grove	NJ
Garrett Corp., The, 4	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Aniline & Film Corp., Ansco Div., 2	Vestal Pkwy E., Binghamton	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 3, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Heavy Military Electronics Dept., 11	Court St, Syracuse	NY
General Electric Co., Lamp Glass Dept, EBG-8, 7	Nela Park, Cleveland 12	Ohio
General Electric Co., Light Military Electronics Dept., 11	French Rd, Utica	NY
General Electric Co., Missile & Space Vehicle Dept., 11-12	3198 Chestnut St, Philadelphia 4	Pa
GENERAL ELECTRODYNAMICS CORP., 3, Adv. Pgs. 184, 185	**4430 Forest Ln, Garland**	**Tex**
Goerz American Optical Co., C.P., 2-7	461 Doughty Blvd, Inwood 96	NY
Goodyear Aircraft Corp., 11	1210 Massillon Rd, Akron 15	Ohio
Gordon Enterprises, 7	5362 N. Cahuenga Blvd, N. Hollywood	Cal
HRB-SINGER, INC., 2-11, Adv Pg 493	**Science Park, State College**	**Pa**
Hughes Microwave Components Div., 3-4-5-11	Florence & Teale, Culver City	Cal
ITT Laboratories, 11	500 Washington Ave, Nutley 10	NJ
ITT Laboratories, Components & Instrumentation Div., 1-2-3-4-9-10-11-12	3700 E. Pontiac St, Ft. Wayne	Ind
Infrared Industries, Inc., 3-4-5-8-9-10	Waltham 54	Mass

Instrument Systems Corp., 11	129-07 18th Ave, College Point 56	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 3, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
Intl Tel & Tel Corp., Industrial Products Div., 10	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp., 11	707 E. Vermont Ave, Anaheim	Cal
Isomet Corp., 7-13	433 Commercial Ave, Palisades Park	NJ
Jan Hardware Mfg. Co., Inc., 5	38-01 Queens Blvd, Long Island City 1	NY
Kahn & Co., Inc., 5	885 Wells Rd, Wethersfield	Conn
KEARFOTT DIV., GEN PRECISION, INC., 3-11, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelk Ltd., George, 12	5 Lesmill Rd, Don Mills, Ontario	
KELLER, JR., HUGO, JEWELS, 7, Adv Pg 486	**50 E. 42nd St, New York 17**	**NY**
Kemlite Laboratories, Inc., 6	1819 W. Grand Ave, Chicago 22	Ill
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 11	80-08 45th Ave, Elmhurst 73	NY
Leetronics, Inc., 11	30 Main St, Brooklyn	NY
Librascope Div., General Precision, Inc., 3-5	808 Western Ave, Glendale 1	Cal
Linde Co., Div., UCC, 4-7-13	270 Park Ave, New York 17	NY
Lyncoach & Truck Co., Inc., 10-11-12	Oneonta	NY
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Marstan Electronics Corp., 3-11	204 Babylon Tnpk, Roosevelt	NY
Meller Co., Adolf, 7-13	P.O. Box 702, Providence 1	RI
Merco Products, Inc., 6	1298 Bethel Dr, Eugene	Ore
Metavac, Inc., 5-7-13	45-68 162 St, Flushing 58	NY
MICROWAVE CHEMICAL LABORATORY, INC., 8-9-13, Adv Pg 522	**282 7th Ave, New York 1**	**NY**
Microwave Corp. of America, 3	P.O. Box 278, Stamford	Conn
Microwave Electronic Tube Co., Inc., 3	76 Lafayette St, Salem	Mass
Minn-Honeywell, Aeronautical Div., 3-4-10-11-12	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Semiconductor Div., 3	1015 S. 6th St, Minneapolis 4	Minn
Miskella Infra-Red Co., The, 6	E. 73rd & Grand Ave, Cleveland 4	Ohio
Monroe Industries, Inc., 13	932 36 St S.E., Grand Rapids 8	Mich
MULLARD OVERSEAS, LTD., 3, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Networks Electronic Corp., 3-4-9-10-11	14806 Oxnard St, Van Nuys	Cal
Nippon Electric Co., Ltd., 2-3-10	Shiba-Mita, Tokyo, Japan	
North American Electric Lamp Co., 6	1520 N. 13 St, St. Louis 6	Mo
Optical Coating Laboratory, Inc., 5	2789 Giffen Ave, Santa Rosa	Cal
Optomechanisms, Inc., 2	216 E. Second St, Mineola	NY
Otis Elevator Co., 5-13	35 Ryerson St, Brooklyn 5	NY
PEK Labs., Inc., 6-9-13	4024 Transport St, Palo Alto	Cal
Perkin-Elmer Corp., The, 3-7-9-11	Main Ave, Norwalk	Conn
Philco Corp., Gov't & Ind'l Div., 3-9-10-11-12	4700 Wissahickon Ave, Philadelphia 44	Pa
PHILCO CORP., LANSDALE DIV., 3-4, Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
Phoenix Precision Instrument Co., 5	3805 N. Fifth St, Philadelphia	Pa
Photobell Co., Inc., 3-8	43 Vesey St, New York 7	NY
Pioneer-Central Div., Bendix Aviation Corp., 4	Davenport	Iowa
Pioneer Industries Div., Almar-York Co., Inc., 10	3455 W. Vickery, Fort Worth 7	Tex
Polan Industries, Inc., 1-2-3-5-7-8-9-10-11-12-13	P.O. Box 1720, Huntington 19	W. Va
Polarizer Div of Polaroid Corp., 5	119 Windsor St, Cambridge 39	Mass
PRECISE MEASUREMENTS CO., 6, Adv Pg 204	**R.D. 1, Millbrooks, Flemington**	**NJ**
Production Research Corp., Sub of Radio Condenser Co., 1-3-5-11	Claremont Ave, Thornwood	NY
Radiation Electronics Co., Div., Comptometer Corp., 2-3-9-10-11-12	5600 W. Jarvis, Chicago 48	Ill
Radiation, Inc., 11	Melbourne	Fla
RAYTHEON CO. MICROWAVE & POWER TUBE DIV., 3, Adv Pg 65	**Foundry Ave, Waltham 54**	**Mass**
Republic Lens Co., Inc., 7-13	31 E. 169th St, New York 52	NY
Research, Inc., 6	P.O. Box 6164, Edina Br. Minnpls 24	Minn
SEMI-ELEMENTS, INC., 13, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Semimetals, Inc., 3-5	133-22 91st Ave, Richmond Hill 18	NY
Servo Corp of America, 1-3-7-9-10-11-13	111 New South Rd, Hicksville	NY
Spectra Electronics Co., 2-8-10-11-12	250 E. 3rd St, Mt. Vernon	NY
Standard Telephones & Cables, Ltd., 3-5	63 Aldwych, London W. C. 2	Eng
Sylvania Lighting Products, 6	60 Boston St, Salem	Mass
TELECTRO INDUSTRIES CORP., 8, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Texas Instruments Incorporated, Apparatus Div., 11	6000 Lemmon Ave, Dallas 9	Tex
Tinsley Instruments (Canada), Ltd., 1	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topper Mfg. Co., Inc., 10-11-12	84-56 Parsons Blvd, Jamaica 32	NY
TRANSISTOR SPECIALTIES, INC., 3, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Tri-Tronics Co., 10	2607 St. Charles Rd, Bellwood	Ill
TUNG-SOL ELECTRIC, INC., 9, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
21st Century Electronics, Inc., 3-8-10-11	P.O. Box 2326, Riverside	Cal
U. S. Nuclear Corp., 8	801 N. Lake St, Burbank	Cal
VALPEY CRYSTAL CORP., 7-13, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Wallin Optical Systems, Inc., 7	18670 Ventura Blvd, Tarzana	Cal
Wells Industries Corp., 3-10	6880 Troost Ave, North Hollywood	Cal
Western Coil & Electrical Co., 7	215 State St, Racine	Wisc
WESTINGHOUSE ELECTRIC CORP., 6, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 6	Bloomfield	NJ
Wiegand Co., Edwin L., 6-10	7606 Thomas Blvd, Pittsburgh 8	Pa
Zenith Optical Laboratory, 5-7	1940 Great Neck Rd, Copigue	NY
Zoomar, Inc., 7	55 Sea Cliff Ave, Glen Cove	NY

INFRARED FILMS See **FILMS** *–INFRARED*
INFRARED HEATERS See **HEATERS** *–INFRARED*
INFRARED OVENS See **OVENS, DRYERS & DEHYDRATORS**
INGOTS *–PLATING ANODE* See **ANODES**

INKS *–MARKING*

Barta-Griffin Co	72 Commercial St, Worcester 1	Mass
Blacklight Corp of America	5112 Walnut Grove Ave, San Gabriel	Cal
Isochem Resins Co	221 Oak St, Providence 9	RI
A.D. Mackay, Inc	198 Broadway, New York 38	NY
MARKEM MACHINE CO., Adv Pg 459	**150 Congress St, Keene**	**NH**
Marsh Stencil Machine Co	46 Marsh Bldg, Belleville	Ill
Matthews & Co., James H.	3821 Forbes Ave, Pittsburgh 13	Pa
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Naz-Dar Co	465 Milwaukee Ave, Chicago 10	Ill
Phillips Process Co., Inc	192 Mill St, Rochester 14	NY
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Standard-Toch Chemicals, Inc	2600 Richmond Terr, Staten Island 3	NY
Stroblite Co	77 W. 45 St, New York	NY
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY
Ultra-Violet Products, Inc	5114 Walnut Grove Ave, San Gabriel	Cal
Westinghouse Electric Corp., Lamp Div	Bloomfield	NJ

INLAID CIRCUITS See **CIRCUITS** *–PRINTED WIRING*
INPUT SYSTEMS See **AMPLIFIERS – A-F**
INPUT TRANSFORMERS See **TRANSFORMERS** *–IRON-CORE*
INSPECTION CONTROLS See **CONTROLS** *PROVIDING REQUIRED FUNCTION*
INSPECTION GAGES See **GAGES** *–INSPECTION*
INSTRUMENTATION RECORDING AMPLIFIERS See **AMPLIFIERS** *– INSTRUMENTATION*
INSTRUMENT CASES See **CASES** *–PORTABLE*
INSTRUMENT CONVERTERS *– A-C TO D-C* See **CONVERTERS** *– A-C TO D-C INSTRUMENT*
INSTRUMENT DIALS See **DIALS**
INSTRUMENT DOLLIES See **DOLLIES**
INSTRUMENT PANELS See **PANELS**
INSTRUMENTS See **AUDIOMETERS: BRIDGES: CALIBRATORS: COMPARATORS: INDICATORS: METERS: RATIOMETERS: RECORDERS: STANDARDS: TRACERS: ETC.**

INSTRUMENTS *–ELECTRONIC MUSICAL*

Audio Equipment Co., Inc	75 Harbor Rd, Port Washington	NY
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
Lumen, Inc	P.O. Box 905, Joliet	Ill
Networks Electronic Corp	14806 Oxnard St, Van Nuys	Cal
Rowe Industries	1702 Wayne St, Toledo 9	Ohio
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Wurlitzer Co	North Tonawanda	NY

INSTRUMENTS *–GRAPHIC RECORDING* See **RECORDERS**
INSTRUMENTS *–PANEL* See **AMMETERS: GALVANOMETERS: METERS – DB: METERS-VU: OHMMETERS: VOLTMETERS: WATTMETERS**
INSTRUMENTS *–ULTRASONIC* See **ULTRASONIC EQUIPMENT**
INSTRUMENT TRANSFORMERS See **TRANSFORMERS** *–IRON-CORE, SPECIAL*
INSULATED WIRE See **WIRE** *LISTINGS*
INSULATING BEADS See **BEADS**
INSULATING CEMENTS See **CEMENTS**
INSULATING IMPREGNANTS See **IMPREGNANTS**
INSULATING PAPER See **PAPER**
INSULATING VARNISHES See **VARNISHES**
INSULATING WASHERS See **GROMMETS: WASHERS**

INSULATORS *–ANTENNA*
1. FEEDER SPREADER 2. RECEIVING 3. STANDOFF 4. STRAIN 5. TOWER BASE 6. TRANSMITTING, HIGH-VOLTAGE

Alite Div., U.S. Stoneware Co., 6	P.O. Box 119, Orrville	Ohio
Amatom Electronic Hardware Co., Inc., 3	88 Drake Ave, New Rochelle	NY
American Development Electronics Co., 3	212 Central Ave, Newark	NJ
AMERICAN LAVA CORP., 1-2-3-4-5-6, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
BIRNBACH RADIO CO., INC., 1-3-4, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bonny Mfg. Corp., 5	146 Main St, Maynard	Mass
CAMBRIDGE THERMIONIC CORP., 3, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carmer Industries, Inc., 3	22 N. 26 St, Kenilworth	NJ
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1-3-4-6, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Channel Master Co	Ellenville	NY
Clear Beam Antenna Co., 3	21341 Roscoe Blvd, Canoga Park	Cal
COMPONENTS FOR RESEARCH, INC., 3-6, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
Coors Porcelain Co., 4-6	600 Ninth St, Godlen	Colo
Du-Co Ceramics Co., 3-4	1050 Main St, Saxonburg	Pa
Electronic Applications, Inc., 3	194 Richmond Hill Ave, Stamford	Conn
Emerson Plastics Corp., 2-3-4	1383 Seabury Ave, Bronx 61	NY
Fastex Div., Illinois Tool Works, 3-4	195 Algonquin Rd, Des Plaines	Ill
Garde Mfg. Co., 3	53 John St, Cumberland	RI
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 3, Adv Pg 218	**Camden 1**	**NJ**
GATES RADIO CO., 2-3-4-5-6, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1-2-3-4-5-6, Adv Pg 471	**Keasbey**	**NJ**
Gladding, McBean & Co., 1-2-3-4-5-6	1551 S. Primrose St, Monrovia	Cal
Heldor Mfg. Corp., 3	238 Lewis St, Paterson	NJ
I.E. Manufacturing, 3-4-5	325 N. Hoyne Ave, Chicago 12	Ill
Isolantite Mfg Corp., 1-2-3-4-6	Stirling	NJ
J.F.D. ELECTRONICS CORP., 2-3, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Johnson Co., E.F., 1-2-3-4-6	Waseca	Minn
Keystone Electronics Corp., 3	49 Bleecker St, New York 12	NY
Kirchberger & Co., Inc., M., 3	248 Humphrey St, Englewood	NJ
LAPP INSULATOR CO. INC. RADIO SPECIALTIES DIV., 1-3-4-5-6, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Lindsay Antenna & Specialty Prods., Ltd., 3	50 Mary St, Lindsay, Ontario, Canada	
Maryland Lava Co., 3	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 3	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 1-2-3-6	150 Exchange St, Malden	Mass
Molding Corp of America, 3	42 Church St, Pawtucket	RI
Mykroy, Inc., 1-3-4-6	645 Wheeling Rd, Wheeling	Ill
National Ceramic Co., 3-4	400 Southard St, Trenton 2	NJ
Oki & Willadsen, Ltd., 3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Parker Metal Goods Co., 3	85 Prescott St, Worcester	Mass
Permali, Inc., 3-4	P.O. Box 718E, Mt. Pleasant	Pa
POLYMER CORP., 3, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Premax Prods. Div. Chisholm-Ryder Co. Inc., 3-5	Highland & College, Niagara Falls 2	NY
Radio Merchandise Sales, Inc., 3-5	2016 Bronxdale Ave, New York 62	NY
ROHN MFG. CO., 4-5, Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Ross Co., Milton, 3	239 Jacksonville Rd, Hatboro	Pa
Sealectro Corp., 3	139 Hoyt Ave, Mamaroneck	NY
Smith, Inc., Herman H., 3-4	2326 Nostrand Ave, Brooklyn 10	NY
Solar Mfg. Corp., 3	4553 Seville Ave, Los Angeles 58	Cal
South River Metal Products Co., Inc., 3	377 Turnpike, South River	NJ
Star Porcelain Co., 3-4	61 Muirhead Ave, Trenton 9	NJ
Steward Mfg. Co., D.M., 3-4	3600 Jerrome Ave, Chattanooga 1	Tenn
SUPERIOR STEATITE & CERAMIC CORP., 3, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
SYNCOR PRODUCTS CO., 6, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**

Telco Electronics Mfg. Co., 3	400 S. Wyman St, Rockford	Ill
Thor Ceramics, Inc., 1-2-3-4-6	225 Belleville Ave, Bloomfield	NJ
Tri-Point Plastics, Inc., 3	175 E. U. Willets Rd, Albertson	NY
UCINITE CO., DIV., UCC, 3, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Mineral & Chemical Corp., 3-6	16 Hudson St, New York 13	NY
U.S. Engineering Co., Div., Litton Ind., 3	13536 Saticoy, Van Nuys	Cal
VICTOR-BERNARD INDUSTRIES, 1-2-3-4-5-6, Adv Pg 564	**4566 Baker St, Philadelphia 27**	**Pa**
Webster Mfg., 3	317 Roebling Rd, S. San Francisco	Cal
Western Coil & Electrical Co., 3	215 State St, Racine	Wisc
WHITSO, INC., 3, Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**
Wind Turbine Co., 1-3-4-5	E. Market St & Penna R.R., W. Chester	Pa

INSULATORS —*CAN LINER*

Fabra-Print, Inc	801 S.E. 8th St, Minneapolis 14	Minn
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
West Virginia Pulp & Paper Co	230 Park Ave, New York 17	NY

INSULATORS —*CERAMIC* See CERAMICS

INSULATORS —*FEED-THROUGH*

1. HERMETICALLY SEALED 2. NOT HERMETICALLY SEALED

Advanced Vacuum Products, Inc., Sub Indiana General Corp	430 Fairfield Ave, Stamford	Conn
Aerolite Electronics Corp., 1	2207 Summit Ave, Union City	NJ
Alite Div., U.S. Stoneware Co., 1	P.O. Box 119, Orrville	Ohio
AMERICAN LAVA CORP., 1-2, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Ampco Mfg. Co., 2	246 E. 2nd St, Plainfield	NJ
ANTON ELECTRONIC LABS., INC., 1-2, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Armel Electronics, Inc., 2	840 Fifth Ave, Brooklyn 32	NY
Atmo Seal Co., 1	4321 Fielding St, Cincinnati 9	Ohio
BIRNBACH RADIO CO., INC., 2, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
CARBORUNDUM CO., LATROBE PLANT, 1, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
Ceramaseal, Inc., 1-2	P.O. Box 25, New Lebanon Center	NY
COMPONENTS FOR RESEARCH, INC., 2, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Coors Porcelain Co., 1	600 Ninth St, Golden	Colo
Culbertson Products, Inc., 1	25 Samson Ave, Madison	NJ
DAGE ELECTRIC CO., 1, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Electronic Applications, Inc., 2	194 Richmond Hill Ave, Stamford	Conn
Frenchtown Porcelain Co., 1-2	Frenchtown	NJ
Garde Mfg. Co., 1-2	53 John St, Cumberland	RI
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 2, Adv Pg 218	**Camden 1**	**NJ**
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1-2, Adv Pg 471	**Keasbey**	**NJ**
GENERAL HERMETIC SEALING CORP., 1, Ad Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Gladding, McBean & Co., 1-2	1551 S. Primrose St, Monrovia	Cal
Glasseal Products Co., Inc., 1	725 Commerce Rd, Linden	NJ
Glove Electrical Mfg. Co., 1-2	1727 W. 134 St, Gardena	Cal
Greenfield Components Corp., 1	184 Shelburne St, Greenfield 16	Mass
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Hermetite Corp., 1	702 Beacon St, Boston 15	Mass
Hobson Brothers, Inc., 2	4940 W. Lawrence Ave, Chicago 30	Ill
International Pump & Machine Works, 1	81 Dorsa Ave, Livingston	NJ
Isolantite Mfg.Corp., 1-2	Stirling	NJ
Joclin Mfg. Co., 1	9 Lufbery Ave, Wallingford	Conn
Johnson Co., E.F., 2	Waseca	Minn
Jones Electronics, Hiram, 1-2	2313 W. Olive Ave, Burbank	Cal
LAPP INSULATOR CO. INC. RADIO SPECIALTIES DIV., 1-2, Adv. Pgs. 344,345	**31 Gilbert St, Le Roy**	**NY**
Lyn-Tron, Inc., 2	5352 Riverton Ave, North Hollywood	Cal
Marstan Electronics Corp., 2	204 Babylon Trnpk, Roosevelt	NY
Materials for Electronics, Inc., 2	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James, 2	150 Exchange St, Malden	Mass
Mitronics, Inc., 1	1290 Central Ave, Hillside	NJ
Molding Corp of America, 1-2	42 Church St, Pawtucket	RI
Mykroy, Inc., 1-2	645 Wheeling Rd, Wheeling	Ill
National Ceramic Co., 2	400 Southard St, Trenton 2	NJ
Networks Electronic Corp., 1	14806 Oxnard St, Van Nuys	Cal
Plastronic Engineering Co., 2	721 Boston Post Rd, Marlborough	Mass
POLYMER CORP. 2, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Precision Metal Products Co of Malden, 2	41 Elm St, Stoneham 80	Mass
Quality Hermetics, Ltd., 1	45 Hollinger Rd, E. York, Toronto, Ontario	
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sealectro Corp., 2	139 Hoyt Ave, Mamaroneck	NY
Solar Mfg. Corp., 1-2	4553 Seville Ave, Los Angeles 58	Cal
Sperti-Faraday, 1	722 Grand St, Hoboken	NJ
Sphere Co., Inc., The, 1-2	25 Amity St, Little Falls	NJ
Strat-O-Seal Mfg. Co., 1	3039 W. Fullerton Ave, Chicago 47	Ill
TAURUS CORP., 2, Adv Pg 548	**8 Coryell St, Lambertville**	**NJ**
Telegraph Condenser Co., Ltd., 1-2	Wales Farm Rd, Acton London W. 3	Eng
Thor Ceramics, Inc., 1-2	225 Belleville Ave, Bloomfield	NJ
UCINITE CO., DIV., UCC, 2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Uni-Seal, Inc., 1	477 North Ave, Garwood	NJ
U.S. Engineering Co., Div., Litton Ind., 2	13536 Saticoy, Van Nuys	Cal
Vactronic Lab. Equipment, Inc., 1	21 Monmouth Ct, East Northport	NY
Warren Components Div., El-Tronics, 1	S. Irvine St, Warren	Pa
WHITSO, INC., 2, Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**
Wind Turbine Co., 2	E. Market St & Penna R.R., W. Chester	Pa

INSULATORS —*FUSED QUARTZ* See QUARTZ —*FUSED*
INSULATORS —*PLASTIC* See PLASTICS

INSULATORS —*TEST CLIP*

AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Anchor Indl Co., Div., Anchor Plastics Co., Inc	36-36 36 St, Long Island City 6	NY
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Mueller Electric Co	1582H E. 31st St, Cleveland 14	Ohio
Mykroy, Inc	645 Wheeling Rd, Wheeling	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Smith, Inc., Herman H.	2326 Nostrnad Ave, Brooklyn 10	NY
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**

INSULATORS —*THERMOCOUPLE*

Alite Div., U.S. Stoneware Co	P.O. Box 119, Orrville	Ohio
AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
CARBORUNDUM CO., LATROBE PLANT, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Du-Co Ceramics Co	1050 Main St, Saxonburg	Pa
Gladding, McBean & Co	1551 S. Primrose St, Monrovia	Cal
Isolantite Mfg.Corp	Stirling	NJ
Kirchberger & Co., Inc., M.	248 Humphrey St, Englewood	NJ
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Maryland Lava Co	Dept GB, Bel Air	Md
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Mykroy, Inc	645 Wheeling Rd, Wheeling	Ill
National Beryllia Corp	4501 Dell Ave, North Bergen	NJ
Smith Mfg. Co., Inc., E.C.	Forrest & Hector Sts, Conshohocken	Pa
Star Porcelain Co	61 Muirhead Ave, Trenton 9	NJ
SUPERIOR STEATITE & CERAMIC CORP., Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
Zirconium Corp of America	31501 Solon Rd, Solon 39	Ohio

INSULATORS —*TV YOKE*

American Molded Products Co	2727 W. Chicago Ave, Chicago 22	Ill
Sillcocks-Miller Co.	Maplewood	NJ

INTEGRATING AMPLIFIERS See AMPLIFIERS —*COMPUTER*
INTEGRATING GYROS See GYROS

INTEGRATORS

1. ELECTRONIC (DIGITAL OR ANALOG COMPUTER) 2. MECHANICAL (ANALOG COMPUTER) 3. PULSE HEIGHT

Abacus, Inc., 1	3040 Overland Ave, Los Angeles 34	Cal
Aeroflex Corp., 1-2	34-06 Skillman Ave, Long Island City 1	NY
ALLEGANY INSTRUMENT CO., INC., 1 Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Antlab, Inc., 1	6330 Proprietors Rd, Worthington	Ohio
Applied Dynamics, Inc., 1-2	P.O. Box 2068, Ann Arbor	Mich
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 2	P.O. Box 1, Buffalo 5	NY
Bell & Gossett Co., 2	8202 N. Austin Ave, Morton Grove	Ill
Belock Instrument Corp., 1-2	112-03 14 Ave, College Point	NY
Budd Lewyt Electronics, Inc., 1	43-22 Queens St, Long Island City 1	NY
Canadian Marconi Co., 1	2444 Trenton Ave, Montreal, Canada	
CHESAPEAKE INSTRUMENT CORP., 1, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Computer Control Co., Inc., 1-3	983 Concord St, Framingham	Mass
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 1	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 1, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 1	19 Kearney Rd, Needham Heights 94	Mass
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control Systems Div., 1	4455 Miramar Rd, La Jolla	Cal
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
Djeco, Div., Djordjevic Engrg Co., 1	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 1	888 Galindo St, Concord	Cal
Electric Tachometer Corp., 2	68 & Upland Sts, Philadelphia	Pa
Electro Instruments, Inc., 1	3540 Aero Ct, San Diego	Cal
Epsco, Inc., Systems Div., 1	275 Massachusetts Ave, Cambridge 39	Mass
Ford Instrument Co., Div., Sperry Rand Corp., 1-2	31-10 Thomson Ave, Long Island City 1	NY
Foxboro Co., The, 2	Foxboro	Mass
GPE Controls, Inc., 2	240 E. Ontario St, Chicago 11	Ill
Genesys Corp., Sub, Chance Vought, 1	10131 National Blvd, Los Angeles 34	Cal
Hagan Chemicals & Controls, Inc., 1	Hagan Center, Pittsburgh 30	Pa
HALLICRAFTERS CO., 1-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hamner Electronics Co., Inc., 3	P.O. Box 531, Princeton	NJ
Harvey-Wells Electronics, Inc., 1-3	North St, Southbridge	Mass
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
Librascope Div., General Precision, Inc., 1-2	808 Western Ave, Glendale 1	Cal
Link Div., Gen. Precision, Inc., 1-2	Nowlan Rd, Hillcrest, Binghamton	NY
Marquardt Corp., Pomona Div., 1-2	2709 N. Garey Ave, Pomona	Cal
Marsland Engineering, Ltd., 3	154 Victoria St S., Kitchener, Ontario, Canada	
Melpar, Inc., 2	3000 Arlington Blvd, Falls Church	Va
Milgo Electronic Corp., 1-2	7620 N.W. 36th Ave, Miami 47	Fla
Mini-Rad, Inc., 3	7416-E Varna Ave, N. Hollywood	Cal
MOSELEY CO., F.L., 1, Adv. Pgs. 354,355	**409 N. Fair Oaks, Pasadena**	**Cal**
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 1	1905 Armacost Ave, Los Angeles 25	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
REFLECTONE ELECTRONICS, INC., 2, Adv Pg 240	**Post Rd & Myano Ln, Stamford**	**Conn**
Singer Mfg. Co., Military Products Div., 2-11	149 Broadway, New York 3	NY
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	Eng
Taylor Instrument Cos., 2	95 Ames St, Rochester	NY
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
VARIAN ASSOCIATES, 2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wang Laboratories, Inc., 1	12 Huron Dr, Natick	Mass

INTENSIMETER See DOSIMETER: METERS —*X-RAY INTENSITY*

INTERCOMMUNICATION SYSTEMS

1. WIRED, ELECTRONIC 2. WIRED, SOUND-POWERED 3. WIRELESS

Adrafters Co., 1-2	325 W. Huron St, Chicago 10	Ill
ALDEN ELECTRONIC & IMPULSE RECORDING		

EQUIP CO., 1, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
American Avionics, Inc., 1	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Development Electronics Co., 1	212 Central Ave, Newark	NJ
Ampco Mfg. Co., 1-2-3	246 E. 2nd St, Plainfield	NJ
Amplivox Ltd., 1	Beresford Ave, Wembley, Middlesex, England	
Audio Equipment Co., Inc., 1	75 Harbor Rd, Port Washington	NY
Bennett Laboroatories, Inc., 1-3	4224 Holden St, Emeryville 8	Cal
Bliss Electronic Corp., 1	P.O. Box 366, Sussex	NJ
Bogen-Presto Div., Siegler Corp., 1	P.O. Box 500, Paramus	NJ
Boulevard Electronics, Inc., 1	1229 W. Washington Blvd, Chicago	Ill
Cadre Industries Corp., 1-3	P. O. Box 150, Endicott	NY
Calbest Electronics Co., 1	4801 Exposition Blvd, Los Angeles 16	Cal
Continental Manufacturing, Inc., 1	1612 California St, Omaha	Neb
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp., 3	River St, Winchester	Mass
Electron, 1	P.O. Box 8, Syracuse 11	NY
Executone, Inc., 1	415 Lexington Ave, New York 17	NY
Fanon Electronic Industries, Inc., 1-2-3	439 Frelingheysen Ave, Newark	NJ
Feiler Engineering & Mfg. Co., 3	8026 N. Monticello Ave, Skokie	Ill
Fisher Berkeley Corp., 1-3	4224 Holden St, Emeryville 8	Cal
Flush Wall Radio Co., 1	1012 Cleveland St, Clearwater	Fla
Foto-Video Electronics, Inc., 1	36 Commerce Rd, Cedar Grove	NJ
Galbraith-Pilot Marine Corp., 1	602 Fourth Ave, Brooklyn	NY
GATES RADIO CO., 1-2-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL HERMETIC SEALING CORP., 1, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Godfrey Mfg. Co., 1	1633 N. Halsted St, Chicago 14	Ill
HALLICRAFTERS CO., 1, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 1	Benton Harbor	Mich
Instrument Laboratories, 1-2	315 W. Walton Pl, Chicago 10	Ill
International Electronics Labs., GMBH, 1	Lottestr. 52, Hamburg, Lokstedt, Germany	
Johnson Co., E.F., 3	Waseca	Minn
Kay-Towns Antenna Co., 3	1513 Dean Ave, Rome	Ga
Kellogg Switchboard & Supply Co., 1-2	6650 S. Cicero Ave, Chicago 39	Ill
Kinematic Systems, 1	41-11-49th St, Long Island City	NY
Knight Electronics, 1	210 S. Des Plaines St, Chicago 6	Ill
Kuss Industries, Inc., 1-2-3	Tacony & Lewis Sts, Philadelphia 24	Pa
Lake Mfg. Co., 1	2323 Chestnut St, Dept E, Oakland 7	Cal
Leach Corp., 1	18435 Susana Rd, Compton	Cal
Loge Sound Engineers, J.M., 1	2171 W. Washington Blvd, Los Angeles 18	Cal
Morrow Radio Mfg. Co., 3	2794 Market St, Salem	Ore
Mullard Equipment, Ltd., 3	Torrington Pl, London W.C. 1, England	
Multitone of Canada Ltd., 3	130 Merton St, Toronto 7, Canada	
Neill Co., Inc., R.W., 1	4320 W. Montrose, Chicago 41	Ill
Nippon Electric Co., Ltd., 1-2-3	Shiba-Mita, Tokyo, Japan	
Otis Elevator Co., 1	35 Ryerson St, Brooklyn 5	NY
PARAPLEGICS MFG. CO., INC., 1-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Philco Corp., Gov't & Ind'l Div., 1	4700 Wissahickon Ave, Philadelphia 44	Pa
Precision Electronics, Inc., 2	9101 King St, Franklin Park	Ill
Production Research Corp., Sub of Radio Condenser Co., 1	Claremont Ave, Thornwood	NY
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Radio Merchandise Sales, Inc., 1	2016 Bronxdale Ave, New York 62	NY
Ram Electronics, Inc., 1	600 Industrial Ave, Paramus	NJ
Rauland-Borg Corp., 1	3535 W. Addison St, Chicago 18	Ill
Redifon, Ltd., 1	Broomhill Rd, Wandsworth, London SW 18	Eng
Remler Co., 1	2101 Bryant St, San Francisco 10	Cal
Roanwell Corp	180 Varick St, New York 14	NY
Seiscor Div., Seismograph Service Corp., 3	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Shell Electronics Mfg. Corp., 1-3	112 State St, Westbury	NY
Simpson Mfg. Co., Inc., Mark, 1-3	32-28 49th St, Long Island City 3	NY
Sorensen Industrial Electronic Co., 1-3	Rt 10, Dover	NJ
Sparton Corp., 1-3	2400 E. Ganson St, Jackson	Mich
Spivey Inc., James S., 1	4908 Hampden Ln, Washington 14	DC
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Sturrup, Inc., 1	50 Silver St, Middletown	Conn
Talk-A-Phone Co., 1-3	5013 N. Kedzie Ave, Chicago 25	Ill
Tandberg of America, Inc., 1	8 3rd Ave, Pelham	NY
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
Telephonics Corp., 1-2	Park Ave, Huntington	NY
Translite Electronics Corp., 1	5720 W. Armitage Ave, Chicago 39	Ill
Trans-Tel Corp., 1	910 N. Orange Dr, Los Angeles 38	Cal
U.S. Instrument Corp., 2	P.O. Box 1191, Charlottesville	Va
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Vocaline Co. of America, Inc., 1-3	Old Saybrook	Conn
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Worner Electronic Devices, 2	Rankin	Ill

INTERFERENCE FILTERS *See* FILTERS

INTERFEROMETERS

BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Epic, Inc	150 Nassau St, New York 38	NY
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Link Div., Gen. Precision, Inc	Nowlan Rd, Hillcrest, Binghamton	NY
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
Optomechanisms, Inc	216 E. Second St, Mineola	NY
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal

INTERMEDIATE FREQUENCY *See* I-F LISTINGS
INTERMETALLIC CRYSTALS *See* CRYSTALS *–SEMICONDUCTOR*

INTERMETALLICS *–SEMICONDUCTOR (RAW MATERIAL ONLY)*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc	60D Water St, Jersey City	NJ
Anchor Metal Co., The	966 Meeker Ave, Brooklyn 22	NY
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Penn Rare Metals, Inc	P.O. Box 1A, Revere	Pa
Research Chemicals	170B W. Providencia, Burbank	Cal
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY

INTERMITTENT RECORDERS *See* RECORDERS *–INTERMITTENT*
INTERMODULATION ANALYZERS, METERS & TESTERS *See* ANALYZERS *– INTERMODULATION*
INTERSTAGE TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE*

INTERVALOMETERS *See* TIMERS

INVERTERS *– D-C TO A-C*
1. ROTARY 2. SOLID-STATE 3. VIBRATOR-TYPE

AC Electronics, Inc., 2	11725 Mississippi Ave, Los Angeles 25	Cal
Abrams Instrument Corp., 2	606 E. Shiawassee, Lansing	Mich
ACCURATE INSTRUMENT CO., INC., 2, Adv Pg 545	**2422 Branard St, Houston 6**	**Tex**
ACTON LABS, INC., 2, Adv Pg 222	**533 Main St ,Acton**	**Mass**
Aeroflex Corp., 1-2-3	34-06 Skillman Ave, Long Island City 1	NY
Aerolab Development Co., 2	330 W. Holly St, Pasadena	Cal
Aetna Electronics Corp., 2	**Readington Rd, North Branch**	**NJ**
Airborne Accessories Corp., 2	1414 Chestnut Ave, Hillside	NJ
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-3, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
American Avionics, Inc., 2	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Bosch Arma Corp., 2	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Precision Power Div., 2	9705 Klingerman St, El Monte	Cal
American Missile Products Co., Inc., 2	15233 Grevillea Ave, Lawndale	Cal
American-Monarch Corp., 2	2801 37 Ave N.E., Minneapolis 18	Minn
American Research & Mfg. Corp., 2	920 Halpine Ave, Rockville	Md
AMERICAN TELEVISION & RADIO CO., 3, Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
AMP, INC., 2, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Anders Electric Products, Inc., 2	50 Brook Rd, Needham Heights 94	Mass
Applied Magnetics Corp., 2	Box 368, Goleta	Cal
ARNOLD MAGNETICS CORP., 2, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
ATLAS CONTROLS INC., 2, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Automotive Div., Electric Storage Battery Co., 2	P.O. Box 6266, Cleveland	Ohio
Avionics Corp., 2	Maple Ave & Horsham Rd, Horsham	Pa
BALLANTINE LABORATORIES, INC., 3, Adv Pg 59	**Boonton**	**NJ**
Barker & Williamson, 2	Canal & Beaver Sts, Bristol	Pa
BEHLMAN ENGINEERING CO., 2, Adv Pg 533	**2911 Winona Ave, Burbank**	**Cal**
Bendix Aviation Corp., Montrose Div., 1	South Montrose	Pa
Bendix-Pacific Div., Bendix Aviation, 2	11600 Sherman Way, North Hollywood	Cal
Bergen Labs., Inc., 2	60 Spruce St, Paterson	NJ
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
Brach Mfg. Corp., 2	200 Central Ave, Newark	NJ
Bristol Co., 3	P.O. Box 1790EBG, Waterbury 20	Conn
Brunswick Instruments, 3	**P.O. Box 813, New Brunswick**	**NJ**
Burmac Electronics Co., Inc., 2	142 S. Long Beach, Rockville Center	NY
Calmag, Div., California Magnetic Con Corp., 2-3	11922 Valerio St, North Hollywood	Cal
Canadian Aviation Electronics Ltd., 2	6214 Cote de Liesse Rd, Montreal 9, Canada	
Carter Motor Co., 1	2746 W. George St, Chicago 18	Ill
CELCO CONSTANTINE ENGINEERING LABS CO., 1-2, Adv. Pgs. 286, 287	**P. O. Box 555 Mahwah**	**NJ**
Coilcraft, Inc., 2	Cary	Ill
Collins Electronics, Inc., 3	Stevensville	Md
Collins Radio Co., 2	855 35 St N.E., Cedar Rapids	Iowa
COMMUNICATION MEASUREMENTS LAB., INC., 2, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Consolidated Avionics Corp., 2	800 Shames Dr, Westbury	NY
Consolidated Diesel Electric Corp., 1	880 Canal St, Stamford	Conn
Continental Electric Co., Inc., 1	334 Ferry St, Newark 5	NJ
Control Data Corp., Cedar Engr. Div., 1	501 Park Ave, Minneapolis 15	Minn
CONTROL ELECTRONICS CO., INC., 3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Electric Co., 2	2700 Southport Ave, Chicago 14	Ill
CORNELL-DUBILIER ELECTRIC CORP., 3, Adv Pg 321	**South Plainfield**	**NJ**
Data Products Co., Inc., 2	7320 Westmore Rd, Rockville	Md
DAVEN CO., 2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 2	2530-32 N. Elston Ave, Chicago	Ill
Daystrom, Inc., Control Systems Div., 2	4455 Miramar Rd, La Jolla	Cal
DeHavilland Aircraft/Spec. Prods. Div., 2	Downsview, Ontario, Canada	
Delco Radio Div, GMC., 2	700 E. Firmin St, Kokomo	Ind
Deltron, Inc., 2	4th & Cambria, Philadelphia 33	Pa
Designers for Industry, 1	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 2	1933 N. Damen, Chicago 47	Ill
EMP Electronics Research Labs., Inc., 2	3131 N. 29th Ave, Phoenix	Ariz
E.P. Electric Products Co., Ltd., 2	9720 Waverly St, Montreal 12, Que, Canada	
Eicor Div of The Scranton Corp., 1-2	4059 W. North Ave, Chicago 39	Ill
Electric Specialty Co., 1	207 South St, Stamford	Conn
Electrodynamic Instrument Corp., 2	1841 Old Spanish Trail, Houston 25	Tex
Electronic Development Corp., 2	423 W. Broadway, Boston 27	Mass
Electronic Research Associates, Inc., 2	67 Factory Pl, Cedar Grove	NJ
Elomag Sprl, 2-3	2 Avenue Wellington, Brussels, Belgium	
Engineered Magnetics Div., Gulton, 2	13041 Cerise Ave, Hawthorne	Cal
Ferrotran Electronic Co., Inc., 2	693 Broadway, New York 12	NY
Ford Instrument Co., Div., Sperry Rand Corp., 1-2	31-10 Thomson Ave, Long Island City 1	NY
FREED TRANSFORMER CO., INC., 2, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Garrett Corp., The, 1-2	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Geotronic Labs., Inc., 2	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 1-2	4868 N. Clark, Chicago 40	Ill
Gordon Enterprises, 1-3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Great Lakes Electric Mfg. Co., 1	17 S. Desplaines St, Chicago 6	Ill
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., 2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HARREL, INC., 2, Adv Pg 395	**1788 First Ave, New York**	**NY**
Hathaway Instruments, Inc., 2	5800 E. Jewell Ave, Denver 22	Colo
Heinz-Mueller Engineering Co., Inc., 1	4725 Iowa St, Chicago 51	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2	P.O. Box 978, Garland	Tex
Horlick Co., Inc., William I., 1	266 Summer St, Boston 10	Mass
HYDRO AIRE CO., 2, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
Inductor Engineering Inc., 2	117 Schley Ave, Lewes	Del

Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
Intercontinental Electronics, 2	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 2, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 2	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 2	15191 Bledsoe St, San Fernando	Cal
James Electronics Inc., 2-3	4050 N. Rockwell St, Chicago 18	Ill
Johnson Electronics, Inc., 2	P.O. Box 1675, Casselberry	Fla
Jordan Electronics Div., 2	3025 W. Mission Rd, Alhambra	Cal
Kato Engineering Co., 1	1415 First Ave, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kenyon Transformer Co., Inc., 2	1057 Summit Ave, Jersey City 7	NJ
Kupfrian Mfg. Corp., 2	398 State St, Binghamton	NY
Lawn Electronics Corp., 2	Woodward Rd, Englishtown	NJ
Leland Airborne Products, Div., AMF, 1-2	P.O. Box 128, Vandalia	Ohio
Lucas-Rotax, Ltd., 1-2	Box 115, Sta. H, Toronto 13, Ontario, Canada	
Lumen, Inc., 2	P.O. Box 905, Joliet	Ill
M. F. ELECTRONICS, 2, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
Magnaelectric Corp., 2	P.O. Box 6008, Tulsa	Okla
MAGNETIC AMPLIFIERS, INC., 2, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Circuit Elements, Inc., 2	3722 Park Pl, Montrose	Cal
MAGNETIC CONTROLS CO., 2, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
MAGNETIC INSTRUMENT CO., INC., 2, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Magnetic Research Corp., 2	3160 W. El Segundo Blvd, Hawthorne	Cal
Magnetico, Inc., 2	6 Richter Ct, East Northport	NY
Mallory & Co., Inc., P.R., 2	34 S. Gray St, Indianapolis 6	Ind
Marathon Electric Mfg. Corp., 1	Randolph & Cherry Sts, Wausau	Wisc
Marsland Engineering, Ltd., 2	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp., 2	204 Babylon Trnpk, Roosevelt	NY
Meterlog Corp., 2	169 N. Halstead St, Pasadena	Cal
Micro Gee Products, Inc., 2	6319 W. Slauson, Box 1005, Culver City	Cal
Micromag Instrument Corp., 2	115 Halleck St, Roxbury	Mass
MINN-HONEYWELL, BOSTON DIV., 3, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Modern Industries, Inc., 2	5755 Camille Ave, Culver City	Cal
Motor Generator, Aff, Hobart Bros Co., 1	W. Water St, P.O. Box EBG, Troy	NY
Natel Engineering Co., Inc., 2	15922 Strathern St, Van Nuys	Cal
Networks Electronic Corp., 2	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 2	638 W. 17th St, Costa Mesa	Cal
Norbatrol Electronics Corp., 2	356 Collins Ave, Pittsburgh 6	Pa
Onan & Sons, Inc., D.W., 2	University Ave at 25 S.E., Minnpls 14	Minn
OPAD ELECTRIC CO., 2, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Pacific Mercury Electronics, 2	8345 Hayvenhurst Ave, Sepulveda	Cal
Penn Keystone Corp., 2	P.O. Box 350, Hawkins St, Derby	Conn
Perkin Engineering Corp., 2	345 Kansas St, El Segundo	Cal
Pesco Products Div., Borg-Warner Corp., 1-2	24700 N. Miles Rd, Bedford	Ohio
Pintsch Bamag AG, 2	Postfach 11, Butzbach, Germany	
POWER DESIGNS, INC., 2, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Equipment Co., 2	Portland Way N., Galion	Ohio
Power Sources, Inc., 2	South Ave, Burlington	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1-2, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Redmond Co., Inc., 1	201 Monroe St, Owosso	Mich
Regulators, Inc., 2	455 W. Main St, Wyckoff	NJ
Republic Electronic Industries Corp., 2	111 Gazza Blvd, Farmingdale	NY
RHO Engineering Co	2242 Sepulveda Blvd, Los Angeles 64	Cal
RIXON ELECTRONICS, INC., 2, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
S-E Laboratories Ltd., 2	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Sangamo Electric Co., 1	1201 N. 11 St, Springfield	Ill
Siemon Mfg. Co., 1	P. O. Box 275, Wayne	Ill
Sorensen Industrial Electronic Co., 2	Rt 10, Dover	NJ
Southwestern Ind. Electronics Co., 2	10201 Westheimer Rd, Houston 19	Tex
Sparton Corp., 3	2400 E. Ganson St, Jackson	Mich
Spectrol Electronics Corp., 2	1704 S. Del Mar, San Gabriel	Cal
Spec-Tronics, 2	13942 Saticoy Ave, Van Nuys	Cal
Stancil-Hoffman Corp., 2	921 N. Highland Ave, Hollywood 38	Cal
Standard Electric Time Co., 3	89 Logan St, Springfield	Mass
Summers Gyroscope Co., 1	2500 Broadway, Santa Monica	Cal
Tamar Electronics, Inc., 2	2045 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
TELECHROME MFG. CORP., 1-2-3, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
Temco Electronics Div., Temco Aircraft Corp., 2	P.O. Box 6191, Dallas 22	Tex
Tenco Electronics, Inc., 2	811 Boylston St, Boston	Mass
Terado Co., 3	1059 Raymond Ave, St. Paul 14	Minn
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
TOROTEL, INC., 2, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 2, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Trans-Sil Corp., 2	55 Honeck St, Englewood	NJ
TRANSISTOR SPECIALTIES, INC., 2, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Transval Electronics Corp., 2	2030 Maple Ave, El Segundo	Cal
Trepac Corp of America, 2	30 W. Hamilton Ave, Englewood	NJ
United Control Corp., 2	4540 Union Bay Pl, Seattle 5	Wash
Universal Toroid Coil Winding, Inc., 2	171EB Coit St, Irvington	NJ
Universal Transistor Products Corp., 2	36 Sylvester St, Westbury	NY
VARO MFG. CO., INC., 1-2-3, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., 2, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Vibration Research Labs., Inc., 2	58 Marbledale Rd, Tuckahoe	NY
Victory Engineering Corp., 2	101 Springfield Rd, Union	NJ
Voi-Shan Electronics, 2	13259 Sherman Way, North Hollywood	Cal
Warren Mfg. Co., Inc., 2	Newtown Rd, Littleton	Mass
Webster Electric Co., 2	1900 Clark St, Racine	Wisc
Westamp, Inc., 2	11277 Massachusetts Ave, L A 25	Cal
Western Design Div., U.S. Industries, Inc., 1	Goleta	Cal
Western Gear Corp., Electro Prods. Div., 1	132 W. Colorado, Pasadena 1	Cal
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wickes Engineering & Construction Co., 2	12th St & Ferry Ave, Camden 4	NJ
Wincharger Corp., 1	E. 7th & Division Sts, Sioux City	Iowa
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 1-2, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

INVERTING AMPLIFIERS *See* AMPLIFIERS *–COMPUTER*
IONIZATION CHAMBERS & GAGES *See* CHAMBERS *–IONIZATION*
IONOSPHERIC SOUNDING EQUIPMENT *See* SOUNDING EQUIPMENT *IONOSPHERIC*
ION TRAPS *See* MAGNETS *–PERMANENT*

IRON-CORE TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE*

IRON OXIDE *–POWDERED*

1. MAGNETIC 2. NONMAGNETIC

COLUMBIAN CARBON CO., MAPICO COLOR UNIT, 1-2, Adv Pg 512	**380 Madison Ave, New York 17**	**NY**
CRUCIBLE STEEL CO OF AMERICA, 1, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
du Pont de Nemours & Co., Inc., E.I., 2	Wilmington 98	Del
FISH-SCHURMAN CORP., 5, Adv Pg 468	**70 Portman Rd, New Rochelle**	**NY**
Foote Mineral Co., 1-2	452 W. Chelten Bldg, Philadelphia 44	Pa
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KRYSTINEL CORP., 1, Adv Pg 555	**Fox Island Rd, Port Chester**	**NY**
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Magnaflux Corp., Sub, General Mills, 1	7328 W. Lawrence Ave, Chicago 31	Ill
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Minnesota Mining & Mfg. Co., Chemical Div., 2	900 Bush Ave, St. Paul 6	Minn
Semi-Alloys, Inc., 1	550 S. Fulton Ave, Mt. Vernon	NY
SEMI-ELEMENTS, INC., 1-2, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
WILLIAMS & CO., C.K., 1-2, Adv Pg 526	**640 N. 13 St, Easton**	**Pa**

IRON POWDER *–MAGNETIC*

Antara Chemicals, Sales Div., GA&F	435 Hudson St, New York 14	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Foote Mineral Co	452 W. Chelten Bldg, Philadelphia 44	Pa
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratoire Industriel de Physique Appliquee	67 Rue MA Colombier, Bagnolet Seine, France	
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Magnetic Powders, Inc., Sub of Crane Co	Fairview Ave, Johnsonburg	Pa
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
WILLIAMS & CO., C.K., Adv Pg 526	**640 N. 13 St, Easton**	**Pa**

IRONS *–SOLDERING See* TOOLS *–SOLDERING*

ISOLATORS *–MICROWAVE, FERRITE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Canoga Div., Underwood Corp	15330 Oxnard St, Van Nuys	Cal
Cascade Research Div., Monogram	5245 San Fernando Rd W., L A 39	Cal
Caswell Electronics Corp	414 Queens Ln, San Jose 12	Cal
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FERROTEC, INC, Adv Pg 514	**217 California St, Newton 58**	**Mass**
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Melabs	3300 Hillview Ave, Palo Alto	Cal
Microwave Associates, Inc	Burlington	Mass
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Raytheon Co. Special Microwave Device Oper	Waltham Industrial Park, Waltham 54	Mass
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass

ISOTOPES *–RADIOACTIVE See* SOURCES *–RADIOACTIVE*

JACK PANEL ASSEMBLIES

ADC, INC., Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Aerovox Corp	740 Belleville Ave, New Bedford	Mass
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
American Development Electronics Co	212 Central Ave, Newark	NJ
AMP, INC., Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Aviel Electronics, Inc	4204 Glencoe Ave, Venice	Cal
Bayly Engineering, Ltd	Hunt St, Ajax, Ontario, Canada	
Bernco Engineering Corp	2320 S. Tibbs Ave, Indianapolis	Ind
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
Cadre Industries Corp	P.O. Box 150, Endicott	NY
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Coaxial Connector Co., Inc	37 N. 2nd Ave, Mt. Vernon	NY
Ecco Electronic Components Corp	578 Nepperhan Ave, Yonkers	NY
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
Garde Mfg. Co	53 John St, Cumberland	RI
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Kellogg Switchboard & Supply Co	6650 S. Cicero Ave, Chicago 39	Ill
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Modelectric Products Corp	1500 Bangs Ave, Asbury Park	NJ
Mutron Corp	125 Perkins Ave, Brockton	Mass
Oki & Williadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Roflan Co	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Smith Mfg. Co., Inc., E.C	Forrest & Hector Sts, Conshohocken	Pa
Standard Electric Time Co	89 Logan St, Springfield	Mass

SWITCHCRAFT, INC., Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
Thermo Electric Co	Rochelle Park P.O., Saddle Brook	NJ
Trimm, Inc	400 W. Lake St, Libertyville	Ill
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Universal Circuit Controls	3610 Oakton St, Skokie	Ill
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC

JACK PANELS See PANELS

JACKS See Also CONNECTORS

ADC, INC., Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Aerovox Corp	740 Belleville Ave, New Bedford	Mass
Air-O-Tronics Engineering Co	P.O. Box 31, Lancaster	Cal
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
American Electronics Co	178 Herricks Rd, Mineola	NY
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
AUDIOSEARS CORP., Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
Aviel Electronics, Inc	4204 Glencoe Ave, Venice	Cal
Bayly Engineering, Ltd	Hunt St, Ajax, Ontario, Canada	
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Cable Electric Products	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carter Parts Co	3401 Madison St, Skokie	Ill
CINCH MFG. CO., Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
Donmar Products, Inc	P.O. Box 8396, Denver 10	Colo
Ecco Electronic Components Corp	578 Nepperhan Ave, Yonkers	NY
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Fedtro, Inc	Fed Electr Bldg, Rockville Centre	NY
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Johnson Co., E.F.	Waseca	Minn
Jones Electronics, Hiram	2313 W. Olive Ave, Burbank	Cal
Jones, Howard B., Div., Cinch Mfg. Co	1026 S. Homan Ave, Chicago 24	Ill
Kellogg Switchboard & Supply Co	6650 S. Cicero Ave, Chicago 39	Ill
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Lerco Electronics, Inc	501 S. Varney St, Burbank	Cal
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Roflan Co	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Smith Mfg. Co., Inc., E.C	Forrest & Hector Sts, Conshohocken	Pa
Standard Electric Time Co	89 Logan St, Springfield	Mass
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
SWITCHCRAFT, INC., Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
Telephonics Corp	Park Ave, Huntington	NY
Telex, Inc	Telex Park, St. Paul 1	Minn
Thermo Electric Co	Rochelle Park P.O., Saddle Brook	NJ
Trimm, Inc	400 W. Lake St, Libertyville	Ill
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Instrument Corp	P.O. Box 1191, Charlottesville	Va
Universal Circuit Controls	3610 Oakton St, Skokie	Ill
WHITSO, INC., Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**

JAMMING TRANSMITTERS See TRANSMITTERS —JAMMING & COUNTERMEASURE

JEWEL BEARINGS See BEARINGS

JEWELS

1. DIAMOND 2. GLASS 3. SAPPHIRE

Avionics Ltd., 3	Box 200, Niagara-on-the-Lake, Ontario	
Bache & Co., Semon, 2	636 Greenwich St, New York 14	NY
BIRD CO., RICHARD H., 2-3, Adv Pg 240	**1 Spruce St, Waltham**	**Mass**
Drake Mfg. Co., 2	4626 N. Olcott, Chicago 31	Ill
FEDERAL SCREW PRODUCTS, INC., 2, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
KELLER, JR., HUGO, JEWELS, 3, Adv Pg 486	**50 E. 42 St, New York 17**	**NY**
Moran Co., 3	721 E. El Segundo Blvd, El Segundo	Cal
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal

JOINTS —FLEXIBLE See COUPLINGS —SHAFT, FLEXIBLE

JOINTS —ROTARY MICROWAVE

Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
Budd Lewyt Electronics, Inc	43-22 Queens St, Long Island City 1	NY
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microwave Associates, Inc	Burlington	Mass
Precision Microwave Corp	Main St, Millis	Mass
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

JOINTS —TUBE

Chase Brass & Copper Co., Inc	236 Grand St, Waterbury	Conn
CRUCIBLE STEEL CO OF AMERICA, Adv Pg 339	**Box 2518, Pittsburgh 30**	**Pa**
MARMAN DIV., AEROQUIP CORP., Adv Pg 561	**11214 Exposition Blvd, LA 64**	**Cal**
Resistoflex Corp	20 Woodland Rd, Roseland	NJ
YUBA-DALMOTOR DIV., YUBA CONSOL IND INC., Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

JOINTS —UNIVERSAL See COUPLINGS

JUMPERS —BONDING

Empire Electronics Co., Inc	60 Spruce St, Paterson 1	NJ
Entron, Inc	4902 Lawrence St, Bladensburg	Md
JANCO CORP., Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**

KEL-F See PLASTICS

KERR-CELL SHUTTERS See SHUTTERS

KEYBOARD PRINTERS See PRINTERS

KEYERS —AUTOMATIC

1. FREQUENCY-SHIFT 2. CODE TRANSMITTING, MANUAL 3. TONE, A-M

Aeronautical Communication Equipment, Inc., 1-2	3090 S.W. 37 Ave, Miami 33	Fla
Boehme, Inc., H.O., 1-2	915 Broadway, New York 10	NY
Bunnell & Co., J.H., 1	81 Prospect St, Brooklyn 1	NY
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal
Dollar Co., Robert, Commun Equip Div., 1	50 Drumm St, San Francisco 11	Cal
Electro-Medical Lab., Inc., 2	South Woodstock 8	Vt
GATES RADIO CO., 1-2-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
L & R Mfg. Co., 2-3	577 Elm St, Kearny	NJ
Morrow Radio Mfg. Co., 3	2794 Market St, Salem	Ore
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
NORTHERN RADIO CO., INC., 1-3, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Otis Elevator Co., 2	35 Ryerson St, Brooklyn 5	NY
Production Research Corp., Sub of Radio Condenser Co., 1	Claremont Ave, Thornwood	NY
Racal Engineering, Ltd., 1	Western Rd, Bracknell, Berks, England	
RADIO FREQUENCY LABS., INC., 1-3, Adv Pg 116	**Boonton 2**	**NJ**
Redifon, Ltd., 1	Broomhill Rd, Wandsworth, London SW 18	Eng
Remler Co., 3	2101 Bryant St, San Francisco 10	Cal
RIXON ELECTRONICS, INC., 3, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
TECHNICAL MATERIEL CORP., 1-3, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Times Facsimile Corp., 1	540 W. 58th St, New York 19	NY
Warren Mfg. Co., Inc., 1	Newtown Rd, Littleton	Mass
Westrex Corp., Div., Litton Industries, 1-2-3	540 W. 58 St, New York 19	NY

KEYS & CODING EQUIPMENT

Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Boehme, Inc., H.O.	915 Broadway, New York 10	NY
Bunnell & Co., J.H.	81 Prospect St, Brooklyn 1	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Johnson Co., E.F.	Waseca	Minn
Lundy Mfg. Corp	Robert Ln, Glen Head	NY
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Philmore Mfg. Co., Inc	130-01 Jamaica Ave, Richmond Hill 18	NY
Redifon, Ltd	Broomhill Rd, Wandsworth, London SW 18	Eng
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Soroban Engineering, Inc	P.O. Box 1717, Melbourne	Fla
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass
Warren Mfg. Co., Inc	Newtown Rd, Littleton	Mass
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

KILOVOLTMETERS See VOLTMETERS

KINESCOPE FILM RECORDERS See RECORDERS —KINESCOPE FILM

KITS

1. AUDIO AMPLIFIER 2. COMPUTER 3. GEIGER COUNTER 4. PREAMPLIFIER 5. RECEIVER 6. TEST EQUIPMENT 7. TRANSMITTER 8. TUNER See Also BREADBOARD KITS

Aeroflex Corp., 4-6	34-06 Skillman Ave, Long Island City 1	NY
Airton, Div of Litton Industries, 5	200 E. Hanover Ave, Morris Plains	NJ
Allied Radio Corp., 1-4-5-6-7-8	100 N. Western Ave, Chicago 80	Ill
American Electronics Co., 7	178 Herricks Rd, Mineola	NY
Antennavision, Inc., 5	2949 W. Osborn Rd, Phoenix	Ariz
ANTON ELECTRONIC LABS., INC., 3, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
APPLIED ELECTRONICS CORP OF N.J., 2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Central Electronics, Inc., 6-7	1247 W. Belmont Ave, Chicago 13	Ill
Continental Manufacturing, Inc., 1-5-8	1612 California St, Omaha	Neb
Electro Products Labs, Inc., Power Supply Div., 6	4501 N. Ravenswood, Chicago 40	Ill
ELECTRONIC INSTRUMENT CO., INC., 1-4-6-7-8, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 1-6	625 Broadway, New York 12	NY
Electronic Organ Arts, Inc., 1	4949 York Blvd, Los Angeles 42	Cal
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Export Corp., 6	13310 Foley, Detroit 27	Mich
FXR, INC., 6, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Globe Electronics, Div Textron Electronics Inc 1-7	22-30 S. 34th St, Council Bluffs	Iowa
Good Electronic Corp., 4	P.O. Box 2406, W. Palm Beach	Fla
Harman-Kardon, Inc., 4	520 Main St, Westbury	NY
Heath Co., Sub Daystrom, Inc., 1-2-3-4-5-6-7-8	Benton Harbor	Mich
Hickok Electrical Instrument Co., 6	10514 Dupont, Cleveland 8	Ohio
Hill & Co., E. Vernon, 6	P.O. Box 189, Lake Geneva	Wisc

I.D.E.A., Inc., 5	7900 Pendleton Pike, Indianapolis 26	Ind
ITI Electronics Inc., 5-6	369 Lexington Ave, Clifton	NJ
Interstate Electronics Corp., 3-6	707 E. Vermont Ave, Anaheim	Cal
Johnson Co., E. F., 7	Waseca	Minn
Knight Electronics, 1-4-5-6-7-8	210 S. Des Plaines St, Chicago 6	Ill
Magnaflux Corp., Sub, General Mills, 6	7328 W. Lawrence Ave, Chicago 31	Ill
Molded Insulation Co., 6	335 E. Price St, Phila 44	Pa
MULLARD OVERSEAS, LTD., 1-4, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
NATIONAL RADIO CO., 8, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
PESCHEL ELECTRONICS, INC., 6, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
PHILBRICK RESEARCHES, INC., GEORGE A., 2-4, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philmore Mfg. Co., Inc., 4-5-7	130-01 Jamaica Ave, Richmond Hill 18	NY
Pioneer Industries Div., Almar-York Co., Inc., 6	3455 W. Vickery, Fort Worth 7	Tex
PRECISION APPARATUS CO., INC., 1-6-8, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 6, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Ram Electronics, Inc., 6	600 Industrial Ave, Paramus	NJ
Seco Mfg. Co., 6	5015 Penn Ave S., Minneapolis	Minn
Servo-Tek Products Co., Inc., 6	1086 Goffle Rd, Hawthorne	NJ
Sorensen Industrial Electronic Co., 6-7	Rt 10, Dover	NJ
Soroban Engineering, Inc., 2	P.O. Box 1717, Melbourne	Fla
Stark Electronic Instruments, Ltd., 5-6	P.O. Box 670, Ajax, Ontario, Canada	
State Testing Laboratory, Inc., 6	215 Knowlton St, Bridgeport 8	Conn
Superex Electronics Corp., 5	4-6 Radford Pl, Yonkers	NY
Thermovolt Instruments, Ltd., 6	70 Advance Rd, Toronto 18, Ontario, Canada	
Wells Industries Corp., 6	6880 Troost Ave, North Hollywood	Cal
Westrex Corp., Div., Litton Industries, 1-4-5-6-7	540 W. 58 St, New York 19	NY
Winder Aircraft Corp., 5-6	Dunnellon Air Base, Dunnellon	Fla
Wintronics, 1	213 S. Hawthorne Blvd, Hawthorne	Cal

KLYSTRON AFC AMPLIFIERS See **AMPLIFIERS** –*MICROWAVE*
KLYSTRON AMPLIFIERS See **AMPLIFIERS** –*MICROWAVE*
KLYSTRON MOUNTS See **MOUNTS** –*KLYSTRON*
KLYSTRON OSCILLATORS See **OSCILLATORS** –*MICROWAVE*
KLYSTRON POWER SUPPLIES See **POWER SUPPLIES** – *D-C OUTPUT*
KLYSTRONS See **TUBES** –*MICROWAVE*
KLYSTRON TESTERS See **TESTERS** –*TUBE*
KLYSTRON TUNERS See **TUNERS**

KNOBS

ACTON LABS, INC., Adv Pg 222	**533 Main St, Acton**	**Mass**
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
AUDIOTEX MFG. CO., Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Bell, Inc., F.W.	1356 Norton Ave, Columbus 12	Ohio
Blinn Co., Delbert	P.O. Box 757, Pomona	Cal
Bodnar Industries, Inc	238 Huguenot St, New Rochelle	NY
Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
Colman Electronic Products, Inc	P.O. Box 2965, Amarillo	Tex
DALE PRODUCTS, INC., Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
Darrill Products Corp	107 Falmouth St, Attleboro	Mass
Davies Molding Co., Harry	1428 N. Wells, Chicago 10	Ill
DIMCO-GRAY CO., Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Dunwell Mfg. Corp	159-161 Ft. Lee Rd, Teaneck	NJ
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
INDUSTRIAL DEVICES, INC., Adv Pg 558	**Edgewater 8**	**NJ**
JANCO CORP., Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Kerrco	Box 4178, Havelock Sta, Lincoln 7	Neb
Kilo Engineering Co	2011 Third St, La Verne	Cal
Kurz-Kasch, Inc	1421 S. Broadway, Dayton 1	Ohio
Lerco Electronics, Inc	501 S. Varney St, Burbank	Cal
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
NATIONAL RADIO CO., Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Olympic Plastics Co., Inc	3471 S. La Cienega, Los Angeles 16	Cal
Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64	Cal
Plasteck, Inc	Box 551, Poteau	Okla
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
ROGAN BROTHERS, Adv Pg 530	**8031 N. Monticello Ave, Skokie**	**Ill**
Romar Plastics Inc	1311 E. Main St, St. Charles	Ill
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Rubbercraft Corp of California	1800 W. 220 St, Torrance	Cal
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
TV Development Corp	187-61 Hollis Ave, Jamaica	NY
U.S. Engineering Co., Div., Litton Ind	13536 Saticoy, Van Nuys	Cal
Waterbury Companies, Inc	Waterbury 20	Conn
WHITSO, INC., Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**

LABELS –*PRESSURE-SENSITIVE*

1. CHASSIS-MARKING 2. TERMINAL-IDENTIFYING 3. WIRE-IDENTIFYING
See *Also* **NAME PLATES; TAPE** –*GENERAL PURPOSE*

AUDIOTEX MFG. CO., 1, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Avery Label Co., 1-2-3	1616 S. California Ave, Monrovia	Cal
Brady Co., W.H., 1-2-3	727 West Glendale Ave, Milwaukee 12	Wisc
Brand William-Rex Div., 3	31 Sudbury Rd, Concord	Mass
Brand William-Rex Div., 3	31 Sudbury Rd, Concord	Mass
Canadian Radium & Uranium Corp., 1	630 Fifth Ave, New York 20	NY
Chart-Pak, Inc., 3	Leeds	Mass
Croname, Inc., 1-2	6247 Howard St, Chicago 48	Ill
Dennison Mfg. Co., 1-2-3	300 Howard St, Framingham	Mass
Devon Tape Corp., 1-2	110 Hartford Ave, Mt. Vernon	NY
Duralith Corp., 1-2-3	1025 Race St, Phiadelphia 7	Pa
Fabra-Print, Inc., 1-2-3	801 S.E. 8th St, Minneapolis 14	Minn
Labelon Tape Co., Inc., 1-2-3	450 Atlantic Ave, Rochester 9	NY
Mahler Research Foundation, 1	P.O. Box 1159, New York 1	NY
Master Tape Printers, Inc., 1-2-3	1323 W. Wilson Ave, Chicago	Ill
National Decalcomania Corp., 1-2-3	238 N. 60 St, Philadelphia	Pa
New England Etching Co., Inc., 1-2	25 Spring St, Holyoke	Mass
North Shore Nameplate Div of Anodyne, Inc., 1-2-3	214-27 Northern Blvd, Bayside 61	NY
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Park Nameplate Co., Inc., 1-2	34-10 Linden Pl, Flushing 54	NY
Pee Cee Tape & Label Co., Inc., 1-2-3	521 N. La Brea Ave, Los Angeles	Cal
STAFFORD MFG. CO., INC., 1-2-3, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Stanpat, 1-2	150-42 12th Rd, Whitestone 57	NY
Tablet & Ticket Co., 1-3	1021 W. Adams St, Chicago 7	Ill
Topflight Corp., 1-2-3	160 E. Ninth Ave, York	Pa
Unisco, Inc., 1-2	1061 Linden Ave, Ridgefield	NJ
Westline Products Div., Western Litho. Co., 1-2-3	600 E. 2nd St, Los Angeles 54	Cal
Willson Camera Co., Inc., 3	1395 Lawrence Rd, Havertown	Pa
ZIPPERTUBING CO., 3, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

LABORATORIES –*TESTING, ELECTRONIC*

ASSOCIATED TESTING LABS., INC., Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Calif Testing Labs., Inc	21133 Costanso St, Woodland Hills	Cal
Electrical Testing Laboratories, Inc	2 E. End Ave, New York 21	NY
General Testing Labs., Inc	59 Washington Ave, Carlstadt	NJ
Inland Testing Lab	2745 N. Janssen Ave, Chicago 14	Ill
NY Testing Laboratories, Inc	47 West St, New York	NY
Rototest Labs., Inc	2803 Los Flores Blvd, Lynwood	Cal
U S Testing Co., Inc	1415 Park Ave, Hoboken	NJ

LABORATORIES –*TESTING, ENVIRONMENTAL*

ACTON LABS., INC., Adv Pg 222	**536 Main St, Acton**	**Mass**
Anderson Physical Lab	609 S. 6th St, Champaign	Ill
ASSOCIATED TESTING LABORATORIES, INC., Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Atmosphere Control Co., Inc	5315 Chester Ave, Philadelphia 43	Pa
Bowser-Morner Test Labs	141 Bruen at Scott, Dayton	Ohio
Brew Co., Inc., Richard D	90 Airport Rd, Concord	NH
California Testing Labs	21133 Costanso St, Woodland Hills	Cal
Colburn Labs., Inc	723 S. Federal St, Chicago	Ill
Electrical Testing Laboratories, Inc	2 E. End Ave, New York 21	NY
General Testing Laboratories, Inc	59 Washington Ave, Carlstadt	NJ
Hermetic Seal Transformer Co., Div., Dresser Ind Co	Box 978, Garland	Tex
ITEMLAB INC., Adv Pg 202	**16 Beechwood Ave, Pt. Washington**	**NY**
NY Testing Laboratories, Inc	47 West St, New York	NY
Patzig Testing Labs	Ingersoll Ave, Des Moines	Iowa
Rototest Lab., Inc	2803 Los Flores Blvd, Lynwood	Cal
Stellardyne Labs., Inc	1525 Cayamaca, El Cajon	Cal
U S Testing Co., Inc	1415 Park Ave, Hoboken	NJ
Wyle-Parameters Inc	195 Herricks Rd, New Hyde Park	NY
York Research Corp	1 Research Dr, Stamford	Conn

LACING CABLES, CORDS & RIBBONS See **CORDS** –*LACING*

LACQUERS

Ambroid Co	P.O. Box 30, Weymouth 88	Mass
Amerconda Chemical Co	170 Broadway, New York 38	NY
Barrett Varnish Co	1532 S. 50 Court, Cicero 50	Ill
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
ETCHOMATIC, INC., Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
INSL-X Co., Inc	Water St, Ossining	NY
Krylon, Inc	Ford & Washington, Norristown	Pa
Maas & Waldstein Co	2121 McCarter Hwy, Newark 4	NJ
Metal & Thermit Corp	Rahway	NJ
Micro-Circuits Co	New Buffalo	Mich
National Decalcomania Corp	238 N. 60 St, Philadelphia	Pa
National Video Corp	4300 W. 47 St, Chicago 32	Ill
Standard-Toch Chemicals, Inc	2600 Richmond Terr, Staten Island 3	NY
Sterling Varnish Co	Haysville Borough, Sewickley	Pa
Westline Products Div., Western Litho. Co	600 E. 2nd St, Los Angeles 54	Cal

LAMINATED CORES See **CORES** –*LAMINATED*
LAMINATED PLASTICS See **PLASTICS** –*SHEET & LAMINATE*
LAMINATED METAL PARTS See **METAL PARTS** –*LAMINATED*

LAMINATES –*COPPER-CLAD PRINTED-CIRCUIT (MATERIALS: FOR FABRICATED PARTS,* See **CIRCUITS** –*PRINTED WIRING)*
1. EPOXY, PAPER-REINFORCED 2. EPOXY, GLASS-REINFORCED 3. MELAMINE 4. PHENOLIC, GLASS-REINFORCED 5. PHENOLIC XXP 6. PHENOLIC XXXP 7. SILICONE 8. TEFLON 9. TEFLON, GLASS-REINFORCED

Acme Wire Co., 4-7	New Haven 14	Conn
Airtronics, Inc., 1-2-3-4-5-7-8-9	5522 Dorsey Ln, Washington 16	DC
American Mica Insulation Co., 1-2-3-4-5-6-7-8-9	235 Parker Ave, Manasquan	NJ
American Printed Circuits Co., Inc., 1-2-7-8	Forrest St, Metuchen	NJ
Amflex Products Dept., Amer Mach & Fdry., 7-8-9	689 Hope St, Springdale	Conn
Auburn Mfg. Co., The, 7-8-9	Pease Ave & Stack St, Middletown	Conn
Automated Circuits Inc., 2-7-8-9	P.O. Box 38, Station J, Buffalo 8	NY
Bache & Co., Semon, 2-4	636 Greenwich St, New York 14	NY
Bomyte Co., The, 1-2-3-4-5-6-7	Green St, Silverdale	Pa
Bonny Mfg. Corp., 8-9	146 Main St, Maynard	Mass
Budd Co., 1-2-3-4-5-6-7-8-9	2450 Hunting Park Ave, Philadelphia 22	Pa
CINCH MFG. CO., 1-2-5-6-8-9, Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
CONTINENTAL-DIAMOND FIBRE CORP., 1-2-5-6-8-9, Adv. Pgs. 205-208	**Newark 100**	**Del**
Darrill Products Corp., 8-9	107 Falmouth St, Attleboro	Mass
du Pont de Nemours & Co., Inc., E.I., 8-9	Wilmington 98	Del
Duralith Corp., 3	1025 Race St, Phiadelphia 7	Pa
Enflo Corp., 8-9	Fellowship Rd, Rt. 73, Maple Shade	NJ
Ethylene Corp., 8-9	245 Broad St, Summit	NJ
Fabra-Print, Inc., 1-2-3-4-5-6	801 S.E. 8th St, Minneapolis 14	Minn
Flexrock Co., 8-9	3608 Filbert St, Philadelphia 1	Pa
Franklin Fibre Lamitex Corp., 1-2-3-4-5-6-7-8-9	P.O. Box 1768, Wilmington	Del
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 8, Adv Pg 218	**Camden 1**	**NJ**
General Components Co., 1-2-3-4-5-6-7-8-9	225-229 E. 144th, New York 51	NY
General Electric Co., Laminated Products Dept., 1-2-3-4-5-6-7	Coshocton	Ohio
General Plastics Corp., 8-9	P.O. Box 1689, Paterson	NJ
Halogen Insulator & Seal Corp., 8-9	9960 Pacific Ave, Franklin Park	Ill
Illumitronic Engineering, 1-2-5-6-8	680 E. Taylor, Sunnyvale	Cal
Insulating Fabricators, Inc., 1-2-3-4-5-6-7-8-9	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 1-2-3-4-5-6-7-8-9	565 W. Washington Blvd, Chicago 6	Ill
International Resistance Co., 2-8-9	401 N. Broad St, Philadelphia	Pa
Isochem Resins Co., 1-2	221 Oak St, Providence 9	RI
Joclin Mfg. Co., 8-9	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 7-8	22 E. 40 St, New York 16	NY
Laminated Sheet Prods, Corp. 1-2-3-4-5-6-7-8-9	449 Neponset St, P.O. Box 390, Norwood	Mass

Long, Inc., Thomas J., 1-2-3-4-5-6-7-8-9	215 Stonehinge Ln, Carle Place	NY
Mica Corp., 2	4031 Elenda, Culver City	Cal
Mica Fabricating Co., 3-4-5-6-8-9	53 Central Ave, Rochelle Park	NJ
Mica Insulator, Div Minnesota & Mfg Co., 2-3-4-5-6-7-8-9	797 Broadway, Schenectady 1	NY
Minnesota Mining & Mfg. Co., 2-9	900 Bush Ave, St. Paul 6	Minn
Narmco Materials Div., Sub., Telecomputing Corp., 2-4-7	600 Victoria St, Costa Mesa	Cal
National Vulcanized Fibre Co., 1-2-3-4-5-6	Box 311, Wilmington 99	Del
NEW ENGLAND LAMINATES CO., INC., 1-2-4-5-6, Adv Pg 298	**481 Canal St, Stamford**	**Conn**
Northern Plastics Corp., 1-2-3-4-5-6	Second & Market Sts, LaCrosse	Wisc
Oki & Willadsen, Ltd., 1-2-3-4-5-6-7-8-9	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Panelyte Div., St. Regis Paper Co., 1-2-3-4-5-6-7-8	N. Enterprise Ave, Trenton 8	NJ
Penn Fibre & Specialty Co., 2-3-4-5-6	2020 E. Westmoreland St, Philadelphia 34	Pa
REF Mfg. Co., 2	Jericho Trnpk, Mineola	NY
RICHARDSON CO., THE, 1-2-3-5-6, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Romar Plastics Inc., 3-4-5-6	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 2-3-4	239 Jacksonville Rd, Hatboro	Pa
Rubbercraft Corp of California, 7	1800 W. 220 St, Torrance	Cal
Shamban & Co., W.S., 8-9	11617 W. Jefferson Blvd, Culver City	Cal
Silicones Div., UCC, 7	270 Park Ave, New York 17	NY
Sillcocks-Miller Co., 8	Maplewood	NJ
Sparta Mfg. Co., 8-9	P.O. Box 107, Dover	Ohio
Spaulding Fibre Co., Inc., 1-2-5-6	310 Wheeler St, Tonawanda	NY
Stalwart Rubber Co., 7	160 Northfield Rd, Bedford	Ohio
Stevens Products, Inc., 2-3-4-7	86-88 Main St, East Orange	NJ
SYNTHANE CORP., 1-2-3-4-5-6, Adv Pg 35	**Oaks**	**Pa**
Taylor Fibre Co., 1-2-3-4-5-6-7	Norristown 51	Pa
Tingstol Co., 1-2-3-4-5-6-7-8-9	1340 W. Fullerton, Chicago 14	Ill
VECTOR ELECTRONIC CO., 1-2-6-7, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
WESTINGHOUSE ELECTRIC CORP., 1-2-3-4-5-6-7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Willson Camera Co., Inc., 3	1395 Lawrence Rd, Havertown	Pa
Zenith Plastic Co., 2-5-7	P.O. Box 91, Gardena	Cal

LAMINATIONS —*TRANSFORMER*

Curry Arts	522 Green Ridge St, Scranton 9	Pa
G-L Electronics Co., Inc	2921 Admiral Wilson Blvd, Camden 5	NJ
General Components Co	225-229 E. 144th, New York 51	NY
Isochem Resins Co	221 Oak St, Providence 9	RI
Kobzy Tool Co	1535 N. Dayton, Chicago 22	Ill
Magnetic Metals Co	Hayes Ave at 21 St, Camden	NJ
Mica Fabricating Co	53 Central Ave, Rochelle Park	NJ
Mica Insulator, Div of Minnesota Mining & Mfg. Co.	797 Broadway, Schenectady 1	NY
New Jersey Wood Finishing Co	Amboy Ave, Woodbridge	NJ
Repath Pacific Div., Arnold Engineering Co	641 E. 61 St, Los Angeles 1	Cal
Tempel Steel Co.	1939 Bryn Mawr Ave, Chicago 26	Ill
THOMAS & SKINNER, INC., Adv Pg 532	**1122 E. 23rd St, Indianapolis 5**	**Ind**
Wiegand Mfg. Co	130 E. Hawthorne Ave, Valley Stream	NY

LAMP ASSEMBLIES —*PILOT*

Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Control Switch Div., Controls Co of America	4218 W. Lake St, Chicago 24	Ill
Drake Mfg. Co	4626 N. Olcott, Chicago 31	Ill
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
INDUSTRIAL DEVICES, INC., Adv Pg 558	**Edgewater 8**	**NJ**
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Kulka Electric Corp	633 S. Fulton Ave, Mt. Vernon	NY
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pendar, Inc	14744 Arminta St, Van Nuys	Cal
Permonite Mfg. Co	910 W. Jackson Blvd, Chicago 7	Ill
Signalite, Inc	37-41 Neptune Hwy, Neptune	NJ
Tingstol Co	1340 W. Fullerton, Chicago 14	Ill
Transistor Electronics Corp	3357 Republic Ave, Minneapolis 26	Minn

LAMP PLATES See PLATES —*TRANSLUCENT*

LAMPS

1. GLOW 2. PANEL, PILOT & DIAL, INCANDESCENT 3. PHOTOFLASH 4. PRINTED-CIRCUIT, FLARE-MOUNT 5. PROJECTION 6. STROBOSCOPIC SOURCE 7. SUBMINIATURE 8. ULTRAVIOLET

AEROLUX LIGHTS CORP., 1-6-8, Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
ALDEN PRODUCTS CO., 1-2-7, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Alden Systems, Inc., 1-2	Alden Research Center, Westboro	Mass
Amglo Corp., 3-6	4333 N. Ravenswood Ave, Chicago 13	Ill
Blacklight Corp of America, 8	5112 Walnut Grove Ave, San Gabriel	Cal
Black Light Eastern Corp., 8	201-04 Northern Blvd, Bayside	NY
Bodnar Industries, Inc., 2-4-7	238 Huguenot St, New Rochelle	NY
Burton Instruments, Div Burton Mfg., 8	2520 Colorado Ave, Santa Monica	Cal
Carling Electric, Inc., 2	505 New Park Ave, W. Hartford 10	Conn
Cerberus AG, 1	Mannedorf, Switzerland	
CHICAGO MINIATURE LAMP WORKS, 1-2-4-7, Adv Pg 551	**1500 N. Ogden Ave, Chicago 10**	**Ill**
CIRCON COMPONENT CORP., 1-2-4-7, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Cole-Hersee Co., 2	20 Old Colony Ave, Boston	Mass
Control Switch Div., Controls Co of America, 2	4218 W. Lake St, Chicago 24	Ill
CURTISS-WRIGHT CORP., PRINCETON DIV., 8, Adv Pg 75	**Princeton**	**NJ**
Dallons Semiconductors Div., 8	5066 Santa Monica, L A 29	Cal
DIALIGHT CORP., 1-2, Adv Pg 563	**60 Stewart Ave, Brooklyn 37**	**NY**
Drake Mfg. Co., 1-2	4626 N. Olcott, Chicago 31	Ill
Eagle Electric Mfg. Co., Inc., 2	23-10 Bridge Plaza S., L.I. City	NY
Eldema Corp., 2-7	1805 Belcroft Ave, El Monte	Cal
Engelhard Industries, Inc., 8	113 Astor St, Newark 2	NJ
Epic, Inc., 8	150 Nassau St, New York 38	NY
Fedtro, Inc., 1-2	Fed Electr Bldg, Rockville Centre	NY
Fidelity Amplifier Co., 2	1633 N. Halsted St, Chicago 14	Ill
Flexo International Corp., 8	3720 N. Milwaukee Ave, Chicago 41	Ill
Gardner Laboratories, 8	5521 Landy Ln, Bethesda	Md
Gates & Co., George W., 8	Hempstead & Lucille, Franklin Sq	NY
General Electric Co., Miniature Lamp Dept., 1-2-3-4-5-6-7-8	Nela Park, Noble Rd, Cleveland	Ohio
Gordon Enterprises, 1-2-3-5	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Green Rectifier Co., 2	1-10 30th St, Fair Lawn	NJ
Hudson Lamp Co., 1-2	528 Elm St, Kearny	NJ
INDUSTRIAL DEVICES, INC., 1-2, Adv Pg 558	**Edgewater 8**	**NJ**
Interstate Electronics Corp., 3-6	707 E. Vermont Ave, Anaheim	Cal
Kemlite Laboratories, Inc., 6-8	1819 W. Grand Ave, Chicago 22	Ill
Kirkland Co., H.R., 2	8 King St, Morristown	NJ
Leecraft Mfg. Co., Inc., 2	60 Greene St., Dept 18, New York 12	NY
Magnaflux Corp., Sub, General Mills, 8	7328 W. Lawrence Ave, Chicago 31	Ill
Marco Industries Co., 1-2-7	207 S. Helena St, Anaheim	Cal
MICO INSTRUMENT CO., 8, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
North American Electric Lamp Co., 2	1520 N. 13 St, St. Louis 6	Mo
Oki & Willadsen, Ltd., 2-4-7	47 Crockford Blvd, Toronto 16, Ontario, Canada	
OXFORD ELECTRIC CORP., 1-2, Adv Pg 556	**3911 S, Michigan Ave, Chicago 53**	**Ill**
PEK Labs., Inc., 3-5-6-8	4024 Transport St, Palo Alto	Cal
Pendar, Inc., 1-2	14744 Arminta St, Van Nuys	Cal
Plasteck, Inc., 2-4	Box 551, Poteau	Okla
Plastronic Engineering Co., 2	721 Boston Post Rd, Marlborough	Mass
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 2, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Research, Inc., 8	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Shamban & Co., W.S., 4	11617 W. Jefferson Blvd, Culver City	Cal
Shannon Luminous Materials Co., 8	7356 Santa Monica Blvd, Hollywood	Cal
Signal Indicator Corp., 1-2	43 Stewart Ave, Brooklyn 37	NY
Signalite, Inc., 1	37-41 Neptune Hwy, Neptune	NJ
Sittler Corp., 2	18 N. Ada St, Chicago 7	Ill
Sloan Co., Autotimer/Colorlite Divs., 1-2-7	7704 San Fernando Rd, Sun Valley	Cal
Smith, Inc., Herman H., 2	2326 Nostrand Ave, Brooklyn 10	NY
Smith Mfg. Co., J & H, 2	Little Britain Rd, Newburgh	NY
Sperti-Faraday, 6-8	722 Grand St, Hoboken	NJ
Stroblite Co., 8	77 W. 45 St, New York	NY
Swing-O-Lite, Inc., 2-6	15 Moonachie Rd, Hackensack	NJ
Sylvania Lighting Products, 2-3-7	60 Boston St, Salem	Mass
Sylvania Photolamp & Special Products, 1-2-3-4-5-6-7-8	60 Boston St, Salem	Mass
Talkmaster, Inc., 1-2	534 Laurel St, San Carlos	Cal
TECHNICAL APPARATUS BUILDERS, 3, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Transistor Electronics Corp., 2-4	3357 Republic Ave, Minneapolis 26	Minn
TUNG-SOL ELECTRIC, INC., 1-2, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
UCINITE CO., DIV., UCC, 2-4-7, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Ultra-Violet Products, Inc., 8	5114 Walnut Grove Ave, San Gabriel	Cal
U. S. Nuclear Corp., 8	801 N. Lake St, Burbank	Cal
Vemaline Products Co., 2	P.O. Box 222ED, Hawthorne	NJ
West Coast Research Corp., 3-6	2102 S. Sepulveda Blvd, Los Angeles	Cal
Western Coil & Electrical Co., 8	215 State St, Racine	Wisc
WESTINGHOUSE ELECTRIC CORP., 1-2-3-5-7-8, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 1-2-3-4-5-7-8	Bloomfield	NJ

LAMP SHIELDS See SHIELDS-LAMP
LAMPS —*INFRARED* See INFRARED DEVICES
LAMP SOCKETS See SOCKETS —*LAMP*
LATHES —*RECORDING* See RECORDERS —*DISK*
LAVA See CERAMICS

LEAD

1. BARS 2. FINISHED PARTS 3. FOIL 4. SHEETS

Accurate Specialties Co., Inc., 1-2-3-4	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-2-3-4	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 1-2-3-4	600 Water St, Jersey City	NJ
American Smelting & Refining Co., 1-4	120 Broadway, New York 5	NY
Anchor Metal Co., The, 1-2-3-4	966 Meeker Ave, Brooklyn 22	NY
Auburn Mfg. Co., The, 2	Pease Ave & Stack St, Middletown	Conn
Bar-Ray Products, Inc., 3-4	213 25 St, Brooklyn 32	NY
Belmont Smelting & Refining Works, 3-4	332 Belmont Ave, Brooklyn 7	NY
Bow Solder Products Co., Inc., 1-3-4	251 Freeman St, Brooklyn 22	NY
Consolidated Mng. & Smltg. Can. Ltd., 1-4	215 St. James St W., Montreal, Canada	
Division Lead Co., 1-2-3-4	7742 W. 61st Pl, Summit	Ill
Harmon Lichtenstein & Co., 1-4	26 Broadway, New York 4	NY
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
Johnson Mfg. Co., Inc., 1	Mt. Vernon	Iowa
A.D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY
National Lead Co., 1-2-3-4	111 Broadway, New York 6	NY
Penn Fibre & Specialty Co., 2	2020 E. Westmoreland St, Philadelphia 34	Pa
Ray Proof Corp., 1-2-3-4	843 Canal St, Stamford	Conn
Revere Copper & Brass, Inc., 3	230 Park Ave, New York 17	NY
Semi-Alloys, Inc., 1-2-3-4	550 S. Fulton Ave, Mt. Vernon	NY
U. S. Nuclear Corp., 2	801 N. Lake St, Burbank	Cal
Var-Lac-Oid Chemical Co., 3	116 Broad St, New York 4	NY
ZIPPERTUBING CO., 2, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

LEAD-CUTTING MACHINES See MACHINES —*LEAD-CUTTING & FORMING*

LEADS —*TEST*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co	P.O. Box 31, Lancaster	Cal
American Smelting & Refining Co	120 Broadway, New York 5	NY
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
ASSOCIATED ENGINEERING CORP., Adv Pg 548	**65 Kent St, Brookline 46**	**Mass**
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
Donmar Products, Inc	P.O. Box 8396, Denver 10	Colo
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Hi-Lo Mfg. Corp	1122 W. Newport Ave, Chicago 13	Ill
Javex Electronics	P.O. Box 646, Redlands	Cal
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Pomona Electronics Co., Inc	1126 W. Fifth Ave, Pomona	Cal
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Tricraft Products Corp	1124 W. Newport Ave, Chicago 13	Ill
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**

LEAK DETECTORS See DETECTORS —*LEAK*

LEATHERETTE

U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY

LEHRS —See **FURNACES: OVENS**
LENSES —*INFRARED* See **INFRARED DEVICES**

LENSES —*MICROWAVE*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Airtec, Inc	139 E. First Ave, Roselle	NJ
Instrument Systems Corp	129–07 18th Ave, College Point 56	NY
Precision Microwave Corp	Main St, Millis	Mass
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**

LENSES —*OPTICAL*
1. GENERAL-PURPOSE 2. TV CAMERA 3. TV PROJECTION RECEIVER

American Instrument Co., Inc., 1	8030 Georgia Ave, Silver Spring	Md
Atlantic Research Corp., 1–2	Shirley Hwy at Edsall Rd, Alexandria	Va
Bache & Co., Semon, 1–2–3	636 Greenwich St, New York 14	NY
Bausch & Lomb, 1–2–3	61461 Bausch St, Rochester 2	NY
Buhl Optical Co., 1–3	1009 Beech Ave, Pittsburgh 33	Pa
BURKE & JAMES, INC., 1–2–3, Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Chicago Aerial Industries, 1	1980 N. Hawthorne, Melrose Park	Ill
Consolidated Electrodynamics Corp., 1	360 N. Sierra Madre Villa, Pasadena	Cal
Dage TV Div., Thompson-Ramo-Wooldridge, 2	W. Tenth St, Michigan City	Ind
Eastman Kodak Co., 1–2	343 State St, Rochester 4	NY
Edmund Scientific Co., 1	502 E. Gloucester Pike, Barrington	NJ
Engelhard Industries, Inc., 1	113 Astor St, Newark 2	NJ
Fecker, Inc., J.W., 1–3	6592 Hamilton Ave, Pittsburgh 6	Pa
FISH-SCHURMAN CORP., 1, Adv Pg 468	**70 Portman Rd, New Rochelle**	**NY**
Gaertner Scientific Corp., 1	1239 Wrightwood, Chicago 14	Ill
GATES RADIO CO., 2–3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Goerz American Optical Co., C.P., 1–2–3	461 Doughty Blvd, Inwood 96	NY
Gordon Enterprises, 1–2–3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Grimson Color, Inc., 2	381 4th Ave, New York 16	NY
Interstate Electronics Corp., 2	707 E. Vermont Ave, Anaheim	Cal
Kollmorgen Optical Corp., 1	347 King St, Northampton	Mass
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 1	80–08 45th Ave, Elmhurst 73	NY
Lancaster Glass Corp., 1	Lancaster 20	Ohio
National Cine Equipment, Inc., 1–2–3	209 W. 48 St, New York	NY
Norden Div., United Aircraft Corp., 2	58 Commerce Rd, Stamford	Conn
Pacific Tranducer Corp., 1	11836 W. Pico Blvd, Los Angeles 64	Cal
Pacific Universal Products Corp., 1	168 Vista Ave, Pasadena 8	Cal
Perkin-Elmer Corp., The, 1	Main Ave, Norwalk	Conn
Polan Industries, Inc., 1	P.O. Box 1720, Huntington 19	W. Va
Radio Corp of America Indl Electronic Prods, 1–2–3	Front & Cooper, Camden	NJ
Republic Lens Co., Inc., 1–2–3	31 E. 169th St, New York 52	NY
Seiscor Div., Seismograph Service Corp., 1	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
VALPEY CRYSTAL CORP., 1, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Wallin Optical Systems, Inc., 1	18670 Ventura Blvd, Tarzana	Cal
Zenith Optical Laboratory, 1	1940 Great Neck Rd, Copiague	NY

LEVEL CONTROLS See **CONTROLS** —*LEVEL*
LEVEL INDICATORS See **INDICATORS** —*LEVEL*
LEVEL RECORDERS See **RECORDERS** —*LEVEL*
LEVEL TRANSDUCERS See **TRANSDUCERS**

LIE DETECTORS —*ELECTRONIC*

ASSOCIATED RESEARCH, INC., Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ

LIGHT CONTROLS See **CONTROLS** —*PHOTOELECTRIC*

LIGHTING EQUIPMENT-TV

GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Green Rectifier Co	1–10 30th St, Fair Lawn	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Lancaster Glass Corp	Lancaster 20	Ohio
Mole-Richardson Co	937 N. Sycamore Ave, Hollywood 38	Cal
National Cine Equipment, Inc	209 W. 48 St, New York	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Superior Electric Co	83 Laurel St, Bristol	Conn
Television Specialty Co	350 W. 31 St, New York 1	NY

LIGHT METERS See **METERS** —*LIGHT*
LIGHTS See **LAMPS**
LIGHT-SENSITIVE ACIDS See **CHEMICALS** —*PRINTED-CIRCUIT*

LIGHT SOURCES —*RADIOACTIVE*

CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

LIMITERS —*SURGE*

GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ

LIMITING AMPLIFIERS See **AMPLIFIERS – A-F: AMPLIFIERS** —*COMPUTER*
LINE AMPLIFIERS See **AMPLIFIERS – A-F**
LINEAR AMPLIFIERS See **AMPLIFIERS** —*COMPUTER*
LINE-CORD PLUGS See **PLUGS**
LINE CORDS WITH PLUGS See **CORDS** —*LINE*
LINE-CORD WIRE See **WIRE** —*LINE-CORD*
LINE PRINTERS See **PRINTERS** —*LINE*
LINERS —*CAN* See **INSULATORS** —*CAN LINER*
LINES —*DELAY* See **DELAY LINES**

LINE SELECTORS-TV

Dage TV Div., Thompson-Ramo-Wooldridge	W. Tenth St, Michigan City	Ind
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	

LIGHTHOUSE TUBES See **TUBES** —*PLANAR -*
LINES —*SLOTTED* See **DETECTORS** —*STANDING-WAVE*
LINE STRETCHERS See **STRETCHERS** —*LINE*
LINES —*TRANSMISSION* See **CABLES** —*UNSHIELDED*

LINKS —*ANTENNA*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**

LINKS —*MICROWAVE ANTENNA RELAY* See **RELAYS** —*MICROWAVE*
LIQUEFIED GASES See **GASES**
LIQUID DIELECTRICS See **DIELECTRICS** —*LIQUID*
LIQUID-LEVEL CONTROLS See **CONTROLS** —*LEVEL*
LIQUID-LEVEL INDICATORS See **INDICATORS** —*LEVEL*
LIQUID-LEVEL RECORDERS See **RECORDERS** —*LEVEL*

LITHIUM COMPOUNDS *(FOR CATHODE-RAY SCREENS)*

Foote Mineral Co	452 W. Chelten Bldg, Philadelphia 44	Pa
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
SEMI-ELEMENTS, INC., Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**

LITZ WIRE See **WIRE** —*LITZ*
LOAD CELLS See **TRANSDUCERS** —*PRESSURE*

LOADS —*DUMMY*
1. POWER 2. R-F

Aircom, Inc., 1–2	48 Cummington St, Boston	Mass
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2	200 E. Hanover Ave, Morris Plains	NJ
American Development Electronics Co., 2	212 Central Ave, Newark	NJ
AMERICAN ELECTRONIC LABS., INC., 2, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American-Monarch Corp., 1–2	2801 37 Ave N.E., Minneapolis 18	Minn
Ardwin Microlab Inc., 1–2	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 1–2, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 2, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Aviation Electric, Ltd., 2	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avtron Mfg. Inc	10409 Meech St, Cleveland	Ohio
Barker & Williamson, 2	Canal & Beaver Sts, Bristol	Pa
Bayly Engineering, Ltd., 1–2	Hunt St, Ajax, Ontario, Canada	
Belmar Wheel & Machine Co., 1	1707 F St, Belmar	NJ
BIRD ELECTRONIC CORP., 1–2, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Blackburn Electronic Corp., 1–2	55 W. 7th St, Wyoming	Pa
Bogart Mfg. Corp., 1–2	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., 2, Adv Pg 409	**43–01 22 St, Long Island City 1**	**NY**
Caswell Electronics Corp., 2	414 Queens Ln, San Jose 12	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 1, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Chemalloy Electronics Corp., 2	Gillespie Field, Santee	Cal
Continental Electronics Mfg. Co., 2	4212 S. Buckner Blvd, Dallas 27	Tex
CONTROL ELECTRONICS CO., INC., 1, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 1–2, Adv Pg 485	**550 High St, Bradford**	**Pa**
Crown Controls Co., Inc., 2	40 S. Washington St, New Bremen	Ohio
CUSTOM COMPONENTS, INC., 1–2, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
DEMORNAY-BONARDI, 2, Adv. Pgs. 380,381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 2	River St, Winchester	Mass
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 2	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., 1–2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dynamic Electronics, Capehart Corp., 2	87–46 123 St, Richmond Hill 18	NY
E.P. Electric Products Co., Ltd., 1	9720 Waverly St, Montreal 12, Que, Canada	
EITEL-McCULLOUGH, INC., 1–2, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRO IMPULSE LAB., INC., 2, Adv Pg 335	**208 River St, Red Bank**	**NJ**
EMPIRE DEVICES PRODUCTS CORP., 1–2, Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., 1–2, Adv. Pgs. 273–276	**26–12 Borough Pl, Woodside 77**	**NY**
Filmohm Corp., 2	48 W. 25 St, New York 10	NY
GATES RADIO CO., 1–2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 2	147–12 Liberty Ave, Jamaica 35	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1–2, Adv. Pgs. 7–11, 15	**1 River Rd, Schenectady 5**	**NY**
General Measurements Co., Inc., 2	1108 Beacon St, Newton Highlands 61	Mass
Gilfillan Bros., Inc., 1–2	1815 Venice Blvd, Los Angeles 6	Cal
Gorham Electronics, Div of Gorham Mfg. Co., 1–2	333 Adelaide Ave, Providence 7	RI
Hoffman Co., H.L., 2	35 Old County Rd, Westbury	NY
Houliban Co., T.J., 2	2510 W. Lawrence Ave, Chicago 25	Ill
I-T-E CIRCUIT BREAKER CO., 1–2, Adv Pg 449	**601 E. Erie Ave, Philadelphia 34**	**Pa**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1–2, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KINGS ELECTRONICS CO., INC., 2, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
LAPP INSULATOR CO., INC., RADIO SPECIALTIES DIV., 2, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Lawn Electronics Corp., 1	Woodward Rd, Englishtown	NJ
LIECO, INC., 2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Lumen, Inc., 1	P.O. Box 905, Joliet	Ill
MAURY & ASSOCIATES, 2, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
MICROLAB, 1–2, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1–2	Box 1166, Greenwich	Conn
Microwave Associates, Inc., 2	Burlington	Mass
MICROWAVE COMPONENTS, INC., 1–2, Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America, 2	P.O. Box 278, Stamford	Conn
Minitran Corp., 1	5 Oliver St, Newark 2	NJ
Modelectric Products Corp., 2	1500 Bangs Ave, Asbury Park	NJ
N.R.K. Mfg. & Engineering Co., 2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 1	118–160 Herricks Rd, Mineola	NY
New London Instrument Co., 2	P.O. Box 189, New London	Conn
Ohmite Mfg. Co., 1–2	3601 Howard St, Skokie	Ill
Ohmweve Co., Inc., 1–2	43 Darcy St, West Hartford 10	Conn
PARAPLEGICS MFG. CO., INC., 1–2, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Peer, Incorporated, 2	2624 Shelby St, Dallas 19	Tex
Radar Design Corp., 1–2	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp., 1–2	190 Duffy Ave, Hicksville	NY
Rantec Corp., 2	23999 Ventura Blvd, Calabasas	Cal
RIXON ELECTRONICS, INC., 2, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**

SIERRA ELECTRONIC CORP., 1-2, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
SPERRY MICROWAVE ELECTRONICS CO., 2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
States Co., 2	19 New Park Ave, Hartford 6	Conn
Summit Electronics, Inc., 2	7 Industrial Pl, Summit	NJ
Tamar Electronics, Inc., 2	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL MATERIEL CORP., 2, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
TELECTRO INDUSTRIES CORP., 1, Adv. Pgs. 104,105	**35-16 37th St, Long Island City 1**	**NY**
TORWICO ELECTRONICS, INC., 1, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transco Products Inc., 2	12210 Nebraska Ave, L A 25	Cal
TURBO MACHINE CO., 2, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Mfg. Co., Div., W.L. Maxson Corp., 1	41 Haig St, Hamden 14	Conn
VARIAN ASSOCIATES, 2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wac Line, Inc., 1-2	35 S. St. Clair St, Dayton 2	Ohio
WARD LEONARD ELECTRIC CO., 1, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Waveline, Inc., 1	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., 1-2, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Wickes Engineering & Construction Co., 1-2	12th St & Ferry Ave, Camden 4	NJ
Winder Aircraft Corp., 1-2	Dunnellon Air Base, Dunnellon	Fla
Wind Turbine Co., 2	E. Market St & Penna R.R., W. Chester	Pa

LOADS –*MICROWAVE* See **TERMINATIONS**
LOCALIZERS – VHF See **GENERATORS** –*SIGNAL*

LOCATORS –*CABLE FAULT & LINE FAULT*

Airtronics International Corp	P.O. Box 8576, Fort Lauderdale	Fla
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Industrial Instruments, Inc	89 Commerce Rd, Cedar Grove	NJ
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
PESCHEL ELECTRONICS, INC., Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**

LOCATORS –*PIPE & CABLE*

Dytronics	P.O. Box 3676, Columbus 14	Ohio
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill

LOCKNUTS See **NUTS**

LOCKS –*DIAL*

Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Kilo Engineering Co	2011 Third St, La Verne	Cal
Millen Mfg. Co., James	150 Exchange St, Malden	Mass

LOCKS –*SHAFT*

Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Goe Engineering Co	219 S. Mednik Ave, Los Angeles 22	Cal
IPPOLITO & CO., INC., JAMES, Adv Pg 559	**1624 Stillwell Ave, Bronx 64**	**NY**
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Kilo Engineering Co	2011 Third St, La Verne	Cal
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**

LOCKWASHERS See **WASHERS**
LOGARITHMIC AMPLIFIERS See **AMPLIFIERS** –*COMPUTER*
LOOP ANTENNAS See **ANTENNAS** –*RADIO RECEIVING*
LOOP-REGULATING CONTROLS See **CONTROLS** –*PHOTOELECTRIC*
LORAN RECEIVERS See **RECEIVERS** –*RADIO NAVIGATION*

LORAN SYSTEMS

Edo Corp	College Point 56	NY
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa

LORAN TRANSMITTERS See **TRANSMITTERS** –*RADIO NAVIGATION*
LOUDHAILERS See **MEGAPHONES** –*ELECTRONIC*
LOUDSPEAKERS See **SPEAKERS**

LOUVERS –*CHASSIS VENTILATING*

Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Electronic Enclosures, Inc	3629 Holdrege Ave, Los Angeles 16	Cal
FORMICA METAL PRODUCTS CO., Adv Pg 531	**Corporation Way, Medford**	**Mass**
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
MIDGET LOUVER CO., Adv Pg 456	**6-8 Wall St, Norwalk**	**Conn**
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

LOW-PASS FILTERS See **FILTERS**

LUBRICANTS See *Also* **SILICONES**

Acheson Colloids Co	1950 Washington Ave, Port Huron	Mich
Alpha Molykote Corp	65 Harvard Ave, Stamford	Conn
Beaver Labs., Inc	187-61 Hollis Ave, Jamaica 23	NY
Caig Labs	46 Stanwood Rd, New Hyde Park	NY
Chemplast, Inc	3 Central Ave, East Newark	NJ
DOW CORNING CORP., Adv. Pgs. 238, 239	**Midland**	**Mich**
Electronic Chemical Corp	813 Communipaw Ave, Jersey City 4	NJ
Electroparts	P.O. Box 1137, Glendale	Cal
Esso Standard, Div of Humble Oil & Refining Co	15 W. 51 St, New York 19	NY
Felt Products Mfg. Co	7450 N. McCormick Blvd, Skokie	Ill
Grafo Colloids Corp	P.O. Box 195, Sharon	Pa
Huron Industries	P.O. Box 104, Port Huron	Mich
Parker Seal Co., Div of Parker-Hannifin Corp	10567 Jefferson Blvd, Culver City	Cal
Poly-Chem	541 S. Webster Ave, Indianapolis 19	Ind
Precision Scientific Co	3737 W. Cortland, Chicago 47	Ill
Pro-Chem, Inc	1571 Merwin Ave, Cleveland 13	Ohio
Quietrole Co	395 St. John St, Spartanburg	SC
Silicones Div., UCC	270 Park Ave, New York 17	NY
Stevenson Brothers & Co	110 Race St, Philadelphia 6	Pa

LUGS See **TERMINALS**
LUMINESCENT CHEMICALS See **CHEMICALS** –*LUMINESCENT*
LUMINOUS FINISHES See **PAINTS** –*LUMINOUS*
LUMINOUS MARKERS See **MARKERS** –*LUMINOUS*
MACHINE SAFETY CONTROLS See **CONTROLS** –*CAPACITANCE-OPERATED:* **CONTROLS** –*PHOTOELECTRIC*

MACHINES –*ABRADING & POLISHING (CRYSTAL & FERRITE)*

Dallons Semiconductors Div	5066 Santa Monica, L A 29	Cal
Foredom Electric Co	Bethel	Conn
Hoffman Co., P.R.	Carlisle	Pa
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Micromech Mfg. Corp	1020 Commerce Ave, Union	NJ
Murray-Way Corp	2545 Maple Rd, Box 180, Birmingham	Mich

MACHINES –*ACCELERATION TEST*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Genisco, Inc	2233 Federal Ave, Los Angeles 64	Cal
International Equipment Co	1284 Soldiers Field St, Boston 35	Mass
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Metal Fabricators Corp	63 Pond St, Waltham 54	Mass
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Precision Scientific Co	3737 W. Cortland, Chicago 47	Ill
Rucker Co., The	4700 San Pablo Ave, Oakland 8	Cal
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**

MACHINES –*ASSEMBLY*
1. MODULES 2. PRINTED CIRCUITS

Cramer Controls Corp., 2	P.O. Box 13, Centerbrook	Conn
Design Tool Corp., 2	772 Bergen St, Brooklyn 38	NY
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
Hill Machine Co., 2	1301 Eddy Ave, Rockford	Ill
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
Jones & Lamson Machine Co., 2	539-D Clinton St, Springfield	Vt
Kulicke & Soffa Mfg. Co., 1-2	1234 Callowhill St, Philadelphia 23	Pa
Laboratory for Electronics, Inc., 2	1079 Commonwealth, Boston 15	Mass
Lemert Engineering Co., Inc., 2	1313 Western Ave, Plymouth	Ind
Malco Mfg. Co., 2	4023 W. Lake St, Chicago 24	Ill
Melpar, Inc., 1-2	3000 Arlington Blvd, Falls Church	Va
Molded Insulation Co., 1-2	335 E. Price St, Phila 44	Pa
Research Development Manufacture Inc., 1	429 E. Collom St, Philadelphia 44	Pa
Ross Co., Milton, 1	239 Jacksonville Rd, Hatboro	Pa
Segal, Edward, 2	132 Lafayette St, New York 13	NY
Stratocon Corp., 1	P.O. Box 10, Morristown	NJ
UCINITE CO., DIV., UCC, 2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Shoe Machinery Corp., 1-2	140 Federal St, Boston 7	Mass

MACHINES –*AUTOMATIC FEED, SMALL PARTS*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Barnes Development Co	213 W. Baltimore Pike, Lansdowne	Pa
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Black & Webster, Inc	570 Pleasant St, Watertown	Mass
Boesch Mfg. Co	45 River St, Danbury	Conn
Cramer Controls Corp	P.O. Box 13, Centerbrook	Conn
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Eyelet Tool Co	31 Carleton St, Cambridge	Mass
Federal Electronic Products, Inc	1380 Pompton Ave, Cedar Grove	NJ
FEDERAL TOOL ENGINEERING, INC., Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
Hill Machine Co	1301 Eddy Ave, Rockford	Ill
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Lemert Engineering Co., Inc	1313 Western Ave, Plymouth	Ind
Nutmeg Screw Machine Products Co	P.O. Box 1470, Waterbury	Conn
Radio Frequency Co., Inc	44 Park St, Medfield	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Segal, Edward	132 Lafayette St, New York 13	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio
Standard Tool & Mfg. Co	Arlington	NJ
Stratocon Corp	P.O. Box 10, Morristown	NJ
Thomson Mfg. Co., Judson L.	22 Sawyer Rd, Waltham 54	Mass
Townsend Co	P.O. Box 71, Ellwood City	Pa
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

MACHINES –*AUTOMATIC POSITIONING* See **CONTROLS** –*POSITIONING*

MACHINES –*BALANCING, DYNAMIC*

Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Bear Mfg. Co	Rock Island	Ill
Cosa Corp	405 Lexington Ave, New York 17	NY
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
International Research & Development Corp	6150 Huntley Rd, Worthington	Ohio
Micro Balancing, Inc	191 Herricks Rd, Garden City Park	NY

MACHINES –*BENDING*

ACF Electronics Div	Riverdale	Md
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Besler Corp	4053 Harlan St, Oakland 8	Cal
Design Tool Corp	772 Bergen St, Brooklyn 38	NY
FEDERAL TOOL ENGINEERING, INC., Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**

Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Peck, Stow & Wilcox Co	215 Center St, Southington	Conn
Stueck, Inc., W. Whitney	P.O. Box 355EG, Old Saybrook	Conn
Technical Devices Co	11242 Playa Ct, Culver City	Cal
Whitney Metal Tool Co	726 Forbes St, Rockford	Ill

MACHINES *–BLUEPRINT See* **MACHINES** *–COPYING*

MACHINES *–CAPACITOR-MANUFACTURING*
1. ASSEMBLY 2. SORTING 3. WINDING

ACF Electronics Div., 1-3	Riverdale	Md
American Missile Products Co., Inc., 1	15233 Grevillea Ave, Lawndale	Cal
ASSOCIATED AMERICAN WINDING MACHINERY INC., 3, Adv Pg 534	**754 St. Ann's Ave, New York 56**	**NY**
Avionics Corp., 1	Maple Ave & Horsham Rd, Horsham	Pa
Barnes Development Co., 2	213 W. Baltimore Pike, Lansdowne	Pa
Boesch Mfg. Co., 3	45 River St, Danbury	Conn
Cable Electric Products, 1	234 Daboll St, Providence	RI
Consolidated Airborne Systems, 1	900 3rd Ave, New Hyde Park	NY
Consolidated Controls Corp., 2	6 Durant Ave, Bethel	Conn
Consolidated Productions, Inc., 1-2-3	3991 S.W. 12 Terr, Fort Lauderdale	Fla
DKE ELECTRONIC BASES CORP., 1-3, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Designers for Industry, 1-2	4241 Fulton Pkwy, Cleveland 9	Ohio
Electronic Applications, Inc., 1-3	194 Richmond Hill Ave, Stamford	Conn
FEDERAL TOOL ENGINEERING, INC., 1, Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
Heinz-Mueller Engineering Co., Inc., 3	4725 Iowa St, Chicago 51	Ill
HIRSCHMANN CO., INC., CARL, 3, Adv Pg 451	**30 Park Ave, Manhasset**	**NY**
Johnson & Bassett, Inc., 3	114 Foster St, Worcester	Mass
KAHLE ENGINEERING CO., 1, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Modelectric Products Corp., 1	1500 Bangs Ave, Asbury Park	NJ
Power Industries Co., 1-3	2655 W. 19th St, Chicago 16	Ill
Q-Circuits Div., Etching Co of California, 2	1208 Howard St, San Francisco 3	Cal
Russell Gasket Co., 1	7424 Bessemer Ave, Cleveland 27	Ohio
Sheffield Corp., Sub., Bendix Avia. Corp., 1-2-3	P.O. Box 893, Dayton 1	Ohio
Sheltered Workshops, 1-2-3	2521 Fifth St, Santa Monica	Cal
Sorensen Industrial Electronic Co., 1-3	Rt 10, Dover	NJ
Stevens Mfg. Co., George, 3	6022 N. Rogers Ave, Chicago 46	Ill
Thomson Mfg. Co., Judson L., 1	22 Sawyer Rd, Waltham 54	Mass
Wellington Electronics, 3	65 Honeck St, Engelwood	NJ
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal

MACHINES *–CLEANING See Also* **ULTRASONIC EQUIPMENT**

Barrett Co., Leon J	1776 Grafton Rd, Worcester 1	Mass
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Branson Ultrasonic Corp	1 Brown House Rd, Stamford	Conn
Circo Ultrasonic Corp	51 Terminal Ave, Clark	NJ
Cobehn, Inc	226 Passaic Ave, Caldwell	NJ
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Detrex Chemical Industries, Inc	P.O. Box 501, Detroit 32	Mich
DeVilbiss Co	300 Phillips Ave, Toledo 1	Ohio
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Industrial Systems Co	32 Main St, Matawan	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
L & R Mfg. Co	577 Elm St, Kearny	NJ
McKenna Laboratories	2503 Main St, Santa Monica	Cal
Ultrasonic Industries, Inc	141 Albertson Ave, Albertson	NY

MACHINES *–COIL-WINDING*
1. LATHE-TYPE 2. TOROID-TYPE

A R & D A, 1	135 Main St, Belleville 9	NJ
American Missile Products Co., Inc., 2	15233 Grevillea Ave, Lawndale	Cal
ARNOLD MAGNETICS CORP., 2, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
ASSOCIATED AMERICAN WINDING MACHINERY INC., 1-2, Adv Pg 534	**754 St. Ann's Ave, New York 56**	**NY**
Automation Industries, Inc., 1-2	3613 Aviation Blvd, Manhattan Beach	Cal
Avo Ltd., 1	80 Shore Rd, Port Washington	NY
Boesch Mfg. Co., 1-2	45 River St, Danbury	Conn
CG Electronics Corp., 2	15000 Central E., Albuquerque	NM
COIL WINDING EQUIPMENT CO., 1-2, Adv Pg 277	**19 Maxwell Ave, Oyster Bay**	**NY**
Crown Tool, Inc., 1	Hwy 15, Wabash	Ind
Electro Devices, Inc., 2	580 Main St, Wilmington	Mass
Electromatic Equipment Co., 1	175 Remsen Ave, Brooklyn 12	NY
Gorman Machine Corp., 2	480 S. Main St, Randolph	Mass
Gulton Industries, Inc., 2	212 Durham Ave, Metuchen	NJ
Halm Instrument Co., Inc., 1	Glen Head Rd, Glen Head	NY
Harder Co., Donald C., 2	2580 K St, San Diego	Cal
HIRSCHMANN CO., INC., CARL, 1-2, Adv Pg 451	**30 Park Ave, Manhasset**	**NY**
INDUSTRIAL WINDING MACHINERY CORP., 1-2, Adv Pg 529	**120 Wall St, New York 5**	**NY**
Intercontinental Electronics, 1-2	1551 Franklin Ave, Mineola	NY
KAHLE ENGINEERING CO., 1, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kulicke & Soffa Mfg. Co., 1	1234 Callowhill St, Philadelphia 23	Pa
Leesona Corp., 1	P.O. Box 1605, Providence 1	RI
Lumen, Inc., 2	P.O. Box 905, Joliet	Ill
Mason, Shaver & Rhoades, Inc., 1	P.O. Box 551, Irwin	Pa
MICO INSTRUMENT CO., 2, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Power Industries Co., 1-2	2665 W. 19th St, Chicago 16	Ill
Rea Magnet Wire Co., Inc., 1	3610 E. Pontiac St, Fort Wayne	Ind
Rex Rheostat Co., 2	149 Babylon Trnpk, Roosevelt	NY
Stevens Mfg. Co., George, 1	6022 N. Rogers Ave, Chicago 46	Ill
Universal Mfg. Co., Inc., 2	1168EB Grove St, Irvington 11	NJ

MACHINES *–COMPONENT PACKAGING*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Crompton & Knowles Packaging Corp	Berkshire St, Holyoke	Mass
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa

MACHINES *–COPYING*
1. BLUEPRINT 2. PHOTOCOPY 3. WHITEPRINT

Apeco, American Photocopy Equipment Co., 2	2100 W. Dempster, Evanston	Ill
BRUNING CO., INC., CHARLES, 1-2-3, Adv Pg 525	**1800 Central Rd, Mt. Prospect**	**Ill**
Copymation, Inc., 1-2-3	5650 N. Western, Chicago 18	Ill
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Dietzgen Co., Eugene, 1-2-3	2425 N. Sheffield Ave, Chicago 14	Ill
Eastman Kodak Co., 2	343 State St, Rochester 4	NY
Gordon Enterprises, 1-2-3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Houston Fearless Corp., 2	11801 W. Olympic Blvd, Los Angeles 64	Cal
Minnesota Mining & Mfg. Co., 3	900 Bush Ave, St. Paul 6	Minn
Ozalid Div., General Aniline & Film Corp., 3	Ansco Rd, Johnson City	NY
Paragon-Revolute Div of Charles Bruning Co., Inc., 1-3	71 South Ave, Rochester 4	NY
Peerless Photo Products, Inc., 2	Tesla Rd, Shoreham	NY
Photostat Corp., 2	1001 Jefferson, Rochester	NY
Remington Rand Div., Sperry Rand Corp., 2	315 Park Ave S., New York 10	NY
Weil & Co., J.H., 1-2-3	1334 Cherry St, Philadelphia 7	Pa
Westrex Corp., Div., Litton Industries, 2	540 W. 58 St, New York 19	NY

MACHINES *–COUNTING See* **COUNTERS** *–PHOTOELECTRIC*

MACHINES *–CRYSTAL-CUTTING, QUARTZ & SEMICONDUCTOR*

Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Felker Mfg. Co	1128 Border Ave, Torrance	Cal
Fitchburg Engineering Corp	Fitchburg	Mass
Hoffman Co., P.R.	Carlisle	Pa
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Micromech Mfg. Corp	1020 Commerce Ave, Union	NJ
Nichols Co., W.H.	Waltham 54	Mass
Norton Co	1 New Bond St, Worcester 6	Mass
Raytheon Co. Commercial Appar. & Systems Div.	100 River St, Waltham	Mass
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio

MACHINES *–CRYSTAL FINISHING, QUARTZ*

Dallons Semiconductors Div	5066 Santa Monica, L A 29	Cal
Hoffman Co., P.R.	Carlisle	Pa
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Micromech Mfg. Corp	1020 Commerce Ave, Union	NJ
Piezo Products Co	Whitney St, Sherborn	Mass

MACHINES *–CRYSTAL SORTING & SIZING*

Dallons Semiconductors Div	5066 Santa Monica, L A 29	Cal
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa

MACHINES *–DEGREASING, VAPOR*

Branson Ultrasonic Corp	1 Brown House Rd, Stamford	Conn
Circo Ultrasonic Corp	51 Terminal Ave, Clark	NJ
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Dry Screen Process, Inc	1016 Madison Ave, Pittsburgh 12	Pa

MACHINES *–DICTATING*
1. EMBOSSED OR CUT GROOVES, ELECTRONIC 2. MAGNETIC

American Geloso Electronics, 2	251 Park Ave S., New York	NY
American Speedlight Corp., 2	63-01 Metropolitan, Middle Village 79	NY
Gray Mfg. Co., The, 1	Dept 67, 16 Arbor St, Hartford 1	Conn
Hausser & Son, C.A., 1	6040 Belfield Ave, Philadelphia 44	Pa
Miles Reproducer Co., Inc., 1	812 Broadway, New York 3	NY
Peirce Dictation Systems, 2	5900 Northwest Hwy, Chicago 31	Ill

MACHINES *–DIODE & TRANSISTOR MANUFACTURING*

Associated Engineering & Mfg. Corp	Glen Ridge	NJ
E-H RESEARCH LABORATORIES, INC., Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Federal Electronic Products, Inc	1380 Pompton Ave, Cedar Grove	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Reeve Electronics, Inc	609 W. Lake St, Chicago 6	Ill
Wright Equipment Corp	128 N. Main St, Milltown	NJ

MACHINES *–DIP SOLDERING*

American Speedlight Corp	63-01 Metropolitan, Middle Village 79	NY
Carpenter Mfg. Co., Inc	Highbridge Rd, DeWitt 14	NY
Design Tool Corp	772 Bergen St, Brooklyn 38	NY
Jefferson Electronic Products	322 State St, Santa Barbara	Cal
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**

MACHINES *–DISK-RECORDING See* **RECORDERS** *–DISK*
MACHINES *–DRILLING, ULTRASONIC See* **ULTRASONIC EQUIPMENT**

MACHINES *–DRILL PRESSES, PRECISION*

High Speed Hammer Co	Rochester	NY
Hill Machine Co	1301 Eddy Ave, Rockford	Ill
Levin & Son, Inc., Louis	3610 S. Broadway, Los Angeles 7	Cal
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Milman Engineering Co., Inc	1831 Pontius Ave, Los Angeles 25	Cal
Pratt & Whitney Co., Inc	Charter Oak Blvd, West Hartford 1	Conn
Universal-Automatic Corp	9545 Ainslie, Schiller Park	Ill
WALES STRIPPIT, INC., Adv Pg 115	**Akron**	**NY**

MACHINES *–ENCAPSULATING*

Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Hull Corp	Davisville Rd, Hatboro	Pa
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Norton Co	1 New Bond St, Worcester 6	Mass
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
Red Point Corp	105 W. Spazier Ave, Burbank	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**

MACHINES *–ENGRAVING & PROFILING*

Besler Corp	4053 Harlan St, Oakland 8	Cal
Cosa Corp	405 Lexington Ave, New York 17	NY
Dry Screen Process, Inc	1016 Madison Ave, Pittsburgh 12	Pa
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
GREEN INSTRUMENT CO., Adv Pg 476	**363A Putnam Ave, Cambridge**	**Mass**
Hausser & Son, C.A.	6040 Belfield Ave, Philadelphia 44	Pa
Hermes Plastics, Inc	154 W. 14th St, New York 11	NY
Johnson & Bassett, Inc	114 Foster St, Worcester	Mass
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
NEW HERMES ENGRAVING MACHINE CO., Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Optical Gaging Products, Inc	26 Forbes St, Rochester 11	NY
Preis Engraving Machine Co., H.P.	651 U.S. Hwy 22, Hillside	NJ

MACHINES *–EYELET-INSTALLING*

CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**

Eyelet Tool Co	31 Carleton St, Cambridge	Mass
Kenco Mfg. Co	5211 Telegraph Rd, Los Angeles 22	Cal
Magnetec Corp., The	7232 Eton Ave, Canoga Park	Cal
Segal, Edward	132 Lafayette St, New York 13	NY
Sphere Co., Inc., The	25 Amity St, Little Falls	NJ
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

MACHINES —*FORMING*

Cosa Corp.	405 Lexington Ave, New York 17	NY
Design Tool Corp	772 Bergen St, Brooklyn 38	NY
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Hydraulic Press Mfg. Co., Div of Koehring Co.	Mt. Gilead	Ohio
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Lemert Engineering Co., Inc	1313 Western Ave, Plymouth	Ind
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Technical Devices Co	11242 Playa Ct, Culver City	Cal
Whitney Metal Tool Co	726 Forbes St, Rockford	Ill

MACHINES —*GLASS BLOWING*

Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**

MACHINES —*GLASS WORKING*

Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Forter-Teichmann Co	Calrk Bldg, Pittsburgh 22	Pa
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Litton Engineering Labs	P.O. Box 949, Grass Valley	Cal
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Standard Tool & Mfg. Co	Arlington	NJ
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**

MACHINES —*HERMETIC-SEALING*

Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Reeve Electronics, Inc	609 W. Lake St, Chicago 6	Ill

MACHINES —*HOT-STAMPING*

Ackerman-Gould Co., Inc	10 Neil Ct, Oceanside	NY
Acromark Co., The	323 Morrell St, Elizabeth 4	NJ
Apex Machine Co	14-15 118th St, College Point	NY
Kingsley Machine Co	850 Cahuenga Blvd EB, Hollywood 38	Cal
MARKEM MACHINE CO., Adv Pg 459	**150 Congress St, Keene**	**NH**
Matthews & Co., James H.	3821 Forbes Ave, Pittsburgh 13	Pa
Popper & Sons, Inc	300 Park Ave S., New York 10	NY
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

MACHINES —*IMPREGNATING*
1. CENTRIFUGAL 2. VACUUM

Barrett Co., Leon J., 1	1776 Grafton Rd, Worcester 1	Mass
BRUNING CO., INC., CHARLES, 2 Adv Pg 525	**1800 Central Rd, Mt. Prospect**	**Ill**
General Vacuum Corp., 2	400 Border St, East Boston 28	Mass
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 2	2 Churchill Rd, Hingham 1	Mass
Hull Corp., 2	Davisville Rd, Hatboro	Pa
International Pump & Machine Words, 2	81 Dorsa Ave, Livingston	NJ
Kinney Vacuum Div., New York Air Brake Co., 2	3529 Washington St, Boston	Mass
NRC Equipment Corp., 2	160 Charlemont St, Newton 61	Mass
Red Point Corp., 2	105 W. Spazier Ave, Burbank	Cal
STOKES CORP., F.J., 2 Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp., 2	1500 Union Landing Rd, Riverton	NJ
Tyler Co., W.S., 2	3620 Superior Ave, Cleveland 14	Ohio
Vactronic Lab. Equipment, Inc., 2	21 Monmouth Ct, East Northport	NY
Vacuum Specialties Co., 2	34 Linden St, Somerville	Mass

MACHINES —*LEAD-CUTTING & FORMING*

Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Bruno-New York Industries Corp	460 W. 34 St, New York 1	NY
Carpenter Mfg. Co., Inc	Highbridge Rd, DeWitt 14	NY
Design Tool Corp	772 Bergen St, Brooklyn 38	NY
FEDERAL TOOL ENGINEERING, INC., Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Miller Form Tool Co., Inc	485 Robert Ave, Santa Clara	Cal
Schmit Engineering Co	4062 Fabian Way, Palo Alto	Cal
Technical Devices Co	11242 Playa Ct, Culver City	Cal
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

MACHINES —*MARKING & NUMBERING*

Ackerman-Gould Co., Inc	10 Neil Ct, Oceanside	NY
Acromark Co., The	323 Morrell St, Elizabeth 4	NJ
Apex Machine Co	14-15 118th St, College Point	NY
Black & Webster, Inc	570 Pleasant St, Watertown	Mass
Crompton & Knowles Packaging Corp	Berkshire St, Holyoke	Mass
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dennison Mfg. Co	300 Howard St, Framingham	Mass
GILLIES CO., INC., DUNCAN M., Adv Pg 450	**66 Central St, West Boylston**	**Mass**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
High Speed Hammer Co	Rochester	NY
Kenco Mfg. Co	5211 Telegraph Rd, Los Angeles 22	Cal
Kingsley Machine Co	850 Cahuenga Blvd EB, Hollywood 38	Cal
KRENGEL MFG. CO., INC., Adv Pg 491	**227 Fulton St, New York 7**	**NY**
MARKEM MACHINE CO., Adv Pg 459	**150 Congress St, Keene**	**NH**
MARKWIK SALES CORP., Adv Pg 547	**31 Sexton Rd, Plainview**	**NY**
Marsh Stencil Machine Co	46 Marsh Bldg, Belleville	Ill
Matthews & Co., James H.	3821 Forbes Ave, Pittsburgh 13	Pa
NEW HERMES ENGRAVING MACHINE CO., Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Noble & Westbrook Mfg. Co	27 Westbrook St, East Hartford 8	Conn
Numberall Stamp & Tool Co	Huguenot Park, Staten Island 12	NY
Popper & Sons, Inc	300 Park Ave S., New York 10	NY
Preis Engraving Machine Co., H.P.	651 U.S. Hwy 22, Hillside	NJ
Rangertone, Inc	73 Winthrop St, Newark 4	NJ
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

MACHINES —*MEMORY-CORE HANDLING*

Boesch Mfg. Co	45 River St, Danbury	Conn
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Electro Devices, Inc	580 Main St, Wilmington	Mass

MACHINES —*METAL-FORMING PRESSES*

American Chain & Cable Co., Inc	601 Stephenson Bldg, Detroit 2	Mich
Besler Corp	4053 Harlan St, Oakland 8	Cal
Cosa Corp.	405 Lexington Ave, New York 17	NY
HIRSCHMANN CO., INC., CARL, Adv Pg 451	**30 Park Ave, Manhasset**	**NY**
Hydraulic Press Mfg. Co., Div of Koehring Co.	Mt. Gilead	Ohio
J. & G. Machine Co., Inc	42 Lagrange St, Worcester	Mass
Kenco Mfg. Co	5211 Telegraph Rd, Los Angeles 22	Cal
Peck, Stow & Wilcox Co	215 Center St, Southington	Conn
Precision Stampings, Inc	142 Fulton Ave, New Hyde Park	NY
Rotex Punch Co	2350 Alvarado St, San Leandro	Cal
Stueck, Inc., W. Whitney	P.O. Box 355EG, Old Saybrook	Conn
Taylor-Winfield Corp	1056 Mahoning, N.W., Warren	Ohio
Whitney Metal Tool Co	726 Forbes St, Rockford	Ill

MACHINES —*METALLIZING*
1. MOLTEN SPRAY 2. VACUUM

Cerro De Pasco Sales Corp., 1	300 Park Ave, New York 22	NY
Ecco High Frequency Corp., 2-3	7020 Hudson Blvd, North Bergen	NJ
Edwards High Vacuum(Canada)Ltd., 2-3	Box 515, Burlington, Ontario, Canada	
General Vacuum Corp., 2-3	400 Border St, East Boston 28	Mass
Green Rectifier Co., 2-3	1-10 30th St, Fair Lawn	NJ
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 2-3	2 Churchill Rd, Hingham 1	Mass
Hull Corp., 2	Davisville Rd, Hatboro	Pa
International Pump & Machine Works, 2	81 Dorsa Ave, Livingston	NJ
KAHLE ENGINEERING CO., 2, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kinney Vacuum Div., New York Air Brake Co., 2-3	3529 Washington St, Boston	NY
Metallizing Engineering Co., Inc., 1	1101 Prospect Ave, Westbury	NY
NRC Equipment Corp., 2-3	160 Charlemont St, Newton 61	Mass
Process & Instruments, 3	15 Stone Ave, Brooklyn 33	NY
Scientific Engineering Laboratories, 2-3	1510 Sixth St, Berkeley 10	Cal
STOKES CORP., F.J., 2, Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp., 2	1500 Union Landing Rd, Riverton	NJ
Ultek Corp., 2	920 Commercial St, Palo Alto	Cal
Vactronic Lab. Equipment, Inc., 2	21 Monmouth Ct, East Northport	NY
Vacuum Specialties Co., 2-3	34 Linden St, Somerville	Mass
Veeco Vacuum Corp., 2	86 Denton Ave, New Hyde Park	NY

MACHINES —*METAL PUNCH PRESSES*

Acromark Co., The	323 Morrell St, Elizabeth 4	NJ
Besler Corp	4053 Harlan St, Oakland 8	Cal
Black & Webster, Inc	570 Pleasant St, Watertown	Mass
J. & G. Machine Co., Inc	42 Lagrange St, Worcester	Mass
Rotex Punch Co	2350 Alvarado St, San Leandro	Cal
WALES STRIPPIT, INC., Adv Pg 115	**Akron**	**NY**
Whitney Metal Tool Co	726 Forbes St, Rockford	Ill

MACHINES —*PLASTICS MOLDING*

Alden Systems, Inc	Alden Research Center, Westboro	Mass
Browne & Shaw Co., Inc	751 Main St, Waltham 54	Mass
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Hull Corp	Davisville Rd, Hatboro	Pa
Hydraulic Press Mfg. Co., Div of Koehring Co.	Mt. Gilead	Ohio
Johnson & Bassett, Inc	114 Foster St, Worcester	Mass
Newbury Industries, Inc	Box B, Newbury	Ohio
Phalo Plastics Corp	530 Boston Tmpk, Shrewsbury	Mass
Shamban & Co., W.S.	11617 W. Jefferson Blvd, Culver City	Cal
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
United Fabricators Electronics, Inc	Stillwater	Minn
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa

MACHINES —*PLATING*

Allied Research Products, Inc	4004 E. Monument St, Baltimore 5	Md
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
CONSTANTIN & CO., L.L., Adv Pg 291	**Rt. 46, Lodi**	**NJ**
ELECTRALAB PRINTED ELECTRONICS CORP., Adv Pg 228	**173 A St, Needham Hgts 94**	**Mass**
Industrial Plastics Fabricators, Inc	Endicott St, Norwood	Mass
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Sel-Rex Corp	75 River Rd, Nutley 10	NJ

MACHINES —*PRINTED-CIRCUIT PRODUCTION*
1. CLEANING EQUIPMENT 2. COMPONENT-INSERTING EQUIPMENT-COPYING CAMERAS See **CAMERAS** *—PHOTOGRAPHIC-DIP-SOLDERING See* **MACHINES** *—DIP-SOLDERING 3. DRILLING EQUIPMENT 4. ETCHING EQUIPMENT-EYELET-INSERTING EQUIPMENT See* **MACHINES** *—EYELET-INSTALLING 5. PRINTER, PHOTOGRAPHIC 6. PRINTERS, SILK SCREEN 7. PUNCHING EQUIPMENT-TERMINAL INSTALLING EQUIPMENT See* **MACHINES** *—TERMINAL INSTALLING-TESTING EQUIPMENT See* **TESTERS** *—PRINTED CIRCUIT ASSEMBLIES*

Acoustica Associates, Inc., 1	10400 Aviation Blvd, Los Angeles 45	Cal
Avionics Ltd., 6	Box 200, Niagara-on-the-Lake, Ontario	
Bearing Inspection, Inc., 1	3311 E. Gage Ave, Huntington Park	Cal
Branson Ultrasonic Corp., 1	1 Brown House Rd, Stamford	Conn
Centre Circuits, Inc., 3-4-5	1101 N. Atherton, State College	Pa
Control Devices, Inc., 3	925 S. Eton Rd, Birmingham	Mich
Cramer Controls Corp., 2	P.O. Box 13, Centerbrook	Conn
CURTISS-WRIGHT CORP., PRINCETON DIV., 1, Adv Pg 75	**Princeton**	**NJ**
Design Tool Corp., 2	772 Bergen St, Brooklyn 38	NY
Detrex Chemical Industries, Inc., 1	P.O. Box 501, Detroit 32	Mich
Dry Screen Process, Inc., 4-6	1016 Madison Ave, Pittsburgh 12	Pa
ELECTRALAB PRINTED ELECTRONICS CORP., 4-5 Adv Pg 228	**173 A St, Needham Hgts 94**	**Mass**
Erwood Inc., 6	1770 Berteau Ave, Chicago 13	Ill
ETCHOMATIC, INC., 4-5-6, Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
Foredom Electric Co., 3	Bethel	Conn
General Research & Supply Co., 6	572 S. Division Ave, Grand Rapids	Mich

GREEN INSTRUMENT CO., 3, Adv Pg 476	**363A Putnam Ave, Cambridge**	**Mass**
Hill Machine Co., 2	1301 Eddy Ave, Rockford	Ill
Hillyer Corp., 3	331 Centennial Ave, Cranford	NJ
Houston Fearless Corp., 5	11801 W. Olympic Blvd, Los Angeles 64	Cal
Industrial Plastics Fabricators, Inc., 1-4	Endicott St, Norwood	Mass
Jones & Lamson Machine Co., 3-7	539-D Clinton St, Springfield	Vt
Kenn Equipment Co., 6	16-18 S. Marshall St, Philadelphia 6	Pa
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 5-6	80-08 45th Ave, Elmhurst 73	NY
KRENGEL MFG. CO., INC., 7, Adv Pg 491	**227 Fulton St, New York 7**	**NY**
Luma Electric Equipment Co., 4	P.O. Box 132, Toledo 1	Ohio
McKenna Laboratories, 1	2503 Main St, Santa Monica	Cal
Malco Mfg. Co., 2	4023 W. Lake St, Chicago 24	Ill
Masterscreen Printing Equipment Corp., 6	16-18 S. Marshall St, Philadelphia 6	Pa
Melpar, Inc., 2	3000 Arlington Blvd, Falls Church	Va
Naz-Dar Co., 4-6	465 Milwaukee Ave, Chicago 10	Ill
NEW HERMES ENGRAVING MACHINE CO., 3, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Oakite Products, Inc., 1	79 Rector St, New York 6	NY
Podgor Silk Screen Industries, 6	16-18 S. Marshall St, Philadelphia 6	Pa
Popper & Sons, Inc., 6	300 Park Ave S., New York 10	NY
Royal Zenith Corp., 5	180 Varick St, New York 14	NY
Ultra-Violet Products, Inc., 1	5114 Walnut Grove Ave, San Gabriel	Cal
Ultrasonic Industries, Inc., 1	141 Albertson Ave, Albertson	NY
United Shoe Machinery Corp., 2	140 Federal St, Boston 7	Mass
WALES STRIPPIT, INC., 7, Adv Pg 115	**Akron**	**NY**
Wheelabrator Corp., 1	1465 S. Byrkit St, Mishawaka	Ind

MACHINES *–RECORD-MANUFACTURING*

Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

MACHINES *–RESISTOR MANUFACTURING*
1. ASSEMBLY 2. SORTING 3. WINDING

Acme Tool & Specialties Co., 1	224 N. Loomis St, Chicago 7	Ill
ASSOCIATED AMERICAN WINDING MACHINERY INC., 3, Adv Pg 534	**754 St. Ann's Ave, New York 56**	**NY**
Barnes Development Co., 2	213 W. Baltimore Pike, Lansdowne	Pa
Bennett Laboratories, Inc., 1	4224 Holden St, Emeryville 8	Cal
Bud Radio, Inc., 1	2118 E. 55th St, Cleveland 3	Ohio
Cable Electric Products, 1	234 Daboll St, Providence	RI
Consolidated Controls Corp., 2	6 Durant Ave, Bethel	Conn
Control Devices, Inc., 1	925 S. Eton Rd, Birmingham	Mich
Designers for Industry, 1-2	4241 Fulton Pkwy, Cleveland 9	Ohio
El-Tronics Inc., 1	20 S. 15th St, Philadelphia 2	Pa
FEDERAL TOOL ENGINEERING, INC., 1, Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
Halm Instrument Co., Inc., 1	Glen Head Rd, Glen Head	NY
Interstate Electronics Corp., 1-3	707 E. Vermont Ave, Anaheim	Cal
KAHLE ENGINEERING CO., 1, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
Power Industries Co., 1-3	2655 W. 19th St, Chicago 16	Ill
Printronics Corp., 1	3127 El Camino Real, Palo Alto	Cal
Ram Electronics, Inc., 1-3	600 Industrial Ave, Paramus	NJ
Sheltered Workshops, 1-2-3	2521 Fifth St, Santa Monica	Cal
Spec-Tronics, 1	13942 Saticoy Ave, Van Nuys	Cal
Superex Electronics Corp., 3	4-6 Radford Pl, Yonkers	NY
Thermionic Products Co., 3	Interhaven Ave, Plainfield	NJ
Thomson Mfg. Co., Judson L., 1	22 Sawyer Rd, Waltham 54	Mass
Tubular Rivet & Stud Co., 1	Weston Ave, Quincy 70	Mass
U.S. Electronics Corp., 1-2-3	276 Warren St, Lyndhurst	NJ

MACHINES *–SEMICONDUCTOR CRYSTAL PRODUCTION*

Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Ecco High Frequency Corp	7020 Hudson Blvd, North Bergen	NJ
Induction Heating Corp	181 Wythe Ave, Brooklyn 11	NY
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
MRC Mfg. Corp	47 Buena Vista Ave, Yonkers	NY
MEASUREMENTS RESEARCH CO., Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
Micromech Mfg. Corp	1020 Commerce Ave, Union	NJ
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Nichols Co., W.H.	Waltham 54	Mass
Reeve Electronics, Inc	609 W. Lake St, Chicago 6	Ill
Ultrasonic Industries, Inc	141 Albertson Ave, Albertson	NY

MACHINES *–SHOCK-TESTING*

Aeroflex Corp	34-06 Skillman Ave, Long Island City 1	NY
ASSOCIATED TESTING LABS., INC., Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Avco, Research & Advanced Development Div	201 Lowell St, Wilmington	Mass
Barry Controls, Inc	711 Pleasant St, Watertown 72	Mass
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Hicks Corp	1671 Hyde Park Ave, Hyde Park	Mass
HIRSCHMANN CO., INC., CARL, Adv Pg 451	**30 Park Ave, Manhasset**	**NY**
Impact-O-Graph Corp., The	1900 Euclid Ave, Cleveland 15	Ohio
International Equipment Co	1284 Soldiers Field St, Boston 35	Mass
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
L.A.B. Corp	992 Onondaga, Skaneateles	NY
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Patton-MacGuyer Co	17 Virginia Ave, Providence 5	RI
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wyle Mfg. Corp	133 Center St, El Segundo	Cal

MACHINES *–SOLDERING (EXCEPT DIP-SOLDERING)*

Carpenter Mfg. Co., Inc	Highbridge Rd, DeWitt 14	NY
Cole Radio Works	86 Westville Ave, Caldwell	NJ
Ecco High Frequency Corp	7020 Hudson Blvd, North Bergen	NJ
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Induction Heating Corp	181 Wythe Ave, Brooklyn 11	NY
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Luma Electric Equipment Co	P.O. Box 132, Toledo 1	Ohio
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Ohio Crankshaft Co., Tocco Div	3800 Harvard Ave, Cleveland 5	Ohio
Reeve Electronics, Inc	609 W. Lake St, Chicago 6	Ill
Segal, Edward	132 Lafayette St, New York 13	NY
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC

MACHINES *–SORTING (EXCEPT CRYSTAL, CAPACITOR & RESISTOR)*

Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Dice Co., J.W.	Englewood	NJ
DYNATRAN ELECTRONICS CORP., Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**

MACHINES *–STAPLING*

Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa

MACHINES *–TAPPING*

Besler Corp	4053 Harlan St, Oakland 8	Cal
Continental Screw Co	459 Mt Pleasant St, New Bedford	Mass
HIRSCHMANN CO., INC., CARL, Adv Pg 451	**30 Park Ave, Manhasset**	**NY**
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Milman Engineering Co., Inc	1831 Pontius Ave, Los Angeles 25	Cal
Universal-Automatic Corp	9545 Ainslie, Schiller Park	Ill

MACHINES *–TERMINAL-INSTALLING*

Berg Mfg. Corp	142 Reno Ave, New Cumberland	Pa
BURNDY CORP., Adv Pg 192	**Norwalk**	**Conn**
ETC INC., Adv Pg 200	**990 E. 67th St, Cleveland 3**	**Ohio**
Eyelet Tool Co	31 Carleton St, Cambridge	Mass
Hill Machine Co	1301 Eddy Ave, Rockford	Ill
Kulicke & Soffa Mfg. Co	1234 Callowhill St, Philadelphia 23	Pa
Malco Mfg. Co	4023 W. Lake St, Chicago 24	Ill
Patton-MacGuyer Co	17 Virginia Ave, Providence 5	RI
Segal, Edward	132 Lafayette St, New York 13	NY
Sphere Co., Inc., The	25 Amity St, Little Falls	NJ
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass

MACHINES *–TOROID-WINDING* See **MACHINES** *–COIL-WINDING*

MACHINES *–TUBE MANUFACTURING*

Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Litton Engineering Labs	P.O. Box 949, Grass Valley	Cal
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Thomas Electronics, Inc	118 Ninth St, Passaic	NJ
ZIPPERTUBING CO., Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

MACHINES *–VIBRATION-TESTING*

All American Tool & Mfg. Co	8027 Lawndale, Skokie	Ill
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
ASSOCIATED TESTING LABS., INC., Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Cosa Corp.	405 Lexington Ave, New York 17	NY
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Genisco, Inc	2233 Federal Ave, Los Angeles 64	Cal
Impact-O-Graph Corp., The	1900 Euclid Ave, Cleveland 15	Ohio
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
L.A.B. Corp	992 Onondaga, Skaneateles	NY
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wyle Mfg. Corp	133 Center St, El Segundo	Cal

MACHINES *–WELDING, COMPONENT CASE & CAN*

Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
EWALD INSTRUMENTS, Adv Pg 548	**Rt 7E, Kent**	**Conn**
FEDERAL TOOL ENGINEERING, INC., Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Linde Co., Div., UCC	270 Park Ave, New York 17	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pioneer Industries Div., Almar-York Co., Inc	3455 W. Vickery, Fort Worth 7	Tex
Raytheon Co. Commercial Appar. & Systems Div.	100 River St, Waltham	Mass

MACHINES *–WIRE-PROCESSING*
1. CUTTING 2. MARKING 3. MEASURING-STRIPPING See **STRIPPERS**
4. TIN REFLOWING, STRANDED WIRE

Ackerman-Gould Co., Inc., 2	10 Neil Ct, Oceanside	NY
Acromark Co., The, 2	323 Morrell St, Elizabeth 4	NJ
Artos Engineering Co., 1-2-3	2737 S. 28th St, Milwaukee	Wisc
Black & Webster, Inc., 1	570 Pleasant St, Watertown	Mass
Bliss Electronic Corp., 1	P.O. Box 366, Sussex	NJ
Dice Co., J.W., 3	Englewood	NJ
Eubanks Engineering Co., 1-3	260 N. Allen Ave, Pasadena	Cal
Foredom Electric Co., 1-2	Bethel	Conn
General Plastics Corp., 2	P.O. Box 1689, Paterson	NJ
GEORGE PRODUCTS, INC., 1, Adv Pg 492	**104 Dorsa Ave, Livingston**	**NJ**
Gibbs Mfg. & Research Corp., 2	454 N. Main St, Janesville	Wisc
Gordon Enterprises, 1-2-3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hykon Mfg. Co., 3	165 E. State St, Alliance	Ohio
I-L-S Instrument Div., Meriam Instrument Co., 3	4525 W 160th St, Cleveland 35	Ohio
Induction Heating Corp., 4	181 Wythe Ave, Brooklyn 11	NY
Industron Corp., 4	55 Needham St, Newton Highlands	Mass
Jennings Machine Corp., 1-3	3452 Ludlow St, Philadelphia 4	Pa
KAHLE ENGINEERING CO., 1, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kenco Mfg. Co., 1	5211 Telegraph Rd, Los Angeles 22	Cal
Kingsley Machine Co., 2	850 Cahuenga Blvd EB, Hollywood 38	Cal
Kulicke & Soffa Mfg. Co., 1	1234 Callowhill St, Philadelphia 23	Pa
LEPEL HIGH FREQUENCY LABS., INC., 4, Adv Pg 544	**1548 37 Ave, Woodside 77**	**NY**
MARKEM MACHINE CO., 2, Adv Pg 459	**150 Congress St, Keene**	**NH**
Matthews & Co., James H., 2	3821 Forbes Ave, Pittsburgh 13	Pa

Olympic Instruments, Inc., 1-3	Dept. 527, Vashon	Wash
Radio Frequency Co., Inc., 4	44 Park St, Medfield	Mass
Reeve Electronics, Inc., 4	609 W. Lake St, Chicago 6	Ill
Sheltered Workshops, 1-2-3	2521 Fifth St, Santa Monica	Cal
Technical Devices Co., 1	11242 Playa Ct, Culver City	Cal
THOMAS INSTRUMENT CO., 1, Adv Pg 522	**Three Rivers, Phoenix**	**NY**
United Shoe Machinery Corp., Antenna & Microwave Sec., 1	Balch St, Beverly	Mass
Westline Products Div., Western Litho. Co., 2	600 E. 2nd St, Los Angeles 54	Cal

MACHINE TOOL CONTROLS See CONTROLS —*MACHINE TOOL*

MAGNESIUM
1. FINISHED PARTS 2. SHEETS, BARS & RODS-TUBING See TUBING — *METALLIC*

Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Smelting & Refining Co., 2	120 Broadway, New York 5	NY
Autoscrew Co., Inc., 1	216-222 W. 18th St, New York 11	NY
Bram Metallurgical Chemical Co., 2	820 65 Ave, Philadelphia 26	Pa
Brooks & Perkins, Inc., 1-2	**1950 W. Fort St, Detroit 16**	**Mich**
Cox Mfg. Co., 1	807 Fredericksburg Rd, San Antonio 1	Tex
Delta Chemical Works, 2	21 W. 60th St, New York	NY
Dow Chemical Co., 2	Midland	Mich
Eugene Engineering Co., Inc., 1	1217 Hyde Park Ave, Hyde Park 36	Mass
Farwell Metal Fabricating, 1	87 W. Fairfield Ave, St. Paul 7	Minn
FORMICA METAL PRODUCTS CO., 1, Adv Pg 531	**Corporation Way, Medford**	**Mass**
Kling Metal Spinning Co., 1	247 Centre St, New York	NY
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Meridian Metalcraft, Inc., 1	8739 S. Millergrove Dr, Whittier	Cal
REF Mfg. Co., 1	Jericho Tnpk, Mineola	NY
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Shawmut Engineering Co., 1	195 Freeport St, Boston	Mass
South River Metal Products Co., Inc., 1	377 Turnpike, South River	NJ
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
Zero Mfg. Co., 1	1121 Chestnut St, Burbank 71	Cal

MAGNESIUM OXIDE
1. MATERIAL 2. PARTS 3. PARTS, METALLIZED

CARBORUNDUM CO., LATROBE PLANT, 1-2, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Delta Chemical Works, 1	21 W. 60th St, New York	NY
Dow Chemical Co., 1	Midland	Mich
Gladding, McBean & Co., 2-3	1551 S. Primrose St, Monrovia	Cal
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works, 1	Second & Mallinckrodt Sts, St. Louis 7	Mo
Materials for Electronics, Inc., 1-2-3	152-25 138 Ave, Jamaica 34	NY
National Beryllia Corp., 2-3	4501 Dell Ave, North Bergen	NJ
Norton Co., 1-2	1 New Bond St, Worcester 6	Mass
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
SEMI-ELEMENTS, INC., 1, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Zirconium Corp of America, 1-2	31501 Solon Rd, Solon 39	Ohio

MAGNET COILS See COILS —*WINDINGS ONLY*
MAGNETIC ALLOYS See ALLOYS: MAGNETS —*PERMANENT*
MAGNETIC AMPLIFIER CIRCUIT DEMONSTRATORS See DEMONSTRATORS
MAGNETIC AMPLIFIERS See AMPLIFIERS —*MAGNETIC*

MAGNETIC ANALYSIS EQUIPMENT

Bell, Inc., F.W.	1356 Norton Ave, Columbus 12	Ohio
Di An Controls, Inc.	40 Leon St, Boston 15	Mass
Dice Co., J.W.	Englewood	NJ
Halex, Inc.	310 E. Imperial Hwy, El Segundo	Cal
Harvey-Wells Electronics, Inc	North St, Southbridge	Mass
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Magnetic Analysis Corp	42-44 12th St, Long Island City 1	NY
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**

MAGNETIC BRAKES See BRAKES —*MAGNETIC*
MAGNETIC CLUTCHES See CLUTCHES —*MAGNETIC*
MAGNETIC CORES See CORES
MAGNETIC-DRUM RECORDERS See RECORDERS —*DRUM, MAGNETIC*
MAGNETIC DRUMS See MEMORIES —*COMPUTER*
MAGNETIC FILM See TAPES —*MAGNETIC RECORDING*
MAGNETIC FILM RECORDERS See RECORDERS —*FILM*
MAGNETIC FLUXMETERS See FLUXMETERS
MAGNETIC FOIL See FOIL —*MAGNETIC*
MAGNETIC FREQUENCY MULTIPLIERS See GENERATORS —*SIGNAL, HARMONIC*
MAGNETIC IRON OXIDE See IRON OXIDE
MAGNETIC IRON POWDER See IRON POWDER
MAGNETIC MODULATORS See MODULATORS
MAGNETIC PICKUPS See PICKUPS —*PHONOGRAPH*
MAGNETIC POWDERS See FERRITES
MAGNETIC RECORDINGS HEADS See HEADS
MAGNETIC RECORDING WIRE See WIRE —*MAGNETIC RECORDING*
MAGNETIC SHIELDING See SHIELDING
MAGNETIC STEEL See STEEL —*ELECTRIC*
MAGNETIC TAPE See TAPES —*MAGNETIC RECORDING*
MAGNETIC TAPE CONTROLS —*MACHINE TOOL* See CONTROLS — *MACHINE TOOL*
MAGNETIC TAPE DUPLICATORS See DUPLICATORS
MAGNETIC TAPE ERASERS —*BULK* See ERASERS
MAGNETIC TAPE MEMORIES See MEMORIES —*COMPUTER*
MAGNETIC TAPE PLAYERS See PLAYERS —*MAGNETIC TAPE*
MAGNETIC TAPE RECORDERS See RECORDERS —*MAGNETIC TAPE*
MAGNETIC TAPE REELS See REELS
MAGNETIC TAPE SEARCH UNITS See MEMORIES
MAGNETIC TAPE SPLICERS See SPLICERS

MAGNETIZERS

Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Caltron Products Co	3518 W. Pico Blvd, Los Angeles 19	Cal
Electronic Brazing Co	140 Glenridge Ave, Montclair	NJ
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
INDIANA STEEL PRODUCTS DIV. INDIANA GENERAL CORP., Adv Pg 470	**Valparaiso**	**Ind**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Klein-Electronics, Leo	2404 S. La Brea Ave, Los Angeles 16	Cal

Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp	712 S.E. Hawthorne Blvd, Portland 14	Ore
PERMAG CORP., Adv Pg 559	**88-06 Van Wyck Expwy, Jamaica 18**	**NY**
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
Shrader Co	11625 S. Broadway, Los Angeles	Cal
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

MAGNETOMETERS

Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Bell, Inc., F.W.	1356 Norton Ave, Columbus 12	Ohio
Dalmo Victor Co., Div., Textron, Inc.	1515 Industrial Way, Belmont	Cal
Device Development Corp	428 Boston Post Rd, Weston 93	Mass
Halex, Inc.	310 E. Imperial Hwy, El Segundo	Cal
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
RAWSON ELECTRICAL INSTRUMENT CO., Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Zenith Optical Laboratory	1940 Great Neck Rd, Copique	NY

MAGNETOSTRICTIVE TRANSDUCERS See ULTRASONIC EQUIPMENT
MAGNETOSTRICTIVE METALS See NICKEL
MAGNETRON AMPLIFIERS See AMPLIFIERS —*MICROWAVE*
MAGNETRONS See TUBES —*MICROWAVE*

MAGNETS —*PERMANENT*
1. ALNICO POWDERS 2. ALLOYS (EXCEPT ALNICO) 3. CERAMIC (FERRITE) 4. FINISHED ALNICO MAGNETS (Incl. FOCUS, ION TRAP, MAGNETRON, METER & SPEAKER FIELD) 5. FINISHED MAGNETS, OTHER ALLOYS

ARNOLD ENGINEERING CO., 1-2-3-4-5, Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Bishop & Co., J., Platinum Works, 2-5	Malvern	Pa
Bram Metallurgical Chemical Co., 1	820 65 Ave, Philadelphia 26	Pa
CRUCIBLE STEEL CO OF AMERICA, 1-2-3-4-5, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
CUSTOM COMPONENTS, INC., 3, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
Delta Chemical Works, 1	21 W. 60th St, New York	NY
Ferricore, Inc., 3-5	250 South St, Newark 5	NJ
FERROXCUBE CORP OF AMERICA, 3-4, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
General Electric Co., Magnetic Materials Section, 2-4-5	7806 N. Neff Blvd, Edmore	Mich
General Tire & Rubber Co., 5	Akron	Ohio
Glaser-Steers Corp., 4	155 Oraton St, Newark 4	NJ
Heppner Mfg. Co., 4	P.O. Box 608, Round Lake	Ill
HOSKINS MFG. CO., 2, Adv Pg 299	**4445 Lawton Ave, Detroit 8**	**Mich**
INDIANA STEEL PRODUCTS DIV. INDIANA GENERAL CORP., 1-2-3-4-5, Adv Pg 470	**Valparaiso**	**Ind**
KEARFOTT DIV., GEN PRECISION, INC., 3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KRYSTINEL CORP., 3, Adv Pg 555	**Fox Island Rd, Port Chester**	**NY**
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Magnaflux Corp., Sub, General Mills, 4	7328 W. Lawrence Ave, Chicago 31	Ill
MULLARD OVERSEAS, LTD., 4, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Murex, Ltd., 1	Rainham, Essex, England	
National Moldite Co., 2-3-5	250 South St, Newark 5	NJ
PERMAG CORP., 1-2-3-4-5, Adv Pg 559	**88-06 Van Wyck Expwy, Jamaica 18**	**NY**
Quam Nichols Co., 4	Marquette Rd & Prairie Ave, Chicago 37	Ill
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Shrader Co., 5	11625 S. Broadway, Los Angeles	Cal
Stackpole Carbon Co., 3	201 Stackpole St, St. Marys	Pa
Steward Mfg. Co., D.M., 3	3600 Jerrome Ave, Chattanooga 1	Tenn
THOMAS & SKINNER, INC., 2-3-4-5, Adv Pg 532	**1122 E. 23rd St, Indianapolis 5**	**Ind**
Var-Lac-Oid Chemical Co., 1-2	116 Broad St, New York 4	NY

MAGNET WIRE See WIRE —*MAGNET*

MANGANESE

American Smelting & Refining Co	120 Broadway, New York 5	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Delta Chemical Works	21 W. 60th St, New York	NY
Foote Mineral Co.	452 W. Chelten Bldg, Philadelphia 44	Pa
Lavino & Co., E.J.	3 Penn Center Plaza, Philadelphia 2	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY
Union Carbide Metals Co., Div., UCC	270 Park Ave, New York 17	NY
United Mineral & Chemical Corp.	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

MANUFACTURERS' REPRESENTATIVES See Pages 581 To 592
MANUFACTURING MACHINES See MACHINES
MARINE ANTENNAS See ANTENNAS —*MARINE:* ANTENNAS —*RADAR*
MARINE RADIOTELEPHONE SYSTEMS See COMMUNICATION SYSTEMS
MARINE RECEIVERS See RECEIVERS —*RADIO COMMUNICATION*
MARINE TRANSMITTERS See TRANSMITTERS —*RADIO COMMUNICATION*

MARKERS —*FREQUENCY, MICROWAVE*

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
THOMAS & SKINNER, INC., Adv Pg 532	**1122 E. 23rd St, Indianapolis 5**	**Ind**

MARKERS *–IDENTIFYING* See LABELS: NAMEPLATES
MARKER SIGNAL GENERATORS *–See* GENERATORS *–SIGNAL*

MARKERS *–LUMINOUS*

Brady Co., W.H.	727 West Glendale Ave, Milwaukee 12	Wisc
Ultra-Violet Products, Inc., 1	5114 Walnut Grove Ave, San Gabriel	Cal
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

MARKING INKS See INKS *–MARKING*
MARKING MACHINES See MACHINES *–MARKING*
MARKING MACHINES *–WIRE* See MACHINES *–WIRE-PROCESSING*
MARKING STAMPS See STAMPS *–MARKING*
MASERS See AMPLIFIERS *–MICROWAVE*
MASKS *–APERTURE, COLOR TV TUBE*

MASKS *–TV PICTURE TUBE*

Croname, Inc	6247 Howard St, Chicago 48	Ill

MASS SPECTROMETERS See SPECTROMETERS
MAST MOUNTS See MOUNTS *–ANTENNA*

MASTS *–ANTENNA*
1. ONE-PIECE 2. SECTIONAL 3. TELESCOPING See *Also* TOWERS

APC, Communication Products Div., 1-2-3	P.O. Box 110, Mineral Wells	Tex
AINSLIE CORP., 1, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
American Development Electronics Co., 1-2	212 Central Ave, Newark	NJ
AMERICAN ELECTRONIC LABS., INC., 2-3, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Andrew Corp., 3	P. O. Box 807, Chicago 42	Ill
Belmar Wheel & Machine Co., 1-2-3	1707 F St, Belmar	NJ
CG Electronics Corp., 1-2	15000 Central E., Albuquerque	NM
Channel Master Co., 1-2-3	Ellenville	NY
Clear Beam Antenna Co., 1-2-3	21341 Roscoe Blvd, Canoga Park	Cal
Coaxial Connector Co., Inc., 2	37 N. 2nd Ave, Mt. Vernon	NY
Craig Systems, Inc., 2-3	360 Merrimack, Lawrence	Mass
DALE PRODUCTS, INC., Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
G-C ELECTRONICS CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Haydon Corp., 1-2	3815-9th Ave, New York 34	NY
Hi-Lo Mfg. Corp., 1-2-3	1122 W. Newport Ave, Chicago 13	Ill
I.E. Manufacturing, 1-2-3	325 N. Hoyne Ave, Chicago 12	Ill
J.F.D. ELECTRONICS CORP., 1-2-3, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Kenwood Engineering Co., Inc., 1-3	265 Colfax Ave, Kenilworth	NJ
Kuss Industries, Inc., 1-2-3	Tacony & Lewis Sts, Philadelphia 24	Pa
Lamtex Industries Inc., 1-2-3	Motor Ave, Farmingdale	NY
Lorentzen, Inc., Levolor, 2	391 W. Broadway, New York 12	NY
Marconi's Wireless Telegraph Co., Ltd., 2	750 Third Ave, New York 17	NY
Mason, Shaver & Rhoades, Inc., 1-2	P.O. Box 551, Irwin	Pa
Pacific Automation Products, Inc., 2	1000 Air Way, Glendale	Cal
Parker Metal Goods Co., 1-2-3	85 Prescott St, Worcester	Mass
Pearce Simpson, Inc., 1	2295 N.W. 14th St, Miami 35	Fla
Radio Corp of America Indl Electronic Prods, 1-2-3	Front & Cooper, Camden	NJ
ROHN MFG. CO., 1-2-3, Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rostan Corp., 1-2-3	5660-59th St, Maspeth 78	NY
Smith Mfg. Co., J & H, 1-2-3	Little Britain Rd, Newburgh	NY
South River Metal Products Co., Inc., 1-2-3	377 Turnpike, South River	NJ
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	Eng
Telco Electronics Mfg. Co., 1	400 S. Wyman St, Rockford	Ill
Tetrex, Inc	Asbury Park	NJ
Thomas Mold & Die Co., 2-3	Wooster	Ohio
Topp Industries, Inc., 1-2	5221 W. 102 St, Los Angeles 45	Cal
Tower Construction Co., 2	2700 Hawkeye Dr, Sioux City	Iowa
Tricraft Products Corp., 1-2-3	1124 W. Newport Ave, Chicago 13	Ill
Tucson Instrument Corp., 1-2-3	P. O. Box 11247, Tucson 2	Ariz
VICTOR-BERNARD INDUSTRIES, 1-2-3, Adv Pg 564	**4566 Baker St, Philadelphia 27**	**Pa**
Washington Aluminum Co., Inc., 1-2-3	Pa RR & Knecht, Baltimore 29	Md
Waveguide, Inc., 2	1769 Placentia Ave, Costa Mesa	Cal
Western Coil & Electrical Co., 1-2-3	215 State St, Racine	Wisc
Wind Turbine Co., 1-2	E. Market St & Penna R.R., W. Chester	Pa
Winegard Co., 1-2	3000 Scotten Blvd, Burlington	Iowa
York-Hoover Corp., 1	York	Pa

MATCHING NETWORKS See NETWORKS

MATERIALS *–PERFORATED*

Bestcraft Products Co., Inc	626 Broadway, New York	NY
Chase Brass & Copper Co., Inc	236 Grand St, Waterbury 20	Conn
Croname, Inc	6247 Howard St, Chicago 48	Ill
Ferguson Perforating & Wire Co	132 Ernest St, Providence	RI
Harrington & King Perforating Co	5655 W. Fillmore, Chicago 44	Ill
Laminated Sheet Products Corp	449 Neponset St, P.O. Box 390, Norwood	Mass
Masonite Corp	111 W. Washington, Chicago 2	Ill
MUNDT & SONS, CHARLES, Adv Pg 549	**53 Fairmount Ave, Jersey City 4**	**NJ**

MATRICES *–DIODE & NEON BULB* See MEMORIES
MATRIX TRANSFORMERS See TRANSFORMERS *–MATRIX*
MECHANICAL COUNTERS See COUNTERS *–MECHANICAL*
MECHANICAL FILTERS See FILTERS
MECHANICAL RECORDERS See RECORDERS *–MECHANICAL*

MECHANISMS *–SINE-COSINE*

Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**

MEDICAL AMPLIFIERS See AMPLIFIERS *–MEDICAL INSTRUMENT*

MEGAPHONES *–ELECTRONIC*

Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Audio Equipment Co., Inc	75 Harbor Rd, Port Washington	NY
Canadian Marconi Co	2444 Trenton Ave, Montreal, Canada	
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

MEGOHMMETERS See OHMMETERS

MELAMINE FORMALDEHYDE See PLASTICS
MELAMINE LAMINATES See LAMINATES *–COPPER-CLAD*

MEMORIES *–COMPUTER*
1. FERRITE, APERTURE PLATE 2. FERRITE, CORE PLANE 3. MAGNETIC DRUM 4. MAGNETIC TAPE 5. MAGNETIC TAPE SEARCH UNITS 6. MATRICES (Incl. DIODE & NEON BULB) 7. THIN FILM

AEROLUX LIGHTS CORP., 6, Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
Alwac Computer Div., El-Tronics, Inc., 3-5	13040 S. Cerise, Hawthorne	Cal
AMP, INC., 1-2-6, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampex Data Products Co., 4-5	934 Charter St, Redwood City	Cal
ARNOLD ENGINEERING CO., 4, Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Autonetics, Div., North American Aviation, Inc., 3	9150 E. Imperial Hwy, Downey	Cal
BJ Electronics, Borg-Warner Corp., 3	3300 Newport Blvd, Santa Ana	Cal
Beck's, Inc., 2	298-300 E. Fifth St, St. Paul 1	Minn
BRYANT COMPUTER PRODUCTS, BRYANT CHUCKING GRINDER CO., 3, Adv Pg 246	**P.O. Box 620, Springfield**	**Vt**
CBC ELECTRONICS CO., INC., 2, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CBS ELECTRONICS, DIV., CBS, INC., 2-6-7, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Computer Control Co., Inc., 2-5-6	983 Concord St, Framingham	Mass
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 3-6	800 Shames Dr, Westbury	NY
Consolidated Controls Corp., 3	6 Durant Ave, Bethel	Conn
Control Equipment Corp., 6	19 Kearney Rd, Needham Heights 94	Mass
Dalmo Victor Co., Div., Textron, Inc., 3	1515 Industrial Way, Belmont	Cal
Data Equipment Co., 1-2-3-4-5-6-7	923 E. 3rd St, Los Angeles 13	Cal
Daystrom, Inc., Control Systems Div., 2	4455 Miramar Rd, La Jolla	Cal
Daystrom Inc., Military Elec. Div., 2	Archbald	Pa
Di An Controls, Inc., 2	40 Leon St, Boston 15	Mass
EMI-COSSOR ELECTRONICS LTD., 2-3-4, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electrodynamic Instrument Corp., 3-4	1841 Old Spanish Trail, Houston 25	Tex
Electronic Engineering Co., 5	1601 E. Chestnut Ave, Santa Ana	Cal
El-Tronics Inc., 3-4-5	20 S. 15th St, Philadelphia 2	Pa
Epsco-West, 4-5-6	240 E. Palais Rd, Anaheim	Cal
FERRANTI ELECTRIC, INC., 3, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
FERROXCUBE CORP OF AMERICA, 2, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
Flame Research, Inc., 7	P.O. Box 10502, Pittsburgh 35	Pa
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 2, Adv Pg 471	**Keasbey**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 2-3-4-7	Court St, Syracuse	NY
Genesys Corp., Sub, Chance Vought, 3-4	10131 National Blvd, Los Angeles 34	Cal
Halex, Inc., 1-3-4-7	310 E. Imperial Hwy, El Segundo	Cal
HERMES ELECTRONICS CO., 5-6, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Hoffman Co., H.L., 3	35 Old County Rd, Westbury	NY
Hughes Microwave Components Div., 3	Florence & Teale, Culver City	Cal
I B M Federal Systems Div., 2-3-4-5	326 E. Montgomery Ave, Rockville	Md
IMTRA CORP., 3, Adv Pg 310	**11 University Rd, Cambridge 38**	**Mass**
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
International Business Machines Corp., 1-2-3	590 Madison Ave, New York 22	NY
International Electronics Corp., (Mullard Equipment), 2-6	81 Spring St, New York 12	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 3-4-7	1079 Commonwealth, Boston 15	Mass
Librascope Div., General Precision, Inc., 3	808 Western Ave, Glendale 1	Cal
Litton Industries, Electronic Equipments Div., 2-3	336 N. Foothill Rd, Beverly Hills	Cal
Lockheed Electronics Co., Avionics & Ind Products Div., 2-6	Randolph St, Los Angeles	Cal
Magne-Head Div., General Transistor Corp., 3-4	2660 S. La Cienega Blvd, Los Angeles 34	Cal
Magnetics Research Co., 6	255 Grove St, White Plains	NY
Marquardt Corp., Pomona Div., 3-6	2709 N. Garey Ave, Pomona	Cal
Metavac, Inc., 7	45-68 162 St, Flushing 58	NY
Minnesota Mining & Mfg. Co., Magnetic Prods. Div., 3-4	900 Bush Ave., St. Paul 6	Minn
Monroe Calculating Machine, Co., Div., Litton Industries, 3	555 Mitchell St, Orange	NJ
MULLARD OVERSEAS, LTD., 2, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Norton Associates, Inc., 3	240 Old Country Rd, Hicksville	NY
Packard Bell Computer Corp., 6	1905 Armacost Ave, Los Angeles 25	Cal
Pendar, Inc., 3	14744 Arminta St, Van Nuys	Cal
Potter Instrument Co., Inc., 4-5	Sunnyside Blvd, Plainview	NY
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., 1-2, Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Rea Co., Inc., J.B., 3	2202 Broadway, Santa Monica	Cal
Reeves Soundcraft Corp., 4	Great Pastures Rd, Danbury	Conn
Rese Engineering Corp., 1-2	731 Arch St, Philadelphia 6	Pa
Telemeter Magnetics, Inc., 2-5-6-7	P.O. Box 329, Culver City	Cal
Vitro Corp of America, 1-2	261 Madison Ave, New York 16	NY
West Coast Research Corp., 3	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westrex Corp., Div., Litton Industries, 3-5	540 W. 58 St, New York 19	NY
Wiegand Mfg. Co., 1-6	130 E. Hawthorne Ave, Valley Stream	NY

MEMORY CORE FRAMES See FRAMES *–MEMORY*
MEMORY-CORE HANDLERS See MACHINES *–MEMORY-CORE HANDLING*
MEMORY-CORE TESTERS See TESTERS *–MEMORY-CORE*

MERCURY

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Delta Chemical Works	21 W. 60th St, New York	NY
Eastern Smelting & Refining Corp	107-109 W. Brookline St, Boston 18	Mass
Goldsmith Bros Div., National Lead Co	900 W. 18th St, Chicago 8	Ill
Johnson Matthey & Mallory Ltd	110 Industry St, Toronto, Ontario, Canada	
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Wildberg Bros Smelting & Refining Co	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY

MERCURY BATTERIES See BATTERIES
MERCURY-VAPOR DETECTORS See DETECTORS *–MERCURY-VAPOR*
MESH *–KNITTED WIRE* See TUBING *–METALLIC:* FABRICS
METAL ANODES *–PLATING* See ANODES

METAL BOXES See BOXES
METAL BUSHINGS See BUSHINGS
METAL CABINETS See CABINETS –*METAL*
METAL CASTINGS See CASTINGS
METAL CHASSIS See CHASSIS
METAL DETECTORS See DETECTORS –*METAL*
METAL FOIL See METAL DESIRED
METAL-FORMING PRESSES See MACHINES –*METAL-FORMING*
METAL-GRAPHITE BRUSHES See BRUSHES
METALLIZED ALUMINUM OXIDE See ALUMINUM OXIDE
METALLIZED CERAMICS See CERAMICS
METALLIZED FILM RESISTORS See RESISTORS –*FILM-TYPE*
METALLIZED GLASS COILS See COILS
METALLIZED PLASTICS See PLASTICS *FINISHED PARTS:* PLATING – *METAL ON PLASTIC*
METALLIZED TUBING See TUBING –*NONMETALLIC*
METALLIZING MACHINES See MACHINES –*METALLIZING*

METALLIZING SERVICES –*VACUUM*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Halex, Inc	310 E. Imperial Hwy, El Segundo	Cal
Kinney Vacuum Div., New York Air Brake Co	3529 Washington St, Boston	Mass
Metaplast Co., Inc	34-51 56th St, Woodside	NY
Metavac, Inc	45-68 162 St, Flushing 58	NY
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Poly-Kote, Inc	82 Chestnut St, North Attleboro	Mass
Remanco, Inc	1805 Colorado, Santa Monica	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

METAL PAINTS & PRIMERS See PAINTS & PRIMERS
METAL PARTS –*BUSHINGS* See BUSHINGS
METAL PARTS –*CASTINGS* See CASTINGS

METAL PARTS –*COINED*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Carr Fastener Co., Div., United-Carr	31 Ames St, Cambridge 42	Mass
Carroll Pressed Metal, Inc	133 Dewey St, Worcester	Mass
Cox Mfg. Co	807 Fredericksburg Rd, San Antonio 1	Tex
Croname, Inc	6247 Howard St, Chicago 48	Ill
Cutler Metal Products Co	1025 Line St, Camden	NJ
Electro-Chemical Engraving Co	1100 Brook Ave, New York 56	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Johnson & Hoffman Mfg. Corp	31 E. Second St, Mineola	NY
Jones & Roy Co	620 Commercial Ave, Covina	Cal
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
RICHFIELD COINED PRODUCTS CO., Adv Pg 358	**720 Broad St, Clifton**	**NJ**
Romac Products Co	48-01 25 Ave, Long Island City 3	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Shawmut Engineering Co	195 Freeport St, Boston	Mass
Sheffco Mfg. Corp	323 Bergen Blvd, Fairview	NJ
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Screw & Bolt Corp	3590 W. 58 St, Cleveland 2	Ohio
Worcester Pressed Steel Co	100 Barber Ave, Worcester 6	Mass
York Metal Products, Inc	350 Greenwich St, New York 13	NY

METAL PARTS –*CONTACTS* See CONTACTS

METAL PARTS –*DEEP DRAWN*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Advance Stamping Co	12025 Dixie, Detroit 39	Mich
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
Avco Corp., Nashville Div	Nashville	Tenn
Bishop & Co., J., Platinum Works	Malvern	Pa
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Carr Fastener Co., Div., United-Carr	31 Ames St, Cambridge 42	Mass
Cly-Del Mfg. Co	42 Sharon Rd, Waterbury	Conn
Cutler Metal Products Co	1025 Line St, Camden	NJ
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
General Aviation & Electronics Mfg. Co., Inc	179 Berger St, Woodridge	NJ
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
HUDSON TOOL & DIE CO., INC., Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Johnson & Hoffman Mfg. Corp	31 E. Second St, Mineola	NY
Kaupp & Sons., C.B.	32 Newark Way, Maplewood	NJ
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
Kling Metal Spinning Co	247 Centre St, New York	NY
Kolton Electric Mfg. Co	123 New Jersey Railroad Ave, Newark 5	NJ
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Milwaukee Stamping Co	802 S. 72 St, Milwaukee	Wisc
Mirro Aluminum Co	Manitowoc	Wisc
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
Nostrand Metal Fabricators	323 Lexington Ave, Brooklyn	NY
Olympic Products Co., Inc	Third Ave, Alpha	NJ
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Romac Products Co	48-01 25 Ave, Long Island City 3	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
SEXTON CAN CO., INC., Adv Pg 498	**31 Cross St, Everett 49**	**Mass**
Shawmut Engineering Co	195 Freeport St, Boston	Mass
Sheffco Mfg. Corp	323 Bergen Blvd, Fairview	NJ
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
Teiner Co., Inc., Roland	134 Tremont St, Everett 49	Mass
Transval Electronics Corp	2030 Maple Ave, El Segundo	Cal
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY
Worcester Pressed Steel Co	100 Barber Ave, Worcester 6	Mass
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

METAL PARTS –*ELECTROFORMED* See *Also* ELECTROFORMING SERVICES

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Jones & Roy Co	620 Commercial Ave, Covina	Cal
Metaplast Co., Inc	34-51 56th St, Woodside	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Ultra Electroforming & Mfg. Co	112 Cedar Ave, Pitman 6	NJ

METAL PARTS –*FORMED WIRE* See WIRE PARTS

METAL PARTS –*LAMINATED*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bar-Ray Products, Inc	213 25 St, Brooklyn 32	NY
Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Horton-Angell Co	27 Bicknell St, Attleboro	Mass
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
REF Mfg. Co	Jericho Tnpk, Mineola	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Worcester Pressed Steel Co	100 Barber Ave, Worcester 6	Mass
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

METAL PARTS –*LEAD* See LEAD

METAL PARTS –*POWDERED*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Beemer Engineering Co	401 N. Broad St, Philadelphia 8	Pa
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
Ferro Powdered Metals, Inc	P.O. Box 312E, Salem	Ind
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
KEYSTONE CARBON CO., RESISTOR DIV., Adv Pg 107	**St. Marys**	**Pa**
Kulite Tungsten Corp	1040 Hoyt Ave, Ridgefield	NJ
Lockheed Electronics Co., Avionics & Ind Products Div	Randolph St, Los Angeles	Cal
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
National Moldite Co	250 South St, Newark 5	NJ
Raybestos-Manhattan, Inc	61 Willett St, Passaic	NJ
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Superior Carbon Products Co	9115 George Ave, Cleveland 5	Ohio
TORRINGTON CO., Adv Pg 519	**59 Field St, Torrington**	**Conn**

METAL PARTS –*SCREW MACHINE*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Abbott Products, Inc	14-10 123rd St, College Point 56	NY
Acme Industrial Co	202 N. Laffin St, Chicago	Ill
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Alpine Electronic Components	Wolcott Rd, Waterbury	Conn
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Autoscrew Co., Inc	216-222 W. 18th St, New York 11	NY
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carmac Aviation	8414 San Fernando Rd, Sun Valley	Cal
Chicago Screw Co	2703 Washington Blvd, Bellwood	Ill
Cox Mfg. Co	807 Fredericksburg Rd, San Antonio 1	Tex
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
DeLandri Prec. Elements Co., Inc	39 School St, Yonkers	NY
Eastern Specialty Co	Philadelphia 40	Pa
ELASTIC STOP NUT CORP. OF AMERICA, Adv Pg 298	**2330 Vauxhall Rd, Union**	**NJ**
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electro-Products, Inc	15050 Schaefer Hwy, Detroit 27	Mich
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Freeman Co	8th & Walnut Sts, Yankton	SD
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**

Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
H & H Products Co	766 Ramsey Ave, Hillside	NJ
Heldor Mfg. Corp	**238 Lewis St, Paterson**	**NJ**
Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jandor, Inc	428 Salem Ave, Dayton 6	Ohio
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
Massachusetts Gear Div., Geartronics Corp	922 Main St, West Concord	Mass
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Milwaukee Stamping Co	802 S. 72 St, Milwaukee	Wisc
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Moody Machine Products Co., Inc	42-46 Dudley St, Providence 5	RI
Nichols Products Co., 1	323 W. Main St, Moorestown	NJ
Nutmeg Screw Machine Products Co	P.O. Box 1470, Waterbury	Conn
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
Precision Stampings, Inc	142 Fulton Ave, New Hyde Park	NY
Red Devil Mfg. Co	1402 N. Ogden Ave, Chicago 10	Ill
Research Development Manufacture Inc	429 E. Collom St, Philadelphia 44	Pa
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Romac Products Co	48-01 25 Ave, Long Island City 3	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Sinclair Mfg. Co	Chartley	Mass
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Standard Insert Co	12272 Montague St, Pacoima	Cal
Standard Locknut & Lockwasher, Inc	2250 Valley Ave, Indianapolis 18	Ind
STANDARD PRESSED STEEL CO., Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
Steel Heddle Mfg. Co	2100 W. Allegheny Ave, Philadelphia 32	Pa
TORRINGTON CO., Adv Pg 519	**59 Field St, Torrington**	**Conn**
Transline Electronic Mfg. Co	304 Mt. Pleasant Ave, Newark 4	NJ
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Screw & Bolt Corp	3590 W. 58 St, Cleveland 2	Ohio

METAL PARTS —*SMALL METAL STAMPINGS*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Admiral Tool & Mfg. Co	2354 N. Clybourn, Chicago	Ill
Advance Stamping Co	12025 Dixie, Detroit 39	Mich
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
Algo, Inc	251 West St, South Hackensack	NJ
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc	600 Water St, Jersey City	NJ
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
ART WIRE & STAMPING CO., Adv Pg 74	**227 High St, Newark 2**	**NJ**
Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Associated Engineering & Mfg. Corp	Glen Ridge	NJ
Atlee Components, Inc	8220 Lankershim Blvd, N. Hollywood	Cal
Auburn Mfg. Co., The	**Pease Ave & Stack St, Middletown**	**Conn**
Autoscrew Co., Inc	**216-222 W. 18th St, New York 11**	**NY**
Baltic Metal Products Co	126 Sutton St, Brooklyn 22	NY
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Besler Corp	4053 Harlan St, Oakland 8	Cal
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Braun Tool & Instrument Co., Inc., H	140 Fifth Ave, Hawthorne	NJ
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Carmac Aviation	8414 San Fernando Rd, Sun Valley	Cal
Carr Fastener Co., Div., United-Carr	31 Ames St, Cambridge 42	Mass
Carroll Pressed Metal, Inc	133 Dewey St, Worcester	Mass
Cly-Del Mfg. Co	42 Sharon Rd, Waterbury	Conn
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
CONSOLIDATED REACTIVE METALS, INC., Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mass
Cox Mfg. Co	807 Fredericksburg Rd, San Antonio 1	Tex
Croname, Inc	6247 Howard St, Chicago 48	Ill
Cutler Metal Products Co	1025 Line St, Camden	NJ
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
Dayton Rogers Mfg. Co	2824 13 Ave S., Minneapolis 7	Minn
Division Lead Co	7742 W. 61st Pl, Summit	Ill
Dudek & Bock Spring & Mfg Co	4014 W. Grand Ave, Chicago 51	Ill
Eastern Specialty Co	Philadelphia 40	Pa
Electro-Chemical Engraving Co	1100 Brook Ave, New York 56	NY
Electro-Products, Inc	15050 Schaefer Hwy, Detroit 27	Mich
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
Electronic Transformer Co	70 Washington St, Brooklyn 1	NY
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Federal Tool & Mfg. Co	3600 Alabama Ave, Minneapolis 16	Minn
Forsberg Mfg. Co	127 Seaview Ave, Bridgeport	Conn
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
Gemex Corp., Industrial Div	1200 Commerce Ave, Union	NJ
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
General Aviation & Electronics Mfg. Co., Inc	179 Berger St, Woodridge	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
General Gaskets, Inc	Middletown	Conn
Golden Co	1054-38th St, Brooklyn 19	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Hobson Brothers, Inc	4940 W. Lawrence Ave, Chicago 30	Ill
HUDSON TOOL & DIE CO., INC., Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
IPPOLITO & CO., INC., JAMES, Adv Pg 559	**1624 Stillwell Ave, Bronx 64**	**NY**
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Johnson & Hoffman Mfg. Corp	31 E. Second St, Mineola	NY
Jones & Roy Co	620 Commercial Ave, Covina	Cal
Kaupp & Sons., C.B.	32 Newark Way, Maplewood	NJ
Keystone Electronics Corp	49 Bleecker St, New York 12	NY
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
Kling Metal Spinning Co	247 Centre St, New York	NY
Kolton Electric Mfg. Co	123 New Jersey Railroad Ave, Newark 5	NJ
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
LMB	2528 W. 9th St, Los Angeles 6	Cal
Laminated Shim Co., Inc	4601 Union St, Glenbrook	Conn
LaVezzi Machine Works	4635 W. Lake St, Chicago 44	Ill
Malco Mfg. Co	4023 W. Lake St, Chicago 24	Ill
Metal Findings Corp	152 W. 22nd St, New York 11	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Milwaukee Stamping Co	802 S. 72 St, Milwaukee	Wisc
Mirro Aluminum Co	Manitowoc	Wisc
Missile-Air	1108 W. 135th St, Gardena	Cal
Molded Insulation Co	335 E. Price St, Phila 44	Pa
North & Judd Mfg. Co	500 E. Main St, New Britain	Conn
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
Nostrand Metal Fabricators	323 Lexington Ave, Brooklyn	NY
Olympic Products Co., Inc	Third Ave, Alpha	NJ
Osborne Electric Co., Ltd	95 Wesley St, Toronto 18, Ontario, Canada	
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
PARAMOUNT PRODUCTS, CO., INC., Adv Pg 478	**759 Ramsey Ave, Hillside 5**	**NJ**
Pix Mfg. Co., Inc	75 Hudson St, Newark	NJ
Precision Stampings, Inc	142 Fulton Ave, New Hyde Park	NY
Quadriga Mfg. Co	213 W. Grand Ave, Chicago 10	Ill
Rada Products Co	2911 W. Carroll Ave, Chicago 12	Ill
Remsel Industries, Inc	580 E. 40th St, Chicago 15	Ill
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Romac Products Co	48-01 25 Ave, Long Island City 3	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Sessions & Son, J.H.	280 Riverside Ave, Bristol	Conn
SEXTON CAN CO., INC., Adv Pg 498	**31 Cross St, Everett 49**	**Mass**
Shawmut Engineering Co	195 Freeport St, Boston	Mass
Sheffco Mfg. Corp	323 Bergen Blvd, Fairview	NJ
Sinclair Mfg. Co	Chartley	Mass
Smith, Inc., Herman H.	2326 Nostrnad Ave, Brooklyn 10	NY
South River Metal Products Co., Inc	377 Turnpike, South River	NJ
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Standard Locknut & Lockwasher, Inc	2250 Valley Ave, Indianapolis 18	Ind
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
Steel Heddle Mfg. Co	2100 W. Allegheny Ave, Philadelphia 32	Pa
Stewart Stamping Co	624 Central Park Ave, Yonkers 4	NY
Stone City Products Co	1206-7th St, Bedford	Ind
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
Techniques, Inc	40 Jay St, Englewood	NJ
Teiner Co., Inc., Roland	134 Tremont St, Everett 49	Mass
Templet Industries	701 Atkins Ave, Brooklyn	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Thomas & Sons, Inc., William	Slocum Ave, Ridgefield	NJ
Tinnerman Products, Inc	Box 6688, Dept No 16, Cleveland 1	Ohio
Transline Electronic Mfg. Co	304 Mt. Pleasant Ave, Newark 4	NJ
Transval Electronics Corp	2030 Maple Ave, El Segundo	Cal
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY
United Screw & Bolt Corp	3590 W. 58 St, Cleveland 2	Ohio
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass
Volkert Stampings, Inc	222-34 96th Ave, Queens Village 29	NY
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa
Williams Gold Refining Co., Inc	2978 Main St, Buffalo 14	NY
Worcester Pressed Steel Co	100 Barber Ave, Worcester 6	Mass
Wrought Washer Mfg. Co	2264 S. Bay St, Milwaukee 7	Wisc
York Metal Products, Inc	350 Greenwich St, New York 13	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

METAL PARTS —*SPINNINGS*

Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
General Aviation & Electronics Mfg. Co., Inc	179 Berger St, Woodridge	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Kaupp & Sons., C.B.	32 Newark Way, Maplewood	NJ
Kling Metal Spinning Co	247 Centre St, New York	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Missile-Air	1108 W. 135th St, Gardena	Cal
Nostrand Metal Fabricators	323 Lexington Ave, Brooklyn	NY
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Teiner Co., Inc., Roland	134 Tremont St, Everett 49	Mass
TORNGREN CO., INC., C.W., Adv Pg 505	**236 Pearl St, Somerville 45**	**Mass**

METAL PARTS —*THREADED RODS*

Abbott Products, Inc	14-10 123rd St, College Point 56	NY
ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Autoscrew Co., Inc	216-222 W. 18th St, New York 11	NY
Belmar Wheel & Machine Co	1707 F St, Belmar	NJ
Bishop & Co., J., Platinum Works	Malvern	Pa
Carmac Aviation	8414 San Fernando Rd, Sun Valley	Cal
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electro-Products, Inc	15050 Schaefer Hwy, Detroit 27	Mich
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Fansteel Metallurgical Corp	2200 Sheridan, N. Chicago	Ill
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**

Forsberg Mfg. Co.	127 Seaview Ave, Bridgeport	Conn
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Red Devil Mfg Co	1402 N Ogden Ave, Chicago 10	Ill
Research Development Manufacture Inc	429 E. Collom St, Philadelphia 44	Pa
Revere Copper & Brass, Inc	230 Park Ave, New York 17	NY
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
TORRINGTON CO., Adv Pg 519	**59 Field St, Torrington**	**Conn**
United Screw & Bolt Corp	3590 W. 58 St, Cleveland 2	Ohio

METAL PARTS *–TRIMMINGS*

Anaconda American Brass Co	414 Meadow St, Waterbury 20	Conn
Croname, Inc	6247 Howard St, Chicago 48	Ill
General Aviation & Electronics Mfg. Co., Inc	179 Berger St, Woodridge	NJ
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Mirro Aluminum Co	Manitowoc	Wisc
North & Judd Mfg. Co	500 E. Main St, New Britain	Conn
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY

METAL PARTS *–COLD HEADED*

ART WIRE & STAMPING, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Hassall, Inc., John	P.O. Box 2242, Westbury	NY
Milford Rivet & Machine Co	Milford	Conn

METAL PLATING SERVICES See **PLATING SERVICES**
METAL POWDER See **METAL DESIRED**
METALS See **INDIVIDUAL LISTINGS & ALLOYS**
METALS *–TEMPERATURE EXPANSION COEFFICIENT* See **COEFFICIENT METALS**
METAL STYLI See **NEEDLES**
METAL BONDING SERVICES

METALS *–VACUUM-MELTED*

Accurate Specialties Co., Inc	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
Carpenter Steel Co	6th & Washington, Reading	Pa
CRUCIBLE STEEL CO OF AMERICA, Adv Pg 339	**P.O. Box 2518, Pittsburgh 30**	**Pa**
DRIVER CO., WILBUR B., Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co	202 Middlesex St, Harrison 13	NJ
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
Goldsmith Bros Div., National Lead Co	900 W. 18th St, Chicago 8	Ill
Hamilton Watch Co., Precision Metals Div.	Lancaster	Pa
Haynes Stellite Co., Div., UCC	1020 W. Park Ave, Kokomo	Ind
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
Kulite Tungsten Corp	1040 Hoyt Ave, Ridgefield	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Republic Steel Corp	Republic Bldg, Cleveland 1	Ohio
Research Chemicals	1708 W. Providencia, Burbank	Cal
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Union Carbide Metals Co., Div., UCC	270 Park Ave, New York 17	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Wah Chang Corp	233 Broadway, New York 7	NY

METAL-TO-GLASS ALLOYS See **ALLOYS** *–SPECIAL PURPOSE*
METAL TUBES & SLEEVES See **TUBING** *–METALLIC*

METEOROLOGICAL EQUIPMENT *–ELECTRONIC* See *Also* **INDICATORS: RADIOSONDES: SOUNDING EQUIPMENT**

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Beckman & Whitley, Inc	913 San Carlos Ave, San Carlos	Cal
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Molded Insulation Co	335 E. Price St, Phila 44	Pa
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

METER CALIBRATORS See **CALIBRATORS** *–METER*
METER CASES See **HOUSINGS** *–METER MOVEMENT:* **CASES** *–PORTABLE*
METER MULTIPLIERS See **MULTIPLIERS** *–METER*
METERS *–AMMETER* See **AMMETERS: VOLT-OHM-MILLIAMMETERS**

METERS *–ATTENUATION*

Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	

METERS *–CAPACITANCE* See *Also* **BRIDGES**

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Epic, Inc	150 Nassau St, New York 38	NY
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
MacLeod & Hanopol, Inc	10 Roland St, Charlestown 29	Mass
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Tektronix Inc	P.O. Box 831, Portland 7	Ore

METERS *–CONDUCTIVITY* See **INDICATORS** *–CONDUCTIVITY*
METERS *–CONTACT-MAKING* See **AMMETERS: METERS** *–RELAY* **VOLTMETERS**

METERS *–COUNTING RATE*

Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Leighton Labs., H.W.	Sunset Ln & York Rd, Hatboro	Pa
Nuclear Corp of America	2 Richwood Pl, Denville	NJ
Potter Aeronautical Corp	Rt 22, Union	NJ
Radiation Instrument Development Labs	5737 S. Halsted St, Chicago 36	Ill
Tullamore Electronics Corp	6055 S. Ashland Ave, Chicago 36	Ill
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

METERS – DB

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Clough Brengle Co	6014 N. Broadway, Chicago	Ill
Communication Equipment & Engineering	5648 W. Race Ave, Chicago	Ill
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Electro-Mechanical Instrument Co	813 Chestnut St, Perkasie	Pa
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Federal Pacific Electric Co., (Fifty Ave L, Inc).	Fifty Ave L, Newark 1	NJ
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Marion Instrument Div., Minneapolis-Honeywell Regulator Co	Grenier Field, Manchester	NH
Meters, Inc	5353 N. Keystone Ave, Indianapolis 20	Ind
METRONIX, INC., Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
National Electronics	P.O. Box 1237, Sheridan	Wyo
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Sun Electric Co	6323 Avondale St, Chicago 31	Ill
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

METERS-DENSITOMETER See **DENSITOMETERS**
METERS *–DEPTH* See **DEPTH SOUNDERS**
METERS *–DEVIATION* See **BRIDGES** *–DEVIATION*
METERS *–DISTORTION* See **ANALYZERS** *–DISTORTION*
METERS *–ELAPSED TIME* See **TIMERS**
METERS *–ELECTROMETER* See **ELECTROMETERS**
METERS *–EXPOSURE* See **METERS** *–LIGHT*

METERS *–FIELD-STRENGTH*

B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bellaire Electronics, Inc	62 White St, Red Bank	NJ
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Ferris Instrument Co	110 Cornelia St, Boonton	NJ
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Magnaflux Corp., Sub, General Mills	7328 W. Lawrence Ave, Chicago 31	Ill
Mobil Electronics, Inc	1111 State Rd 67E, Anderson	Ind
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Stoddart Aircraft Radio Co., Inc	6644 Santa Monica Blvd, Hollywood 38	Cal

METERS *–FLOW* See **INDICATORS** *–FLUID-FLOW*
METERS *–FLUTTER* See **METERS** *–WOW & FLUTTER*
METERS *–FLUX* See **FLUXMETERS**

METERS *–F-M DEVIATION*

A.R.F. Products, Inc	7627 Lake St, River Forest	Ill
Browning Labs., Inc	100 Union Ave, Laconia	NH
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
LAMPKIN LABORATORIES, INC., Adv Pg 566	**Bradenton 1**	**Fla**
Pitometer Log Corp	237 Lafayette St, New York 12	NY
Radio Specialty Mfg. Co	2023 S.E. Sixth Ave, Portland 14	Ore

METERS *–FOOTCANDLE* See **METERS** *–LIGHT*

METERS *–FREQUENCY*
1. A-F 2. R-F 3. R-F. GRID-DIP 4. VIBRATING REED

Airmec Ltd., 1-2	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
ALCO ELECTRONIC PRODUCTS, INC., 3, Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
Allied Radio Corp., 3	100 N. Western Ave, Chicago 80	Ill
American Development Electronics Co., 1-2-3	212 Central Ave, Newark	NJ
American Machine & Foundry Co., Government Products Group, 1	1701 K St, N.W., Washington 6	DC
Anadex Instruments, Inc., 1	14734 Arminta St, Van Nuys	Cal
Barker & Williamson, 1-3	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 1-2	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
BECKMAN/BERKELEY DIV., 1-2, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Biddle Co., James G., 4	1316 Arch St, Philadelphia 7	Pa
BUDELMAN ELECTRONICS CORP., 2 Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
Canadian Research Institute, 1-2-3	46 St. George St, Toronto 5, Ontario, Canada	
Computer Measurements Corp., 1-2	5528 Vineland Ave, North Hollywood	Cal
CROSBY TELECTRONIC LAB., INC., 2, Adv Pg 422	**54 Kinkel St Westbury**	**NY**
Dawe Instruments Ltd., 1	99 Uxbridge Rd, London W5, England	
Diamond Antenna & Microwave Corp., 2	River St, Winchester	Mass
ELECTRO IMPULSE LAB., INC., 2, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electronic Applications, Inc., 1-2	194 Richmond Hill Ave, Stamford	Conn
Electronic Research & Dev.Co., Ltd., 2	210 9th Ave, S.E., Calgary, Alberta, Canada	
Engineering Associates, 1-2	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., 2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Federal Pacific Electric Co., (Fifty Ave L, Inc)., 1-4	Fifty Ave L, Newark 1	NJ
Frequency Standards, Div., Harvard Industries, Inc., 2	P.O. Box 504, Asbury Park	NJ
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL COMMUNICATION CO., 2, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 1-2, Adv Pg 285	**West Concord**	**Mass**

Gertsch Products, Inc., 2	3211 S. La Cienega, Los Angeles 16	Cal
Helipot Div., Beckman Instruments, Inc., 1	2500 Fullerton Rd, Fullerton	Cal
HEWLETT-PACKARD CO., 1-2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
International Instruments, Inc., 2	P.O. Box 2954, New Haven 15	Conn
J-B-T INSTRUMENTS, INC., 1, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
JERROLD ELECTRONICS CORP., 2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Korfund Co., Inc., 4	1060 Washington Ave, New York 50	NY
Kyoritsu Electrical Instruments Works, Ltd., 1-2-3	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
LAMPKIN LABORATORIES, INC., 2, Adv Pg 566	**Bradenton 1**	**Fla**
LAVOIE LABORATORIES, INC., 2, Adv Pg 262	**Morganville**	**NJ**
Loral Electronics Corp., 2	825 Bronx River Ave, New York 72	NY
Lumen, Inc., 1	P.O. Box 905, Joliet	Ill
MARCONI INSTRUMENTS, 2, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marion Instrument Div., Minneapolis-Honeywell Regulator Co., 1	Grenier Field, Manchester	NH
Marstan Electronics Corp., 1-2	204 Babylon Trnpk, Roosevelt	NY
MEASUREMENTS DIV., McGRAW-EDISON., 2-3, Adv Pg 546	**Boonton**	**NJ**
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
National Electronics, 1-2-4	P.O. Box 1237, Sheridan	Wyo
NORTHERN RADIO CO., INC., 1, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Phaostron Instrument & Electronic Co	151 Pasadena Ave, South Pasadena	Cal
Production Research Corp., Sub of Radio Condenser Co., 1-2	Claremont Ave, Thornwood	NY
Radiometer, 3	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rohde & Schwarz, USA, Inc., 2	P.O. Box 275, Passaic	NJ
S-E Laboratories Ltd., 1	606 N. Felthan Trading Estate, Felthan Middlesex, England	
SENSITIVE RESEARCH INSTRUMENT CORP., 1, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Sonar Radio Corp., 2	3050 W. 21 St, Brooklyn 24	NY
Sparton Corp., 1-2	2400 E. Ganson St, Jackson	Mich
STICHT CO., INC., HERMAN H., 4, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sun Electric Co., 1-2	6323 Avondale St, Chicago 31	Ill
Taffet Electronics, Inc., 1-2-3	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
TECHNICAL MATERIEL CORP., 2, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Venner Electronics, Ltd., 1	Kingston By-Pass, New Malden	England
Vidar Corp., 1	2107 El Camino Real, Palo Alto	Cal
Voltron Products, 1	1020 S. Arroyo Pkwy, Pasadena	Cal
Wac Line, Inc., 1-2	35 S. St. Clair St, Dayton 2	Ohio
WATERMAN PRODUCTS CO., INC., 1, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
Waveline, Inc., 2	P.O. Box 718, Caldwell	NJ
Westberg Mfg. Co	144 S. Coombs St, Napa	Cal
WESTINGHOUSE ELECTRIC CORP., 1, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc., 4	40 Worth St, New York 13	NY

METERS *–GAUSSMETERS See* GAUSSMETERS

METERS *–GRID-DIP*

ALCO ELECTRONIC PRODUCTS, INC., Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
Barker & Williamson	Canal & Beaver Sts, Bristol	Pa
BOONTON ELECTRONIC CORP., Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
ELECTRONIC INSTRUMENT CO., INC., Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	

METER SHUNTS See SHUNTS
METERS *–IMPEDANCE See* BRIDGES: DETECTORS *–STANDING-WAVE:* SLOTTED SECTIONS
METERS *–INTERFEROMETERS See* INTERFEROMETERS
METERS *–INTERMODULATION See* ANALYZERS *–INTERMODULATION*
METERS *–LIGHT INTENSITY See* PHOTOMETERS

METERS *–LIGHT & PHOTOGRAPHIC EXPOSURE*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
National Electronics	P.O. Box 1237, Sheridan	Wyo
PHOTOCHRON RESEARCH INC., Adv Pg 547	**2 Howard St, New York 13**	**NY**
Photovolt Corp	95 Madison Ave, New York 16	NY
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

METERS *–MAGNETIC FIELD INTENSITY See* FLUXMETERS
METERS *–MAGNETIC FORCE See* MAGNETOMETERS

METERS *–MINIATURE*

ALCO ELECTRONIC PRODUCTS, INC., Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Beede Electrical Inst Co., Inc	Penacook	NH
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
HOYT ELECTRICAL INSTRUMENT WKS., INC., Adv Pg 534	**42 Carleton St, Cambridge 42**	**Mass**
International Instruments, Inc	P.O. Box 2954, New Haven 15	Conn
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Marion Instrument Div., Minneapolis-Honeywell Regulator Co	Grenier Field, Manchester	NH
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Taffet Electronics, Inc	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
TRIO LABORATORIES, INC., Adv Pg 283	**Plainview**	**NY**
Wac Line, Inc	35 S. St. Clair St, Dayton 2	Ohio

METERS *–MODULATION*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avtron Mfg. Inc	10409 Meech St, Cleveland	Ohio
BUDELMAN ELECTRONICS CORP., Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Kyoritsu Electrical Insturments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
LAMPKIN LABORATORIES, INC., Adv Pg 566	**Bradenton 1**	**Fla**
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
New London Instrument Co	P.O. Box 189, New London	Conn
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
TELECTRO INDUSTRIES CORP., Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
TRIO LABORATORIES, INC., Adv Pg 283	**Plainview**	**NY**
Voltron Products	1020 S. Arroyo Pkwy, Pasadena	Cal
Wac Line, Inc	35 S. St. Clair St, Dayton 2	Ohio
Waltham Electronics Corp	751 Main St, Waltham 54	Mass
Wayne Kerr Corp	1633 Race St, Philadelphia 3	Pa

METERS *–MOISTURE, ELECTRONIC See* INDICATORS *–MOISTURE*
METERS *–MULTIRANGE See* VOLT-OHM-MILLIAMMETERS
METERS *–NULL See* INDICATORS *–NULL*
METERS – OHMMETERS *See* OHMMETERS: VOLTMETERS *–ELECTRONIC*

METERS *–OUTPUT*

AMERAC, INC., Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Machine & Foundry Co., Government Products Group	1701 K St, N.W., Washington 6	DC
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
RAWSON ELECTRICAL INSTRUMENT CO., Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Taffet Electronics, Inc	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Wac Line, Inc	35 S. St. Clair St, Dayton 2	Ohio

METERS *–PANEL See* AMMETERS: GALVANOMETERS: METERS – D-B: METERS – VU: OHMMETERS: VOLTMETERS: WATTMETERS
METERS *–PERMEABILITY See* PERMEAMETERS
METERS *–pH See* INDICATORS *–pH*

METERS *–PHASE ANGLE*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
ACTON LABS, INC., Adv Pg 222	**533 Main St, Acton**	**Mass**
AD-YU ELECTRONICS LAB., INC., Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Assembly Products, Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
Booth Co., Arthur E.	265 S. Alexandria Ave, Los Angeles 4	Cal
Computer Measurements Corp	5528 Vineland Ave, North Hollywood	Cal
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Deltron, Inc	4th & Cambria, Philadelphia 33	Pa
Dytronics	P.O. Box 3676, Columbus 14	Ohio
Eastern Specialty Co	Philadelphia 40	Pa
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
Epic, Inc	150 Nassau St, New York 38	NY
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
MAXSON CORP., W.L., INSTRUMENTS DIV., Adv Pg 508	**475 Tenth Ave, New York 18**	**NY**
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
Muirhead & Co., Ltd	Beckenham, Kent, England	
Nilsen Mfg. Co	22 N. Church, Addison	Ill
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Rohde & Schwarz, USA, Inc	P.O. Box 275, Passaic	NJ
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
TRIO LABORATORIES, INC., Adv Pg 283	**Plainview**	**NY**
WATERMAN PRODUCTS CO., INC., Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal
Wintronics	213 S. Hawthorne Blvd, Hawthorne	Cal

METERS —*PHOTOFLASH LIGHT OUTPUT*

Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

METERS —*POWER* See **WATTMETERS:** See *Also:* **BOLOMETERS: CALORIMETERS**

METERS —*POWER FACTOR*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Assembly Products, Inc.	75 Wilson Mills Rd, Chesterland 6	Ohio
Avo Ltd.	80 Shore Rd, Port Washington	NY
Candian Research Institute	46 St. George St, Toronto 5; Ontario, Canada	
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Epic, Inc	150 Nassau St, New York 38	NY
Esterline-Angus Co., Inc	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Federal Pacific Electric Co., (Fifty Ave L, Inc)	Fifty Ave L, Newark 1	NJ
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
National Electronics	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
SENSITIVE RESEARCH INSTRUMENT CORP., Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Voltron Products	1020 S. Arroyo Pkwy, Pasadena	Cal
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc.	40 Worth St, New York 13	NY

METERS —*POWER-LEVEL*
1. A-F 2. ELECTRONIC 3. MICROWAVE 4. R-F

Aircom, Inc., 3	48 Cummington St, Boston	Mass
Airtec, Inc., 3	139 E. First Ave, Roselle	NJ
AMERAC, INC., 3, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Development Electronics Co., 1	212 Central Ave, Newark	NJ
Aviation Electric, Ltd., 3-4	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
BALLANTINE LABORATORIES, INC., 1-2, Adv Pg 59	**Boonton**	**NJ**
Barker & Williamson, 4	Canal & Beaver Sts, Bristol	Pa
Benco Television Associates, Ltd., 4	27 Taber Rd, Rexdale, Ontario, Canada	
Bruno-New York Industries Corp., 4	460 W. 34 St, New York 1	NY
Canadian Research Institute, 1	46 St. George St, Toronto 5, Ontario, Canada	
CONTROL ELECTRONICS CO., INC., 2-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DAVEN CO., 1, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 2, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
DOUGLAS MICROWAVE CO., INC., 3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dynamic Electronics, Capehart Corp., 1-2-3-4	87-46 123 St, Richmond Hill 18	NY
ELECTRO IMPULSE LAB., INC., 3-4, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electronic Applications, Inc., 3-4	194 Richmond Hill Ave, Stamford	Conn
EMPIRE DEVICES PRODUCTS CORP., 3-4, Adv Pg 454	**Amsterdam**	**NY**
Engelhard Industries, Inc., 2	113 Astor St, Newark 2	NJ
FXR, INC., 3-4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GATES RADIO CO., 1-4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL COMMUNICATION CO., 3-4, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Heath Co., A Sub of Daystrom, Inc., 4	Benton Harbor	Mich
HEWLETT-PACKARD CO., 3-4, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 3-4	35 Old County Rd, Westbury	NY
Instrument Laboratories, 2	315 W. Walton Pl, Chicago 10	Ill
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 3-4, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
KEARFOTT DIV., GEN PRECISION, INC., 3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kyoritsu Electrical Instruments Works, Ltd., 1-2-4	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Lumen, Inc., 1-2	P.O. Box 905, Joliet	Ill
Manufacturers Engineering & Equipment Corp., 2	York & Sunset Ln, Hatboro	Pa
Mechanical Products Inc. Electronic Sys. Div., 3	1824 River St, Jackson	Mich
Microwave Associates, Inc., 3	Burlington	Mass
Mobil Electronics, Inc., 4	1111 State Rd 67E, Anderson	Ind
New England Scientific Instruments Co., 1	238 Main St, Cambridge 42	Mass
Northeast Electronics Corp., 1	P.O. Box 425, Concord	NH
PRD ELECTRONICS, INC., 3, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Phaostron Instrument & Electronic Co., 2	151 Pasadena Ave, South Pasadena	Cal
POLARAD ELECTRONICS CORP., 2-3-4, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 3, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 3, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 2-3	Claremont Ave, Thornwood	NY
RAWSON ELECTRICAL INSTRUMENT CO., 1-4, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Rohde & Schwarz, USA, Inc., 1-4	P.O. Box 275, Passaic	NJ
Scientific-Atlanta, Inc., 1-3-4	2162 Piedmont Rd N.E., Atlanta 9	Ga
SENSITIVE RESEARCH INSTRUMENT CORP., 1, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Simpson Electric Co., Div., American Gage & Machine Co., 1	5218 W. Kinzie St, Chicago 44	Ill
Specialty Electronics Development Corp., 3	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., 3, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Taffet Electronics, Inc., 1-2	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tenlo Research Corp., 1-2	9424 Lyndale Ave S., Minneapolis 20	Minn
Trepac Corp of America, 2-3	30 W. Hamilton Ave, Englewood	NJ
Triplett Elec Instrument Co., 2-4	Harmon Rd, Bluffton	Ohio
Victor R.F. & Microwave Co., 3	36 W. Water St, Wakefield	Mass
Wac Line, Inc., 1-4	35 S. St. Clair St, Dayton 2	Ohio
Waveforms, Inc., 1	333 6th Ave, New York 14	NY
Waveline, Inc., 3	P.O. Box 718, Caldwell	NJ
Wayne Kerr Corp., 1	1633 Race St, Philadelphia 3	Pa
WEINSCHEL ENGINEERING CO., INC., 3-4, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

METERS — **Q**

Alpha Instrument Co	43 Hempstead St, New London	Conn
BOONTON RADIO CORP., Adv Pg 108	**50 Intervale Rd, Boonton**	**NJ**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
FREED TRANSFORMER CO., INC., Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
INDUSTRIAL TEST EQUIPMENT CO., Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
MARCONI INSTRUMENTS, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
New London Instrument Co	P.O. Box 189, New London	Conn
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Rohde & Schwarz, USA, Inc.	P.O. Box 275, Passaic	NJ
Yokogawa Electric Works, Inc.	40 Worth St, New York 13	NY

METERS —*RADIATION, NUCLEAR* See **COUNTERS** —*NUCLEAR:* **CHAMBERS** — *IONIZATION:* **DOSIMETERS**
METERS —*RATIOMETERS* See **RATIOMETERS**

METERS —*REFLECTION, PHOTOELECTRIC*

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Photovolt Corp	95 Madison Ave, New York 16	NY
Spectra Electronics Co.	250 E. 3rd St, Mt. Vernon	NY
Tri-Tronics Co	2607 St. Charles Rd, Bellwood	Ill
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal

METERS-RPM See **TACHOMETERS**
METERS —*RUNNING TIME* See **TIMERS** —*MOTOR-OPERATED, RUNNING TIME*

METERS —*SOUND LEVEL, ACOUSTIC*

Allison Laboratories, Inc	11301 E. Ocean Ave, La Habra	Cal
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Erwood Inc	1770 Berteau Ave, Chicago 13	Ill
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gotham Audio Corp	2 W. 46 St, New York 36	NY
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
Kyoritsu Electrical Instuments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rohde & Schwarz, USA, Inc.	P.O. Box 275, Passaic	NJ
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio

METERS —*RELAY*

Assembly Products Inc	75 Wilson Mills Rd, Chesterland 6	Ohio
DAYSTROM INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**

METERS —*SPEED, AUTO*
1. ELECTRONIC TIMING 2. RADAR

BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Computer Measurements Corp., 1	5528 Vineland Ave, North Hollywood	Cal
Erie-Pacific Div of Erie Resistor Crop., 1	12932 S. Weber Way, Hawthorne	Cal
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Haydon Co., A.W., The, 1	238 N. Elm St, Waterbury	Conn
I-L-S Instrument Div., Meriam Instrument Co., 1	4525 W. 160th St, Cleveland 35	Ohio
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
Larson Instrument Co., 1	24 Orchard St, Tarrytown	NY
NORTHEASTERN ENGINEERING, INC., 1, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Performance Measurements Co., 1	15120 Third Ave, Detroit 3	Mich
Radiometer, 1	72 Emdrupvej, Copenhagen NV 1, Denmark	
Republic Electronic Industries Corp., 1-2	111 Gazza Blvd, Farmingdale	NY
Spectra Electronics Co., 1	250 E. 3rd St, Mt. Vernon	NY
Venner Electronics, Ltd., 1	Kingston By-Pass, New Malden	England
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY

METERS —*STANDING WAVE* See **DETECTORS** —*STANDING WAVE*

METERS —*TENSION*

Bytrex Corp	50 Hunt St, Newton	Mass
Electromatic Equipment Co	175 Remsen Ave, Brooklyn 12	NY
FALCON MACHINE & TOOL CO., Adv Pg 520	**207 Concord Trnpk, Cambridge**	**Mass**
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Tensitron, Inc	Harvard	Mass
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio

METERS —*THERMOCOUPLE*

Assembly Products, Inc.	75 Wilson Mills Rd, Chesterland 6	Ohio
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ
RAWSON ELECTRICAL INSTRUMENT CO., Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**

SENSITIVE RESEARCH INSTRUMENT CORP., Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Sun Electric Co	6323 Avondale St, Chicago 31	Ill
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc.	40 Worth St, New York 13	NY

METERS *–VIBRATION See* **INDICATORS** *–VIBRATION*
METERS *–VISCOSITY See* **INDICATORS** *–VISCOSITY*
METERS *–VOLTAGE RATIO See* **VOLTMETERS**
METERS *–VOLT-OHM, ELECTRONIC See* **VOLTMETERS** *–VACUUM TUBE*
METERS *–VOLT-OHM-MILLIAMMETERS See* **VOLT-OHM-MILLIAMMETERS**

METERS – VU

American Research Lab	336 S. Main St, Fort Atkinson	Wisc
Amplifier Corp of America	396 Broadway, New York 13	NY
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Assembly Products, Inc.	75 Wilson Mills Rd, Chesterland 6	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
DEJUR-AMSCO CORP., Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Electronic Applications, Inc.	194 Richmond Hill Ave, Stamford	Conn
Federal Pacific Electric Co., (Fifty Ave L, Inc).	Fifty Ave L, Newark 1	NJ
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Helipot Div., Beckman Instruments, Inc	2500 Fullerton Rd, Fullerton	Cal
HOYT ELECTRICAL INSTRUMENT WKS., INC., Adv Pg 534	**42 Carleton St, Cambridge 42**	**Mass**
IDEAL PRECISION METER CO., INC., Adv Pg 460	**214 Franklin St, Brooklyn 22**	**NY**
International Instruments, Inc.	P.O. Box 2954, New Haven 15	Conn
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Marion Instrument Div., Minneapolis-Honeywell Regulator Co	Grenier Field, Manchester	NH
National Electronics	P.O. Box 1237, Sheridan	Wyo
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Republic Electronic Industries Corp	111 Gazza Blvd, Farmingdale	NY
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Sun Electric Co	6323 Avondale St, Chicago 31	Ill
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio

METERS *–WATTMETERS See* **WATTMETERS**
METERS *–WAVE See* **WAVEMETERS**

METERS *–WOW AND FLUTTER*

Amplifier Corp of America	396 Broadway, New York 13	NY
D & R Ltd	402 E. Gutierrez, Santa Barbara	Cal
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Minn-Honeywell, Industrial Systems Div	10721 Hanna St, Beltsville	Md

METERS *–X-RAY INTENSITY*

Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Landsverk Electrometer Co	641 Sonora Ave, Glendale 1	Cal
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio

METER TESTERS *See* **CALIBRATORS** *–METER*
METHYL METHACRYLATE *See* **PLASTICS**

MICA
1. GLASS-BONDED 2. GLASS-BONDED (NATURAL OR SYNTHETIC) PARTS 3. NATURAL, BUILT-UP SHEETS 4. NATURAL, BUILT-UP, PUNCHINGS 5. NATURAL, PUNCHINGS 6. NATURAL, SPLIT SHEETS 7. SYNTHETIC 8. TAPE-TUBING See **TUBING** *–NON-METALLIC*

Alloys Unlimited, Inc., 4-5	21-03 43rd Ave, Long Island City 1	NY
Asheville-Schoonmaker Mica Co., 3-4-5-6	900 Jefferson Ave, Newport News	Va
Associated Commodity Corp., 5-6	620-5th Ave, New York 20	NY
Auburn Mfg. Co., The, 2-4-5	Pease Ave & Stack St, Middletown	Conn
Bram Metallurgical Chemical Co., 3-6	820 65 Ave, Philadelphia 26	Pa
Brush Beryllium Co., 7	4301 Perkins Ave, Cleveland 3	Ohio
Cleveland Mica Co., 3-4	1360 Hird Ave, Lakewood	Ohio
Electronic Mechanics, Inc., 1-2-7	101 Clifton Blvd, Clifton	NJ
Emerson Plastics Corp., 2	1383 Seabury Ave, Bronx 61	NY
Industrial Mica Corp., 3-4-5-6	221 S. Van Brunt St, Englewood	NJ
Insulating Fabricators, Inc., 2	150 Union Ave, East Rutherford	NJ
Integrated Mica Corp., 1-3-4-5-6-7-8	202 Franklin Pl, Woodmere	NY
MacAllen Co., 3-4-5-8	New Market	NH
A.D. Mackay, Inc., 6	198 Broadway, New York 38	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 2-3-4-5-6-7, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Mica Fabricating Co., 1-2-3-4-5-6-7-8	53 Central Ave, Rochelle Park	NJ
Mica Insulator Div of Minn Mining & Mfg Co, 3-4-8	797 Broadway, Schenectady 1	NY
Micacraft Products, Inc., 2-3-4-5-6	703 McCarter Hwy, Newark 5	NJ
MYCALEX CORP OF AMERICA, 1-2, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
Oki & Willadsen, Ltd., 2-3-4-5-7	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Polymica & Insulation Co., 3-4-5-6	683 Main St, Willimantic	Conn
Spruce Pine Mica Co., 3-4-5-6	Spruce Pine	NC
Synthetic Mica Co., 7	20 Passaic Ave, Caldwell	NJ
United Mineral & Chemical Corp., 3-4-5	16 Hudson St, New York 13	NY
WESTINGHOUSE ELECTRIC CORP., 3-4-8, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

MICA SPACERS *See* **TUBE PARTS**
MICROAMMETERS *See* **AMMETERS**
MICROFARADMETERS *See* **METERS** *–CAPACITANCE*
MICROMETERS *–ELECTRONIC See* **GAGES** *–DIMENSION*
MICROMICROAMMETERS *See* **AMMETERS**
MICRO-OHMMETERS *See* **OHMMETERS**
MICROPHONE BOOMS *See* **BOOMS**
MICROPHONE CABLES *See* **CABLES** *–SHIELDED*
MICROPHONE CONNECTORS *See* **CONNECTORS**

MICROPHONE DIAPHRAGMS *See* **DIAPHRAGMS**

MICROPHONES
1. AIRCRAFT-TYPE 2. CARBON 3. CERAMIC 4. CONDENSER 5. CONTACT 6. CRYSTAL 7. DYNAMIC 8. HEARING-AID 9. LAPEL 10. LIP 11. MAGNETIC 12. NOISE-CANCELLING 13. THROAT-UNDERWATER See **HYDROPHONES** *14. VELOCITY 15. WIRELESS*

American Geloso Electronics, 6-7-8-9	251 Park Ave S., New York	NY
AMERICAN MICROPHONE MFG. CO., 2-3-6-7-11, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Amplivox Ltd., 1-2-8-11-12	Beresford Ave, Wembley, Middlesex, England	
Applied Electronics Co., 2	213 E. Grand Ave, South San Francisco	Cal
Argonne Electronics Mfg. Corp., 3-5-6-7-8-9-11-13	165-11 South Rd, Jamaica 33	NY
Astatic Corp., The, 1-2-3-6-9	Conneaut	Ohio
Atlantic Research Corp., 3	Shirley Hwy at Edsall Rd, Alexandria	Va
AUDIOSEARS CORP., 1-2-3-7-10-11-12, Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
B & K Instruments, Inc., 3-4	3018 W. 106th St, Cleveland 11	Ohio
Bogen-Presto Div., Siegler Corp., 3-6-7-9	P.O. Box 500, Paramus	NJ
Bruel & Kjaer, 4	Lindealle 23, Naerum, Denmark	
BUDELMAN ELECTRONICS CORP., 15, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
Buhl Optical Co., 13	1009 Beech Ave, Pittsburgh 33	Pa
CBS ELECTRONICS, DIV., CBS, INC., 3-6, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Capps & Co., Inc., 4-6	20 Addison Pl, Valley Stream	NY
Chance Vought Aircraft, Inc., 12	P. O. Box 5907, Dallas 22	Tex
CHESAPEAKE INSTRUMENT CORP., 3-6, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Collins Radio Co., 7	855 35 St N.E., Cedar Rapids	Iowa
Du-Co Ceramics Co., 3	1050 Main St, Saxonburg	Pa
Dukane Corp., 7	St. Charles	Ill
Dynaco, Inc., 7-14	3912 Powelton Ave, Philadelphia 4	Pa
Electro Sonic Labs., Inc., 1-7-8-9-11-12-13-15	35-54 36th St, Long Island City 6	NY
Electro Voice, Inc., 1-2-3-6-7-11-12	Buchanan	Mich
Electronic Applications, Inc., 4-6-7-15	194 Richmond Hill Ave, Stamford	Conn
Electrovert, Inc., 3-4-7-11	124 E. 40 St, New York 17	NY
ERIE RESISTOR CORP., 3, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fanon Electronic Industries, Inc., 2-3-6-7-8-9-11	439 Frelingheysen Ave, Newark	NJ
Fedtro, Inc., 6-7-8-9-11	Fed Electr Bldg, Rockville Centre	NY
Fen-Tone Corp., 2-3-7-11-14	106 Fifth Ave, New York 11	NY
GATES RADIO CO., 2-3-4-6-7-9-13-14, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 7-11	147-12 Liberty Ave, Jamaica 35	NY
Gerber Scientific Instrument Co., 4	89 Spruce St, Hartford 1	Conn
Goat Co., Inc., Fred, 14-15	308 Dean St, Brooklyn 17	NY
Gotham Audio Corp., 4-7-14	2 W. 46 St, New York 36	NY
Hoffman Co., H.L., 2-4	35 Old County Rd, Westbury	NY
International Research Associates, 4	2221 Warwick Ave, Santa Monica	Cal
Jampro Antenna Co., 15	7500 14th Ave, Sacramento	Cal
KNOWLES ELECTRONICS, INC., 8-11, Adv Pg 520	**10545 Anderson Pl, Franklin Park**	**Ill**
Lesa Construzioni Elettromeccaniche, 6-7-8	Via Bergamo 21, Milan, Italy	
MASSA DIV., COHU ELECTRONICS, INC., 6, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Melody Master Mfg. Co., 7	2149-2151 Roscoe St, Chicago 18	Ill
Nippon Electric Co., Ltd., 4	Shiba-Mita, Tokyo, Japan	
Pearce Simpson, Inc., 2	2295 N.W. 14th St, Miami 35	Fla
Permoflux Products Co., 7-8	4101 San Fernando Rd, Glendale	Cal
Philmore Mfg. Co., Inc., 2	130-01 Jamaica Ave, Richmond Hill 18	NY
Photocon Research Products, 4	421 N. Altadena Dr, Pasadena	Cal
Racal Engineering, Ltd., 11	Western Rd, Bracknell, Berks, England	
Radio Corp of America Indl Electronic Prods, 2-3-4-7-11-12-14	Front & Cooper, Camden	NJ
Radio Mfg. Engineers, Div., Electro Voice, Inc., 1-2-3-5-6-7-9-11-12	Buchanan	Mich
Radiometer, 4	72 Emdrupvej, Copenhagen NV 1, Denmark	
Remler Co., 1-11	2101 Bryant St, San Francisco 10	Cal
Roanwell Corp., 1-2-7-10-12	180 Varick St, New York 14	NY
Roflan Co., 1-2-7-8-11-12	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rye Sound Corp., 1-5-6-7-8-9-11-12-13	145 Elm St, Mamaroneck	NY
Seg Electronics Co., Inc., 6	1778 Flatbush Ave, Brooklyn 10	NY
Seiscor Div., Seismograph Service Corp., 15	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Shure Brothers, Inc., 2-3-6-7-8-9-11-14	222 Hartrey Ave, Evanston	Ill
Sonar Radio Corp., 2	3050 W. 21 St, Brooklyn 24	NY
Sonotone Corp., 3-8	P.O. Box 200, Elmsford	NY
Sony Corp., 4-7-8-15	514 Broadway, New York 12	NY
Sound Projects Co., Div., LeClair, 11	2410 S. Central Ave, Cicero 50	Ill
Standard Telephones & Cables, Ltd., 1-2-6-7-10-11-12-14-15	63 Aldwych, London W. C. 2	Eng
Stephens Tru-Sonic, Inc., 4-15	8538 Warner Dr, Culver City	Cal
Stromberg-Carlson Div., Gen Dynamics Corp., 2-6-7	100 Carlson Rd, Rochester 3	NY
Super Ear Products Co., 1-2-6-8-9-11-12-13	32 Deering, East Rockaway	NY
Superscope Inc., 4-7-15	8520 Tujunga Ave, Sun Valley	Cal
Tandberg of America, Inc., 6-7	8 3rd Ave, Pelham	NY
Telephonics Corp., 1-2-7-10-12	Park Ave, Huntington	NY
Telex, Inc., 8	Telex Park, St. Paul 1	Minn
Tibbetts Industries, Inc., 8-11	Camden	Me
Turner Co., 1-2-3-5-6-7-9-12	909 17 St N.E., Cedar Rapids	Iowa
U.S. Instrument Corp., 11	P.O. Box 1191, Charlottesville	Va
Universal Microphone Co., 2-12-13	2610 Wilis Ln, Costa Mesa	Cal
Vari Corp., 1	2825 Cedar Ave, Minneapolis	Minn
Zenith Radio Corp., 8-11	6001 Dickens Ave, Chicago 39	Ill

MICROPHONE STANDS *See* **STANDS**

MICROSCOPES *–ELECTRON*

Bendix Aviation Corp., Cincinnati Div	3130 Wasson Rd, Cincinnati 8	Ohio
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Goat Co., Inc., Fred	308 Dean St, Brooklyn 17	NY
National Instrument Labs., Inc	826 Evarts St N.E., Washington	DC
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Philips Electronic Instruments	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Republic Lens Co., Inc	31 E. 169th St, New York 52	NY

MICROVOLTMETERS *See* **VOLTMETERS**
MICROWAVE *See* **ABSORBERS; ADAPTERS** *–COAXIAL;* **AMPLIFIERS;**

ANALYZERS –*RADAR:* ANALYZERS –*SPECTRUM:* ANTENNAS: ATTENUATORS: BENDS –*WAVEGUIDE:* BOLOMETERS *(Incl. BARRETTERS & THERMISTORS):* BRIDGES: CALIBRATORS –*FREQUENCY:* CALORIMETERS: CAPACITORS –*VARIABLE, COAXIAL:* CAVITIES: CHAMBERS –*ENVIRONMENTAL TEST:* CHOKES –*WAVEGUIDE:* CIRCULATORS: COMMUNICATION SYSTEMS: CONNECTORS –*COAXIAL CABLE:* CORNERS –*WAVEGUIDE:* COUPLERS –*DIRECTIONAL:* COUPLINGS –*MICROWAVE:* DELAY LINES –*WAVEGUIDE:* DETECTORS –*MICROWAVE:* DETECTORS –*STANDING-WAVE:* DIODES –*CRYSTAL:* DIPLEXERS: DIVIDERS –*POWER:* DUPLEXERS: ECHO BOXES: FILTERS –*COAXIAL & WAVEGUIDE:* FILTERS –*STRIP LINE:* FLANGES –*WAVEGUIDE:* GENERATORS –*NOISE:* GENERATORS –*SIGNAL:* HORNS –*WAVEGUIDE:* HYBRID JUNCTIONS: ISOLATORS –*FERRITE:* JOINTS –*ROTARY:* LENSES: LINES –*SLOTTED:* LINE STRETCHERS: MARKERS –*FREQUENCY:* METERS –*POWER-LEVEL:* MISMATCHES –*MICROWAVE, STANDARD:* MONITORS –*POWER:* MOUNTS –*BOLOMETER:* MOUNTS –*CRYSTAL:* OSCILLATORS –*MICROWAVE:* OSCILLATORS: PLUGS –*COAXIAL:* POWER SUPPLIES – D-C: PROBES: RADAR: RECEIVERS –*RADIO COMMUNICATION:* REFLECTORS –*PASSIVE:* RELAYS –*MICROWAVE:* RESISTORS –*COAXIAL TERMINATION:* RESONATORS: SHIFTERS –*PHASE:* SLOTTED SECTIONS: STANDARDS: STANDS –*WAVEGUIDE:* STRIP-LINE COMPONENTS: STRIP TRANSMISSION LINES: SWITCHES –*MICROWAVE:* TEES –*WAVEGUIDE:* TERMINATIONS: TRANSFORMERS: TRANSITIONS –*WAVEGUIDE:* TRANSMITTERS –*RADIO COMMUNICATION:* TUBES –*MICROWAVE:* TUBES –*NOISE SOURCE:* TUNERS: TWISTS: WATTMETERS –*CALORIMETRIC:* WAVEGUIDES: WAVEGUIDE TUBING: WAVEMETERS

MILLIAMMETERS See AMMETERS
MILLIOHMMETERS See OHMMETERS
MILLIVOLTMETERS See VOLTMETERS
MINIATURE BEARINGS See BEARINGS
MINIATURE METERS See METERS –*MINIATURE*
MINIATURE RECORDERS See RECORDERS –*GRAPHIC:* RECORDERS –*MAGNETIC TAPE*

MIRRORS –*SPECIAL PURPOSE*

Bache & Co., Semon	636 Greenwich St, New York 14	NY
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Edmund Scientific Co	502 E. Gloucester Pike, Barrington	NJ
Gaertner Scientific Corp	1239 Wrightwood, Chicago 14	Ill
National Cine Equipment, Inc	209 W. 48 St, New York	NY
Optical Coating Laboratory, Inc	2789 Giffen Ave, Santa Rosa	Cal
Pacific Universal Products Corp	168 Vista Ave, Pasadena 8	Cal
Republic Lens Co., Inc	31 E. 169th St, New York 52	NY
Seiscor Div., Seismograph Service Corp	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

MIRRORS – TV

Bache & Co., Semon	636 Greenwich St, New York 14	NY
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Pacific Universal Products Corp	168 Vista Ave, Pasadena 8	Cal
Republic Lens Co., Inc	31 E. 169th St, New York 52	NY

MISMATCHES –*MICROWAVE, STANDARD*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Aviation Electric, Ltd	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273–276	**26–12 Borough Pl, Woodside 77**	**NY**
HEWLETT-PACKARD CO., Adv. Pgs. 19–34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp	129–07 18th Ave, College Point 56	NY
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

MISS-DISTANCE INDICATORS See INDICATORS –*MISS-DISTANCE*
MISSILE CABLES –*UMBILICAL* See CABLES –*UMBILICAL*
MISSILE CHECKOUT SYSTEMS See TESTERS –*SYSTEM*
MISSILE GUIDANCE SYSTEMS See GUIDANCE SYSTEMS
MIXERS – A-F See AMPLIFIERS – A-F
MIXERS –*CRYSTAL, MICROWAVE* See DIODES –*CRYSTAL*
MIXERS –*VIDEO* See AMPLIFIERS – R-F
MOBILE COMMUNICATION SYSTEMS See COMMUNICATION SYSTEMS
MOBILE RECEIVERS See RECEIVERS –*RADIO COMMUNICATION*
MOBILE TRANSMITTERS See TRANSMITTERS –*RADIO* COMMUNICATION
MODULATION METERS See METERS –*MODULATION*
MODULATION MONITORS See MONITORS –*MODULATION*

MODULATORS
CONTACT: See CHOPPERS
1. FERRITE-INFRARED: See INFRARED DEVICES *2. MAGNETIC 3. PHASE 4. PULSE*

Aircom, Inc., 4	48 Cummington St, Boston	Mass
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtron, Div of Litton Industries, 1	200 E. Hanover Ave, Morris Plains	NJ
AMP, INC., 4, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Antennavision, Inc., 3	2949 W. Osborn Rd, Phoenix	Ariz
Applied Radiation Corp., 4	2404 N. Main St, Walnut Creek	Cal
Bendix-Pacific Div., Bendix Aviation, 1–2–3–4	11600 Sherman Way, North Hollywood	Cal
Burmac Electronics Co., Inc., 4	142 S. Long Beach, Rockville Center	NY
Carad Corp., 4	2850 Bay Rd, Redwood City	Cal
CARBORUNDUM CO., GLOBAR PLANT, 4, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Cascade Research Div., Monogram, 1	5245 San Fernando Rd W., LA 39	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 2, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
CLEGG LABS., DIV., CLEGG, INC., 4, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
COMMUNICATION ACCESSORIES CO., 2, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Continental Electronics Mfg. Co., 4	4212 S. Buckner Blvd, Dallas 27	Tex
Cooper Development Corp., 3	2626 S. Peck Rd, Monrovia	Cal
Decker Corp., 3	43 Monument Rd, Bala Cynwyd	Pa
Dormitzer Electric & Mfg. Co., Inc	5 Hadley St, Cambridge 40	Mass
Dorsett Electronics Labs., Inc., 4	119 W. Boyd St, Norman	Okla
DOUGLAS MICROWAVE CO., INC., 1, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Electrodynamic Instrument Corp., 3–4	1841 Old Spanish Trail, Houston 25	Tex
English Electric Valve Co., Ltd., 4	Chelmsford, Essex, England	
FXR, INC., 3–4, Adv. Pgs. 273–276	**26–12 Borough Pl, Woodside 77**	**NY**
FERROTEC, INC., 1, Adv Pg 514	**217 California St, Newton 58**	**Mass**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2-4, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Heavy Military Electronics Dept., 1-3-4	Court St, Syracuse	NY
GENERAL MAGNETICS, INC., 2, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
Goat Co., Inc., Fred, 1-2	308 Dean St, Brooklyn 17	NY
Granger Associates, 4	974 Commercial St, Palo Alto	Cal
HALLICRAFTERS CO., 1–4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2	P.O. Box 978, Garland	Tex
Instrument Systems Corp., 4	129–07 18th Ave, College Point 56	NY
Interstate Electronics Corp., 4	707 E. Vermont Ave, Anaheim	Cal
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
Knight Corp., Ewen, 1	Oak & Pine Sts, East Natick	Mass
Lear, Inc., 3-4	3171 S. Bundy Dr, Santa Monica	Cal
Lumen, Inc., 1-2	P.O. Box 905, Joliet	Ill
Magnetic Circuit Elements, Inc., 2-3	3722 Park Pl, Montrose	Cal
MANSON LABORATORIES, INC., 4, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Melabs, 1	3300 Hillview Ave, Palo Alto	Cal
Micro Gee Products, Inc., 1-2-3-4	6319 W. Slauson, Box 1005, Culver City	Cal
Microwave Associates, Inc., 1	Burlington	Mass
Narda Microwave Corp., 4	118–160 Herricks Rd, Mineola	NY
National Moldite Co., 1	250 South St, Newark 5	NJ
Networks Electronic Corp., 2-3-4	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 2	638 W. 17th St, Costa Mesa	Cal
Omega Laboratories, Inc., 4	P.O. Box 308, Rowley	Mass
Peer, Incorporated, 4	2624 Shelby St, Dallas 19	Tex
Radiation, Inc., 3	Melbourne	Fla
Rantec Corp., 1-3	23999 Ventura Blvd, Calabasas	Cal
Raytheon Co. Special Microwave Device Oper., 1	Waltham Industrial Park, Waltham 54	Mass
Solartron, Inc., 3	1742 S. Zeyn St, Anaheim	Cal
SPERRY MICROWAVE ELECTRONICS CO., 1, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Electronics Div., Reeves Instrument Corp., 3-4	Lakewood Rd, Farmingdale	NJ
TELECTRO INDUSTRIES CORP., 2-3-4, Adv. Pgs. 104, 105	**35–16 37th St, Long Island City 1**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 4	P.O. Box 6191, Dallas 22	Tex
TORWICO ELECTRONICS, INC., 2, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Tresco, Inc., 2	3824 Terrace St, Philadelphia 28	Pa
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 2–3–4, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Victor R.F. & Microwave Co., 1-4	36 W. Water St, Wakefield	Mass
Voi-Shan Electronics, 1-2-4	13259 Sherman Way, North Hollywood	Cal
Wells-Gardner & Co., 4	2701 N. Kildare Ave, Chicago 39	Ill

MODULATOR TRANSFORMERS See TRANSFORMERS –*IRON-CORE, A-F AND POWER*
MODULE ASSEMBLY MACHINES See MACHINES –*ASSEMBLY*
MODULES See CIRCUITS –*PACKAGED:* ENCAPSULATED ASSEMBLIES
MOISTURE CONTROLS See CONTROLS –*MOISTURE*
MOISTURE INDICATORS See INDICATORS –*MOISTURE*
MOISTURE METERS See INDICATORS –*MOISTURE*

MOISTUREPROOFING SERVICES

Twin City Metalseal Corp	801 S.E. 8th St, Minneapolis 14	Minn

MOISTURE RECORDERS See RECORDERS –*MOISTURE*
MOLDED CORES See CORES –*MOLDED MAGNETIC*
MOLDED PAPER PARTS See PAPER
MOLDED PLASTICS See PLASTICS
MOLDING MACHINES See MACHINES –*PLASTICS-MOLDING*
MOLTEN METAL SPRAY MACHINES See MACHINES –*METALLIZING*

MOLYBDENUM
1. FOIL 2. POWDER & PELLETS 3. RIBBON 4. SHEETS, BARS & RODS-TUBING: See TUBING – *METALLIC-WIRE:* See WIRE –*BARE*

Accurate Specialties Co., Inc., 1-2-3-4	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-2-3-4	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 2	600 Water St, Jersey City	NJ
American Silver Co., Inc., 1-3	36-07 Prince St, Flushing 54	NY
Anchor Metal Co., The, 1-2-3	966 Meeker Ave, Brooklyn 22	NY
Associated Engineering & Mfg. Corp., 1-2-3-4	Glen Ridge	NJ
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 1-2-3-4	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 4	30 Grand St, Bridgeport	Conn
City Chemical Corp., 2	132 W. 22nd St, New York 11	NY
Composite Industrial Metals, Inc., 1	235 Georgia Ave, Providence 5	RI
CROSS CO., H., 1–3, Adv Pg 514	**15 Beekman St, New York 38**	**NY**
Delta Chemical Works, 1-2-3-4	21 W. 60th St, New York	NY
Eisler Engineering Co., Inc., 3	751 S. 13 St, Newark 3	NJ
Electronic Parts Mfg. Co., Inc., 4	508-10 25th St, Union City	NJ
Elmet Div., North American Philips Co., 2-3-4	Lisbon Rd, Lewiston	Me
Fansteel Metallurgical Corp., 1-2-3-4	2200 Sheridan, N. Chicago	Ill
Firth Sterling, Inc., 2	3115 Forbes Ave, Pittsburgh	Pa
General Electric Co., Lamp Metals & Components Dept., 1-2-3-4	21800 Tungsten Rd, Cleveland 17	Ohio
Hamilton Watch Co., Precision Metals Div., 1-3	Lancaster	Pa
Kulite Tungsten Corp., 1-2-3-4	1040 Hoyt Ave, Ridgefield	NJ
A.D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY

Mallory & Co., Inc., P.R., 2	34 S. Gray St, Indianapolis 6	Ind
Materials for Electronics, Inc., 1-4	152-25 138 Ave, Jamaica 34	NY
Murex, Ltd., 2-4	Rainham, Essex, England	
REMBAR CO., INC., THE, 1-3-4, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Semi-Alloys, Inc., 1-2-3-4	550 S. Fulton Ave, Mt. Vernon	NY
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 2-4	Towanda	Pa
Thermionic Products Co., 1-2-3-4	Interhaven Ave, Plainfield	NJ
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1-2-3-4	116 Broad St, New York 4	NY
Wah Chang Corp., 1-2	233 Broadway, New York 7	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 3	525 Harbor Blvd, Belmont	Cal
WESTINGHOUSE ELECTRIC CORP., 2-3-4, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 1-2-3-4	Bloomfield	NJ

MONAURAL PREAMPLIFIERS See **AMPLIFIERS – A-F**
MONAURAL RECORDERS See **RECORDERS** –*MAGNETIC TAPE*

MONEL –*SHEETS, BARS, RODS, & STRIP*

American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Bishop & Co., J., Platinum Works	Malvern	Pa
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
CRUCIBLE STEEL CO OF AMERICA, Adv Pg 339	**P.O. Box 2518, Pittsburgh 30**	**Pa**
Driver-Harris Co	202 Middlesex St, Harrison 13	NJ
Hamilton Watch Co., Precision Metals Div	Lancaster	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Somers Brass Co	94 Baldwin Ave, Waterbury	Conn

MONEL WIRE See **WIRE** –*BARE*
MONITORS –*AIR-PARTICLE* See **MONITORS** –*RADIOACTIVITY*

MONITORS – *A-M & F-M TRANSMITTER*

Electronic Research & Dev.Co., Ltd	210 9th Ave, S.E., Calgary, Alberta, Canada	
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Harkins Radio Inc	4444 E. Washington, Phoenix	Ariz
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Miratel Inc	1080 Dionne St, St. Paul	Minn
Munston Electronic Mfg. Corp	Beech St, Islip	NY
NUCLEAR ELECTRONICS CORP., Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

MONITORS –*FREQUENCY*

Avtron Mfg. Inc	10409 Meech St, Cleveland	Ohio
C.G.S. Labs., Inc	Rt 7, Wilton	Conn
Continental Manufacturing, Inc	1612 California St, Omaha	Neb
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
LAMPKIN LABORATORIES, INC., Adv Pg 566	**Bradenton 1**	**Fla**
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Potter Aeronautical Corp	Rt 22, Union	NJ
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**

MONITORS –*MODULATION*

Avtron Mfg. Inc	10409 Meech St, Cleveland	Ohio
Browning Labs., Inc	100 Union Ave, Laconia	NH
CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Electrend Products Corp	State & Water Sts, St. Joseph	Mich
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
LAMPKIN LABORATORIES, INC., Adv Pg 566	**Bradenton 1**	**Fla**
NUCLEAR ELECTRONICS CORP., Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Waltham Electronics Corp	751 Main St, Waltham 54	Mass

MONITORS –*PHASE*

AD-YU ELECTRONICS LAB., INC., Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
Carad Corp	2850 Bay Rd, Redwood City	Cal
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
PANORAMIC RADIO PRODUCTS, INC., Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**

MONITORS –*POWER*
1. A-F 2. MICROWAVE 3. R-F

Aircom, Inc., 2	48 Cummington St, Boston	Mass
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2	200 E. Hanover Ave, Morris Plains	NJ
AMERAC, INC., 2, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Ardwin Microlab Inc., 1	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 2, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 2-3, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Aviation Electric, Ltd., 2-3	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
Bendix-Pacific Div., Bendix Aviation, 2-3	11600 Sherman Way, North Hollywood	Cal
BIRD ELECTRONIC CORP., 3, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Brunswick Instruments, 3	P.O. Box 813, New Brunswick	NJ
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DOUGLAS MICROWAVE CO., INC., 2-3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dynamic Electronics, Capehart Corp., 1-2-3	87-46 123 St, Richmond Hill 18	NY
ELECTRO IMPULSE LAB., INC., 2-3, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electronic Applications, Inc., 2-3	194 Richmond Hill Ave, Stamford	Conn
EMPIRE DEVICES PRODUCTS CORP., 2-3, Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., 2-3, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Foto-Video Electronics; Inc., 1-2-3	36 Commerce Rd, Cedar Grove	NJ
GATES RADIO CO., 1-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL COMMUNICATION CO., 3, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gilfillan Bros., Inc., 2	1815 Venice Blvd, Los Angeles 6	Cal
Heath Co., A Sub of Daystrom, Inc., 3	Benton Harbor	Mich
HEWLETT-PACKARD CO., 2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 2-3	35 Old County Rd, Westbury	NY
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 2-3, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Land-Air, Inc., 1-3	7444 W. Wilson Ave, Chicago 31	Ill
Litton Industries, Maryland Div., 2-3	4900 Calvert Rd, College Park	Md
Magnasync Corp., 1	5546 Satsuma Ave, North Hollywood	Cal
MARCONI INSTRUMENTS, 1-3, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marstan Electronics Corp., 1-3	204 Babylon Trnpk, Roosevelt	NY
MICROLAB, 2-3, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 2-3	Box 1166, Greenwich	Conn
Microwave Corp. of America, 2	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 2	92 Broad St, Babson Park 57	Mass
Mullard Equipment, Ltd., 3	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 1	21470 Coolidge Hwy, Oak Park	Mich
Northeast Electronics Corp., 3	P.O. Box 425, Concord	NH
NORTHERN RADIO CO., INC., 3, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Philco Corp., Gov't & Ind'l Div., 1-2-3	4700 Wissahickon Ave, Philadelphia 44	Pa
Rust Industrial Co., Inc., 3	130 Silver St, Manchester	NH
Sarkes Tarzian, Broadcast Equipment Div., 1	E. Hillside Dr, Bloomington	Ind
Scientific-Atlanta, Inc., 1-2-3	2162 Piedmont Rd N.E., Atlanta 9	Ga
SIERRA ELECTRONIC CORP., 2-3, Adv. Pgs. 318,319	**3885 Bohannon Dr, Menlo Park**	**Cal**
SPERRY MICROWAVE ELECTRONICS CO., 2 Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Electronics Div., Reeves Instrument Corp., 3	Lakewood Rd, Farmingdale	NJ
Tamar Electronics, Inc., 3	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL MATERIEL CORP., 3, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
Topp Industries, Inc., 3	5221 W. 102 St, Los Angeles 45	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 2	Balch St, Beverly	Mass
VARIAN ASSOCIATES, 2-3, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vidar Corp., 1	2107 El Camino Real, Palo Alto	Cal

MONITORS –*RADAR*

Aircraft Armaments, Inc	Cockeysville	Md
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Granger Associates	974 Commercial St, Palo Alto	Cal
Hazeltine Corp	59-25 Little Neck Pkwy, Little Neck	NY
Land-Air, Inc	7444 W. Wilson Ave, Chicago 31	Ill
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Pitometer Log Corp	237 Lafayette St, New York 12	NY
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Wells-Gardner & Co	2701 N. Kildare Ave, Chicago 39	Ill

MONITORS –*RADIOACTIVITY*

Airmec Ltd	High Wycombe, Buckinghamshire, England	
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
Avtron Mfg. Inc	10409 Meech St, Cleveland	Ohio
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Electric Machinery Mfg. Co	800 Central Ave, Minneapolis 13	Minn
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Radiation Instrument Development Labs	5737 S. Halsted St, Chicago 36	Ill
Ram Electronics, Inc	600 Industrial Ave, Paramus	NJ
St. John X-Ray Laboratory	Califon	NJ
Strand Engineering Co	1354 N. Main St, Ann Arbor	Mich
Summers & Mills, Inc	911 W. Commerce, Dallas 8	Tex
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal

MONITORS –*VIDEO*
1. COLOR 2. MONOCHROME

Advanced Technology Labs., 2	369 Whisman Rd, Mountain View	Cal
Blonder-Tongue Laboratories, Inc., 2	Dept EBG, 9 Alling St, Newark 2	NJ
Cetec Corp., 2	1400 Industrial Way, Redwood City	Cal
Conrac, Inc., 2	Glendora	Cal
Dage TV Div., Thompson-Ramo-Wooldridge, 1-2	W. Tenth St, Michigan City	Ind

DAVEN CO., 1-2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Diamond Electronics Div, Diamond Power Specialty Corp., 2	Box 415, Lancaster	Ohio
Foto-Video Electronics, Inc., 1-2	36 Commerce Rd, Cedar Grove	NJ
GPL Div., General Precision, Inc., 2	63 Bedford Rd, Pleasantville	NY
Grimson Color, Inc., 2	381 4th Ave, New York 16	NY
ITI Electronics Inc., 2	369 Lexington Ave, Clifton	NJ
KIN TEL DIV., COHU ELECTRONICS, 2, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Marconi's Wireless Telegraph Co., Ltd., 1-2	750 Third Ave, New York 17	NY
Miratel, Inc., 2	1080 Dionne St, St. Paul	Minn
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
Orbitran Co., Inc., 2	11487 Woodside Ave, Lakeside	Cal
Packard-Bell Electronics Corp., Technical Products Div., 1-2	12333 W. Olympic Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div., 2	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 2	Eindhoven, Netherlands	
Ram Electronics, Inc., 2	600 Industrial Ave, Paramus	NJ
Rank Cintel Ltd., 1-2	Worsley Bridge Rd, London S.E. 26, England	
Sarkes Tarzian, Broadcast Equipment Div., 2	E. Hillside Dr, Bloomington	Ind
Setchell Carlson, Inc., 2	330 5th Ave, St. Paul 12	Minn
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
Tektronix Inc., 1-2	P.O. Box 831, Portland 7	Ore
TELEVISION UTILITIES CORP., DIV OF NORD, 2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Tel-Instrument Electronics Corp., 1	728 Garden St, Carlstadt	NJ
Unitized Electronics, Inc., 2	4791 Memphis Ave, Cleveland	Ohio
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wickes Engineering & Construction Co., 1	12th St & Ferry Ave, Camden 4	NJ

MONITORS-VSWR See DETECTORS —*STANDING-WAVE*
MOTOR CONTROLS See CONTROLS
MOTOR FIELD COILS See COILS

MOTOR-GENERATOR SETS

American Electronics, Inc., Precision Power Div	9705 Klingerman St, El Monte	Cal
Bill Jack Scientific Instrument Co	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
Consolidated Diesel Electric Corp	880 Canal St, Stamford	Conn
Continental Electric Co., Inc	334 Ferry St, Newark 5	NJ
Eicor Div of The Scranton Corp	4059 W. North Ave, Chicago 39	Ill
Georator Corp	315 Tuder Ln, Manassas	Va
Kurz & Root Co	Appleton	Wisc
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
Siemon Mfg. Co	P.O. Box 275, Wayne	Ill
Syntorque, Inc	P.O. Box 75A, Bearsville	NY
Vactric Control Equipment Ltd	Sloane St, London SW1, England	
Western Gear Corp., Electro Prods. Div	132 W. Colorado, Pasadena 1	Cal

MOTORS

1. FRACTIONAL-HP 2. FRACTIONAL-HP, CONSTANT-TORQUE 3. GEAR 4. PHONOGRAPH 5. REMOTE-CONTROL 6. SERVO 7. SPEED-REGULATION 8. STEPPING (ROTARY-SOLENOID TYPE) 9. SUBFRACTIONAL-HP 10. SUBFRACTIONAL-HP WITH GEAR DRIVE 11. SYNCHRONOUS 12. TIMER & CLOCK

AEG, 1-4-11-12	Hochhaus Sued, Frankfurt/Main, Germany	
Actuator Products, Div of Geartronics Corp., 10	34 Nashua St, Woburn	Mass
Adel Precision Prods Div., Gen Metals Corp., 1	10777 Vanowen St, Burbank	Cal
Airborne Accessories Corp., 1-9	1414 Chestnut Ave, Hillside	NJ
Airesearch Mfg. Co of Ariz., 1-3	402 S. 36 St, Phoenix	Ariz
AIR-MARINE MOTORS, INC., 1-2-3-9-10-11, Adv Pg 38	**369 Bayview Ave, Amityville**	**NY**
Alliance Mfg. Co., 1-2-3-4-5-9-10	Lake Blvd, Alliance	Ohio
Allis-Chalmers Mfg. Co., 3	935 S. 70th St, Milwaukee 1	Wisc
American Bosch Arma Corp., 1	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Electro-Mechanical Div., 1-2-3-9-10-11	4811 E. Telegraph Rd, Los Angeles 22	Cal
American Electronics, Inc., Instrument Div., 6	9503 W. Jefferson Blvd, Culver City	Cal
Amglo Corp., 9-10-11-12	4333 N. Ravenswood Ave, Chicago 13	Ill
Ashland Electric Products, Inc., 1-3-9-10-11	32-02 Queens Blvd, Long Island City 1	NY
Atchley Inc., Raymond, 6	2339 Cotner Ave, Los Angeles 64	Cal
Barber Colman Co., 1-3-4-5-6-9-10-11	1300 Rock St, Rockford	Ill
Bekey Electric Div., Genisco, Inc., 1-2-5-6-7-11	2245 Federal Ave, Los Angeles 64	Cal
Bendix Aviation Corp. Montrose Div. 1-3-5-6-9-10.	South Montrose	Pa
Bill Jack Scientific Instrument Co., 6	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
Birmingham Sound Reproducers Ltd., 4	Old Hill, Staffs, England	
Bodine Electric Co., 1-2-3-4-6-7-9-10-11-12	2500 W. Bradley Pl, Chicago 18	Ill
Boehm Co., R.A., 1-2-3-7-9-10	58 Brooklyn Ave, Merrick	NY
Bogue Electric Mfg. Co., 6-7	52 Iowa Ave, Paterson 3	NJ
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 9-10-11, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
BOWMAR INSTRUMENT CORP., 3-10, Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Brevel Products Corp., 9-10	601 W. 26 St, New York 1	NY
Bristol Motor Div., Vocaline Co of America, 9-10-11-12	Old Saybrook	Conn
Carter Motor Co., 1-3-7-9-10	2746 W. George St, Chicago 18	Ill
CELCO CONSTANTINE ENGINEERING LABS CO., 1-2-6-9, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Century Electric Co., 1-2-3-11	1806 Pine St, St. Louis 3	Mo
CLIFTON PRECISION PRODUCTS CO., INC., 6-9-10-11, Adv. Pgs. 126, 127	**Marple at Bwy, Clifton Hghts**	**Pa**
Columbia Electric Mfg. Co., 11	4519 Hamilton Ave N.E., Cleveland 14	Ohio
Continental Electric Co., Inc., 1-2	334 Ferry St, Newark 5	NJ
Control Data Corp., Cedar Engr. Div., 1-2-3-5-6-9-10-11	501 Park Ave, Minneapolis 15	Minn
Controls Co of America, 2-11-12	9555 Soreng, Schiller Park	Ill
Cramer Controls Corp., 3-11-12	P.O. Box 13, Centerbrook	Conn
CURTISS-WRIGHT, ELECTRONICS DIV., 8, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
DALE PRODUCTS, INC., 3-4-9-10-11, Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
Daystrom-Transicoil Corp., 6-11	Worcester, Montgomery County	Pa
Diehl Mfg. Co., 6	1129 Finderne Ave, Somerville	NJ
Dunker Co., Christian, 3-4-6-9-10-11	Bomndorf/Schwarzwald, West Germany	
Dynex, Inc., 10	123 Eileen Way, Syosset	NY
Eagle Signal Co., A Div of the Gamewell Co., 8	202 20th St, Moline	Ill
EASTERN AIR DEVICES, INC., 1-2-3-6-7-9-10-11, Adv Pg 441	**385 Central Ave, Dover**	**NH**
EASTERN INDUSTRIES, INC., 6, Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 6-9-11, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 6	81 Lakeside Ave, West Orange	NJ
Eicor Div of The Scranton Corp., 1-2-3-4-7-9-10-11	4059 W. North Ave, Chicago 39	Ill
The Electric Autolite Co., 1-9	Champlain St, Toledo 1	Ohio
Electric Indicator Co., Inc., 1-2-5-6-7-9-11	Camp Ave, Springdale	Conn
Electric Machinery Mfg. Co., 11	800 Central Ave, Minneapolis 13	Minn
Electric Motors & Specialties, Inc., 1-9	King & Hamsher Sts, Garrett	Ind
Electric Specialty Co., 1-2-6-11	207 South St, Stamford	Conn
Electric Tachometer Corp., 8	68 & Upland Sts, Philadelphia	Pa
Electronic Components Div., Telecomputing Corp., 11	14706 Arminta St, Van Nuys	Cal
ELECTRONIC SPECIALTY CO., 1-2, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Emerson Electric Mfg. Co., 1	8100 Florissant Ave, St. Louis 36	Mo
Engineered Magnetics Div., Gulton, 7	13041 Cerise Ave, Hawthorne	Cal
Evershed & Vignoles Ltd., 1-2-6-11	Chiswick, London W. 4, England	
Fae Instrument Corp., 3-5-6-7-8-10	42-61 Hunter St, Long Island City 1	NY
Fasco Industries, Inc., 1-4-9	255 N. Union, Rochester 2	NY
Ford Instrument Co., Div., Sperry Rand Corp., 6	31-10 Thomson Ave, Long Island City 1	NY
G-M LABORATORIES, INC., 6, Adv Pg 484	**4336 N. Knox Ave, Chicago 41**	**Ill**
Garrett Corp., The, 1-3-6-9-10-11	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co., 1	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-5-6-8-9-10-11, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Clock & Timer Dept., 11-12	Ashland	Mass
General Industries Co., 1-3-4-5	Taylor & Olive Sts, Elyria	Ohio
Genisco, Inc., 1-2-3-6-7-9-10-11	2233 Federal Ave, Los Angeles 64	Cal
Gerst & Co., Paul E., 1-2-3-5-6-7-8-9-10-11	4868 N. Clark, Chicago 40	Ill
Giannini Controls Corp., 6-8-11	1600 S. Mountain Ave, Duarte	Cal
Gleason-Avery Co., 3-4-9-10-11	Auburn	NY
Globe Industries, Inc., 1-2-3-4-6-9-10-12	1784 Stanley Ave, Dayton 4	Ohio
Greenleaf Mfg., Div of Mandrel Industries, Inc., 6	7814 Maplewood Ind Ct, St. Louis 17	Mo
Guidance Controls Corp., 3-10	110 Duffy Ave, Hicksville	NY
Hagen Mfg. Co., 10-11-12	104 Walnut St, Baraboo	Wisc
Hansen Mfg. Co., Inc., 11-12	P. O. Box 23, Princeton	Ind
Harowe Precision Inc., 6	Mount Rd, Lenni Mills	Pa
Haydon Co., A.W., The, 1-3-5-7-8-9-10-11-12	238 N. Elm St, Waterbury	Conn
HAYDON DIV., GENERAL TIME CORP., 1-11-12, Adv Pg 435	**500 E. Elm St, Torrington**	**Conn**
Heinz-Mueller Engineering Co., Inc., 1-2-3-7-9-10	4725 Iowa St, Chicago 51	Ill
Heinze Electric Corp., 1-2-3	685 Lawrence St, Lowell	Mass
Helipot Div., Beckman Instruments, Inc., 6	2500 Fullerton Rd, Fullerton	Cal
Heller Co., Gerald K., 3-5-7	2673 Western St S., Las Vegas	Nev
Hill & Co., E. Vernon, 9-10	P.O. Box 189, Lake Geneva	Wisc
Holtzer-Cabot Div., National Pneumatic Co., Inc., 1-3-5-6-9-10-11	125 Amory St, Boston 19	Mass
Hoover Electric Co., 6	2100 S. Stoner Ave, Los Angeles 25	Cal
Houston Fearless Corp., 12	11801 W. Olympic Blvd, Los Angeles 64	Cal
Howard Industries, 1-2-3-6-11	1760 State St, Racine	Wisc
Hurst Mfg. Corp., 11-12	Princeton	Ind
IMC MAGNETICS CORP., 1-2-3-6-8-9-11, Adv Pg 186	**570 Main St, Westbury**	**NY**
Ingraham Co., E., 9-10-11-12	Bristol	Conn
Inland Motor Corp., 1-2-6-7-11	18 Walter St, Pearl River	NY
International Register Co., 11-12	2620 Washington Blvd, Chicago 12	Ill
Jack & Heintz, Inc., 1	Cleveland 1	Ohio
James International, 1-4	853 6th Ave, New York City	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-5-6-7-8-9-10-11, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ketay Dept., Norden Div., United Aircraft Corp., 6	Jericho Trnpk, Commack	NY
Kinetic Instrument Corp., 1-2-3-6-10-11	1070 Linwood St, Brooklyn 8	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 6-11	80-08 45th Ave, Elmhurst 73	NY
Kollsman Motor Corp, 6-9-10-11	Mill St, Dublin	Pa
Kroker Engineering & Development Co., 1-3-7-9	9947 Franklin Ave, Franklin Park	Ill
L & R Mfg. Co., 1	577 Elm St, Kearny	NJ
Lamb Electric Co., 1-3-5-7-9-10-11	Lake St, Kent	Ohio
Land-Air, Inc., 8	7444 W. Wilson Ave, Chicago 31	Ill
Lear-Romec Div., Lear, Inc., 1-2-3-6-9-10	Abbe Rd, Elyria	Ohio
Ledex, Inc., 8	123 Webster St, Dayton 2	Ohio
Lesa Construzioni Elettromeccaniche, 1-4-9	Via Bergamo 21, Milan, Italy	
Librascope Div., General Precision, Inc., 6	808 Western Ave, Glendale 1	Cal
Lundy Mfg. Corp., 1-2-9	Robert Ln, Glen Head	NY
Mamco Corp., 9-10	534 Fourth St, Racine	Wisc
Marathon Electric Mfg. Corp., 1-2	Randolph & Cherry Sts, Wausau	Wisc
Marsland Engineering, Ltd., 8	154 Victoria St S., Kitchener, Ontario, Canada	
Master Appliance Mfg. Co., 1-3-9-10	4th & Ontario Sts, Racine	Wisc
Mechatrol Div., Servomechanisms, Inc., 3-6-9-11	1200 Prospect Ave, Westbury	NY
Merkle-Korff Gear Co., 7-10-11	213 N. Morgan St, Chicago 7	Ill
Midwest Electric Products, 5	1517 N. Front St, Mankato	Minn
Minn-Honeywell, Industrial Div., 6-11	Wayne & Windrim, Philadelphia 44	Pa
Molon Motor & Coil Corp., 1-2-3-4-5-9-10-11	3737 Industrial Ave, Rolling Meadows	Ill
Motordyne, Inc., 1-2-3-7-9-10-11	2661 S. Myrtle Ave, Monrovia	Cal
Motoresearch Co., 1-2-3-9-10	1405 16th St, Racine	Wisc
Muirhead & Co., Ltd., 6-11	Beckenham, Kent, England	
National Cine Equipment, Inc., 12	209 W. 48 St, New York	NY
Nemeth, Inc., 6-7-12	2223 S. Carmalina Ave, Los Angeles 64	Cal
Newton Co., 8	55 Elm St, Manchester	Conn
Oster Mfg. Co., John, Avionics Div., 1-2-3-6-9-10	1 N. Main St, Racine	Wisc
PSP ENGINEERING CO., DIV., IMC, 1-2-3-6-8-9-10, Adv Pg 383	**8608 Otis St, South Gate**	**Cal**
Pacsol Div of Illinois Tool Works, 8	3155 W. El Segundo Blvd, Hawthorne	Cal
Pegasus Laboratories, Inc., 6	3692 11 Mile Rd, Berkley	Mich
Pesco Products Div., Borg-Warner Corp., 1-9	24700 N. Miles Rd, Bedford	Ohio
Rae Motor Corp., 1-2-3-7-9-10	P.O. Box 269, Racine	Wisc
RED BANK DIV., BENDIX AVIATION CORP., 1, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Redmond Co., Inc., 1-9	201 Monroe St, Owosso	Mich
REEVES-HOFFMAN, DIV., 1, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
REFLECTONE ELECTRONICS, INC., 9-10, Adv Pg 240	**Post Rd & Myano Ln, Stamford**	**Conn**
Reynolds Electric Co., 1-3	3000 River Rd, River Grove	Ill
Robbins & Myers, Inc., 1	1347 Lagonda Ave, Springfield	Ohio
Rotating Components, Inc., 3-6-9-10-11-12	269 Green St, Brooklyn 22	NY
Sangamo Electric Co., 1-6-9-11-12	1201 N. 11 St, Springfield	Ill
Servomechanisms, Inc., 1-2-3-5-6-7-8-9-10-11-12	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc., 1-2-3-5-6-7-10-11	1086 Goffle Rd, Hawthorne	NJ
Siemon Mfg. Co., 1-2-3-5-6-9-10-11	P. O. Box 275, Wayne	Ill
Singer Mfg. Co., Military Products Div., 6	149 Broadway, New York 3	NY

Small Motors, Inc., 1-2-3-8-9-10-11	2076 Elston Ave, Chicago 14	Ill
Societe Industrielle de Sonceboz S.A., 4-11-12	Sonceboz, Switzerland	
Speedway Mfg. Co., 1-2-3-9-10	1421 Barnside Rd, LaGrange, Park	Ill
Sperry Gyroscope Div., Sperry Rand, 1-6	Great Neck	NY
Stancil-Hoffman Corp., 7-9-11	921 N. Highland Ave, Hollywood 38	Cal
Summers Gyroscope Co., 1-2-6	2500 Broadway, Santa Monica	Cal
Superior Electric Co., 6-11	83 Laurel St, Bristol	Conn
Syntorque, Inc., 1-2-5-6-9-11	P.O. Box 75A, Bearsville	NY
Task Corp., 1-3-9-11	1007 E. Vermont, Anaheim	Cal
Telecomputing Corp., 8-11	915 N. Citrus Ave, Hollywood	Cal
Times Facsimile Corp., 9-12	540 W. 58th St, New York 19	NY
Topp Industries, Inc., 8	5221 W. 102 St, Los Angeles 45	Cal
Toyo Trading Co., Ltd., 6-11	P.O. Box 999, Central Tokyo	Japan
U.S. Electrical Motors, Inc., 1-2-3	202 E. Slauson Ave, Los Angeles 54	Cal
U.S. Science Corp., 7	5221 W. 102nd St, Los Angeles 45	Cal
Universal Electric Co., 1-4-9	300 E. Main St, Owosso	Mich
Universal Match Corp., Armament Div., 1-6	St. Louis 35	Mo
Uppco, Inc., 1-2-4	741 W. Harrison St, Chicago 7	Ill
Vactric Control Equipment Ltd., 11	Sloane St, London SW1, England	
VARO MFG. CO., INC., 7, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vernitron Corp., 3-6-11	136 Church St, New York 5	NY
Wagner Electric Corp., 1-2-3	6400 Plymouth Ave, St. Louis 33	Mo
Waltham Precision Instrument Co., 3-10-12	221 Crescent St, Waltham	Mass
Western Design Div., U.S. Industries, Inc., 1-2-3-5-9-10-11-12	Goleta	Cal
Western Gear Corp., Electro Prods. Div., 1-3-6-8-9-10-11	132 W. Colorado, Pasadena 1	Cal
Westrex Corp., Div., Litton Industries, 11-12	540 W. 58 St, New York 19	NY
Wincharger Corp., 9	E. 7th & Division Sts, Sioux City	Iowa
Wright Machinery Co., Div of Sperry Rand Corp., 5-6-9-10-11	Durham	NC
Yokogawa Electric Works, Inc., 6-11	40 Worth St, New York 13	NY
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 1-2-3-7-9-10-11, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**
Zero-Max Co., 3-7	1902 Lyndale Ave, S., Minneapolis	Minn

MOTOR SPEED CONTROLS See CONTROLS —*MOTOR SPEED*
MOUNTING PADS —*COMPONENT* See PADS
MOUNTING STRIPS See BOARDS —*TERMINAL STRIP*

MOUNTS —*ANTENNA*

1. AUTO 2. TOWER 3. TV MAST

Andrew Corp., 2	P. O. Box 807, Chicago 42	Ill
Antlab, Inc., 2	6330 Proprietors Rd, Worthington	Ohio
Applied Electronics Co., 1	213 E. Grand Ave, South San Francisco	Cal
Belmar Wheel & Machine Co., 2	1707 F St, Belmar	NJ
Blaine Electronetics, Inc., 2	14757 Keswick St, Van Nuys	Cal
Channel Master Co., 2-3	Ellenville	NY
Clear Beam Antenna Co., 3	21341 Roscoe Blvd, Canoga Park	Cal
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2, Adv. Pgs. 193-196	**Teterboro**	**NJ**
G-C ELECTRONICS CO., 1-3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Hi-Lo Mfg. Corp., 2-3	1122 W. Newport Ave, Chicago 13	Ill
I.E. Manufacturing, 2-3	325 N. Hoyne Ave, Chicago 12	Ill
Kay-Towns Antenna Co., 1	1513 Dean Ave, Rome	Ga
Kenwood Engineering Co., Inc., 3	265 Colfax Ave, Kenilworth	NJ
Kuss Industries, Inc., 2-3	Tacony & Lewis Sts, Philadelphia 24	Pa
Pacific Automation Products, Inc., 2	1000 Air Way, Glendale	Cal
Parker Metal Goods Co., 2-3	85 Prescott St, Worcester	Mass
Premax Products Div., Chisholm-Ryder Co., Inc., 1	Highland & College, Niagara Falls 2	NY
ROHN MFG. CO., 2-3, Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rostan Corp., 2	5660-59th St, Maspeth 78	NY
South River Metal Products Co., Inc., 2-3	377 Turnpike, South River	NJ
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Telco Electronics Mfg. Co., 1-3	400 S. Wyman St, Rockford	Ill
Tower Construction Co., 2	2700 Hawkeye Dr, Sioux City	Iowa
Tricraft Products Corp., 2-3	1124 W. Newport Ave, Chicago 13	Ill
Tri-ex Tower Corp., 2-3	127 E. Inyo, Tulare	Cal
Washington Aluminum Co., Inc., 2	Pa RR & Knecht, Baltimore 29	Md
Webster Mfg., 1	317 Roebling Rd, S. San Francisco	Cal
Wind Turbine Co., 2-3	E. Market St & Penna R.R., W. Chester	Pa

MOUNTS —*BOLOMETER (BARRETTERS & THERMISTORS)*

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Ardwin Microlab Inc	21 Spencer St, Stoneham 80	Mass
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
ELECTRO IMPULSE LAB., INC., Adv Pg 335	**208 River St, Red Bank**	**NJ**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

MOUNTS —*CRYSTAL, MICROWAVE*

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Graham Mfg. Co., Inc	470 Bridge St, East Greenwich	RI
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Merrimac Research & Development, Inc	517 Lyons Ave, Irvington	NJ
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Millidale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Mosley Electronics, Inc	4610 N. Lindbergh, Bridgeton	Mo
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Trad Electronics Corp	1001 First Ave, Asbury Park	NJ
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa
Waveguide, Inc	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

MOUNTS —*KLYSTRON*

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Graham Mfg. Co., Inc	470 Bridge St, East Greenwich	RI
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
N.R.K. Mfg. & Engineering Co	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Ryan Electronics Div., Ryan Aeronautical Co	5650 Kearny Mesa Rd, San Diego 12	Cal
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

MOUNTS —*VIBRATION & SHOCK*

American Felt Co	10 Glenville Rd, Glenville	Conn
Barry Controls, Inc	711 Pleasant St, Watertown 72	Mass
Felters Co	210 South St, Boston 11	Mass
Finn & Co., Inc., T.R.	200 Central Ave, Hawthorne	NJ
General Tire & Rubber Co	Akron	Ohio
Johnson & Co., Inc., K.W.	1825 Webster St, Dayton 4	Ohio
Korfund Co., Inc	1060 Washington Ave, New York 50	NY
Lord Mfg. Co	1635 W. 12th St, Erie	Pa
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Minor Rubber Co., Inc.	49 Ackerman St, Bloomfield	NJ
Premax Products Div., Chisholm-Ryder Co., Inc.	Highland & College, Niagara Falls 2	NY
Robinson Technical Products Inc	Teterboro Air Terminal, Teterboro	NJ
U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY

MULTI-BAND ANTENNAS See ANTENNAS —*COMMUNICATION*
MULTI-CHANNEL ANALYZERS See ANALYZERS —*PULSE-HEIGHT*
MULTI-CHANNEL RECORDERS See RECORDERS —*GRAPHIC*
MULTICOUPLERS See COUPLERS
MULTIMETERS See VOLT-OHM-MILLIAMMETERS
MULTIPLEXERS —*SWITCHES* See COMMUTATORS —*SWITCHING*
MULTIPLEX RADIO CARRIER SYSTEMS See COMMUNICATION SYSTEMS
MULTIPLEX RECEIVERS See RECEIVERS —*RADIO COMMUNICATION*
MULTIPLEX SYSTEMS See COMMUNICATION SYSTEMS
MULTIPLEX TRANSMITTERS See TRANSMITTERS —*RADIO COMMUNICATION*
MULTIPLEX WIRELINE CARRIER SYSTEMS See COMMUNICATION SYSTEMS
MULTIPLIER PHOTOTUBES See TUBES —*PHOTOTUBES*

MULTIPLIERS —*COMPUTER*

1. ELECTRONIC 2. FUNCTION 3. QUARTER-SQUARE 4. SERVO 5. TIME-SHARED

Airtronics, Inc., 1	5522 Dorsey Ln, Washington 16	DC
Applied Dynamics, Inc., 1-2-3-4-5	P.O. Box 2068, Ann Arbor	Mich
BECKMAN/BERKELEY DIV., 1-2-4, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Belock Instrument Corp., 1-2-3-4-5	112-03 14 Ave, College Point	NY
Budd Lewyt Electronics, Inc., 1	43-22 Queens St, Long Island City 1	NY
Chadwick Helmuth Co., 1	472 E. Duarte Rd, Monrovia	Cal
Computer Control Co., Inc., 1	983 Concord St, Framingham	Mass
Computer Systems, Inc., 1-2-3-4	611 Broadway, New York 12	NY
Consolidated Avionics Corp., 1-5	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 1, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 1	19 Kearney Rd, Needham Heights 94	Mass

Data Equipment Co., 1-2-3-4-5	923 E. 3rd St, Los Angeles 13	Cal
Device Development Corp., 1	428 Boston Post Rd, Weston 93	Mass
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
Donner Scientific Co., 1-2-3-5	888 Galindo St, Concord	Cal
EPR Special Products Corp., 1-2-3-4-5	675 Barbey St, Brooklyn	NY
Electronic Associates, Inc., 1-2-3-4-5	Long Branch	NJ
Ensco, Inc., 1	3100 Eldredge St, Salt Lake City	Utah
Epsco-West, 1-2-5	240 E. Palais Rd, Anaheim	Cal
Fae Instrument Corp., 4	42-61 Hunter St, Long Island City 1	NY
Feedback Controls, Inc., 4	8 Erie Dr, Natick	Mass
GPS Instrument Co., Inc., 3	180 Needham St, Newton 64	Mass
GENERAL MAGNETICS, INC., 2-3, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
I B M Federal Systems Div., 1	326 E. Montgomery Ave, Rockville	Md
Industrial Control Co., 2-4	Central at Pinelawn, Farmingdale	NY
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Systems Corp., 1-2-4	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Link Div., Gen. Precision, Inc., 1-2-3-4-5	Nowlan Rd, Hillcrest, Binghamton	NY
Mallory & Co., Inc., P.R., 1	34 S. Gray St, Indianapolis 6	Ind
Marquardt Corp., Pomona Div., 1-2-4-5	2709 N. Garey Ave, Pomona	Cal
Melpar, Inc., 4	3000 Arlington Blvd, Falls Church	Va
MOSELEY CO., F.L., 1-4, Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Packard Bell Computer Corp., 1-2	1905 Armacost Ave, Los Angeles 25	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., 1-2-3-5, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Ransom Research, Inc., 1	374 W. 8th St, Box 269, San Pedro	Cal
Reeves Instrument Corp., 1-2-3-4	Roosevelt Field, Garden City	NY
Solartron, Inc., 1-4	1742 S. Zeyn St, Anaheim	Cal
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	England
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 4, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

MULTIPLIERS —*FREQUENCY* See **GENERATORS** —*SIGNAL, HARMONIC*

MULTIPLIERS —*METER*

Bill Jack Scientific Instrument Co	Dept. EBG, 143 S. Cedros, Solana Beach	Cal
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
DEL ELECTRONICS CORP., Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Precision Resistor Co	109 US Hwy 22, Hillside 5	NJ
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio

MULTIRANGE METERS See **VOLT-OHM-MILLIAMMETERS**
MULTITESTERS See **VOLT-OHM-MILLIAMMETERS**
MULTIVIBRATORS See **CIRCUITS** —*PACKAGED*
MUSICAL INSTRUMENT AMPLIFIERS See **AMPLIFIERS – A-F**
MUSICAL INSTRUMENTS —*ELECTRONIC* See **INSTRUMENTS** —*ELECTRONIC, MUSICAL*

MUSIC SYSTEMS —*INDUSTRIAL AND COMMERCIAL*

Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
Audiofax Associates, Inc	P.O. Box 861, Stony Brook	NY
Bogen-Presto Div., Siegler Corp	P.O. Box 500, Paramus	NJ
Browning Labs., Inc	100 Union Ave, Laconia	NH
Continental Manufacturing, Inc	1612 California St, Omaha	Neb
Executone, Inc	415 Lexington Ave, New York 17	NY
Karlson Associates, Inc	433 Hempstead Ave, W. Hempstead	NY
Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla

NAILS —*SPECIAL*

ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
Chase Brass & Copper Co., Inc	236 Grand St, Waterbury 20	Conn
Hassall, Inc., John	P.O. Box 2242, Westbury	NY
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

NAMEPLATES
1. PRESSURE-SENSITIVE 2. SHEET METAL 3. SHEET PLASTIC

Acromark Co., The, 2-3	323 Morrell St, Elizabeth 4	NJ
Actioncraft Products, 3	**2 Yennicock Ave, Port Washington**	**NY**
Airtronics International Corp., 2	P.O. Box 8576, Fort Lauderdale	Fla
Allegheny Plastics, Inc., 1-3	Rt. 51, Thorn Run Rd, Coraopolis	Pa
Allied Circuit Techniques, Ltd., 1-2-3	29 Brook St N., Oakville, Ontario, Canada	
Allied Engraving & Stamping Co., 2-3	701 Seneca St, Buffalo 10	NY
Apahouser Corp., 2-3	1312 Boylston St, Boston	Mass
Automation Industries, Inc., 2	3613 Aviation Blvd, Manhattan Beach	Cal
Avery Label Co., 1	1616 S. California Ave, Monrovia	Cal
Avionics Ltd., 2	Box 200, Niagara-on-the-Lake, Ontario	
Bodnar Industries, Inc., 3	238 Huguenot St, New Rochelle	NY
Bolling Industries, Inc., 1-2-3	330 E. Locust St, Scranton 2	Pa
Brady Co., W.H., 1	727 West Glendale Ave, Milwaukee 12	Wisc
C & H Supply Co., 1	415 East Beach Ave, Inglewood 3	Cal
Canadian Radium & Uranium Corp., 2-3	630 Fifth Ave, New York 20	NY
Carroll Pressed Metal, Inc., 2	133 Dewey St, Worcester	Mass
Chicago Thrift-Etching Corp., 1-2	1557 N. Sheffield Ave, Chicago	Ill
Cleveland Metal Specialties Co., 2-3	1783 East 21st St, Cleveland 14	Ohio
Comco Plastics, Inc., 3	98-34 Jamaica Ave, Richmond Hill	NY
Conn-Craft Co., 1-2-3	303 Fairlawn Ave, Waterbury	Conn
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., Adv Pg 485	**550 High St, Bradford**	**Pa**
Cortland Industries, Inc., 3	4545 Cortland St, Chicago 39	Ill
Croname, Inc., 1-2-3	6247 Howard St, Chicago 48	Ill
Dennison Mfg. Co., 1	300 Howard St, Framingham	Mass
Diamond-Union Stamp Works, 2-3	81 Washington St, Boston 8	Mass
Dietz Co., Inc., Henry G., 1-2	12-16 Astoria Blvd, Long Island City 2	NY
Dry Screen Process, Inc., 2	1016 Madison Ave, Pittsburgh 12	Pa
Dura Plastics of New York, Inc., 2-3	303 Fifth Ave, New York 16	NY
Duralith Corp., 1-3	1025 Race St, Phiadelphia 7	Pa
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
Electro-Chemical Engraving Co., 1-2	1100 Brook Ave, New York 56	NY
Electrol Specialties Co., 3	411 Clark St, South Beloit	Ill
Emeloid Co., Inc., 1-3	1239 Central Ave, Hillside 5	NJ
Emerson Plastics Corp., 3	1383 Seabury Ave, Bronx 61	NY
ERIE RESISTOR CORP., 3, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fabra-Print, Inc., 1-2-3	801 S.E. 8th St, Minneapolis 14	Minn
Feay Co., Neal, 1-2	133 La Patera Ave, Goleta	Cal
Fisher & Crome, 3	107 N. Camac St, Philadelphia 7	Pa
Forest City Products, Inc., 1-3	722 Bolivar Rd, Cleveland 15	Ohio
Franklin Fibre Lamitex Corp., 3	P.O. Box 1768, Wilmington	Del
General Components Co., 3	225-229 E. 144th, New York 51	NY
HALLMARK NAMEPLATE INC., 1, Adv Pg 543	**19A Gazza Blvd, Farmingdale**	**NY**
Henry & Miller Industries, Inc., 2	675 Garfield Ave, Jersey City 5	NJ
Hermes Plastics, Inc., 3	154 W. 14th St, New York 11	NY
Industrial Engravers, Inc., 2-3	2212 McDonald Ave, Brooklyn 23	NY
Jodee Plastics, Inc., 3	36 Crescent St, Brooklyn 8	NY
Keil Engineering Products, Inc., 1	6833 Manchester, St, Louis 10	Mo
Kerrco, 3	Box 4178, Havelock Sta, Lincoln 7	Neb
KRENGEL MFG. CO., INC. Adv Pg 491	**227 Fulton St, New York 7**	**NY**
Laminated Sheet Products Corp., 3	449 Neponset St, P.O.Box 390, Norwood	Mass
Lansky Die Cutting Corp., 1	473 President St, Brooklyn 15	NY
Leyse Aluminum Co., 1-2	Kewaunee	Wisc
Mahler Research Foundation, 1-2-3	P.O. Box 1159, New York 1	NY
Metalphoto Corp., 2	6811 Superior Ave, Cleveland 3	Ohio
Metalphoto of Cincinnati, 2	7 E. 75 St, Cincinnati	Ohio
Meyercord Co., 1	5323 W. Lake St, Chicago 44	Ill
Mica Insulator, Div Minnesota Mining & Mfg Co, 3	797 Broadway, Schenectady 1	NY
MICO INSTRUMENT CO., 3, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Monroe Industries, Inc., 2-3	932 36 St S.E., Grand Rapids 8	Mich
National Decalcomania Corp., 1	238 N. 60 St, Philadelphia	Pa
Nelson Electric Mfg. Co., 2-3	P.O. Box 5385, Tulsa 16	Okla
New England Etching Co., Inc., 1-2-3	25 Spring St, Holyoke	Mass
NEW HERMES ENGRAVING MACHINE CO., 3, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
North Shore Nameplate A Div of Anodyne, Inc., 1	214-27 Northern Blvd, Bayside 61	NY
Oki & Willadsen, Ltd., 1-2-3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
P I C Design Corp., Sub of Benrus Watch Co., Inc., 2	477 Atlantic Ave, East Rockaway	NY
Park Nameplate Co., Inc., 1-2	34-10 Linden Pl, Flushing 54	NY
Pee Cee Tape & Label Co., Inc., 1	521 N. La Brea Ave, Los Angeles	Cal
Photo Color Process Co., 1-2	400 W. Commercial St, East Rochester	NY
Precision Engraving Co., 1-2-3	13 Ridgedale Ave, Hanover	NJ
Precision Stampings, Inc., 2	142 Fulton Ave, New Hyde Park	NY
Printloid Inc., 3	10-04 44th Ave, Long Island City 1	NY
Rimak, Inc., 2	10929 Vanowen St, N. Hollywood	Cal
Romar Plastics Inc., 3	1311 E. Main St, St. Charles	Ill
Sierra Electric Corp., 3	15100 S. Figueroa St, Gardena	Cal
Sillcocks-Miller Co., 1-3	Maplewood	NJ
STAFFORD MFG. CO., INC., 1-2-3, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Supreme Process Corp., 1-2-3	44 Bond St, Westbury	NY
Swenson Co., Inc., V.H., 3	552 Elm St, Kearny	NJ
SYNTHANE CORP., 3, Adv Pg 35	**Oaks**	**Pa**
Technology Instrument Corp of Ariz., 1-2-3	1050 E. Valencia Rd, Tucson 2	Ariz
Topflight Corp., 1-2-3	160 E. Ninth Ave, York	Pa
Unisco, Inc., 1-2-3	1061 Linden Ave, Ridgefield	NJ
U.S. RADIUM CORP., 2-3, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Waldom Electronics, Inc., 2	4621 W. 53rd St, Chicago 32	Ill
Westline Products Div., Western Litho. Co., 1	600 E. 2nd St, Los Angeles 54	Cal
ZIPPERTUBING CO., 3, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

NARROW-BAND AMPLIFIERS See **AMPLIFIERS – A-F**
NARROW-BAND I-F AMPLIFIERS See **AMPLIFIERS – I-F**
NARROW-BAND R-F AMPLIFIERS See **AMPLIFIERS – R-F**
NATURAL MICA See **MICA**
NATURAL RUBBER See **RUBBER**
NAVIGATION COMPUTERS See **COMPUTERS** —*SPECIAL*
NAVIGATION RECEIVERS See **RECEIVERS** —*RADIO NAVIGATION*
NAVIGATION SYSTEMS See **GUIDANCE SYSTEMS: LORAN: RADAR: SHORAN**
NAVIGATION TRANSMITTERS See **TRANSMITTERS** —*RADIO NAVIGATION*
NEEDLE BEARINGS See **BEARINGS**

NEEDLES
1. CUTTING 2. PLAYBACK, DIAMOND 3. PLAYBACK, METAL 4. PLAYBACK, SAPPHIRE

Argonne Electronics Mfg. Corp., 4	165-11 South Rd, Jamaica 33	NY
Astatic Corp., The, 2-3-4	Conneaut	Ohio
Audio Devices, Inc., 1-4	444 Madison Ave, New York 22	NY
Birmingham Sound Reproducers Ltd., 4	Old Hill, Staffs, England	
Bogen-Presto Div., Siegler Corp., 1-3-4	P.O. Box 500, Paramus	NJ
CBS ELECTRONICS, DIV., CBS, INC., 2-3-4, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Capps & Co., Inc., 1-3-4	20 Addison Pl, Valley Stream	NY
Cleartone Reproductions Corp., 2-4	18-06 127 St, College Point 56	NY
Clevite-Walco, 1-2-3-4	60 Franklin St, East Orange	NJ
Duotone Co., Inc., 1-2-3-4	Locust St, Keyport	NJ
Electro Voice, Inc., 2-3-4	Buchanan	Mich
Fairchild Recording Equip., Co., 2	10-40 45th Ave, L I City 1	NY
Fen-Tone Corp., 2-4	106 Fifth Ave, New York 11	NY
Fidelitone, Inc., 1-2-3-4	6415 Ravenswood, Chicago 26	Ill
Jensen Industries, Inc., 1-2-3-4	7333 W. Harrison, Forest Park	Ill
KELLER, JR., HUGO, JEWELS, 4, Adv Pg 486	**50 E. 42 St, New York 17**	**NY**
Miller Mfg. Co., M.A., 1-2-3-4	Fourth & Church Sts, Libertyville	Ill
Pacific Transducer Corp., 2-4	11836 W. Pico Blvd, Los Angeles 64	Cal
Permo, Inc., 1-2-3-4	6415 Ravenswood, Chicago 26	Ill
Pfanstiehl Chemical Corp., 2-3-4	104 Lake View Ave, Waukegan	Ill
Radio Mfg. Engineers, Div., Electro Voice, Inc., 2-3-4	Buchanan	Mich
Recoton Corp., 1-2-3-4	52-35 Barnett Ave, Long Island City 4	NY
Sonotone Corp., 2-4	P.O. Box 200, Elmsford	NY
Swiss Jewel Co., 4	Lafayette Bldg, Philadelphia 6	Pa
Tetrad Co., Inc., 2	62 St. Mary St, Yonkers 2	NY

NEEDLE-SCRATCH FILTERS See **FILTERS**

NETWORKS
1. CROSSOVER 2. MATCHING 3. PHASING, DIRECTIONAL ANTENNA 4. PULSE-FORMING 5. TEMPERATURE COMPENSATING

AC Electronics, Inc., 4	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 1-4, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
Aerovox Corp., 4	740 Belleville Ave, New Bedford	Mass
ALLEN AVIONICS INC., 5, Adv Pg 426	**255 E. 2nd St, Mineola**	**NY**
AMP, INC., 4, Adv.Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**

AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Antennavision, Inc., 1-2	2949 W. Osborn Rd, Phoenix	Ariz
ARCO ELECTRONICS, INC., 5, Adv Pg 324	**64 White St, New York 13**	**NY**
Argonne Electronics Mfg. Corp., 1	165-11 South Rd, Jamaica 33	NY
Axel Resistor Corp., 2	134-20 Jamaica Ave, Richmond Hill	NY
Bayly Engineering, Ltd., 1-2	Hunt St, Ajax, Ontario, Canada	
Bellaire Electronics, Inc., 5	62 White St, Red Bank	NJ
Blackburn Electronic Corp., 4	55 W. 7th St, Wyoming	Pa
Burmac Electronics Co., Inc., 4	142 S. Long Beach, Rockville Center	NY
Canadian Marconi Co., 2-4	2444 Trenton Ave, Montreal, Canada	
CELCO CONSTANTINE ENGINEERING LABS., CO., 4, Adv. Pgs. 286,287	**P.O.Box 555, Mahwah**	**NJ**
COMMUNICATION ACCESSORIES CO., 4, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Condenser Products Div., New Haven Clock & Watch Co., 4	140 Hamilton St, New Haven	Conn
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 4, Adv Pg 321	**South Plainfield**	**NJ**
Corson Electric Mfg. Corp., 4	540 39th St, Union City	NJ
DALE PRODUCTS, INC., 5, Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
Data Products Co., Inc., 5	7320 Westmore Rd, Rockville	Md
DAVEN CO., 2-5, Adv. Pgs. 220, 221	**Rt. 10, Livingston**	**NJ**
Deeco Instruments, 2-4	14737 Arminta St, Van Nuys	Cal
Djordjevic Engrg Co., 1-2-3-4-5	1933 N. Damen, Chicago 47	Ill
ESC CORP., 4, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Electro Voice, Inc., 1-2	Buchanan	Mich
Electrodynamic Instrument Corp., 1-2	1841 Old Spanish Trail, Houston 25	Tex
Electronic Applications, Inc., 1	194 Richmond Hill Ave, Stamford	Conn
El-Rad Mfg. Co., 1	4300 N. California Ave, Chicago 18	Ill
Entron, Inc., 1-2	4902 Lawrence St, Bladensburg	Md
FXR, INC., 4-5, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Filtron Co., Inc., 4	131-15 Fowler Ave, Flushing	NY
G B COMPONENTS, INC., 2, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GATES RADIO CO., 1-2-3, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 4, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Resistance, Inc., 5	430 Southern Blvd, New York 55	NY
Gilfillan Bros., Inc., 4	1815 Venice Blvd, Los Angeles 6	Cal
Goodmans Industries Ltd., Axiom Works, 1	Wembley, Middlesex, England	
Grinnel-Harris Electronics, 4	4132 Temple City Blvd, Rosemead	Cal
Heath Co., A Sub of Daystrom, Inc., 1	Benton Harbor	Mich
Hi-Lo Mfg. Corp., 2-3	1122 W. Newport Ave, Chicago 13	Ill
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
Jensen Mfg. Co., Div of The Muter Co., 1	6601 S. Laramie Ave, Chicago 38	Ill
JERROLD ELECTRONICS CORP., 1, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JULIE RESEARCH LABS., 2, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelvin Electric Co., 2	5907 Noble Ave, Van Nuys	Cal
KEYSTONE CARBON CO., RESISTOR DIV., 5, Adv Pg 107	**St. Marys**	**Pa**
Lansing Sound, Inc., James B., 1	3249 Casitas Ave, Los Angeles 39	Cal
Marquardt Corp., Pomona Div., 4	2709 N. Garey Ave, Pomona	Cal
Marstan Electronics Corp., 5	204 Babylon Trnpk, Roosevelt	NY
MAURY & ASSOCIATES, 2, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Melpar, Inc., 3	3000 Arlington Blvd, Falls Church	Va
Microphase Corp., 1-2-3-4	Box 1166, Greenwich	Conn
Millen Mfg. Co., James, 4	150 Exchange St, Malden	Mass
Networks Electronic Corp., 2	14806 Oxnard St, Van Nuys	Cal
NORTH HILLS ELECTRIC CO., INC., 1-2, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Parkway Specialties Co., 1	22519 Plymouth Rd, Detroit 39	Mich
PARSONS CO., RALPH M., ELECTRONICS DIV., 4, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Peer, Incorporated, 2-3-4	2624 Shelby St, Dallas 19	Tex
Permoflux Products Co., 1	4101 San Fernando Rd, Glendale	Cal
Plastic Capacitors, Inc., 4	2620 N. Clybourn Ave, Chicago 14	Ill
Radio Mfg. Engineers, Div., Electro Voice, Inc. 1-2	Buchanan	Mich
Rantec Corp., 3	23999 Ventura Blvd, Calabasas	Cal
RIXON ELECTRONICS, INC., 2-3, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Seg Electronics Co., Inc., 2	1778 Flatbush Ave, Brooklyn 10	NY
Sherwood Electronic Labs., Inc., 1	4300 N. California Ave, Chicago 18	Ill
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C.-2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
TECHNICAL APPLIANCE CORP., 2-3, Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
Transformers, Inc., 4	200 Stage Rd, Vestal	NY
Transonic, Inc., 1-2	808 16th St, Bakersfield	Cal
Transval Electronics Corp., 4	2030 Maple Ave, El Segundo	Cal
Tricraft Products Corp., 2-3	1124 W. Newport Ave, Chicago 13	Ill
Utah Radio & Electronic Corp., 1	1124 E. Franklin St, Huntington	Ind
Valor Instruments, Inc., 2-4	13214 Crenshaw Blvd, Gardena	Cal
Vanguard Electronics Co., 4	3384 Motor Ave, Los Angeles 34	Cal
Van Norman Industries, Elect Div., 1-2-3	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Vidaire Electronics Mfg. Corp., 1	44 Church St, Baldwin	NY
Waber Electronics, Inc., 1	Hancock & Sommerset, Philadelphia 33	Pa
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY
Wickes Engineering & Construction Co., 1	12th St & Ferry Ave, Camden 4	NJ

NEUTRON COUNTERS See COUNTERS *–NUCLEAR-PARTICLE*

NICKEL & NICKEL ALLOYS

1. FOIL 2. MAGNETOSTRICTIVE 3. RIBBON 4. SHEETS, BARS & RODS 5. STRIP-TUBING See TUBING *–METALLIC*

Accurate Specialties Co., Inc., 1-3-5	37-11 57 St, Woodside 77	NY
Allegheny Ludlum Steel Corp., 2-4-5	2020 Oliver Bldg, Pittsburgh 22	Pa
Alloys Unlimited, Inc., 5	21-03 43rd Ave, Long Island City 1	NY
American Brazing Alloys Corp., 4	P.O. Box 11, Pelham	NY
American Silver Co., Inc., 1-5	36-07 Prince St, Flushing 54	NY
Anchor Metal Co., The, 1-3-5	966 Meeker Ave, Brooklyn 22	NY
Armco Steel Corp., 1-5	703 Curtis St, Middletown	Ohio
Bram Metallurgical Chemical Co., 1-2-3-4-5	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 4	30 Grand St, Bridgeport	Conn
Cannon-Muskegon Corp., 4	2875 Lincoln St, Muskegon	Mich
Carpenter Steel Co., 4-5	6th & Washington, Reading	Pa
Composite Industrial Metals, Inc., 1	235 Georgia Ave, Providence 5	RI
CONSOLIDATED REACTIVE METALS, INC., 3-5, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
CRUCIBLE STEEL CO OF AMERICA, 4-5, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Dalweld Co., Inc., 4	11 Bertel Ave, Mt. Vernon	NY
Delta Chemical Works, 1-4	21 W. 60th St, New York	NY
DRIVER CO., WILBUR B., 1-3-4-5, Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co., 1-2-3-4-5	202 Middlesex St, Harrison 13	NJ
Electronic Parts Mfg. Co., Inc., 4-5	508-10 25th St, Union City	NJ
GIBSON ELECTRIC CO., 4-5, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Hamilton Watch Co., Prec. Metals Div., 1-2-3-4-5	Lancaster	Pa
Haynes Stellite Co., Div., UCC, 4-5	1020 W. Park Ave, Kokomo	Ind
International Nickel Co., Inc., 4-5	67 Wall St, New York 5	NY
KEARFOTT DIV., GEN PRECISION, INC., 2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LEACH & GARNER CO., INDUSTRIAL DIV., 1, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 1-2-3-4-5	198 Broadway, New York 38	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1-2-3-4-5, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Riverside-Alloy Metal Div., H.K. Porter., Inc., 3-4-5	1 Pavilion Ave, Riverside	NJ
Semi-Alloys, Inc., 1-3-4-5	550 S. Fulton Ave, Mt. Vernon	NY
Seymour Mfg. Co., The, 4	15 Franklin St, Seymour	Conn
Somers Brass Co., 1-3-5	94 Baldwin Ave, Waterbury	Conn
Standard Metals Corp., 1	Broad & Whiting St, North Attleboro	Mass
Sylvania Electric Products Inc., Parts Div., 3-5	12 Second Ave, Warren	Pa
Techalloy Co., Inc., 1-2-3-4	Rahns	Pa
United Mineral & Chemical Corp., 4	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1-3-5	116 Broad St, New York 4	NY
Wallingford Steel Co., 1-5	Valley St, Wallingford	Conn

NICKEL-CADMIUM BATTERIES See BATTERIES
NICKEL-CLAD COPPER WIRE See WIRE *–BARE*
NITROGEN See GASES
NOISE-ACTUATED CONTROLS & RELAYS See CONTROLS *–SOUND-ACTUATED*
NOISE ANALYZERS See ANALYZERS *–NOISE*
NOISE-FIGURE INDICATORS See INDICATORS *–NOISE-FIGURE*
NOISE GENERATORS See GENERATORS *–NOISE*
NOISE-PROTECTIVE HELMETS See HELMETS
NOISE SOURCES See GENERATORS *–NOISE*
NOISE-SOURCE TUBES See TUBES *–NOISE-SOURCE*
NONMAGNETIC IRON OXIDE See IRON OXIDE
NONMETALLIC BUSHINGS See BUSHINGS
NOTCH FILTERS See FILTERS
NUCLEAR-ABSORPTION DENSITY CONTROLS See CONTROLS *–DENSITY*
NUCLEAR BATTERIES See BATTERIES
NUCLEAR-PARTICLE COUNTERS See COUNTERS *–NUCLEAR-PARTICLE*
NUCLEAR RADIATION SHIELDING See SHIELDING
NUCLEAR-REACTOR SIMULATORS See SIMULATORS
NULL AMPLIFIERS See AMPLIFIERS *–INSTRUMENTATION*
NULL DETECTORS, METERS & INDICATORS See INDICATORS *–NULL*
NUMBERING MACHINES See MACHINES *– MARKING & NUMBERING*
NUMERICAL CONTROL *–MACHINE TOOL* See CONTROLS *–MACHINE TOOL*
NUMERICAL INDICATORS See INDICATORS *–DIGITAL*

NUTS

1. COMMON 2. INSULATED 3. SELF-LOCKING

Abbott Products, Inc., 1-2	14-10 123rd St, College Point 56	NY
ALLMETAL SCREW PRODUCTS CO., INC., 1-3, Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Chain & Cable Co., Inc., 1	601 Stephenson Bldg, Detroit 2	Mich
American Screw Co., 1-2-3	Willimantic	Conn
Anti-Corrosive Metal Products Co., Inc., 1	Castleton-on-Hudson	NY
Atlas Screw & Specialty Co., Inc., 1-3	450 Broome St, New York 13	NY
Autoscrew Co., Inc., 1	216-222 W. 18th St, New York 11	NY
BIRNBACH RADIO CO., INC., 1-2, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boots Aircraft Nut Corp., 3	Newtown Trnpk, Norwalk	Conn
Carr Fastener Co., Div., United-Carr, 3	31 Ames St, Cambridge 42	Mass
Central Screw Co., 1-3	3501 S. Shields Ave, Chicago 9	Ill
Chicago Screw Co., 1	2703 Washington Blvd, Bellwood	Ill
CIRCON COMPONENT CORP., 1, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Con-Torq Inc., Sub of North & Judd Mfg. Co., 3	500 E. Main St, New Britain	Conn
DIMCO-GRAY CO., 2, Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Eaton Mfg. Co., Reliance Div., 3	25 Charles Ave S.E., Massillon	Ohio
ELASTIC STOP NUT CORP OF AMERICA, 3, Adv Pg 298	**2330 Vauxhall Rd, Union**	**NJ**
Elco Tool & Screw Co., 1	1111 Samuelson Rd, Rockford	Ill
Everard Tap & Die Corp., 1	213 E. 144th St, New York 51	NY
Fastex Div., Illinois Tool Works, 2-3	195 Algonquin Rd, Des Plaines	Ill
FEDERAL SCREW PRODUCTS, INC., 1-2-3, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Fischer Special Mfg. Co., 1	493 Morgan St, Cincinnati 6	Ohio
Franklin Fibre Lamitex Corp., 2	P.O. Box 1768, Wilmington	Del
Garrett Co., Inc., George K., 3	Torresdale Ave at Tolbut St, Phila 36	Pa
Gries Reproducer Corp., 2	151 Beechwood St, New Rochelle	NY
Industrial Plastics Fabricators, Inc., 1	Endicott St, Norwood	Mass
Jacobson Nut Mfg. Corp., 1-2-3	Mark Rd, Kenilworth 2	NJ
Jan Hardware Mfg. Co., Inc., 2-3	38-01 Queens Blvd, Long Island City 1	NY
Keystone Bolt & Nut Corp., 1-3	127 Church St, New York 7	NY
Klincher Locknut Corp., 3	2153 Hillside Ave, Indianapolis 18	Ind
Lehigh Metal Products Co., 1-3	134 Alewife Brook Pkwy, Cambridge	Mass
Mercury Air Parts Co., 1-2-3	9310 W. Jefferson Blvd, P.O. Box 135, Culver City	Cal
Monadnock Mills Div., United Carr, 3	1977 1st Ave, San Leandro	Cal
Morris Co., J.I., 1-3	376 Elm St, Southbridge	Mass
NATIONAL RADIO CO., 3, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Nylok Corp., The, 3	611 Industrial Ave, Paramus	NJ
Oki & Willadsen, Ltd., 2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PIC Design Corp., Sub of Benrus Watch Co., Inc., 1	477 Atlantic Ave, East Rockaway	NY
Palnut Co., The, Div of United-Carr Fastener Corp., 1-3	77A Glen Rd, Mountainside	NJ
Parker Metal Goods Co., 1	85 Prescott St, Worcester	Mass
Penn Engineering & Mfg. Corp., 3	Box 811, Doylestown	Pa
Permali, Inc., 2	P.O. Box 718E, Mt. Pleasant	Pa
Pheoll Mfg. Co., Inc., 1-2-3	5700 Roosevelt Rd, Chicago 50	Ill

Prestole Corp., The, 3	1345 Miami St, Toledo	Ohio
Republic Steel Corp., 1-3	Republic Bldg, Cleveland 1	Ohio
Rosan, Inc., 3	2901 W. Coast Hwy, Newport Beach	Cal
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
Russell, Burdsall & Ward Bolt & Nut Co., 1-2-3	Port Chester	NY
Shakeproof Div., Ill Tool Works, 3	St. Charles Rd, Elgin	Ill
Smith, Inc., Herman H., 1	2326 Nostrand Ave, Brooklyn 10	NY
Standard Locknut & Lockwasher, Inc., 1	2250 Valley Ave, Indianapolis 18	Ind
STANDARD PRESSED STEEL CO., 1-3, Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
Standard Screw Co.	2801 Washington Blvd, Bellwood	Ill
Star Stainless Screw Co., 1-3	655 Union Blvd, Totowa	NJ
Sterling Bolt Co., 1-3	363-405 W. Erie St, Chicago 10	Ill
Thor Ceramics, Inc., 1	225 Belleville Ave, Bloomfield	NJ
Tinnerman Products, Inc., 3	Box 6688, Dept No 16, Cleveland 1	Ohio
Townsend Co., 3	P.O. Box 71, Ellwood City	Pa
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
United Screw & Bolt Corp., 1	3590 W. 58 St, Cleveland 2	Ohio
Waldom Electronics, Inc., 1	4621 W. 53rd St, Chicago 32	Ill
Weckesser Co	5701 Northwest Hwy, Chicago 46	Ill

NYLON See **PLASTICS**
OCEAN-DEPTH INDICATORS See **DEPTH SOUNDERS**

OHMMETERS
1. DIGITAL 2. MEGOHMMETERS 3. MICRO-OHMMETERS 4. MILLIOHMMETERS 5. STANDARD RANGES

AEG, 2-3	Hochhaus Sued, Frankfurt/Main, Germany	
Airmec Ltd., 5	High Wycombe, Buckinghamshire, England	
ALCO ELECTRONIC PRODUCTS, INC., 5, Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
ALLEGANY INSTRUMENT CO., INC., 5, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Allen Electric & Equipment Co., 5	2101 N. Pitcher St, Kalamazoo	Mich
Alpha Instrument Co., 5	43 Hempstead St, New London	Conn
Argonne Electronics Mfg. Corp., 4-5	165-11 South Rd, Jamaica 33	NY
Arizona Instrument Corp., 2	3839 N. 39th Ave, Phoenix	Ariz
ASSOCIATED RESEARCH, INC., 2, Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
Avtron Mfg. Inc., 3	10409 Meech St, Cleveland	Ohio
B & K Instruments, Inc., 2	3018 W. 106th St, Cleveland 11	Ohio
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Belleville-Hexem Corp., 2-5	638 University Ave, Los Gatos	Cal
Biddle Co., James G., 2	1316 Arch St, Philadelphia 7	Pa
Bruel & Kjaer, 2	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 4-5	460 W. 34 St, New York 1	NY
Bytrex Corp., 3-4	50 Hunt St, Newton	Mass
Calibration Standards Corp., 5	1130 W. Fifth Ave, Pomona	Cal
COMMUNICATION MEASUREMENTS LAB., INC., 2, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Consolidated Airborne Systems, 2	900 3rd Ave, New Hyde Park	NY
Cubic Corp., 1-2	5575 Kearny Villa Rd, San Diego 11	Cal
CURTISS-WRIGHT CORP., PRINCETON DIV., 2-3-4-5, Adv Pg 75	**Princeton**	**NJ**
Data Equipment Co., 1-2-3-4-5	923 E. 3rd St, Los Angeles 13	Cal
Davenport Mfg. Co., 2	2530-32 N. Elston Ave, Chicago	Ill
Dice Co., J.W., 3	Englewood	NJ
E-H RESEARCH LABORATORIES, INC., 2, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Electro Instruments, Inc., 1-2-3-4-5	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 1	515 Boccaccio, Venice	Cal
Electronic Applications, Inc., 3-4-5	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 4, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
EPSCO, INC., EQUIPMENT DIV., 1, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Erdco Engineering Corp., 4	Addison	Ill
Evershed & Vignoles Ltd., 2-3-4	Chiswick, London W. 4, England	
Federal Pacific Electric Co., (Fifty Ave L, Inc.), 2-5	Fifty Ave L, Newark 1	NJ
FREED TRANSFORMER CO., INC., 2, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL HERMETIC SEALING CORP., 2, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
GENERAL METERS, INC., 5, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
Greibach Instruments Corp., 2	315 North Ave, New Rochelle	NY
Halex, Inc., 2	310 E. Imperial Hwy, El Segundo	Cal
Heath Co., A Sub of Daystrom, Inc., 5	Benton Harbor	Mich
HEWLETT-PACKARD CO., 2-5, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 2-3-4-5	10514 Dupont, Cleveland 8	Ohio
Industrial Instruments, Inc., 2-4	89 Commerce Rd, Cedar Grove	NJ
Keithley Instruments, Inc., 2-3-4	12415 Euclid Ave, Cleveland 6	Ohio
Knight Electronics, 5	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd., 2-5	No 120, Nakane-cho, Meguro-ku, Tokyo	Japan
Leeds & Northrup Co., 2	4970 Stenton Ave, Philadelphia 44	Pa
Liquidometer Corp., 2	41-03 36th St, Long Island City 1	NY
Lyman Electronic Corp., 5	P.O.Box 1649, Springfield	Mass
MacLeod & Hanopol, Inc., 2	10 Roland St, Charlestown 29	Mass
Meters, Inc., 2	5353 N. Keystone Ave, Indianapolis 20	Ind
MID-EASTERN ELECTRONICS, INC., 2, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Millivac Insturments Div., Cohu Electronics Inc., 5	2315 Second Ave, Schenectady	NY
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB., 1-5, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
National Electronics, 2-4	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co., 2-4	238 Main St, Cambridge 42	Mass
NON-LINEAR SYSTEMS, INC., 1, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
Philips' Gloeilampenfabrieken, N.V., 2	Eindhoven, Netherlands	
PHYSICS RESEARCH LABS., INC., 2, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
PRECISION APPARATUS CO., INC., 5, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Precision Electronics, Inc., 4	9101 King St, Franklin Park	Ill
RADIO CORP OF AMERICA, ELECTRON TUBE DIV, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radiometer, 2	72 Emdrupvej, Copenhagne NV 1, Denmark	
Research Industrial Labs of Electronics, 5	Roslyn	Pa
RIBET DESJARDINS, 2, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
Rohde & Schwarz, USA, Inc., 2	P.O. Box 275, Passaic	NJ
Servo-Tek Products Co., Inc., 5	1086 Goffle Rd, Hawthorne	NJ
SHALLCROSS MFG. CO., 2-3-4-5, Adv Pg 148	**Selma**	**NC**
Shurite Meters, 5	130 Wallace St, New Haven 8	Conn
Simpson Electric Co., Div., American Gage & Machine Co., 2-4-5	5218 W. Kinzie St, Chicago 44	Ill
Slaughter Co., 2	Piqua 9	Ohio
Southwestern Ind. Electronics Co., 2-5	10201 Westheimer Rd, Houston 19	Tex
Stark Electronic Instruments, Ltd., 5	P.O. Box 670, Ajax, Ontario, Canada	
STICHT CO., INC., HERMAN H., 2-3-4-5, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Systron Corp., 1	950 Galindo St, Concord	Cal
TECHNOLOGY INSTRUMENT CORP., 4-5, Adv Pg 223	**533 Main St, Acton**	**Mass**
Triplett Elec Instrument Co., 2-5	Harmon Rd, Bluffton	Ohio
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
Van Norman Industries, Elect Div., 2	186 Granite St, Manchester	NH
Welch Scientific Co., W.M., 2-3-4	1515 Sedgwick St, Chicago 10	Ill
Yokogawa Electric Works, Inc., 2	40 Worth St, New York 13	NY
Zinn Instruments, 1	P.O. Box 733, Lomita	Cal

OILS *-DAMPING, DIFFUSION PUMP & TRANSDUCER* See **FLUIDS**
OILS *-DIELECTRIC* See **DIELECTRICS** *-LIQUID*
OIL-SEALING RINGS See **RINGS** *-OIL-SEALING*
OIL SEALS See **SEALS** *-MECHANICAL*
OILS *-LUBRICATING* See **LUBRICANTS**
OILS *-SILICONE* See **SILICONES**
OMNIDIRECTIONAL RADIO-RANGE ANTENNAS See **ANTENNAS-VHF,** *OMNIDIRECTIONAL*
OMNIRANGE TRANSMITTERS See **TRANSMITTERS** *-RADIO NAVIGATION*
OPERATIONAL AMPLIFIERS See **AMPLIFIERS** *-COMPUTER*
OPTICAL CRYSTALS See **CRYSTALS** *-OPTICAL*

OPTICAL EQUIPMENT AND SPECIALTIES

AMERICAN OPTICAL CO., INSTRUMENT DIV., Adv Pg 401	**Buffalo 15**	**NY**
Bache & Co., Semon	636 Greenwich St, New York 14	NY
BURKE & JAMES, INC., Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Davidson Optronics, Inc.	2223 Ramona Blvd, West Covina	Cal
Farrall Instrument Co	Box 658, Grand Island	Neb
Gaertner Scientific Corp	1239 Wrightwood, Chicago 14	Ill
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Houston Fearless Corp.	11801 W. Olympic Blvd, Los Angeles 64	Cal
Jones & Lamson Machine Co., 3-7	539-D Clinton St, Springfield	Vt
Kollmorgen Optical Corp	347 King St, Northampton	Mass
Leetronics, Inc	30 Main St, Brooklyn	NY
Mason Instrument Co	P.O. Box 1681, New York 1	NY
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Northrop Corp	1001 E. Broadway, Hawthorne	Cal
Optical Coating Laboratory, Inc	2789 Giffen Ave, Santa Rosa	Cal
Remanco, Inc	1805 Colorado, Santa Monica	Cal
S-B Polarimeters	Spencer Hill Rd, R.D. 2, Corning	NY
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Texas Instruments Incorporated Apparatus Div	6000 Lemmon Ave, Dallas 9	Tex
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

OPTICAL LENSES See **LENSES** *-OPTICAL*
ORGANS *-ELECTRONIC* See **INSTRUMENTS** *-ELECTRONIC, MUSICAL*

OSCILLATORS – A-F
1. DIGITAL INPUT 2. FIXED-FREQUENCY 3. FORK-CONTROLLED 4. TELEMETERING, AUDIO TONE 5. TRANSISTORIZED 6. ULTRA-LOW-FREQUENCY-FOR TEST EQUIPMENT See **GENERATORS** *-SIGNAL*

Aetna Electronics Corp., 6	Readington Rd, North Branch	NJ
Airmec Ltd., 6	High Wycombe, Buckinghamshire, England	
Alto Scientific Co., Inc., 4-5	855 Commercial St, Palo Alto	Cal
AMERAC, INC., 2, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Bosch Arma Corp., 4-5	320 Fulton Ave, Hempstead	NY
American Development Electronics Co., 2	212 Central Ave, Newark	NJ
American-Monarch Corp., 4	2801 37 Ave N.E., Minneapolis	Minn
American Research & Mfg. Corp., 5	920 Halpine Ave, Rockville	Md
AMERICAN TIME PRODUCTS, INC., 3-5, Adv Pg 284	**61-20 Woodside Ave, Woodside 77**	**NY**
Antlab, Inc., 2-3	6330 Proprietors Rd, Worthington	Ohio
Applied Magnetics Corp., 5	Box 368, Goleta	Cal
Arkay Engineering, Inc., 1-2-5-6	1630 Euclid St, Santa Monica	Cal
Automation Industries, Inc., 1-4-5	3613 Aviation Blvd, Manhattan Beach	Cal
Bell & Gossett Co., 3-4	8202 N. Austin Ave, Morton Grove	Ill
Bendix-Pacific Div., Bendix Aviation, 2-4	11600 Sherman Way, North Hollywood	Cal
Biddle Co., James G., 2	1316 Arch St, Philadelphia 7	Pa
Boonshaft & Fuchs, Inc., 6	Huntingdon Valley	Pa
Budd Lewyt Electronics, Inc., 6	43-22 Queens St, Long Island City 1	NY
Burr-Brown Research Corp., 5	P.O. Box 6444, Tucson	Ariz
Cadre Industries Corp., 5	P. O. Box 150, Endicott	NY
Carol Electronics Corp., 2	315 W. Stephen St, Martinsburg	W. Va
Coldstream Engineering Co., 2	P.O. Box 1893, Tulsa	Okla
Comptron Corp., 2-5	778 Pleasant St, Belmont 79	Mass
Computing Devices of Canada, Ltd., 4	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 1	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 5, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Control Equipment Corp., 2-5	19 Kearney Rd, Needham Heights 94	Mass
Data Equipment Co., 1-2-3-4-5-6	923 E. 3rd St, Los Angeles 13	Cal
Dawe Instruments Ltd., 2-5-6	99 Uxbridge Rd, London W5, England	
Delta-F, Inc., 2-3-4-5-6	113 E. State St, Geneva	Ill
Designers for Industry, 1-2-5	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 5	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 6	888 Galindo St, Concord	Cal
Dynamic Electronics, Capehart Corp., 2-3-5-6	87-46 123 St, Richmond Hill 18	NY
Electro-Mechanical Research, Inc., 4	P.O. Box 3041, Sarasota	Fla
Electronic Organ Arts, Inc., 2	4949 York Blvd, Los Angeles 42	Cal
Electronic Research Associates, Inc., 5	67 Factory Pl, Cedar Grove	NJ
Elin Div., IERC, 2-3	135 W. Magnolia Blvd, Burbank	Cal
Engineered Electronics Co., 1-5	1441 E. Chestnut Ave, Santa Ana	Cal
Engineered Magnetics Div., Gulton, 2-5	13041 Cerise Ave, Hawthorne	Cal
Ensco, Inc., 5	3100 Eldredge St, Salt Lake City	Utah
Ferrotran Electronic Co., Inc., 5	693 Broadway, New York 12	NY
Foto-Video Electronics, Inc., 5-6	36 Commerce Rd, Cedar Grove	NJ
GENERAL DEVICES, INC., 1-2-3-4-5-6,		

Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL RADIO CO., 2-3-5-6, Adv Pg 285	**West Concord**	**Mass**
Gibbs Mfg. & Research Corp., 5	454 N. Main St, Janesville	Wisc
Greenray Industries, Electronic's Div., 2-4-5-6	Mechanicsburg	Pa
Gyrex Corp., 2-3-5	3003 Pennsylvania Ave, Santa Monica	Cal
Hathaway Instruments, Inc., 2-3-5	5800 E. Jewell Ave, Denver 22	Colo
HEWLETT-PACKARD CO., 6, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
HILL ELECTRONICS, INC., 2-5-6, Adv Pg 461	**300 N. Chestnut St, Mechanicsburg**	**Pa**
Hoover Electronics Co., 4-5	110 W. Timonium Rd, Timonium	Md
I-L-S Instrument Div., Meriam Instrument Co., 3	4525 W. 160th St, Cleveland 35	Ohio
Industrial Control Co., 6	Central at Pinelawn, Farmingdale	NY
INDUSTRIAL TEST EQUIPMENT CO., 2-3, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Laboratories, 2-5	315 W. Walton Pl, Chicago 10	Ill
Instrument Systems Corp., 5	129-07 18th Ave, College Point 56	NY
INTERELECTRONICS CORP., 2-3-4-5-6, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 2-3-5	2221 Warwick Ave, Santa Monica	Cal
Invar Electronics Corp., 1-4-5	323 W. Washington, Pasadena	Cal
Kauke & Co., Inc., 4-5	1632 Euclid St, Santa Monica	Cal
KAY ELECTRIC CO., 2-5, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KNIGHTS CO., JAMES, 2-5, Adv Pg 17	**Sandwich**	**Ill**
KROHN-HITE CORP., 6, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
M.F. ELECTRONICS, 2-4-5, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
MARCONI INSTRUMENTS, 6, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Micro Gee Products, Inc., 2-5	6319 W. Slauson, Box 1005, Culver City	Cal
Millen Mfg. Co., James, 2-5	150 Exchange St, Malden	Mass
Miratel Inc., 2-5	1080 Dionne St, St. Paul	Minn
Monitor Products Co., 5	815 Fremont Ave, South Pasadena	Cal
Muirhead & Co., Ltd., 3-6	Beckenham, Kent, England	
NUCLEAR ELECTRONICS CORP., 2-3-5, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
OPAD ELECTRIC CO., 2-3-5, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Otis Elevator Co., 2-3	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 1	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 2, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Penn Keystone Corp., 5	P.O. Box 350, Hawkins St, Derby	Conn
Philamon Laboratories, Inc., 3-5	90 Hopper St, Westbury	NY
Pitometer Log Corp., 5	237 Lafayette St, New York 12	NY
Radiaphone Co., Inc., 4	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 4-5	Melbourne	Fla
RADIO FREQUENCY LABS., INC., 4, Adv Pg 116	**Boonton 2**	**NJ**
Ram Electronics, Inc., 4	600 Industrial Ave, Paramus	NJ
REEVES-HOFFMAN, DIV., 2-5-6, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Riverbank Laboratories Dept of Engineering, 3	P.O. Box 65, Geneva	Ill
S-E Laboratories Ltd., 2-5	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Scientific-Atlanta, Inc., 3	2162 Piedmont Rd N.E., Atlanta 9	Ga
Scopes Co., Inc., 5	P.O. Box 56, Monsey	NY
Servo Consultants Ltd., 6	80 Shore Rd, Port Washington	NY
Servomex Controls Ltd., 6	Crowborough, Sussex, England	
Solartron, Inc., 6	1742 S. Zeyn St, Anaheim	Cal
Southwestern Ind. Electronics Co., 5	10201 Westheimer Rd, Houston 19	Tex
Sparton Corp., 2-5	2400 E. Ganson St, Jackson	Mich
Spectra Electronics Co., 5	250 E. 3rd St, Mt. Vernon	NY
Spectrum Instruments, Inc., 6	Box 61, Steinway Sta, Long Island City 3	NY
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
Sullivan Ltd., H.W., 3	80 Shore Rd, Port Washington	NY
Summit Electronics, Inc., 3	7 Industrial Pl, Summit	NJ
TELECHROME MFG. CORP., 1-2-3-4-5, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
Tel-Instrument Electronics Corp., 2-3	728 Garden St, Carlstadt	NJ
Times Facsimile Corp., 3	540 W. 58th St, New York 19	NY
TORWICO ELECTRONICS, INC., 5, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transonic, Inc., 1-5	808 16th St, Bakersfield	Cal
Tresco, Inc.	3824 Terrace St, Philadelphia 28	Pa
Tripl-T Co Electronics, 5	1260 Encino Dr, San Marino	Cal
United Electrodynamics, Inc., 2-4-5	200 Allendale Rd, Pasadena	Cal
VALPEY CRYSTAL CORP., 2-4-5-6, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Venner Electronics, Ltd., 1-2-5	Kingston By-Pass, New Malden	Eng
Walkirt Co., 1-2-3-5	141 W. Hazel St, Inglewood 3	Cal
Wang Laboratories, Inc., 5	12 Huron Dr, Natick	Mass
Warren Mfg. Co., Inc., 2-4	Newtown Rd, Littleton	Mass
Waveforms, Inc., 2-4-5-6	333 6th Ave, New York 14	NY
WEINSCHEL ENGINEERING CO., INC., 3, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Westrex Corp., Div., Litton Industries, 3	540 W. 58 St, New York 19	NY
Wiancko Engineering Co., 2	255 N. Halstead, Pasadena	Cal
Wickes Engineering & Construction Co., 2	12th St & Ferry Ave, Camden 4	NJ

OSCILLATORS – *MICROWAVE*

1. BACKWARD-WAVE 2. KLYSTRON 3. MAGNETRON (COMPLETE ASSEMBLY) 4. TRIODE

ACF Electronics Div., 3-4	Riverdale	Md
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 4, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Aircom, Inc., 4	48 Cummington St, Boston	Mass
Alfred Electronics, 1	897 Commercial St, Palo Alto	Cal
AMERAC, INC., 1-2-3-4, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
AMERICAN OPTICAL CO., INSTRUMENT DIV., 3-4, Adv Pg 401	**Buffalo 15**	**NY**
BOMAC LABORATORIES, INC., 1-2-3, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
C.G.S. Labs., Inc., 4	Rt 7, Wilton	Conn
C W S Waveguide Corp., 2	301 W. Hoffman Ave, Lindenhurst	NY
Canadian Marconi Co., 3	2444 Trenton Ave, Montreal, Canada	
CONTROL ELECTRONICS CO., INC., 1-2-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Electronic Applications, Inc., 2-4	194 Richmond Hill Ave, Stamford	Conn
FXR, INC., 1-2-3-4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc., 2-4	P.O. Box 504, Asbury Park	NJ
GENERAL COMMUNICATION CO., 2, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 1-2-3-4, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
Gombos Co., Inc., John, 4	Webro Rd, Clifton	NJ
HALLICRAFTERS CO., 1, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 1, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 2-3	35 Old County Rd, Westbury	NY
Hughes Microwave Tube Div., 1	Intl. Airport Station, Los Angeles 45	Cal
ITT Federal Div., ITT, 2	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 3-4, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
KAY ELECTRIC CO., 3, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Laboratory for Electronics, Inc., 2	1079 Commonwealth, Boston 15	Mass
Microwave Associates, Inc., 3	Burlington	Mass
MICROWAVE COMPONENTS, INC., 2, Adv Pg 517	**Doylestown**	**Pa**
Microwave Electronic Tube Co., Inc., 1-2-3-4	76 Lafayette St, Salem	Mass
Microwave Electronics Corp., 1	4061 Transport St, Palo Alto	Cal
Philips' Gloeilampenfabrieken, N.V., 2	Eindhoven, Netherlands	
Pitometer Log Corp., 4	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., 1-2, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Scientific-Atlanta, Inc., 1	2162 Piedmont Rd N.E., Atlanta 9	Ga
SIERRA ELECTRONIC CORP., 2, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Specialty Electronics Development Corp., 2	Eileen Way, Syosset	NY
Sperry Electronic Tube Div., Sperry Rand Corp., 2	P.O. Box 652, Gainesville	Fla
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	Eng
Telonic Engineering Corp., 4	733 Broadway, Laguna Beach	Cal
VARIAN ASSOCIATES, 1-2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Watkins-Johnson Co., 1	3333 Hillview Ave, Palo Alto	Cal
Wayne Kerr Corp., 2	1633 Race St, Philadelphia 3	Pa
WEINSCHEL ENGINEERING CO., INC., 2-4, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

OSCILLATORS – R-F

1. CRYSTAL, WITH OVEN 2. CRYSTAL, WITHOUT OVEN 3. FIXED-FREQUENCY, WITHOUT CRYSTAL 4. PULSED 5. DIGITAL INPUT 6. STABLE LOCAL (STALO) 7. SUBCARRIER (Incl. TELEMETERING) 8. TRANSISTORIZED-FOR TEST EQUIPMENT See GENERATORS –*SIGNAL*

ADVANCED ELECTRONICS CORP., 7, Adv Pg 246	**2 Commercial St, Hicksville**	**NY**
Airmec Ltd., 1-2	High Wycombe, Buckinghamshire, England	
AMERAC, INC., 3-4, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Bosch Arma Corp., 7-8	320 Fulton Ave, Hempstead	NY
American Development Electronics Co., 2-3	212 Central Ave, Newark	NJ
American Missile Products Co., Inc., 7-8	15233 Grevillea Ave, Lawndale	Cal
Antennavision, Inc., 2-3-7-8	2949 W. Osborn Rd, Phoenix	Ariz
ARENBERG ULTRASONIC LAB., INC., 4, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
Automation Industries, Inc., 5-7	3613 Aviation Blvd, Manhattan Beach	Cal
Bellaire Electronics, Inc., 2-3	62 White St, Red Bank	NJ
Bendix-Pacific Div., Bendix Aviation, 7	11600 Sherman Way, North Hollywood	Cal
Biddle Co., James G., 3	1316 Arch St, Philadelphia 7	Pa
BLILEY ELECTRIC CO., 1-2, Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
Burmac Electronics Co., Inc., 4	142 S. Long Beach, Rockville Center	NY
Cadre Industries Corp., 8	P.O. Box 150, Endicott	NY
Cavitron Electron Oscillator Div., Short Wave Plas. Form. Co., 3	355 N. Newport Blvd, Newport Beach	Cal
CLARK CRYSTAL CO., 1-2, Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
CLEGG LABS., DIV., CLEGG, INC., 4, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Comptron Corp., 2	778 Pleasant St, Belmont 79	Mass
CONTROL ELECTRONICS CO., INC., 1-2-3-4-8, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cox & Co., Inc., 1	115 E. 23rd St, New York 10	NY
CROSBY TELECTRONIC LAB., INC., 7, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Data Equipment Co., 5-8	923 E. 3rd St, Los Angeles 13	Cal
Delta-F, Inc., 1-2-3-8	113 E. State St, Geneva	Ill
Designers for Industry, 1-2	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 8	1933 N. Damen, Chicago 47	Ill
Dorsett Electronics Labs., Inc., 7-8	119 W. Boyd St, Norman	Okla
Dynamic Electronics, Capehart Corp., 8	87-46 123 St, Richmond Hill 18	NY
Electro-Mechanical Research, Inc., 7	P.O. Box 3041, Sarasota	Fla
ELECTRO-PULSE, INC., 4, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
Electromation Co., 4	1646 18th St, Santa Monica	Cal
Electronic Applications, Inc., 7	194 Richmond Hill Ave, Stamford	Conn
Electronic Research Associates, Inc., 8	67 Factory Pl, Cedar Grove	NJ
Engineered Electronics Co., 1-2-5-8	1441 E. Chestnut Ave, Santa Ana	Cal
FXR, INC., 2-4, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Ferrotran Electronic Co., Inc., 8	693 Broadway, New York 12	NY
Foto-Video Electronics, Inc., 3-4-8	36 Commerce Rd, Cedar Grove	NJ
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL RADIO CO., 1-2-4, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 7	3401 Shiloh Rd, Garland	Tex
Goldak Co., Inc., 8	Dept. E, 1544 W. Glenoaks, Glendale 1	Cal
Greenray Industries, Electronic's Div., 1-2-3-8	Mechanicsburg	Pa
Hallamore Electronics Co., 7	714 N. Brookhurst Ave, Anaheim	Cal
HERMES ELECTRONICS CO., 1-6-8, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
HEWLETT-PACKARD CO., 7, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
HILL ELECTRONICS, INC., 1-2-8, Adv Pg 461	**300 N. Chestnut St, Mechanicsburg**	**Pa**
Hoover Electronics Co., 7	110 W. Timonium Rd, Timonium	Md
Hughes Industrial Systems, Div., 2	Intl Airport Sta, Los Angeles 45	Cal
ITT Federal Div., ITT, 1-2-3-8	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp., 6-8	129-07 18th Ave, College Point 56	NY
International Crystal Mfg. Co., Inc., 2	18 N. Lee, Oklahoma City	Okla
Intl Tel & Tel Corp., Industrial Products Div., 1-2	15191 Bledsoe St, San Fernando	Cal
Kauke & Co., Inc., 7-8	1632 Euclid St, Santa Monica	Cal
KAY ELECTRIC CO., 4-8, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Keystone Electronics Co., 1-2-8	65 7th Ave, Newark	NJ
KNIGHTS CO., JAMES, 1-2-8, Adv Pg 17	**Sandwich**	**Ill**
LAVOIE LABORATORIES, INC., 1, Adv Pg 262	**Morganville**	**NJ**
Lear, Inc., 7-8	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 8	380 Oak St, Copiague	NY
MANSON LABORATORIES, INC., 1-8, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
MARCONI INSTRUMENTS, 2, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marconi's Wireless Telegraph Co., Ltd., 1-2	750 Third Ave, New York 17	NY
Mini-Rad, Inc., 3-4-8	7416-E Varna Ave, N. Hollywood	Cal

Miratel Inc., 1-2-8	1080 Dionne St, St. Paul	Minn
Monitor Products Co., 1-2-8	815 Fremont Ave, South Pasadena	Cal
Morrow Radio Mfg. Co., 8	2794 Market St, Salem	Ore
New London Instrument Co., 7	P.O. Box 189, New London	Conn
Otis Elevator Co., 4	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 5	1905 Armacost Ave, Los Angeles 25	Cal
Palmer Instruments, 1-2	1017 Mission St, South Pasadena	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-8, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pitometer Log Corp., 1-2-3-4-6-8	237 Lafayette St, New York 12	NY
Probescope Co., 7	8 Sagamore Hill Dr, Port Washington	NY
Radiaphone Co., Inc., 7	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 7	Melbourne	Fla
Radio City Products Co., Inc., 2	Centre & Glendale Sts, Easton	Pa
Radionics, Inc., 4	76 Cambridge St, Burlington	Mass
REEVES-HOFFMAN, DIV., 1-2-3-4-8, Adv Pg 419	**145 Cherry St, Carlisle**	**Pa**
Resdel Engineering Corp., 2	330 S. Fair Oaks Ave, Pasadena	Cal
SHEROLD CRYSTALS, INC., 1-2, Adv Pg 544	**1510 McGee St, Kansas City**	**Mo**
Snelgrove Co., Ltd., C.R., 1-2-8	141 Bond Ave, Don Mills, Ontario, Canada	
Sparton Corp., 1-8	2400 E. Ganson St, Jackson	Mich
Spectra Electronics Co., 4-7-8	250 E. 3rd St, Mt. Vernon	NY
Standard Electronics Div., Reeves Instrument Corp., 1-2-3	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-3	63 Aldwych, London W. C. 2	Eng
Stratocon Corp., 1	P.O. Box 10, Morristown	NJ
TECHNICAL MATERIEL CORP., 1-2-3-6, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
TELECHROME MFG. CORP., 7-8, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Tel-Instrument Electronics Corp., 1-2-3	728 Garden St, Carlstadt	NJ
Telonic Engineering Corp., 1-2-3-4	733 Broadway, Laguna Beach	Cal
TELONIC INDUSTRIES, INC., 2, Adv. Pgs. 190, 191	**60 N. 1st Ave, Beech Grove**	**Ind**
21st Century Electronics, Inc., 8	P.O. Box 2326, Riverside	Cal
United Electrodynamics, Inc., 7-8	200 Allendale Rd, Pasadena	Cal
VALPEY CRYSTAL CORP., 1-2-3-4-8, Adv Pg 464	**1244 Highland St, Hollston**	**Mass**
VARIAN ASSOCIATES, 4-6, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARI-L CO., INC., 7-8, Adv Pg 330	**P.O. Box 1433, Stamford**	**Conn**
Venner Electronics, Ltd., 1-2-8	Kingston By-Pass, New Malden	Eng
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Walkirt Co., 1-2-3-4-5-8	141 W. Hazel St, Inglewood 3	Cal
Waltham Electronics Corp., 1-2-6-7	751 Main St, Waltham 54	Mass
Waveforms, Inc., 7	333 6th Ave, New York 14	NY
Wayne Kerr Corp., 1	1633 Race St, Philadelphia 3	Pa

OSCILLATORS —*SWEEPING* See GENERATORS —*SIGNAL, R-F SWEEP*
OSCILLATORS — ULF See OSCILLATORS — A-F
OSCILLATORS —*ULTRASONIC* See ULTRASONIC EQUIPMENT

OSCILLOGRAPHS —*RECORDING*
1. CATHODE-RAY WITH CAMERA 2. CATHODE-RAY WITH CAMERA, MULTICHANNEL 3. DIRECT-WRITING 4. DIRECT-WRITING, MULTIELEMENT See Also RECORDERS

AEG, 1-2	Hochhaus Sued, Frankfurt/Main, Germany	
ACTON LABS, INC., 4, Adv Pg 222	**533 Main St, Acton**	**Mass**
ALLEGANY INSTRUMENT CO., INC., 2, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
AMERICAN OPTICAL CO., INSTRUMENT DIV., 3, Adv Pg 401	**Buffalo 15**	**NY**
Analab Instrument Corp., 1-2	30 Canfield Rd, Cedar Grove	NJ
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., 3-4, Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
Central Research Labs., Inc., 2	Red Wing	Minn
Centronix, Inc., 3-4	4000 N.W. 28th St, Miami 42	Fla
Century Electronics & Instruments, 3-4	1333 N. Utica, Tulsa 10	Okla
Chicago Aerial Industries, 1	1980 N. Hawthorne, Melrose Park	Ill
Consolidated Electrodynamics Corp., 1-2-3-4	360 N. Sierra Madre Villa, Pasadena	Cal
COSMIC INSTRUMENTS, INC., 3, Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
CURTISS-WRIGHT CORP., PRINCETON DIV., 3, Adv Pg 75	**Princeton**	**NJ**
Data Equipment Co., 1-3	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry, 3	4241 Fulton Pkwy, Cleveland 9	Ohio
Du Mont Labs., Inc., Allen B., 1	750 Bloomfield Ave, Clifton	NJ
Electro-Medical Lab., Inc., 3-4	South Woodstock 8	Vt
Electronic Tube Corp., 1-2	1200 E. Mermaid Ln, Philadelphia 18	Pa
Foto-Video Electronics, Inc., 1-2	36 Commerce Rd, Cedar Grove	NJ
General Measurements Co., Inc., 4	1108 Beacon St, Newton Highlands 61	Mass
Geotechnical Corp., 1-2-3-4	3401 Shiloh Rd, Garland	Tex
Gerber Scientific Instrument Co., 3	89 Spruce St, Hartford 1	Conn
Gordon Enterprises, 1-2	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hathaway Instruments, Inc., 1-2	5800 E. Jewell Ave, Denver 22	Colo
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 3-4, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Hogan Faximile Corp., 3-4	155 Perry St, New York 14	NY
Hughes Microwave Components Div., 3	Florence & Teale, Culver City	Cal
Litton Industries, Electron Tube Div., 3	960 Industrial Rd, San Carlos	Cal
LUMATRON ELECTRONICS, INC., 1, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
MASSA DIV., COHU ELECTRONICS, INC., 3-4, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Midwestern Instruments, Inc., 3-4	P.O. Box 7186, Tulsa 18	Okla
Minn-Honeywell, Industrial Div., 3-4	Wayne & Windrim, Philadelphia 44	Pa
New England Scientific Instruments Co., 3-4	238 Main St, Cambridge 42	Mass
Offner Electronics Inc., 3-4	3900 River Rd, Schiller Park	Ill
Optomechanisms, Inc., 1-2	216 E. Second St, Mineola	NY
Photron Instrument Co., 3-4	6516 Detroit Ave, Cleveland 2	Ohio
Rank Cintel Ltd., 1-2	Worsley Bridge Rd, London S.E. 26, England	
Republic Electronic Industries Corp., 1-2-3-4	111 Gazza Blvd, Farmingdale	NY
S-E Laboratories Ltd., 4	606 N. Felthan Trading Estate, Felthan Middlesex, England	
SANBORN CO., 3-4, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
Southern Instruments, Ltd., 1-2-3	Frimley Rd, Camberley, Surrey, England	
Strand Engineering Co., 1	1354 N. Main St, Ann Arbor	Mich
TECHNOLOGY INSTRUMENT CORP., 3, Adv Pg 223	**533 Main St, Acton**	**Mass**
Telco, Inc., 3	47 Rue De La Div Leclerc, Gentilly	Fr

OSCILLOSCOPE CAMERAS See CAMERAS —*PHOTOGRAPHIC*
OSCILLOSCOPE DOLLIES See DOLLIES
OSCILLOSCOPE PREAMPLIFIERS See AMPLIFIERS — R-F

OSCILLOSCOPE PROBES See PROBES

OSCILLOSCOPES —*CATHODE-RAY*
1. A-C ONLY, GENERAL-PURPOSE 2. D-C ONLY 3. D-C TO ABOVE 1 MC 4. LARGE-SCREEN 5. MULTIPLE-CHANNEL 6. PORTABLE, DIRECT-VIEWING 7. PROJECTION

Airmec Ltd., 5	High Wycombe, Buckinghamshire, England	
Allen Electric & Equipment Co., 1-2	2101 N. Pitcher St, Kalamazoo	Mich
Analab Instrument Corp., 1-2-5-6	30 Canfield Rd, Cedar Grove	NJ
Avien Corp., 5	58-15 Northern Blvd, Woodside 77	NY
Data Equipment Co., 1-2-3-4-5-6-7	923 E. 3rd St, Los Angeles 13	Cal
Du Mont Labs., Inc., Allen B., 1-3-4-5-6	750 Bloomfield Ave, Clifton	NJ
Dynamic Electronics, Capehart Corp., 1-6	87-46 123 St, Richmond Hill 18	NY
EPR Special Products Corp., 4	675 Barbey St, Brooklyn	NY
EDGERTON, GERMESHAUSEN & GRIER, INC., 3, Adv Pg 425	**160 Brookline Ave, Boston**	**Mass**
Electronic Industries, Sub., Gen. Electr. Dev., 3	State Rd, Patterson	NY
ELECTRONIC INSTRUMENT CO., INC., 2-3, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 1	625 Broadway, New York 12	NY
Electronic Tube Corp., 2-3-5-6	1200 E. Mermaid Ln, Philadelphia 18	Pa
Essential Electronics Corp., 4-5	1011 Power Ave, Cleveland 14	Ohio
General Measurements Co., Inc., 2-5-6	1108 Beacon St, Newton Highlands 61	Mass
Heath Co., A Sub of Daystrom, Inc., 1-2-3	Benton Harbor	Mich
HEWLETT-PACKARD CO., 3-5, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 3-5-6	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 3	35 Old County Rd, Westbury	NY
Houston Fearless Corp., 7	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hughes Industrial Systems, Div., 2-3-5	Intl Airport Sta, Los Angeles 45	Cal
I-L-S Instrument Div., Meriam Instrument Co., 1	4525 W. 160th St, Cleveland 35	Ohio
ITI Electronics Inc., 2	369 Lexington Ave, Clifton	NJ
Interlab, Inc., 3-6	437-5th Ave, New York 16	NY
Intl Tel & Tel Corp., Industrial Products Div., 4-5	15191 Bledsoe St, San Fernando	Cal
Jackson Electrical Instrument Co., 1	124 McDonough St, Dayton 2	Ohio
Kingston Electronics, Div., King. Ind., Inc., 1	Medfield	Mass
Knight Electronics, 1-3	210 S. Des Plaines St, Chicago 6	Ill
LAVOIE LABORATORIES, INC., 3, Adv Pg 262	**Morganville**	**NJ**
Levinthal Electronic Products, Inc., 5	3180 Hanover St, Palo Alto	Cal
LUMATRON ELECTRONICS, INC., 3-6, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
Millen Mfg. Co., James, 1-2	150 Exchange St, Malden	Mass
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB., 1-2-6, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
Mullard Equipment, Ltd., 1-3	Torrington Pl, London W.C. 1, England	
PHILBRICK RESEARCHES, INC., GEORGE A., 4-5, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 1-6	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 1-2-3-6	Eindhoven, Netherlands	
Pioneer Industries Div., Almar-York Co., Inc., 6	3455 W. Vickery, Fort Worth 7	Tex
PRECISION APPARATUS CO., INC., 1-3, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Probescope Co., 5	8 Sagamore Hill Dr, Port Washington	NY
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-6, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radiometer, 3	72 Emdrupvej, Copenhagen NV 1, Denmark	
Railway Communications, Inc., 5	9351 E. 59 St, Raytown	Mo
Rank Cintel Ltd., 1-4	Worsley Bridge Rd, London S.E. 26, England	
Republic Electronic Industries Corp., 6	111 Gazza Blvd, Farmingdale	NY
RIBET DESJARDINS, 1-3-5-6, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
SANBORN CO., 5, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
Scopes Co., Inc., 1-3-6	P.O. Box 56, Monsey	NY
SIERRA ELECTRONIC CORP., 5, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Simpson Electric Co., Div., American Gage & Machine Co., 1-3-6	5218 W. Kinzie St, Chicago 44	Ill
Solartron, Inc., 1-3-5	1742 S. Zeyn St, Anaheim	Cal
Southern Instruments, Ltd., 2-5-6	Frimley Rd, Camberley, Surrey, England	
Southwestern Ind. Electronics Co., 2	10201 Westheimer Rd, Houston 19	Tex
Specialty Electronics Development Corp., 1	Eileen Way, Syosset	NY
Stark Electronic Instruments, Ltd., 2-3	P.O. Box 670, Ajax, Ontario, Canada	
Tektronix Inc., 3-5-6	P.O. Box 831, Portland 7	Ore
Telco, Inc., 2-4-5	47 Rue De La Div Leclerc, Gentilly	Fr
TELECTRO INDUSTRIES CORP., 3-5-6, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telequip Radio Co., 1-5	2559 W. 21st St, Chicago 8	Ill
Trad Electronics Corp., 3	1001 First Ave, Asbury Park	NJ
Triplett Elec Instrument Co., 1-6	Harmon Rd, Bluffton	Ohio
WATERMAN PRODUCTS CO., INC., 1-2-3-5-6, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
WATERS MANUFACTURING, INC., 1, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**

OSCILLOSCOPE SCREEN SCALES See SCALES
OUTDOOR ANTENNAS See ANTENNAS —*RADIO RECEIVING*
OUTDOOR TV ANTENNAS See ANTENNAS —*TV, OUTDOOR*
OUTPUT METERS See METERS —*OUTPUT*
OUTPUT TRANSFORMERS See TRANSFORMERS —*IRON-CORE*

OVENS —*CRYSTAL*

Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
BLILEY ELECTRIC CO., Adv. Pgs. 360, 361	**200 Union Station Bldg, Erie**	**Pa**
CLARK CRYSTAL CO., Adv Pg 546	**Farm Rd, Marlboro**	**Mass**
Cox & Co., Inc	115 E. 23rd St, New York 10	NY
Croven, Ltd	500 Beech St, Whitby, Ontario, Canada	
Delta-F, Inc	113 E. State St, Geneva	Ill
Engineered Electronics Co	1441 E. Chestnut Ave, Santa Ana	Cal
Gardner Laboratories	5521 Landy Ln, Bethesda	Md
HUNT CORP., THE, Adv Pg 485	**453 Lincoln St, Carlisle**	**Pa**
Keystone Electronics Co	65 7th Ave, Newark	NJ
LAVOIE LABORATORIES, INC, Adv Pg 262	**Morganville**	**NJ**
McCOY ELECTRONICS CO., Adv Pg 282	**Mt. Holly Springs**	**Pa**
MANSON LABORATORIES, INC., Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Monitor Products Co	815 Fremont Ave, South Pasadena	Cal
NORTHERN ENGINEERING LABS., INC., Adv Pg 554	**372 Wilmot Ave, Burlington**	**Wisc**
Palmer Instruments	1017 Mission St, South Pasadena	Cal
Premier Research Laboratories, Inc	83 Seventh Ave, New York 11	NY
Redifon, Ltd	Broomhill Rd, Wandsworth, London SW 18	Eng

SHEROLD CRYSTALS, INC., Adv Pg 544	**1510 McGee St, Kansas City**	**Mo**
Snelgrove Co., Ltd., C.R.	141 Bond Ave, Don Mills, Ontario, Canada	
Steiner-Ives Co	Springfield Rd, Union	NJ
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
VALPEY CRYSTAL CORP., Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Wright Electronics, Inc.	2537 Grand, Kansas City 8	Mo

OVENS, DRYERS & DEHYDRATORS

1. ELECTRIC 2. ELECTRONIC HEATING 3. GAS-FIRED 4. INFRARED 5. VACUUM BAKE-OUT

Airtronics, Inc., 1	5522 Dorsey Ln, Washington 16	DC
American Instrument Co., Inc., 1	8030 Georgia Ave, Silver Spring	Md
Applied Dynamics Corp., 1	330 Bear Hill Rd, Waltham	Mass
ASSOCIATED TESTING LABS., INC., 1, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
BTU Engineering Corp., 1-3	179 Bear Hill Rd, Waltham 54	Mass
Blue M Electric Co., 1	138 & Chatham, Blue Island	Ill
Budd Lewyt Electronics, Inc., 1-2	43-22 Queens St, Long Island City 1	NY
Cavitron Electron Oscillator Div., Short Wave Plas. Form. Co., 2	355 N. Newport Blvd, Newport Beach	Cal
Circo Ultrasonic Corp., 3	51 Terminal Ave, Clark	NJ
Controlled Atmosphere Enclosures Mfg. Co., 5	1061 E. 8th St, Jacksonville 6	Fla
Copymation, Inc., 1	5650 N. Western, Chicago 18	Ill
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Despatch Oven Co., 1-3	Minneapolis	Minn
DeVilbiss Co., 1-3	300 Phillips Ave, Toledo 1	Ohio
Edwards High Vacuum(Canada)Ltd., 5	Box 515, Burlington, Ontario, Canada	
Electric Hotpack Co., Inc., 1-4-5	5016 Cottman St, Philadelphia 35	Pa
Erdco Engineering Corp., 2	Addison	Ill
FORMICA METAL PRODUCTS CO., 1, Adv Pg 531	**Corporation Way, Medford**	**Mass**
Fostoria Corp., 4	1200 N. Main St, Fostoria	Ohio
Gardner Laboratories, 1-2-3-5	5521 Landy Ln, Bethesda	Md
Girdler Process Equip. Div., Chemetron Corp., 2	334 E. Broadway, Louisville 1	Ky
Grieve-Hendry Co., Inc., 1-3	1350 N. Elston Ave, Chicago 22	Ill
GRUENBERG ELECTRIC CO., INC., 1-3-5, Adv Pg 556	**9 Commercial Ave, Garden City**	**NY**
Hayes, Inc., C.I., 1	875 Wellington Ave, Cranston 10	RI
Hicks Corp., 1-2-4-5	1671 Hyde Park Ave, Hyde Park	Mass
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 5	2 Churchill Rd, Hingham 1	Mass
Hudson Bay Co., Div., Labline, Inc., 1	3070 W. Grand, Chicago 22	Ill
Hull Corp., 1-5	Davisville Rd, Hatboro	Pa
Huppert Co., K.H., 1-5	6864 S. Cottage Grove Ave, Chicago 37	Ill
Induction Heating Corp., 2	181 Wythe Ave, Brooklyn 11	NY
Industrial Systems Co., 3	32 Main St, Matawan	NJ
KAHLE ENGINEERING CO., 1-3-5, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Kahn & Co., Inc., 1	885 Wells Rd, Wethersfield	Conn
Kinney Vacuum Div., New York Air Brake Co., 5	3529 Washington St, Boston	Mass
Laboratory Equipment Corp., 1	Lakeview & Hilltop Rd, St. Joseph	Mich
Lindberg Engineering Co., 1-2-3-5	2450 W. Hubbard St, Chicago	Ill
Litton Engineering Labs., 5	P.O. Box 949, Grass Valley	Cal
Merco Products, Inc., 1-4	1298 Bethel Dr, Eugene	Ore
Miskella Infra-Red Co., The, 4	E. 73rd & Grand Ave, Cleveland 4	Ohio
NRC Equipment Corp., 5	160 Charlemont St, Newton 61	Mass
New England Oven & Furnace Co., Inc., 1-3-4-5	Boston Post Rd, Orange	Conn
Pereny Equipment Co., Inc., 1	891 Chambers Rd, Columbus	Ohio
Pintsch Bamag AG, 5	Postfach 11, Butzbach, Germany	
Plastic Welding Corp., 2	841 Freylinghuysen Ave, Newark	NJ
Precision Scientific Co., 1-3-5	3737 W. Cortland, Chicago 47	Ill
REF Mfg. Co., 1	Jericho Trnpk, Mineola	NY
Reeve Electronics, Inc., 2	609 W. Lake St, Chicago 6	Ill
Scientific Engineering Laboratories, 5	1510 Sixth St, Berkeley 10	Cal
Sel-Rex Corp., 1	75 River Rd, Nutley 10	NJ
Steiner-Ives Co., 1-3-5	Springfield Rd, Union	NJ
STOKES CORP., F.J., 5, Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp., 1-2-3-4-5	1500 Union Landing Rd, Riverton	NJ
TENNEY ENGINEERING, INC., 1, Adv Pg 102	**1090 Springfield Rd, Union**	**NJ**
Thermatron Div., Willcox & Gibbs Sewing Mach Co., 2	214 W. 39th St, New York 18	NY
Thermo Electric Mfg. Co., 1	465 Huff St, Dubuque	Iowa
Thermovolt Instruments, Ltd., 1	70 Advance Rd, Toronto 18, Ontario, Canada	
United States Dynamics, Inc., 1-2-3	10 Dedham St, Newton Highlands	Mass
Vacuum Specialties Co., 5	34 Linden St, Somerville	Mass
Veeco Vacuum Corp., 5	86 Denton Ave, New Hyde Park	NY
Young Brothers Co., 1-2-3	1829 Columbus Rd, Cleveland	Ohio

OXYGEN CONTROLS See **CONTROLS** —*OXYGEN*
OXYGEN INDICATORS See **INDICATORS** —*OXYGEN*
OXYGEN RECORDERS See **RECORDERS** —*OXYGEN*
PACEMAKERS See **CARDIAC EQUIPMENT**
PACKAGED CIRCUITS See **CIRCUITS** —*PACKAGED*
PACKAGE-WRAPPING CONTROLS See **CONTROLS** —*PHOTOELECTRIC*
PACKAGING MACHINES See **MACHINES** —*COMPONENT PACKAGING*

PACKAGING MATERIALS —*CONTAINERS* See *Also* BOXES

Bemis Bro Bag Co.	111 N. Fourth St, St. Louis 2	MO
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Celanese Plastics Co., Div Celanese Corp America	744 Broad St, Newark 2	NJ
Chicago Transparent Bag Co	Dept EG, 4806 W. Chicago Ave, Chicago	Ill
Corrugated Paper Products, Inc	2233 Utica Ave, Brooklyn 34	NY
Craig Systems, Inc	360 Merrimack, Lawrence	Mass
Devilbiss Metal Fabricators	5741 Russell, Detroit 11	Mich
Hinde & Dauch Div., W.Va. Pulp & Paper Co.	407 Decatur St, Sandusky	Ohio
Koch & Sons, Inc., H.	Corte Madera	Cal
LERMER PLASTICS INC., Adv Pg 524	**522 S. St, Garwood**	**NJ**
Muckle Mfg. Co	Prinzing Rd, Owatonna	Minn
Olympic Plastics Co., Inc	3471 S. La Cienega, Los Angeles 16	Cal
Owens-Illinois Glass Co	P.O. Box 1035, Toledo 1	Ohio
Peter Partition Corp	124 Boerum Pl, Brooklyn 1	NY
Russell Gasket Co	7424 Bessemer Ave, Cleveland 27	Ohio
Scientific Wood Cabinet Co	88 Holmes St, Belleville	NJ
Sherman Paper Products Corp	156 Oak St, Newton Upper Falls	Mass
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY
U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY
York-Hoover Corp	York	Pa
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

PACKAGING MATERIALS —*CORROSION INHIBITING*

Celanese Plastics Co., Div Celanese Corp America	744 Broad St, Newark 2	NJ
Chicago Transparent Bag Co	Dept EG, 4806 W. Chicago Ave, Chicago	Ill
Esso Standard, Div of Humble Oil & Refining Co	15 W. 51 St, New York 19	NY
Fidelity Chemical Products Corp	472 Frelinghuysen Ave, Newark	NJ
Hinde & Dauch Div., W.Va. Pulp & Paper Co.	407 Decatur St, Sandusky	Ohio
Ludlow Mfg. & Sales Co.	145 Rosemary, Needham Heights 94	Mass
Republic Steel Corp	Republic Bldg, Cleveland 1	Ohio
Sherman Paper Products Corp	156 Oak St, Newton Upper Falls	Mass
Thompson Fiber Glass Co., H.I.	1733 Cordova St, Los Angeles 7	Cal
Zophar Mills, Inc.	115 26th St, Brooklyn 32	NY

PACKAGING MATERIALS —*CUSHIONING*

1. CORRUGATED CARDBOARD 2. FOAM PLASTIC 3. RUBBERIZED HAIR

Algo, Inc	251 West St, South Hackensack	NJ
American Latex Fibre Corp., 3	500 N. Broadway, Lawrence	Mass
Armstrong Cork Co., 2	Lancaster	Pa
Atlantic Research Corp., 2	Shirley Hwy at Edsall Rd, Alexandria	Va
Blocksom & Co., 3	Michigan City	Ind
Connecticut Hard Rubber Co., 2	407 East St, New Haven 9	Conn
Corrugated Paper Products, Inc., 1	2233 Utica Ave, Brooklyn 34	NY
Craig Systems, Inc., 2	360 Merrimack, Lawrence	Mass
Dow Chemical Co., 2	Midland	Mich
General Tire & Rubber Co., 2	Akron	Ohio
Goodrich, B.F. Sponge Products Div., 2-3	1 W. Plant 4, Shelton	Conn
Hagan Chemicals & Controls, Inc, 1	Hagan Center, Pittsburgh 30	Pa
Hinde & Dauch Div., W.Va. Pulp & Paper Co., 1	407 Decatur St, Sandusky	Ohio
Isocyanate Products, Inc., 2	P.O. Box 1681, Wilmington	Del
Jodee Plastics, Inc., 2	36 Crescent St, Brooklyn 8	NY
Koch & Sons, Inc., H., 2	Corte Madera	Cal
Minor Rubber Co., Inc., 2-3	49 Ackerman St, Bloomfield	NJ
Molded Insulation Co., 2	335 E. Price St, Phila 44	Pa
Nopco Chemical Co., Plastics Div., 2	175 Schuyler Ave, North Arlington	NJ
Owens-Illinois Glass Co., 1	P.O. Box 1035, Toledo 1	Ohio
Protective Coatings Corp	596 River Rd, Clifton	NJ
Sherman Paper Products Corp., 1	156 Oak St, Newton Upper Falls	Mass
Standard Plastics, Inc., 2	Fogelsville	Pa
Summit Industries, Inc., 2	2114 W. Rosecrans Ave, Gardena	Cal
Thompson Fiber Glass Co., H.I., 2	1733 Cordova St, Los Angeles 7	Cal
Topper Mfg. Co., Inc., 2	84-56 Parsons Blvd, Jamaica 32	NY
United Mineral & Chemical Corp., 2-3	16 Hudson St, New York 13	NY
White Aircraft Corp	Palmer	Mass
Zero Mfg. Co., 2-3	1121 Chestnut St, Burbank 71	Cal
ZIPPERTUBING CO., 2, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

PACKAGING SERVICES

Austin Industries, Inc.	133 E. Main St, Marlboro	Mass
Bearing Inspection, Inc	3311 E. Gage Ave, Huntington Park	Cal
Bemis Bro Bag Co	111 N. Fourth St, St. Louis 2	Mo
Cleveland Metal Specialties Co	1783 East 21st St, Cleveland 14	Ohio
Crompton & Knowles Packaging Corp	Berkshire St, Holyoke	Mass
ELECTRO SEAL CORP., Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Research Labs	85 Surry St, Brighton 35	Mass
Export Corp	13310 Foley, Detroit 27	Mich
Goodrich, B.F. Sponge Products Div	1 W. Plant 4, Shelton	Conn
Hinde & Dauch Div., W.Va. Pulp & Paper Co.	407 Decatur St, Sandusky	Ohio
M. F. ELECTRONICS, Adv Pg 547	**122 E. 25th St, New York 10**	**NY**
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sherman Paper Products Corp	156 Oak St, Newton Upper Falls	Mass
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY
VICTOR-BERNARD INDUSTRIES, Adv Pg 564	**4566 Baker St, Philadelphia 27**	**Pa**
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

PADS-COMPONENT, *PROTECTIVE MOUNTING*

Blinn Co., Delbert	P.O. Box 757, Pomona	Cal
Corrugated Paper Products, Inc	2233 Utica Ave, Brooklyn 34	NY
CUSTOM COMPONENTS, INC., Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
General Tire & Rubber Co.	Akron	Ohio
Goodrich, B.F. Sponge Products Div	1 W. Plant 4, Shelton	Conn
Lord Mfg. Co	1635 W. 12th St, Erie	Pa
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Minor Rubber Co., Inc.	49 Ackerman St, Bloomfield	NJ
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Rubbercraft Corp of California	1800 W. 220 St, Torrance	Cal
Stalwart Rubber Co	160 Northfield Rd, Bedford	Ohio
Standard Plastics, Inc.	Fogelsville	Pa
Thompson Fiber Glass Co., H.I.	1733 Cordova St, Los Angeles 7	Cal
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

PAGING RECEIVERS See **RECEIVERS** —*PAGING*

PAGING SYSTEMS

1. RADIO 2. WIRED PUBLIC ADDRESS

Audiofax Associates, Inc., 2	P.O. Box 861, Stony Brook	NY
Bogen-Presto Div., Siegler Corp., 2	P.O. Box 500, Paramus	NJ
BUDELMAN ELECTRONICS CORP., 1, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
Cadre Industries Corp., 1	P. O. Box 150, Endicott	NY
Continental Manufacturing, Inc., 2	1612 California St, Omaha	Neb
Dukane Corp., 2	St. Charles	Ill
Elgin Metalformers Corp., 1-2	630 Congdon Ave, Elgin	Ill
Executone, Inc., 2	415 Lexington Ave, New York 17	NY
Fanon Electronic Industries, Inc., 1-2	439 Frelingheysen Ave, Newark	NJ
Forway Industries, Inc., 1	122 Green Ave, Woodbury	NJ
International Electronics Labs., GMBH, 2	Lottestr. 52, Hamburg, Lokstedt, Germany	
Karlson Associates, Inc., 2	433 Hempstead Ave, W. Hempstead	NY
Kinematic Systems, 1-2	41-11-49th St, Long Island City	NY
Midwest Audio Corp., 2	3800 W. North Ave, Chicago 47	Ill
Miratel Inc., 1	1080 Dionne St, St. Paul	Minn
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Multitone of Canada Ltd., 1	130 Merton St, Toronto 7, Canada	
Neill Co., Inc., R.W., 2	4320 W. Montrose, Chicago 41	Ill
NUCLEAR ELECTRONICS CORP., 1, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Osborne Electronic Sales Corp., 1	712 S.E. Hawthorne Blvd, Portland 14	Ore
Powers Co., J.J., 2	818 N. 22nd Ave, Melrose Park	Ill
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Radio Mfg. Engineers, Div., Electro Voice, Inc., 2	Buchanan	Mich

Rauland-Borg Corp., 2	3535 W. Addison St, Chicago 18	Ill
Secode Corp., 1	555 Minnesota St, San Francisco 7	Cal
Seeley Electronics, 1	1060 S. La Brea Ave, Los Angeles 19	Cal
Seg Electronics Co., Inc., 2	1778 Flatbush Ave, Brooklyn 10	NY
Seiscor Div., Seismograph Service Corp., 1	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Simpson Mfg. Co., Inc., Mark	32-28 49th St, Long Island City 3	NY
Standard Electronics Div., Reeves Instrument Corp., 1	Lakewood Rd, Farmingdale	NJ
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2	100 Carlson Rd, Rochester 3	NY
TELECTRO INDUSTRIES CORP., 2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 2	Park Ave, Huntington	NY
TELEVISION UTILITIES CORP., DIV of NORD, 2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Telex, Inc., 1	Telex Park, St. Paul 1	Minn
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY

PAINT-DEPTH GAGES See GAGES —*COATING THICKNESS*

PAINTS & PRIMERS —*METAL*
1. INSULATING 2. PLASTIC BASE 3. PROTECTIVE 4. RIPPLE FINISH See *Also* LACQUERS

Ambroid Co., 3	P.O. Box 30, Weymouth 88	Mass
Amerconda Chemical Co., 1-2-3-4	170 Broadway, New York 38	NY
Bart Labs & Design Inc., 3	125 Manchester Pl, Newark 4	NJ
Chemtronics Inc., 1-3	870 E. 52nd St, Brooklyn 3	NY
du Pont de Nemours & Co., Inc., E.I., 1-2-3	Wilmington 98	Del
Emerson & Cuming, Inc., 2	869 Washington St, Canton	Mass
George Co., P.D., 1-2-3-4	5200 N. 2nd St, St. Louis	Mo
INSL-X Co., Inc., 1-2-3	Water St, Ossining	NY
Krylon, Inc., 3	Ford & Washington, Norristown	Pa
Maas & Waldstein Co., 1-2-3-4	2121 McCarter Hwy, Newark 4	NJ
Melpar, Inc., 3	3000 Arlington Blvd, Falls Church	Va
Metachem Resins Corp., 1-2-3	530 Wellington Ave, Cranston 10	RI
Midland Industrial Finishes Corp., 1-3	Dept 1-20, Waukegan	Ill
Midland Industrial Div., The Harrison Paint & Varnish Co., 1-2-3	1329 Harrison Ave S.W., Canton 1	Ohio
Minnesota Mining & Mfg. Co., Chemical Div., 1-3	900 Bush Ave, St. Paul 6	Minn
Naz-Dar Co., 3	465 Milwaukee Ave, Chicago 10	Ill
Pierce & Stevens Chemical Corp., 1-2-3	710 Ohio St, Buffalo 3	NY
POLYMER CORP., 2, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Reynolds Metals Co., 3	P.O. Box 2346 ZE, Richmond 18	Va
Sauereisen Cements Co., 1-3	Sauereisen Bldg, Pittsburgh 15	Pa
Standard-Toch Chemicals, Inc., 1-2-3-4	2600 Richmond Terr, Staten Island 3	NY
Sterling Varnish Co., 1-3	Haysville Borough, Sewickley	Pa
Stonhard Co., Inc., 3	401 N. Broad St, Philadelphia 8	Pa
Summit Industries, Inc., 2	2114 W. Rosecrans Ave, Gardena	Cal
Topper Mfg. Co., Inc., 1-2	84-56 Parsons Blvd, Jamaica 32	NY
Trancoa Chemical Corp., 3	312-326 Ash St, Reading	Mass
WALSCO ELECTRONICS MFG. CO., 4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
WESTINGHOUSE ELECTRIC CORP., 1-2-3, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

PAINTS —*LUMINOUS*

Blacklight Corp of America	5112 Walnut Grove Ave, San Gabriel	Cal
Black Light Eastern Corp	201-04 Northern Blvd, Bayside	NY
Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
Delta Chemical Works	21 W. 60th St, New York	NY
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Shannon Luminous Materials Co	7356 Santa Monica Blvd, Hollywood	Cal
Stroblite Co	77 W 45 St, New York	NY
Supreme Process Corp	44 Bond St, Westbury	NY
Ultra-Violet Products, Inc	5114 Walnut Grove Ave, San Gabriel	Cal
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

PAINT SPRAY SYSTEMS —*ELECTROSTATIC* See ELECTROSTATIC SPRAY SYSTEMS

PAINTS —*PRINTED-CIRCUIT & PRINTED-COMPONENT*
1. CONDUCTIVE 2. RESISTIVE See *Also* CEMENTS —*RADIO, CONDUCTIVE*

Amerconda Chemical Co., 1-2	170 Broadway, New York 38	NY
Automated Circuits Inc., 1	P.O. Box 38, Station J, Buffalo 8	NY
Bel Fuse, Inc., 1	198 Van Vorst St, Jersey City	NJ
Bellandi Co., Inc., M., 1-2	7508 W. Grand Ave, Elmwood Park	Ill
Dry Screen Process, Inc., 2	1016 Madison Ave, Pittsburgh 12	Pa
Emerson & Cuming, Inc., 1-2	869 Washington St, Canton	Mass
ETCHOMATIC, INC., 1-2, Adv Pg 543	**182 Newton St, Waltham 54**	**Mass**
Fuller Co., H.B., 2	255 Eagle St, St. Paul 2	Minn
General Plastics Corp., 1	P.O. Box 1689, Paterson	NJ
Goodrich Industrial Products Co., B.F., 1-2	500 S. Main St, Akron 18	Ohio
HANDY & HARMAN, 1-2, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Huron Industries, 1	P.O. Box 104, Port Huron	Mich
Isochem Resins Co., 1-2	221 Oak St, Providence 9	RI
Kressilk Products, Inc., 1-2	73 Murray St, New York 7	NY
Maas & Waldstein Co., 1	2121 McCarter Hwy, Newark 4	NJ
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 1-2	152-25 138 Ave, Jamaica 34	NY
Metachem Resins Corp., 1-2	530 Wellington Ave, Cranston 10	RI
Metaplast Co., Inc., 1	34-51 56th St, Woodside	NY
Micro-Circuits Co., 1-2	New Buffalo	Mich
Naz-Dar Co., 1-2	465 Milwaukee Ave, Chicago 10	Ill
Schenectady Varnish Co., Inc., 2	Congress St & 10th Ave, Schenectady 3	NY
Screen Process Labs., 2	5-33 48th Ave, Long Island City	NY
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Sterling Varnish Co., 1-2	Haysville Borough, Sewickley	Pa
Topper Mfg. Co., Inc., 1-2	84-56 Parsons Blvd, Jamaica 32	NY

PALLADIUM

Bart Mfg. Corp	227 Main St, Belleville	NJ
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
Eastern Smelting & Refining Corp	107-109 W. Brookline St, Boston 18	Mass
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Goldsmith Bros Div., National Lead Co	900 W. 18th St, Chicago 8	Ill
HANDY & HARMAN, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
LEACH & GARNER CO., INDUSTRIAL DIV., Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Sel-Rex Corp	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Wildberg Bros Smelting & Refining Co	742 Market St, San Francisco 2	Cal

PANEL LAMPS See LAMPS
PANEL METERS See METERS —*PANEL*

PANELS
1. INSTRUMENT 2. JACK 3. RECEIVER & TRANSMITTER 4. RELAY RACK See *Also* JACK PANEL ASSEMBLIES

ADC, INC., 2, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
AEG, 1	Hochhaus Sued, Frankfurt/Main Germany	
Accurate Electronics Corp., 2	Dept G, 169 Abbe Rd S., Elyria	Ohio
Acromark Co., The, 1	323 Morrell St, Elizabeth 4	NJ
Advance Instrument Corp., 1	1109 Sixth Ave, Neptune	NJ
Aerolite Electronics Corp., 1-2-3-4	2207 Summit Ave, Union City	NJ
Aerovox Corp., 2	740 Belleville Ave, New Bedford	Mass
Airesearch Mfg. Co of Ariz., 1	402 S. 36 St, Phoenix	Ariz
Airtronics, Inc., 1-4	5522 Dorsey Ln, Washington 16	DC
ALDEN PRODUCTS CO., 2-4, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allen Electric & Equipment Co., 1	2101 N. Pitcher St, Kalamazoo	Mich
Alpitec Inc., 1-3	**49 Gleason Ave, Stamford**	**Conn**
Amco Engineering Co., 1-4	7333 W. Ainslie St, Chicago 31	Ill
American Development Electronics Co., 1-2-3	212 Central Ave, Newark	NJ
AMP, INC., 2, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co., 1-2-3-4	246 E. 2nd St, Plainfield	NJ
Anchor Specialty Mfg. Co., Inc., 1-2-3-4	300 Hollister Rd, Teterboro	NJ
Apahouser Corp., 1-2-3-4	1312 Boylston St, Boston	Mass
Bailey Meter Co., 1	1050 Ivanhoe Rd, Cleveland 10	Ohio
Baltic Metal Products Co., 1-2-3-4	126 Sutton St, Brooklyn 22	NY
Belmar Wheel & Machine Co., 1-3-4	1707 F St, Belmar	NJ
Bodnar Industries, Inc., 1-3	238 Huguenot St, New Rochelle	NY
Brooks & Perkins, Inc., 1	**1950 W. Fort St, Detroit 16**	**Mich**
Bud Radio, Inc., 1-2-3-4	**2118 E. 55th St, Cleveland 3**	**Ohio**
California Chassis Co., 4	5445 E. Century Blvd, Lynwood	Cal
Canadian Radium & Uranium Corp., 1	630 Fifth Ave, New York 20	NY
Chicago Thrift-Etching Corp., 1	1557 N. Sheffield Ave, Chicago	Ill
Churchill Lighting Corp., 4	344 Franklin St, Melrose 76	Mass
Columbia Metal Box Co., 1	260 E. 143 St, New York	NY
Comco Plastics, Inc., 1	98-34 Jamaica Ave, Richmond Hill	NY
CompuDyne Corp., 1-4	400 S. Warminster Rd, Hatboro	Pa
Conn-Craft Co., 1	303 Fairlawn Ave, Waterbury	Conn
Control Devices, Inc., 1-4	925 S. Eton Rd, Birmingham	Mich
Cortland Industries, Inc., 1	4545 Cortland St, Chicago 39	Ill
Croname, Inc., 1-2	6247 Howard St, Chicago 48	Ill
Dahlstrom Metallic Door Co., 1-3-4	Jamestown	NY
Devco Engineering, Inc., 1	Pier Ln W., Caldwell	NJ
Dietz Co., Inc., Henry G., 1	12-16 Astoria Blvd, Long Island City 2	NY
Duralith Corp., 1	1025 Race St, Phiadelphia 7	Pa
The Electric Autolite Co., 1	Champlain St, Toledo 1	Ohio
Electro-Chemical Engraving Co., 1	1100 Brook Ave, New York 56	NY
ELECTRO-PACK, INC., 1-3-4, Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Electrol Specialties Co., 1	441 Clark St, South Beloit	Ill
Electronic Enclosures, Inc., 1-2-3-4	3629 Holdrege Ave, Los Angeles 16	Cal
Elgin Metalformers Corp., 1-2-3-4	630 Congdon Ave, Elgin	Ill
Elzee Metal Products Co., Inc., 1-2-3-4	779 39th St, Brooklyn 32	NY
Emmco Plastics Fabricators, 1-2	68 Vine St, Everett 49	Mass
Engineered Electronics Co., 1-2	1441 E. Chestnut Ave, Santa Ana	Cal
Erwood Inc., 1-3-4	1770 Berteau Ave, Chicago 13	Ill
ESCOTRONICS, 4, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Eugene Engineering Co., Inc., 1-2-3-4	1217 Hyde Park Ave, Hyde Park 36	Mass
Falls Metal Works, Ltd., 4	414 Main St, Little Falls	NJ
Farwell Metal Fabricating, 1-2-3-4	87 W. Fairfield Ave, St. Paul 7	Minn
Feay Co., Neal, 1-4	133 La Patera Ave, Goleta	Cal
Feiner & Sons, P., 1-2-3-4	524 W. 45 St, New York	NY
Fischer & Porter Co., 1	476 Warminster Rd, Warminster	Pa
Fisher & Crome, 1-2-3-4	107 N. Camac St, Philadelphia 7	Pa
FORMICA METAL PRODUCTS CO., 1-4, Adv Pg 531	**Corporation Way, Medford**	**Mass**
Formweld Products Co., 1-2-3-4	1530 Colt Ave, Cleveland	Ohio
Forway Industries, Inc., 1	122 Green Ave, Woodbury	NJ
Foxboro Co., The, 1-3-4	Foxboro	Mass
G-C ELECTRONICS CO., 2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GPE Controls, Inc., 1	240 E. Ontario St, Chicago 11	Ill
General Components Co., 1-2-3-4	225-229 E. 144th, New York 51	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Heldor Mfg. Corp., 1-2-3-4	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc., 1-2-3-4	675 Garfield Ave, Jersey City 5	NJ
Hoffman Engineering Corp., 1	Anoka	Minn
Holden-Massey Corp., 1-3-4	140 Allen Blvd, Farmingdale	NY
I.E. Manufacturing, 1	325 N. Hoyne Ave, Chicago 12	Ill
Industrial Engravers, Inc., 1-2	2212 McDonald Ave, Brooklyn 23	NY
Jandor, Inc., 1	428 Salem Ave, Dayton 6	Ohio
Jan Hardware Mfg. Co., Inc., 2	38-01 Queens Blvd, Long Island City 1	NY
Jodee Plastics, Inc., 1	36 Crescent St, Brooklyn 8	NY
Kerrco, 1	Box 4178, Havelock Sta, Lincoln 7	Neb
Keystone Electronics Corp., 1-2-3	49 Bleecker St, New York 12	NY
Laminated Sheet Products Corp., 1-2-3-4	449 Neponset St, P.O. Box 390, Norwood	Mass
Lynch Mfg. Co., R.H., 4	7831 E. Arroyo Dr, South San Gabriel	Cal
Metalphoto of Cincinnati, 1	7 E. 75 St, Cincinnati	Ohio
Metalworks Inc., 3-4	9th & Jefferson, Hermann	Mo
Midwest Metal Products Inc., 4	450 E. Donovan Rd, Kansas City 15	Kan
Milgo Electronic Corp., 2-4	7620 N.W. 36th Ave, Miami 47	Fla
Minn-Honeywell, Industrial Div., 1	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Missile Equipment Div., 1	Queen & S. Bailey, Pottstown	Pa
Mobil Electronics, Inc., 1-2-3-4	1111 State Rd 67E, Anderson	Ind
NATIONAL TEL-TRONICS CORP., 1-3, Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
Nelson Electric Mfg. Co., 1-4	P.O. Box 5385, Tulsa 16	Okla
New Bruswick Sheet Metal Works, 1-4	425 Cleveland Ave, Highland Park	NJ
New England Etching Co., Inc., 1-3	25 Spring St, Holyoke	Mass
Oki & Willadsen, Ltd., 1-2-3-4	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Park Nameplate Co., Inc., 1	34-10 Linden Pl, Flushing 54	NY
Parkway Specialties Co., 2	22519 Plymouth Rd, Detroit 39	Mich
Pearce Simpson, Inc., 1-2-3-4	2295 N.W. 14th St, Miami 35	Fla
Plasteck, Inc., 1	Box 551, Poteau	Okla

PREMIER METAL PRODUCTS CO., 1-3-4, Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
REF Mfg. Co., 1-3-4	Jericho Tnpk, Mineola	NY
Radio City Products Co., Inc., 3-4	Centre & Glendale Sts, Easton	Pa
Rimak, Inc., 1-2-4	10929 Vanowen St, N. Hollywood	Cal
Rodale Electronics, 1-2-3-4	562 Grand Blvd, Westbury	NY
STAFFORD MFG. CO., INC., 1-2-3-4, Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Standard Electric Time Co., 2	89 Logan St, Springfield	Mass
Standard Electronics Div., Reeves Instrument Corp., 2-3-4	Lakewood Rd, Farmingdale	NJ
Stone Laboratories Inc., 1	1312 Tremont St, Boston 20	Mass
Sun Dial Corp., 1-2-3-4	E. Passaic Ave, Caldwell	NJ
Supreme Process Corp., 1-3	44 Bond St, Westbury	NY
SWITCHCRAFT, INC., 2, Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
Technical Service Corp	917-19 S. Third St, Louisville 3	Ky
Technology Instrument Corp of Ariz., 1	1050 E. Valencia Rd, Tucson 2	Ariz
Thermo Electric Co., 2	Rochelle Park P.O., Saddle Brook	NJ
Thermo Electric Mfg. Co., 1	465 Huff St, Dubuque	Iowa
Trimm, Inc., 1-2-4	400 W. Lake St, Libertyville	Ill
UCINITE CO., DIV., UCC, 2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Unisco, Inc., 1	1061 Linden Ave, Ridgefield	NJ
United Mfg. Co., Div., W.L. Maxson Corp., 1	41 Haig St, Hamden 14	Conn
U.S. RADIUM CORP., 1-3, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Virginia Electronics Co., Inc., 2	5209 River Rd, Washington 16	DC
Waltham Horological Corp., 2	396 Lynnway, Lynn	Mass
Westrex Corp., Div., Litton Industries, 3-4	540 W. 58 St, New York 19	NY
White Aircraft Corp., 1	Palmer	Mass
Winder Aircraft Corp., 1-3-4	Dunnellon Air Base, Dunnellon	Fla
Wyco Metal Products, 4	6918 Beck Ave, North Hollywood	Cal
York Metal Products, Inc., 1-2-3-4	350 Greenwich St, New York 13	NY

PANORAMIC ADAPTERS See ADAPTERS

PAPER
1. CAPACITOR 2. INSULATING, GENERAL 3. INSULATING, HIGH-TEMPERATURE 4. FISH 5. MOLDED PARTS 6. STAMPINGS & PUNCHINGS-TUBING See TUBING *–NONMETALLIC*

Acme Wire Co., 2	New Haven 14	Conn
Allied Engraving & Stamping Co., 6	701 Seneca St, Buffalo 10	NY
Arvey Corp., 2-3	3500 N. Kimball Ave, Chicago	Ill
Auburn Mfg. Co., The, 2-3-4-6	Pease Ave & Stack St, Middletown	Conn
AXEL BROTHERS, INC., AXEL ELECTRONICS, 1, Adv Pg 524	**134-20 Jamaica Ave, Jamaica**	**NY**
Baer Co., N.S., 6	9 Montgomery St, Hillside	NJ
Barwood Mfg. Co., Inc., L. J., 6	22 Williams St, Everett 49	Mass
Bemis Bro Bag Co., 2-5	111 N. Fourth St, St. Louis 2	Mo
Bestcraft Products Co., Inc., 6	626 Broadway, New York	NY
Catalyst Research Corp., 2-3	6101 Falls Rd, Baltimore 9	Md
Clearprint Paper Co	1482 67th St, Emeryville	Cal
Comco Plastics, Inc., 6	98-34 Jamaica Ave, Richmond Hill	NY
CONTINENTAL-DIAMOND FIBRE CORP., 4, Adv. Pgs. 205-208	**Newark 100**	**Del**
Cortland Industries, Inc., 6	4545 Cortland St, Chicago 39	Ill
COTTRELL PAPER CO., INC., 2, Adv Pg 524	**10 Purchase St, Fall River**	**Mass**
Cox Mfg. Co., 6	807 Fredericksburg Rd, San Antonio 1	Tex
Dennison Mfg. Co., 2	300 Howard St, Framingham	Mass
Electro-Technical Prods Div., Sun Chem Corp., 2	113 E. Centre St, Nutley 10	NJ
Erwood Inc., 6	1770 Berteau Ave, Chicago 13	Ill
Form-It Products, Inc., 5	1619 W. Walnut St, Chicago 12	Ill
Franklin Fiber Lamitex Corp., 2-3-4-5-6	P.O. Box 1768, Wilmington	Del
General Gaskets, Inc., 6	Middletown	Conn
Hartford City Paper Co., 2	S. Spring St, Hartford City	Ind
I.E. Manufacturing, 6	325 N. Hoyne Ave, Chicago 12	Ill
Insulation Manufacturers Corp., 2-4-5-6	565 W. Washington Blvd, Chicago 6	Ill
Jandor, Inc., 6	428 Salem Ave, Dayton 6	Ohio
Johns-Manville, 2-3	22 E. 40 St, New York 16	NY
Keystone Electronics Corp., 6	49 Bleecker St, New York 12	NY
KRENGEL MFG. CO., INC., 6, Adv Pg 491	**227 Fulton St, New York 7**	**NY**
Laminated Sheet Products Corp., 4-6	449 Neponset St, P.O. Box 390, Norwood	Mass
Lansky Die Cutting Corp., 6	473 President St, Brooklyn 15	NY
Ludlow Mfg. & Sales Co.	145 Rosemary, Needham Heights 94	Mass
Lyn-Tron, Inc., 5	5352 Riverton Ave, North Hollywood	Cal
Mosinee Paper Mills Co., 2	Mosinee	Wisc
NATVAR CORP., 2, Adv Pg 501	**Woodbridge**	**NJ**
Oki & Willadsen, Ltd., 6	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Penn Fibre & Specialty Co., 2-4-6	2020 E. Westmoreland St, Philadelphia 34	Pa
Permonite Mfg. Co., 6	910 W. Jackson Blvd, Chicago 7	Ill
Precision Stampings, Inc., 6	142 Fulton Ave, New Hyde Park	NY
Ross Co., Milton, 5	239 Jacksonville Rd, Hatboro	Pa
Schweitzer, Peter J. Dv. Kimberly Clark Corp. 1-3	Lee	Mass
Shawmut Engineering Co., 6	195 Freeport St, Boston	Mass
Sheffco Mfg. Corp., 6	323 Bergen Blvd, Fairview	NJ
Sheltered Workshops, 6	2521 Fifth St, Santa Monica	Cal
Sillcocks-Miller Co., 6	Maplewood	NJ
Spaulding Fibre Co., Inc., 2-3-4-6	310 Wheeler St, Tonawanda	NY
Stevens Paper Mills, Inc., 1-2	Windsor	Conn
Stevens Products, Inc., 5	86-88 Main St, East Orange	NJ
Stone City Products Co., 5-6	1206-7th St, Bedford	Ind
Telegraph Condenser Co., Ltd., 1	Wales Farm Rd, Acton London W. 3, England	
Welsh Co., Inc., Wm H., 2-5	2241 Indiana Ave, Chicago	Ill
West Virginia Pulp & Paper Co., 2	230 Park Ave, New York 17	NY
WESTINGHOUSE ELECTRIC CORP., 2-3-4-5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wilmington Fibre Specialty Co., 2-4	New Castle 6	Del
Wrought Washer Mfg. Co., 6	2264 S. Bay St, Milwaukee 7	Wisc

PAPER BOBBINS See BOBBINS
PAPER BOXES See BOXES
PAPER *–FACSIMILE RECORDING* See FACSIMILE EQUIPMENT
PAPER FORMS See FORMS *–COIL & RESISTOR*

PAPER *–RECORDING, GENERAL PURPOSE*

ALFAX PAPER & ENGINEERING CO., Adv Pg 533	**Washington St, P.O. Box 125, Westboro**	**Mass**
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
du Pont de Nemours & Co., Inc., E.I.	Wilmington 98	Del
HEILAND DIV., MINNEAPOLIS-HONEYWELL, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
Hogan Faximile Corp	155 Perry St, New York 14	NY
Ludlow Mfg. & Sales Co.	145 Rosemary, Needham Heights 94	Mass
MOSELEY CO., F.L., Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Nashua Corp.	44 Franklin St, Nashua	NH
Peerless Photo Products, Inc	Tesla Rd, Shoreham	NY
Soroban Engineering, Inc	P.O. Box 1717, Melbourne	Fla
Texas Instruments Incorporated, Geosciences & Instrumentation Div.	3609 Buffalo Spdwy, Houston 6	Tex
Times Facsimile Corp	540 W. 58th St, New York 19	NY
Western Union Telegraph Co	60 Hudson St, New York 13	NY

PAPER *–RECORDING, FACSIMILE* See FACSIMILE EQUIPMENT
PARAMETRIC AMPLIFIERS See AMPLIFIERS *–MICROWAVE*
PARTICLE ACCELERATORS See ACCELERATORS
PARTICLE COUNTERS See COUNTERS *–NUCLEAR PARTICLE*
PARTICLE-SIZE ANALYZERS See ANALYZERS *–PARTICLE-SIZE*
PASSIVE REFLECTORS See REFLECTORS *–PASSIVE*
PATCH BAYS *–COMPUTER* See BAYS *–PATCH*
PATCH BOARDS See BOARDS *–COMPUTER*
PATCH CORDS See CORDS *–PATCH*
PEAK-LIMITING AMPLIFIERS See AMPLIFIERS – A-F; AMPLIFIERS – R-F
PERFORATED MATERIAL See MATERIAL *–PERFORATED*

PERFORATORS *–COMPUTER TAPE*
1. COMPUTER-CONTROLLED 2. KEYBOARD-CONTROLLED 3. MANUAL

Benson-Lehner Corp., 2	1860 Franklin, Santa Monica	Cal
Clary Corp., 1-2	San Gabriel	Cal
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
Digital Service Labs., 1-2-3	23922 Crenshaw Blvd, Torrance	Cal
Precision Specialties, Inc., 1-2-3	Delsea Dr, P.O. Box 118, Pitman	NJ
Soroban Engineering, Inc., 1-2	P.O. Box 1717, Melbourne	Fla
Tally Register Corp., 1-2-3	1310 Mercer St, Seattle 9	Wash
Teletype Corp., 1-2	5555 W. Touhy Ave, Skokie	Ill
Wang Laboratories, Inc., 1-2	12 Huron Dr, Natick	Mass

PERMANENT MAGNETS See MAGNETS *–PERMANENT*
PERMEABILITY-TYPE TUNERS See TUNERS

PERMEAMETERS

G.R.H. HALLTEST CO., Adv Pg 516	**157 S. Morgan Blvd, Valparaiso**	**Ind**
Minn-Honeywell, Rubicon Instruments	Ridge at 35 St, Philadelphia 32	Pa
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

PHASE ADAPTERS See ADAPTERS
PHASE-ANGLE METERS See METERS *–PHASE-ANGLE*
PHASE COMPARATORS See COMPARATORS
PHASE MODULATORS See MODULATORS
PHASE MONITORS See MONITORS *–PHASE*
PHASE-SEQUENCE INDICATORS See INDICATORS *–PHASE-SEQUENCE*
PHASE SHIFTERS See SHIFTERS *–PHASE*
PHASE-SHIFT TRANSDUCERS See TRANSDUCERS
PHASE STANDARDS See STANDARDS *–PHASE*
PHASING NETWORKS *–DIRECTIONAL ANTENNA* See NETWORKS
PHASING UNITS *–DIRECTIONAL TRANSMITTING ANTENNA* See COUPLERS
pH CONTROLS See CONTROLS *–pH*
PHENOLIC LAMINATES See LAMINATES – *COPPER-CLAD*
PHENOLICS See PLASTICS
pH INDICATORS See INDICATORS *–pH*
PHONE PLUGS See PLUGS
PHONES See HEADPHONES
PHONOGRAPH MOTORS See MOTORS
PHONOGRAPH NEEDLE SCRATCH FILTERS See FILTERS
PHONOGRAPH PICKUPS See PICKUPS

PHONOGRAPHS
1. HIGH-FIDELITY, TABLE OR CONSOLE-HIGH-FIDELITY SYSTEMS See HIGH-FIDELITY STSTEMS *2. RECORD CHANGERS ALONE 3. RECORD CHANGERS WITH AUDIO 4. RECORD PLAYERS ALONE 5. RECORD PLAYERS, BATTERY-OPERATED (TRANSISTORIZED AUDIO) 6. RECORD PLAYERS WITH AUDIO 7. STEREO*

Admiral Corp., 1-2-3-4-6-7	3800 W. Cortland St, Chicago 47	Ill
American Geloso Electronics, 4-6	251 Park Ave S., New York	NY
Andrea Radio Corp., 1-3-7	27-01 Bridge Pl N., Long Island Ctiy 1	NY
Arlo Electronics Corp., 1-3-4-6-7	22 Warren Dr, Syosset	NY
Arvin Industries, Inc., Radio & TV Div., 1-7	Columbus	Ind
Audio Industries, Inc	Michigan City	Ind
Audio-Master Corp., 1-3-4-5-6-7	17 East 45th St, New York 17	NY
Audiotronics Corp., 6-7	11057 Weddington St, N. Hollywood	Cal
Autocrat Electronics Co., 3-4-6-7	5024 Elm St, Skokie	Ill
Birmingham Sound Reproducers Ltd., 2-4-7	Old Hill, Staffs, England	
Bogen-Presto Div., Siegler Corp., 4-6	P.O. Box 500, Paramus	NJ
Braun, Max, 4-5	Ruesselsheimerstr 22, Frankfurt/M, Germany	
CBS ELECTRONICS, DIV., CBS, INC., 1-3-6-7, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Channel Master Co., 4-7	Ellenville	NY
Chisholm Industries, Ltd., 1-3-6-7	Electronic St, Port Moody, B.C. Canada	
Collaro, Ltd., (Rockbar), 2-4-7	650 Halstead Ave, Mamaroneck	NY
Dominion Electrohome Industries Ltd., 1-3-4-5-6-7	283 Duke St W., Kitchener, Ontario, Canada	
Dukane Corp., 2-3-4-6	St. Charles	Ill
Dynamic Electronics, Capehart Corp., 1-3-6-7	87-46 123 St, Richmond Hill 18	NY
Electron Enterprises, 1-3-4-5-6-7	6917-19-21 Stanley Ave, Berwyn	Ill
Electronic Applications, Inc., 4	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 7, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electrophono & Parts Corp., 1-2-4-7	530 Canal St, New York 13	NY
Emerson Radio & Phono, Corp., 1-2-3-4-5-6-7	14th & Coles Sts, Jersey City	NJ
Fairchild Recording Equip., Co., 1-4-7	10-40 45th Ave, L I City 1	NY
Fanon Electronic Industries, Inc., 1-2-3-4-5-6-7	439 Frelingheysen Ave, Newark	NJ
Fen-Tone Corp., 2	106 Fifth Ave, New York 11	NY
Fisher Radio Corp., 1-7	21-21 Forty Fourth Dr, L.I. City 1	NY
Garrard-Sales Corp., 2-4-7	80 Shore Rd, Port Washington	NY
GATES RADIO CO., 1-6-7, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Glaser-Steers Corp., 2	155 Oraton St, Newark 4	NJ
Gotham Audio Corp., 4-7	2 W. 46 St, New York 36	NY
Granco Products, Inc., 1-7	83-30 Kew Gardens Rd, Kew Gardens	NY
I.D.E.A., Inc., 4	7900 Pendleten Pike, Indianapolis 26	Ind
James International, 5	853 6th Ave, New York City	NY
Lesa Construzioni Elettromeccaniche, 1-2-3-4-6-7	Via Bergamo 21, Milan, Italy	
M P Engineering Co., 1-6-7	Fairfield 3	Conn
Marconi's Wireless Telegraph Co., Ltd., 1-4	750 Third Ave, New York 17	NY
Metzner Engineering Corp., 4	1041 N. Sycamore, Hollywood 38	Cal

Molded Insulation Co., 4-6	335 E. Price St, Phila 44	Pa
Newcomb Audio Products Co., 1-4-6-7	6824 Lexington Ave, Hollywood 38	Cal
Olympic Radio & Television Co., Div of the Siegler Corp., 1-6-7	34-01 38 Ave, Long Island City	NY
Packard-Bell Electronics Corp., Technical Products Div., 1-6-7	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-3-5-6-7, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Permoflux Products Co., 4-6-7	4101 San Fernando Rd, Glendale	Cal
Pilot Radio Corp., 1-7	37-06 36th St, Long Island City	NY
Pyramid Enterprises, 1-4-6-7	3817 Trimble St, Nashville	Tenn
RCA Sales Corp., Radio Corp of America Sub, 1-2-3-4-6-7	Cherry Hill, Del Twnshp, Camden 8	NJ
Rheem Califone Corp., 4	1020 N. La Brea Ave, Hollywood 38	Cal
Scott, Inc., H.H., 1-4-6-7	111 Powder Mill Rd, Maynard	Mass
Setchell Carlson, Inc., 1-2-7	330 5th Ave, St. Paul 12	Minn
Simpson Mfg. Co., Inc., Mark, 4	32-28 49th St, Long Island City 3	NY
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2-7	100 Carlson Rd, Rochester 3	NY
Sylvania Home Electronics, 1-7	700 Ellicott St, Batavia	NY
Telequip Radio Co., 1-7	2559 W. 21st St, Chicago 8	Ill
Thorens Co., 2-4	Thorens & Atlantic Aves, New Hyde Park	NY
Trav-Ler Radio Corp., 1-2-4-5-6-7	573 W. Jackson Blvd, Chicago	Ill
U.S. Recording Co., 4-6	1345 Capitol St, Washington	DC
V-M Corp., 1-2-3-4-6-7	305 Territorial, Benton Harbor	Mich
Warwick Mfg. Corp., 1-2-3-4-6-7	7300 N. Lehigh Ave, Chicago 48	Ill
Waters Conley Co., Inc., 1-6-7	17 E. Chestnut St, Chicago 11	Ill
Webcor, Inc., 1-2-3-4-6-7	5610 Bloomingdale, Chicago 39	Ill
Wells-Gardner & Co., 1-3-6-7	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 1-3-6-7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wurlitzer Co., 3-6-7	North Tonawanda	NY
Zenith Radio Corp., 1-3-6-7	6001 Dickens Ave, Chicago 39	Ill

PHONO PLUGS See PLUGS

PHOSPHOR BRONZE
1. SHEETS 2. STRIP 3. STAMPINGS & PUNCHINGS-WIRE: See WIRE – *BARE*

Accurate Specialties Co., Inc., 3	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 3	21-03 43rd Ave, Long Island City 1	NY
Alpitec Inc., 3	49 Gleason Ave, Stamford	Conn
American Silver Co., Inc., 2	36-07 Prince St, Flushing 54	NY
American Smelting & Refining Co	120 Broadway, New York 5	NY
Anaconda American Brass Co., 1-2-3	414 Meadow St, Waterbury 20	Conn
ART WIRE & STAMPING CO., 3, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Auburn Mfg. Co., The, 3	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 3	22 Williams St, Everett 49	Mass
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Braun Tool & Instrument Co., Inc., H, 3	140 Fifth Ave, Hawthorne	NJ
Bridgeport Brass Co., 1-2	30 Grand St, Bridgeport	Conn
Carroll Pressed Metal, Inc., 3	133 Dewey St, Worcester	Mass
Chase Brass & Copper Co., Inc., 1-2	236 Grand St, Waterbury 20	Conn
Cox Mfg. Co., 3	807 Fredericksburg Rd, San Antonio 1	Tex
Fastex Div., Illinois Tool Works, 3	195 Algonquin Rd, Des Plaines	Ill
Forsberg Mfg. Co., 3	127 Seaview Ave, Bridgeport	Conn
Forway Industries, Inc., 3	122 Green Ave, Woodbury	NJ
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 3, Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., 3, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Golden Co., 3	1054-38th St, Brooklyn 19	NY
Hamilton Watch Co., Precision Metals Div., 2	Lancaster	Pa
Heller Roberts Mfg. Corp., 3	700 Jamaica Ave, Brooklyn 8	NY
HUDSON TOOL & DIE CO., INC., 3, Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
INDUSTRIAL ELECTRONIC HARDWARE CORP., 3, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Jandor, Inc., 3	428 Salem Ave, Dayton 6	Ohio
Jones & Roy Co., 3	620 Commercial Ave, Covina	Cal
Kling Metal Spinning Co., 3	247 Centre St, New York	NY
LEACH & GARNER CO., INDUSTRIAL DIV., 1-2, Adv Pg 531	**Attleboro**	**Mass**
Lee Spring Co., Div of Leetronics, Inc., 3	30 Main St, Brooklyn 1	NY
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
Oki & Willadsen, Ltd., 3	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Precision Stampings, Inc., 3	142 Fulton Ave, New Hyde Park	NY
Prestole Corp., The, 3	1345 Miami St, Toledo	Ohio
Quadriga Mfg. Co., 3	213 W. Grand Ave, Chicago 10	Ill
Riverside-Alloy Metal Div., H.K. Porter., Inc., 1-2	1 Pavilion Ave, Riverside	NJ
Semi-Alloys, Inc., 1-2-3	550 S. Fulton Ave, Mt. Vernon	NY
Seymour Mfg. Co., The, 2	15 Franklin St, Seymour	Conn
Sheffco Mfg. Corp., 3	323 Bergen Blvd, Fairview	NJ
Smith, Inc., Herman H., 3	2326 Nostrand Ave, Brooklyn 10	NY
Somers Brass Co., 2	94 Baldwin Ave, Waterbury	Conn
Stone City Products Co., 3	1206-7th St, Bedford	Ind
Sylvania Electric Products Inc., Parts Div., 2-3	12 Second Ave, Warren	Pa
Technology Instrument Corp of Ariz., 3	1050 E. Valencia Rd, Tucson 2	Ariz
Templet Industries, 3	701 Atkins Ave, Brooklyn	NY
Tricon Mfg. Co., 3	8012 S. Wallace St, Chicago 20	Ill
United Screw & Bolt Corp., 3	3590 W. 58 St, Cleveland 2	Ohio
Volkert Stampings, Inc., 3	222-34 96th Ave, Queens Village 29	NY
Wrought Washer Mfg. Co., 3	2264 S. Bay St, Milwaukee 7	Wisc
York Metal Products, Inc., 3	350 Greenwich St, New York 13	NY

PHOSPHORS See FLUORESCENT COMPOUNDS
PHOTOCELLS See CELLS –*PHOTOELECTRIC*
PHOTOCONDUCTIVE CELLS See CELLS –*PHOTOELECTRIC*
PHOTOCOPY MACHINES See MACHINES –*COPYING*
PHOTODIODES See DIODES –*CRYSTAL*
PHOTOELECTRIC CELLS See CELLS –*PHOTOELECTRIC*
PHOTOELECTRIC CONTROLS See CONTROLS –*PHOTOELECTRIC*
PHOTOELECTRIC COUNTERS See COUNTERS –*PHOTOELECTRIC*
PHOTOELECTRIC DENSITY CONTROLS See CONTROLS –*DENSITY*
PHOTOELECTRIC DIMENSION GAGES See GAGES –*DIMENSION*
PHOTOELECTRIC DOOR CONTROLS See CONTROLS –*DOOR*
PHOTOELECTRIC ILLUMINATION CONTROLS See CONTROLS – *PHOTOELECTRIC*
PHOTOELECTRIC PUNCHED-TAPE READERS See READERS
PHOTOELECTRIC REFLECTION METERS See METERS –*REFLECTION, PHOTOELECTRIC*
PHOTOELECTRIC SOURCE LAMPS See LAMPS

PHOTOELECTRIC TRACER CONTROLS See CONTROLS –*CONTOURING*
PHOTO-ETCHED COMPONENTS See COMPONENTS –*PHOTO-ETCHED*

PHOTOFLASH EQUIPMENT –*ELECTRONIC*

American Speedlight Corp.	63-01 Metropolitan, Middle Village 79	NY
BURKE & JAMES, INC., Adv Pg 561	**321 S. Wabash Ave, Chicago 4**	**Ill**
Davenport Mfg. Co.	2530-32 N. Elston Ave, Chicago	Ill
Dormitzer Electric & Mfg. Co., Inc.	5 Hadley St, Cambridge 40	Mass
Elomag Sprl	2 Avenue Wellington, Brussels, Belgium	
Farrall Instrument Co	Box 658, Grand Island	Neb
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Kemlite Laboratories, Inc	1819 W. Grand Ave, Chicago 22	Ill
Modelectric Products Corp.	1500 Bangs Ave, Asbury Park	NJ
Nems-Clarke Co., Div., Vitro Corp of America	Silver Spring	Md

PHOTOFLASH OUTPUT METERS See METERS –*PHOTOFLASH LIGHT OUTPUT*
PHOTOFLASH TUBES See LAMPS
PHOTOGRAPHIC EXPOSURE CONTROLS See CONTROLS –*PHOTOELECTRIC*
PHOTOGRAPHIC FILM RECORDERS See RECORDERS –*FILM*
PHOTOGRAPHIC FILMS See FILMS

PHOTOMETERS

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Eldorado Electronics	2821-10th St, Berkeley	Cal
PHOTOCHRON RESEARCH INC., Adv Pg 547	**2 Howard St, New York 13**	**NY**
Photovolt Corp	95 Madison Ave, New York 16	NY
Renupp Co	3457 Greenfield Ave, Los Angeles 34	Cal
Ultrasonic Engineering Co	P.O. Box 209, Maywood	Ill
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

PHOTOMULTIPLIER TUBES See TUBES –*PHOTOTUBES*
PHOTOTRANSISTORS See TRANSISTORS
PHOTOTUBES See TUBES –*PHOTOTUBES*
PHOTOVOLTAIC CELLS See CELLS –*PHOTOELECTRIC*
pH RECORDERS See RECORDERS –*pH*

PICKUP ARMS

Astatic Corp., The	Conneaut	Ohio
CBS ELECTRONICS, DIV., CBS, INC., Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Components Corp	Denville	NJ
Dyna-Empire, Inc	1075 Stewart Ave, Garden City	NY
Dynaco, Inc	3912 Powelton Ave, Philadelphia 4	Pa
Electro Sonic Labs., Inc	35-54 36th St, Long Island City 6	NY
Garrard Sales Corp	80 Shore Rd, Port Washington	NY
Metzner Engineering Corp	1041 N. Sycamore, Hollywood 38	Cal
Pickering & Co., Inc	Sunnyside Blvd, Plainview	NY

PICKUP COILS See COILS
PICKUPS –*INDUSTRIAL* See TRANSDUCERS

PICKUPS –*PHONOGRAPH*
1. CERAMIC 2. CRYSTAL 3. DYNAMIC 4. MAGNETIC 5. STEREO 6. TRANSCRIPTION

Acme Electric Heating Corp., 5	99 Reading St, Boston	Mass
Allied Radio Corp., 4-5	100 N. Western Ave, Chicago 80	Ill
American Geloso Electronics, 2	251 Park Ave S., New York	NY
Argonne Electronics Mfg. Corp., 1-2-5	165-11 South Rd, Jamaica 33	NY
Astatic Corp., The, 1-2-5	Conneaut	Ohio
CBS ELECTRONICS, DIV., CBS, INC., 1-2-5, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Du-Co Ceramics Co., 1	1050 Main St, Saxonburg	Pa
Duotone Co., Inc., 1-2-5	Locust St, Keyport	NJ
Dyna-Empire, Inc., 4-5	1075 Stewart Ave, Garden City	NY
Dynaco, Inc., 4-5-6	3912 Powelton Ave, Philadelphia 4	Pa
Electro Sonic Labs., Inc., 3-5-6	35-54 36th St, Long Island City 6	NY
Electro Voice, Inc., 1-2-5-6	Buchanan	Mich
Electronic Applications, Inc., 3-5-6	194 Richmond Hill Ave, Stamford	Conn
Electrophono & Parts Corp., 1-2-5	530 Canal St, New York 13	NY
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fairchild Recording Equip Co., 4-5	10-40 45th Ave, L I City 1	NY
Fedtro, Inc., 2-5	Fed Electr Bldg, Rockville Centre	NY
Fen-Tone Corp., 1-2-3-4-5	106 Fifth Ave, New York 11	NY
Forbes & Wagner, Inc., 1-2-3-4	345 Central Ave, Silver Creek	NY
Garrard Sales Corp., 5	80 Shore Rd, Port Washington	NY
GATES RADIO CO., 4-6, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gotham Audio Corp., 3-5-6	2 W. 46 St, New York 36	NY
Gulton Industries, Inc., 1	212 Durham Ave, Metuchen	NJ
Jensen Industries, Inc., 1-2-5	7333 W. Harrison, Forest Park	Ill
Lesa Construzioni Elettromeccaniche Spa, 2-5	Via Bergamo 21, Milan, Italy	
Metzner Engineering Corp., 6	1041 N. Sycamore, Hollywood 38	Cal
MICROTRAN CO., INC., 6, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Muter Co., 1-5	1255 S. Michigan, Chicago 5	Ill
Pacific Transducer Corp., 4-6	11836 W. Pico Blvd, Los Angeles 64	Cal
Pickering & Co., Inc., 4-5-6	Sunnyside Blvd, Plainview	NY
Radio Mfg. Engineers, Div., Electro Voice, Inc., 1-2-3-4-5	Buchanan	Mich
Recoton Corp., 4	52-35 Barnett Ave, Long Island City 4	NY
Scott, Inc., H.H., 4-5-6	111 Powder Mill Rd, Maynard	Mass
Shure Brothers, Inc., 1-2-4-5-6	222 Hartrey Ave, Evanston	Ill
Sonotone Corp., 1-2-5	P.O. Box 200, Elmsford	NY
Thorens Co., 6	Thorens & Atlantic Aves, New Hyde Park	NY
Toyo Trading Co., Ltd., 2-5	P.O. Box 999, Central Tokyo	Japan

PICKUP UNITS –*TV, MOBILE*

GPL Div., General Precision, Inc	63 Bedford Rd, Pleasantville	NY
Lyncoach & Truck Co., Inc	Oneonta	NY

PICTURE SIGNAL GENERATORS See GENERATORS –*SIGNAL*
PICTURE TUBE MASKS See MASKS-TV
PICTURE TUBES See TUBES –*CATHODE-RAY*
PIEZOELECTRIC CRYSTALS See CRYSTAL BLANKS: CRYSTALS – *PIEZOELECTRIC, RAW*
PILOT LAMP ASSEMBLIES See LAMP ASSEMBLIES
PILOT LAMPS See LAMPS
PILOTS –*AUTOMATIC* See AUTOPILOTS
PINS –*TUBE BASE* See TUBE PARTS

PINS –*TUBULAR*

BEAD CHAIN MFG. CO., Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
STANDARD PRESSED STEEL CO., Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**

PIPE LOCATORS See DETECTORS –*METAL*: LOCATORS –*PIPE & CABLE*
PIRANI GAGES See GAGES –*VACUUM*
PISTON CAPACITORS See CAPACITORS-VARIABLE: *TRIMMER-GLASS OR QUARTZ*
PITCH See ASPHALT
PLANES –*MEMORY* See MEMORIES –*COMPUTER*
PLASTIC BEADS See BEADS
PLASTIC BOBBINS See BOBBINS
PLASTIC BOXES See BOXES
PLASTIC CABINETS See CABINETS –*PLASTIC*
PLASTIC FABRIC PARTS See FABRIC PARTS
PLASTIC FABRICS See FABRICS
PLASTIC FIBERS See FIBERS
PLASTIC FORMS See FORMS –*COIL & RESISTOR*: FORMS –*EPOXY, ENCAPSULATING*
PLASTIC INSULATION PARTS See PLASTICS –*FINISHED PARTS*

PLASTIC MOLDING SERVICES

Acroscope Engineering Co	1001 E. Manchester Ave, Los Angeles 1	Cal
Aero Service Corp	210 E. Courtland St, Philadelphia 20	Pa
Anchor Indl Co., Div., Anchor Plastics Co., Inc	36-36 36 St, Long Island City 6	NY
Auburn Plastics, Inc	Auburn	NY
Booker & Walestad, Inc	3336 Gorham Ave, Minneapolis 26	Minn
Chemplast, Inc	3 Central Ave, East Newark	NJ
Chicago Molded Products Corp	1020 N. Kolmar Ave, Chicago 51	Ill
Component Mfg. Service, Inc	West Bridgewater	Mass
Consolidated Molded Products Corp	Scranton 2	Pa
CONTINENTAL-DIAMOND FIBRE CORP., Adv. Pgs. 205-208	**Newark 100**	**Del**
Darrill Products Corp	107 Falmouth St, Attleboro	Mass
Donmar Products, Inc	P.O. Box 8396, Denver 10	Colo
Dura Plastics of New York, Inc	303 Fifth Ave, New York 16	NY
Electro Development Co	14701 Keswick St, Van Nuys	Cal
Franklin Fibre Lamitex Corp	P.O. Box 1768, Wilmington	Del
GRAYHILL, INC., Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Insulating Fabricators, Inc	150 Union Ave, East Rutherford	NJ
Koch & Sons, Inc., H.	Corte Madera	Cal
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Lancaster Glass Corp	Lancaster 20	Ohio
Larson Mfg. Co., R.W.	Montville	NJ
Luzerne Rubber Co	P.O. Box 2191, Muirhead Ave, Trenton 7	NJ
Lyn-Tron, Inc	5352 Riverton Ave, North Hollywood	Cal
Molding Corp of America	42 Church St, Pawtucket	RI
Northwest Plastics, Inc	65 Plato Ave, St. Paul 1	Minn
Owens-Illinois Glass Co	P.O. Box 1035, Toledo 1	Ohio
Panelyte Div., St. Regis Paper Co	N. Enterprise Ave, Trenton 8	NJ
RICHARDSON CO., THE, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sanford Plastics Corp	New Brunswick & Charles, Matawan	NJ
Sillcocks-Miller Co	Maplewood	NJ
Stalwart Rubber Co	160 Northfield Rd, Bedford	Ohio
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
United Fabricators Electronics, Inc	Stillwater	Minn

PLASTIC PLATING SERVICES See PLATING SERVICES
PLASTICS –*ENCAPSULATING* See RESINS –*ENCAPSULATING & POTTING*

PLASTICS –*FILM (CAPACITOR & INSULATING)*
1. CELLULOSE ACETATE 2. CELLULOSE ACETATE BUTYRATE 3. CELLULOSE NITRATE 4. FLUOROCARBONS (KEL-F & TEFLON) 5. MYLAR 6. NYLON 7. POLYETHYLENE 8. UREA FORMALDEHYDE 9. VINYL

Acme Wire Co., 6-7	New Haven 14	Conn
Aero-Marine Development Corp., 4	110 Summit Ave, Chatham	NJ
Allegheny Plastics, Inc., 1-2-4-5-6-9	Rt. 51, Thorn Run Rd, Coraopolis	Pa
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., 4, Adv Pg 57	**40 Rector St, New York**	**NY**
American Mica Insulation Co., 5-6-7-8-9	235 Parker Ave, Manasquan	NJ
AMERICAN SUPER-TEMPERATURE WIRES, INC., 4, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Amflex Products Dept., Amer Mach & Fdry. Co., 4	689 Hope St, Springdale	Conn
Apex Coated Fabrics Co., 5-9	12 E. 22nd St, New York 10	NY
Auburn Mfg. Co., The, 4-5-6-7-9	Pease Ave & Stack St, Middletown	Conn
Barwood Mfg. Co., Inc., L. J., 1-2-3-4-5-6-7-8-9	22 Williams St, Everett 49	Mass
Bonny Mfg. Corp., 4	146 Main St, Maynard	Mass
Borden Chemical Co., Div., Borden Co., 9	350 Madison Ave, New York 17	NY
Capcon, Inc., 1-2-4-5-6-7	61 Stanton St, New York 2	NY
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
Celanese Plastics Co., Div Celanese Corp America	744 Broad St, Newark 2	NJ
Chemo Products, Inc., 4	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 4	3 Central Ave, East Newark	NJ
Chemtronics Inc., 1-2-3-9	870 E. 52nd St, Brooklyn 3	NY
Chicago Transparent Bag Co., 5-7-9	Dept EG, 4806 W. Chicago Ave, Chicago	Ill
Condenser Products Div., New Haven Clock & Watch Co., 1-2-4-5-7	140 Hamilton St, New Haven	Conn
CONTINENTAL-DIAMOND FIBRE CORP., 4, Adv. Pgs. 205-208	**Newark 100**	**Del**
Dilectrix Corp., 4	Allen Blvd/Grand, Farmingdale	NY
Dixon Corp., 4	19-21 Burnside St, Bristol	RI
Dow Chemical Co., 7	Midland	Mich
du Pont de Nemours & Co., Inc., E.I., 1-4-5	Wilmington 98	Del
Dura Plastics of New York, Inc., 1-2-4-6-7-9	303 Fifth Ave, New York 16	NY
Electronic Mechanics, Inc., 4	101 Clifton Blvd, Clifton	NJ
Emerson Plastics Corp., 1-2-4-5-6-7-9	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 4-6-7	Fellowship Rd, Rt. 73, Maple Shade	NJ
Ethylene Corp., 4	245 Broad St, Summit	NJ
Flexrock Co., 4	3608 Filbert St, Philadelphia 1	Pa
Franklin Fibre Lamitex Corp., 1-2-3-4-5-6-7-9	P.O. Box 1768, Wilmington	Del
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 4-6, Adv Pg 218	**Camden 1**	**NJ**
General Plastics Corp., 4-6-9	P.O. Box 1689, Paterson	NJ
Gering Plastics, Div., Studebaker-Packard, 7	N. 7th at Monroe, Kenilworth	NJ
Goodrich Industrial Products Co., B.F., 9	500 S. Main St, Akron 18	Ohio
Halogen Insulator & Seal Corp., 4	9960 Pacific Ave, Franklin Park	Ill
Insulating Fabricators, Inc., 4-6-7	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 1-4-5-7-9	565 W. Washington Blvd, Chicago 6	Ill
Joclin Mfg. Co., 4	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 1-2-3-7-9	36 Crescent St, Brooklyn 8	NY
Koppers Co., Inc., 7	Koppers Bldg, Pittsburgh 19	Pa
Laminated Sheet Prods, 1-2-3-4-5-6-7-8-9	449 Neponset St, P.O. Box 390, Norwood	Mass
Long, Inc., Thomas J., 1-2-5-6-7-9	215 Stonehinge Ln, Carle Place	NY
Ludlow Mfg. & Sales Co., 7	145 Rosemary, Needham Heights 94	Mass
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 4, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Mica Insulator, Div Minnesota Mining & Mfg Co., 5	797 Broadway, Schenectady 1	NY
Minnesota Mining & Mfg. Co., 4-9	900 Bush Ave, St. Paul 6	Minn
Minnesota Mining & Mfg. Co., Chemical Div., 4	900 Bush Ave, St. Paul 6	Minn
Minor Rubber Co., Inc., 4-6-8	49 Ackerman St, Bloomfield	NJ
Monsanto Chemical Co., Plastics Div., 1	812 Monsanto Ave, Springfield	Mass
NATVAR CORP., 7, Adv Pg 501	**Woodbridge**	**NJ**
New Jersey Wood Finishing Co., 7-9	Amboy Ave, Woodbridge	NJ
Oki & Willadsen, Ltd., 1-2-4-5-6-7-9	47 Crockford Blvd, Toronto 16, Ontario, Canada	
POLYMER CORP., 4-6, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Pyramid Electric Co., 5	Orange St, Darlington	SC
Resistoflex Corp., 4	20 Woodland Rd, Roseland	NJ
Ross Co., Milton, 1-2-3-4-6-7-8-9	239 Jacksonville Rd, Hatboro	Pa
Sanford Plastics Corp., 4	New Brunswick & Charles Matawan	NJ
Shamban & Co., W.S., 4-6-7	11617 W. Jefferson Blvd, Culver City	Cal
Sillcocks-Miller Co., 1-2-3-4-5-6-7	Maplewood	NJ
Sparta Mfg. Co., 4	P.O. Box 107, Dover	Ohio
Tri-Point Plastics, Inc., 4-6	175 E. U. Willets Rd, Albertson	NY
Union Carbide Plastics Co., Div., UCC, 9	270 Park Ave, New York 17	NY
ZIPPERTUBING CO., 4-5-6-7-9, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

PLASTICS –*FILLERS FOR (EXCEPT FABRICS & FIBERS)*

Barwood Mfg. Co., Inc., L. J.	22 Williams St, Everett 49	Mass
Chemtronics Inc	870 E. 52nd St, Brooklyn 3	NY
Eagle-Picher Co.	American Bldg, Cincinnati 1	Ohio
Hastings Plastics, Inc	1551 12th St, Santa Monica	Cal
Isochem Resins Co	221 Oak St, Providence 9	RI
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Shamban & Co., W.S.	11617 W. Jefferson Blvd, Culver City	Cal

PLASTICS –*FINISHED PARTS*
1. CAST 2. EXTRUDED 3. FABRICATED 4. LAMINATED 5. MACHINED 6. METALLIZED 7. MOLDED 8. STAMPINGS & PUNCHINGS 9. VACUUM-FORMED

AC Electronics, Inc., 7	11725 Mississippi Ave, Los Angeles 25	Cal
A-K Mfg. Co., Inc., 7	111 S. Northwest Hwy, Barrington	Ill
Accurate Specialties Co., Inc., 6	37-11 57 St, Woodside 77	NY
Ace Plastic Co., 1-2-3-4-5-8	91-54 Van Wyck Expwy, Jamaica 35	NY
Acroscope Engineering Co., 7	1001 E. Manchester Ave, Los Angeles 1	Cal
Aero Service Corp., 1-9	210 E. Courtland St, Philadelphia 20	Pa
AIRFLYTE ELECTRONICS CO., 5-7, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
AIR-SHIELDS, INC., 3, Adv Pg 163	**Hatboro**	**Pa**
Airtronics International Corp., 7	P.O. Box 8576, Fort Lauderdale	Fla
Allegheny Plastics, Inc., 3-4-5-7	Rt. 51, Thorn Run Rd, Coraopolis	Pa
Allied Circuit Techniques. Ltd., 1-3-4-5	29 Brook St N., Oakville, Ontario, Canada	
Allied Engraving & Stamping Co., 3-4-5	701 Seneca St, Buffalo 10	NY
Allied Plastics Supply Corp., 1-2-3-4-5-6-7-8-9	75 Cliff St, New York 38	NY
Alloys Unlimited, Inc., 8	21-03 43rd Ave, Long Island City 1	NY
American Mica Insulation Co., 1-2-3-4-5-8	235 Parker Ave, Manasquan	NJ
American Molded Products Co., 7	2727 W. Chicago Ave, Chicago 22	Ill
American Printed Circuits Co., Inc., 4	Forrest St, Metuchen	NJ
American Research & Mfg. Corp., 7	920 Halpine Ave, Rockville	Md
Anchor Indl Co., Div., Anchor Plastics Co., Inc., 2	36-36 36 St, Long Island City 6	NY
Anchor Specialty Mfg. Co., Inc., 3-5	300 Hollister Rd, Teterboro	NJ
Anti-Corrosive Metal Products Co., Inc., 5-7	Castleton-on-Hudson	NY
Aries Laboratories, Inc., 1-7-9	225 Greenwich Ave, Stamford	Conn
Arlin Mfg. Co., 2-3-4	12 Perkins St, Lowell	Mass
Armstrong Cork Co., 1-2	Lancaster	Pa
ASSOCIATED ENGINEERING CORP., 7, Adv Pg 548	**65 Kent St, Brookline 46**	**Mass**
Atkins & Merrill, Inc., 1-3-4-7-9	49 Post Rd, South Sudbury	Mass
Auburn Mfg. Co., The, 3-5-8	Pease Ave & Stack St, Middletown	Conn
Auburn Plastics, Inc., 2-7	Auburn	NY
Austin Industries, Inc., 3-9	133 E. Main St, Marlboro	Mass
Automated Circuits Inc., 2-6-7	P.O. Box 38, Station J, Buffalo 8	NY
Baer Co., N.S., 4	9 Montgomery St, Hillside	NJ
Barco, Inc., 1	Box 1222, Milwaukee 1	Wisc
Barwood Mfg. Co., Inc., L. J., 2-3-4-5-8	22 Williams St, Everett 49	Mass
Bearing Inspection, Inc., 9	3311 E. Gage Ave, Huntington Park	Cal
Belmar Wheel & Machine Co., 3-5-8	1707 F St, Belmar	NJ
Besler Corp., 5	4053 Harlan St, Oakland 8	Cal
Bestcraft Products Co., Inc., 3-8	626 Broadway, New York	NY
Blinn Co., Delbert, 2-7	P.O. Box 757, Pomona	Cal
Bodnar Industries, Inc., 1-3-5-7	238 Huguenot St, New Rochelle	NY
Bolling Industries, Inc., 3-8-9	330 E. Locust St, Scranton 2	Pa
Bomyte Co., The, 4	Green St, Silverdale	Pa
Bonny Mfg. Corp., 2-3-4-5-6-7	146 Main St, Maynard	Mass
Booker & Walestad, Inc., 7	3336 Gorham Ave, Minneapolis 26	Minn
Boonton Molding Co., 1-7	Boonton	NJ
Borden Chemical Co., Div., Borden Co., 2-4	350 Madison Ave, New York 17	NY
Brand William-Rex Div., 2	31 Sudbury Rd, Concord	Mass
Bright Star Industries, 7	600 Getty Ave, Clifton	NJ
Campro Products, Inc., 7	3133 Alliance Rd N.E., Canton 1	Ohio
Carmer Industries, Inc., 1-2-3-5	22 N. 26 St, Kenilworth	NJ
Carolina Industrial Plastics Co., 2	Mt. Airy	NC
Carr Fastener Co., Div., United-Carr, 2-7-8	31 Ames St, Cambridge 42	Mass
Carroll Pressed Metal, Inc., 8	133 Dewey St, Worcester	Mass
Cast Optics Corp., 1-3	123 Newman St, Hackensack	NJ
Chemo Products, Inc., 2-5-7	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 2-3-5-7-8	3 Central Ave, East Newark	NJ
Chicago Molded Products Corp., 7	1020 N. Kolmar Ave, Chicago 51	Ill
COLLECTRON CORP., 7, Adv Pg 446	**304 E. 45th St, New York 17**	**NY**
Comco Plastics, Inc., 3-4-5-8-9	98-34 Jamaica Ave, Richmond Hill	NY
Component Mfg. Service, Inc., 7	West Bridgewater	Mass
COMPONENTS FOR RESEARCH, INC., 1-3-5-7-9, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
Conductorlab, Inc., 3-5-6	Groton	Mass
Connecticut Hard Rubber Co., 2-3-7	407 East St, New Haven 9	Conn
Consolidated Productions, Inc., 8	3991 S.W. 12 Terr, Fort Lauderdale	Fla
CONTINENTAL-DIAMOND FIBRE CORP., 3-4-5-7, Adv. Pgs. 205-208	**Newark 100**	**Del**

Cortland Industries, Inc., 3-4-8-9	4545 Cortland St, Chicago 39	Ill
Cosmo Plastics Co., 7	3239 W. 14 St, Cleveland	Ohio
Cox Mfg. Co., 3-5-8	807 Fredericksburg Rd, San Antonio 1	Tex
Curry Arts, 3-4-5-8-9	522 Green Ridge St, Scranton 9	Pa
D & R Plastic Welders, Inc., 3-7	Hazardville	Conn
Dalmo Victor Co., Div., Textron, Inc., 4-9	1515 Industrial Way, Belmont	Cal
Darrill Products Corp., 3-6-7-8-9	107 Falmouth St, Attleboro	Mass
Dayton Rogers Mfg. Co., 8	2824 13 Ave S., Minneapolis 7	Minn
DeLandri Prec. Elements Co., Inc., 5	39 School St, Yonkers	NY
Dielectric Materials Co., 2	5315-17 N. Ravenswood, Chicago	Ill
DIMCO-GRAY CO., 7, Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Dixon Corp., 2-3-5-7-8	19-21 Burnside St, Bristol	RI
Donmar Products, Inc., 7	P.O. Box 8396, Denver 10	Colo
Dunwell Mfg. Corp., 7-9	159-161 Ft. Lee Rd, Teaneck	NJ
Dura Plastics of New York, Inc., 1-3-5-7-9	303 Fifth Ave, New York 16	NY
Duralith Corp., 3-4	1025 Race St, Phiadelphia 7	Pa
Dwyer Engineering Co., Inc., 3-4-6-7	Airport Rd, Nashua	NH
Eastem Jewel Corp., 2	Plainview	NY
Eby Co., Hugh H., 7-8	4701 Germantown Ave, Philadelphia 44	Pa
Eldema Corp., 7	1805 Belcroft Ave, El Monte	Cal
The Electric Autolite Co., 1-3-5-6-7-8	Champlain St, Toledo 1	Ohio
ELECTRICAL INSULATION CO., INC., 2-3-4-5-8, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Electronic Mechanics, Inc., 3-7	101 Clifton Blvd, Clifton	NJ
Electronic Service Corp., 1-3-7	2906 Birch St, Franklin Park	Ill
Electrovert, Inc., 2-7	124 E. 40 St, New York 17	NY
El-Tronics Inc., 7-8	20 S. 15th St, Philadelphia 2	Pa
Emeloid Co., Inc., 3-4-5-7-8-9	1239 Central Ave, Hillside 5	NJ
Emerson Plastics Corp., 1-2-3-4-5-6-7-9	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 2-3-4-5	Fellowship Rd, Rt. 73, Maple Shade	NJ
EPOXY PRODUCTS, INC., 7, Adv Pg 84	**137 Coit St, Irvington**	**NJ**
ERIE RESISTOR CORP., 7, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Ethylene Corp., 2-3-4-5-7	245 Broad St, Summit	NJ
Eugene Engineering Co., Inc., 3-5-8-9	1217 Hyde Park Ave, Hyde Park 36	Mass
Everard Tap & Die Corp., 5	213 E. 144th St, New York 51	NY
Excellent Electronics, Inc., 3-8	39-51 60th St, Woodside 77	NY
Export Corp., 9	13310 Foley, Detroit 27	Mich
Farley & Loetscher Mfg. Co., Plastics Div., 4	7th & White Sts, Dubuque	Iowa
Fisher & Crome, 3-4-5-8	107 N. Camac St, Philadelphia 7	Pa
Flexrock Co., 2-3-4-5-7	3608 Filbert St, Philadelphia 1	Pa
Forest City Products, Inc., 3-4-6-8	722 Bolivar Rd, Cleveland 15	Ohio
Forway Industries, Inc., 3-4-5-8	122 Green Ave, Woodbury	NJ
Fourjay Industries, 7-8	2360 W. Dorothy Ln, Dayton 39	Ohio
Franklin Fibre Lamitex Corp., 1-2-3-4-5-7-8-9	P.O. Box 1768, Wilmington	Del
Garde Mfg. Co., 7	53 John St, Cumberland	RI
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 2-3-5-7, Adv Pg 218	**Camden 1**	**NJ**
General American Transportation Corp., 2-4-7-9	135 S. La Salle St, Chicago 3	Ill
General Components Co., 1-2-3-4-5-6-7-8	225-229 E. 144th, New York 51	NY
General Gaskets, Inc., 8	Middletown	Conn
General Products Corp., 3-5-7	107 Salem St, Union Springs	NY
General Tire & Rubber Co., 2-4-7-9	Akron	Ohio
GEORGE PRODUCTS, INC., 3-5, Adv Pg 492	**104 Dorsa Ave, Livingston**	**NJ**
Gilbert Plastics, Inc., 7	4 Boright Ave, Kenilworth	NJ
Goodrich Industrial Products Co., B.F., 2-7	500 S. Main St, Akron 18	Ohio
GRAYHILL, INC., 7, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Gries Reproducer Corp., 7	151 Beechwood St, New Rochelle	NY
Halogen Insulator & Seal Corp., 2-5-7	9960 Pacific Ave, Franklin Park	Ill
Hampden Mfg. Co., Inc., 3-5-8	P.O. Box 89, Three Rivers	Mass
Hercules Powder Co., Inc., 3	900 Market St, Wilmington 99	Del
HYDRO MOLDING CO., INC., 7, Adv Pg 391	**Plattsburgh**	**NY**
Hysol Corp., 1	Olean	NY
INDUSTRIAL DEVICES, INC., 7, Adv Pg 558	**Edgewater 8**	**NJ**
INDUSTRIAL ELECTRONIC HARDWARE CORP., 3-4-7-8, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Industrial Engravers, Inc., 3	2212 McDonald Ave, Brooklyn 23	NY
Industrial Plastics Fabricators, Inc., 2-3-5-7	Endicott St, Norwood	Mass
Instrument Systems Corp., 3-5	129-07 18th Ave, College Point 56	NY
Insulating Fabricators, Inc., 3-4-6-7-8	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 2-3-4-5-7-8	565 W. Washington Blvd, Chicago 6	Ill
International Resistance Co., 4	401 N. Broad St, Philadelphia	Pa
J-B Electronics Inc., 7	2340 E. Elvira Rd, Tucson	Ariz
Jan Hardware Mfg. Co., Inc., 7	38-01 Queens Blvd, Long Island City 1	NY
Jandor, Inc., 3-5-8	428 Salem Ave, Dayton 6	Ohio
Joclin Mfg. Co., 1-2-3-4-5-7-8-9	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 1-2-3-5-7-8-9	36 Crescent St, Brooklyn 8	NY
Jones Electronics, Hiram, 3-5	2313 W. Olive Ave, Burbank	Cal
Keller Products Co., 4	41 Union St, Manchester	NH
Kerrco	Box 4178, Havelock Sta, Lincoln 7	Neb
Keystone Electronics Corp., 3-5-8	49 Bleecker St, New York 12	NY
Kirkhill Rubber Co., 2-3	300 E. Cypress, Brea	Cal
Koch & Sons, Inc., H., 3-4-5-7	Corte Madera	Cal
Kurz-Kasch, Inc., 7	1421 S. Broadway, Dayton 1	Ohio
Lab-Tronics, Inc., 7	3656 N. Lincoln, Chicago 13	Ill
Laminair, Inc., 4	18532 S. Broadway, Gardena	Cal
Laminated Sheet Prods, 1-2-3-4-5-6-8-9	449 Neponset St, P.O. Box 390, Norwood	Mass
Lamtex Industries Inc., 3-4-5-7-8-9	Motor Ave, Farmingdale	NY
Lancaster Glass Corp., 7	Lancaster 20	Ohio
Lansky Die Cutting Corp., 8-9	473 President St, Brooklyn 15	NY
Larson Mfg. Co., R.W., 7	Montville	NJ
LaVezzi Machine Works, 5	4635 W. Lake St, Chicago 44	Ill
Long, Inc., Thomas J., 3-5-8	215 Stonehinge Ln, Carle Place	NY
Long Sault Woodcraft, Ltd., 3-4-7	St. Andrews E., Quebec, Canada	
Luzerne Rubber Co., 3-5-7	P.O. Box 2191, Muirhead Ave, Trenton 7	NJ
McMillan Industrial Corp., 7	Brownville Ave Plant, Ipswich	Mass
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 8, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Mandex Mfg. Co., Inc., 8	2616 W. 48 St, Chicago	Ill
Marblette Corp., 1	37-21-30th St, Long Island City 1	NY
Mason, Shaver & Rhoades, Inc., 2-3-5-6-7	P.O. Box 551, Irwin	Pa
Metal Findings Corp., 8	152 W. 22nd St, New York 11	NY
Metaplast Co., Inc., 6	34-51 56th St, Woodside	NY
Metavac, Inc., 6	45-68 162 St, Flushing 58	NY
Mica Insulator, Div Minn Mining & Mfg. Co., 4-6	797 Broadway, Schenectady 1	NY
Midwest Molding & Mfg. Co., 3-7	Gurnee	Ill
Millen Mfg. Co., James, 1-7	150 Exchange St, Malden	Mass
Minnesota Mining & Mfg. Co., 2-3	900 Bush Ave, St. Paul 6	Minn
Molded Fiberglass Sheet Co., 3-7	4308 Benefit Ave, Ashtabula	Ohio
Molded Insulation Co., 3-4-5-7-8	335 E. Price St, Phila 44	Pa
Molding Corp of America, 3-5-7-8	42 Church St, Pawtucket	RI
Molex Products Co., 3-7-8	9515 Southview Ave, Brookfield	Ill
Monadnock Mills Div., United Carr, 2-7-8	1977 1st Ave, San Leandro	Cal
Monroe Industries, Inc., 3-5-7	932 36 St S.E., Grand Rapids 8	Mich
MYCALEX CORP OF AMERICA, 3-7, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Fabricators, Inc., 3-7-12	2650 W. Belden Ave, Chicago 47	Ill
NATIONAL RADIO CO., 4, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NATIONAL TEL-TRONICS CORP., 3-4-5-8, Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
National Vulcanized Fibre Co., 2-3-4-5-8	Box 311, Wilmington 99	Del
New England Tape Co., Div., United-Carr Fastener Corp., 2-3	10 Tower St, Hudson	Mass
NEW HERMES ENGRAVING MACHINE CO., 3-4, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Nichols Products Co., 3-5	323 W. Main St, Moorestown	NJ
Northern Plastics Corp., 3-4-5-6-8	Second & Market Sts, LaCrosse	Wisc
Northwest Plastics, Inc., 7	67 E. Plato Ave, St. Paul 7	Minn
Nyltite Corp of America, 2-7-8	282 Badger Ave, Newark 8	NJ
Oki & Willadsen, Ltd., 1-3-4-5-6-8-9	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Olympic Plastics Co., Inc., 7	3471 S. La Cienega, Los Angeles 16	Cal
Optical Coating Laboratory, Inc., 6	2789 Giffen Ave, Santa Rosa	Cal
Owens-Illinois Glass Co	P.O. Box 1035, Toledo 1	Ohio
Pacific Electricord Co., 7	3217 Exposition Pl, Los Angeles 18	Cal
Panduit Corp., 7	14461 Waverly, Middlothian	Ill
Panelyte Div., St. Regis Paper Co., 3-4-5-7-8	N. Enterprise Ave, Trenton 8	NJ
Pearce Simpson, Inc., 7	2295 N.W. 14th St, Miami 35	Fla
Peerless Products Industries, 3-5-8	812 N. Pulaski St, Chicago 51	Ill
Pelmor Laboratories, Inc., 5	401 Lafayette St, Newton	Pa
Penn Fibre & Specialty Co., 4-5-8	2020 E. Westmoreland St, Philadelphia 34	Pa
Pennsylvania Fluorocarbon Co., 2	1115 N. 38th St, Philadelphia 4	Pa
Permali, Inc., 3-4-5	P.O. Box 718E, Mt. Pleasant	Pa
Phalo Plastics Corp., 7	530 Boston Tmpk, Shrewsbury	Mass
Plasteck, Inc., 4-7	Box 551, Poteau	Okla
Plastronic Engineering Co., 1-7	721 Boston Post Rd, Marlborough	Mass
POLYMER CORP., 2-3-5-7-8, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Porter Co., Wm., 3-4-5-7	1007 Sante Fe Ave, Los Angeles	Cal
Precision Metal Products Co fo Malden, 3-5-8	41 Elm St, Stoneham 80	Mass
Precision Stampings, Inc., 3-5-8	142 Fulton Ave, New Hyde Park	NY
Printioid Inc., 1-2-3-4-5-8	10-04 44th Ave, Long Island City 1	NY
Protective Closures Co., Inc., Caplugs Div., 7	2207 Elmwood Ave, Buffalo 23	NY
Quality Components, Inc., 7	St. Marys	Pa
REF Mfg. Co., 3-4-7	Jericho Tmpk, Mineola	NY
Remler Co., 7	2101 Bryant St, San Francisco 10	Cal
Republic Rubber Div., Lee Rubber & Tire, 2-3-8	1412 Albert St, Youngstown	Ohio
Resistoflex Corp., 2-7	20 Woodland Rd, Roseland	NJ
RICHARDSON CO., THE, 3-4-5-7-8, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Robins Industries Corp., 7	36-27 Prince St, Flushing 54	NY
ROGAN BROTHERS, 7, Adv Pg 530	**8031 N. Monticello Ave, Skokie**	**Ill**
Romar Plastics Inc., 7	1311 E. Main St, St. Charles	Ill
Rosenberg Bros., 2	102 Landing Ave, Smithtown	NY
Ross Co., Milton, 3-4-5-6-7-9	239 Jacksonville Rd, Hatboro	Pa
Rostone Corp., 7	Rt. 52 S., Lafayette	Ind
Russell Gasket Co., 3-8	7424 Bessemer Ave, Cleveland 27	Ohio
Ryerson & Son, Inc., J.T., 4	2558 W. 16th St, Chicago 8	Ill
Sanford Plastics Corp., 2-3-5-7	New Brunswick & Charles Matawan	NJ
Schjeldahl Co., G.T., 3-4-5-8-9	P.O. Box 170, Northfield	Minn
Scientific-Atlanta, Inc., 1-3-7	2162 Piedmont Rd N.E., Atlanta 9	Ga
Sealectro Corp., 5	139 Hoyt Ave, Mamaroneck	NY
Shamban & Co., W.S., 2-3-4-5-7-8-9	11617 W. Jefferson Blvd, Culver City	Cal
Shawmut Engineering Co., 8	195 Freeport St, Boston	Mass
Sheffco Mfg. Corp., 8	323 Bergen Blvd, Fairview	NJ
Sierra Electric Corp., 3-7-9	15100 S. Figueroa St, Gardena	Cal
Silicone Insulation, Inc., 1-2-3-4-5-6-7-8-9	1385 Seabury Ave, Bronx 61	NY
Sillcocks-Miller Co., 2-3-4-6-7-8-9	Maplewood	NJ
Skydyne, Inc., 7	River Rd, Port Jervis	NY
Smith, Inc., Herman H., 3-5-7-8	2326 Nostrand Ave, Brooklyn 10	NY
Sparta Mfg. Co., 3-5-7	P.O. Box 107, Dover	Ohio
Spaulding Fibre Co., Inc., 3-4-5-8	310 Wheeler St, Tonawanda	NY
Stalwart Rubber Co., 7	160 Northfield Rd, Bedford	Ohio
Standard Plastics, Inc., 7	Fogelsville	Pa
Staver Co., Inc., 8	41 N. Saxon Ave, Bay Shore	NY
Stevens Products, Inc., 3-4-7	86-88 Main St, East Orange	NJ
Summit Industries, Inc., 4-6	2114 W. Rosecrans Ave, Gardena	Cal
Superior Carbon Products Co., 1-3-5	9115 George Ave, Cleveland 5	Ohio
Swenson Co., Inc., V.H., 7	552 Elm St, Kearny	NJ
Sylvania Electric Products Inc., Parts Div., 7	12 Second Ave, Warren	Pa
SYNTHANE CORP., 3-4-5-8, Adv Pg 35	**Oaks**	**Pa**
Taylor Fibre Co., 3-4-5-7-8	Norristown 51	Pa
TECHNOLOGY INSTRUMENT CORP., 1-7, Adv Pg 223	**533 Main St, Acton**	**Mass**
Technology Instrument Corp of Ariz., 7	1050 E. Valencia Rd, Tucson 2	Ariz
Templet Industries, 8	701 Atkins Ave, Brooklyn	NY
Thompson Fiber Glass Co., H.I., 4-5	1733 Cordova St, Los Angeles 7	Cal
Thor Ceramics, Inc., 3-5	225 Belleville Ave, Bloomfield	NJ
Tri-Dex Co., 3	P.O. Box 1207, Lindsay	Cal
Tri-Point Plastics, Inc., 2-3-5	175 E. U. Willets Rd, Albertson	NY
Tucson Instrument Corp., 1-5-8	P. O. Box 11247, Tucson 2	Ariz
UCINITE CO., DIV., UCC, 2-3-4-5-7-8, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Fabricators Electronics, Inc., 7	Stillwater	Minn
U.S. Dielectric Products, Inc., 1-3-5-7	98 Adams St, Leominster	Mass
U.S. Electronics Corp, 7	276 Warren St, Lyndhurst	NJ
U.S. Rubber Co., 2-4	1230 Ave of the Americas, New York 20	NY
Vichek Tool Co., 7-9	3001 E. 87 St, Cleveland 4	Ohio
Wade Electric Products Co., 7	400 Jacob St, Sturgis	Mich
Warren Components Div., El-Tronics, 7	S. Irvine St, Warren	Pa
Welsh Co., Inc., Wm H., 3	2241 Indiana Ave, Chicago	Ill
Western Coil & Electrical Co., 7-9	215 State St, Racine	Wisc
WESTINGHOUSE ELECTRIC CORP., 4-7, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
White Dental Mfg. Co., S.S., 7	10 E. 40 St, New York 16	NY
WHITSO, INC., 7, Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**
Wilmington Fibre Specialty Co., 8	New Castle 6	Del
Winder Aircraft Corp., 1-3-4-5-7-8	Dunnellon Air Base, Dunnellon	Fla
Wrought Washer Mfg. Co., 8	2264 S. Bay St, Milwaukee 7	Wisc
York Metal Products, Inc., 8	350 Greenwich St, New York 13	NY
Zenith Plastic Co., 2-3-4	P.O. Box 91, Gardena	Cal
ZIPPERTUBING CO., 3, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

PLASTICS —*FOAM*

Aries Laboratories, Inc	225 Greenwich Ave, Stamford	Conn

Armstrong Cork Co	Lancaster	Pa
Atlantic Research Corp	Shirley Hwy at Edsall Rd, Alexandria	Va
Auburn Mfg. Co., The	Pease Ave & Stack St, Middletown	Conn
Carolina Industrial Plastics Co	Mt. Airy	NC
Consolidated Productions, Inc	3991 S.W. 12 Terr, Fort Lauderdale	Fla
D & R Plastic Welders, Inc	Hazardville	Conn
Dow Chemical Co	Midland	Mich
Durez Plastics Div., Hooker Chemical	1921 Walck Rd, North Tonawanda	NY
Electrovert, Inc	124 E. 40 St, New York 17	NY
Emerson & Cuming, Inc	869 Washington St, Canton	Mass
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Forest City Products, Inc	722 Bolivar Rd, Cleveland 15	Ohio
General Tire & Rubber Co	Akron	Ohio
Goodrich, B.F. Sponge Products Div	1 W. Plant 4, Shelton	Conn
Jodee Plastics, Inc	36 Crescent St, Brooklyn 8	NY
Koch & Sons, Inc., H.	Corte Madera	Cal
Laminated Sheet Products Corp	449 Neponset St, P.O. Box 390, Norwood	Mass
Lamtex Industries Inc	Motor Ave, Farmingdale	NY
Long Sault Woodcraft, Ltd	St. Andrews E.,Quebec, Canada	
Marblette Corp	37-21-30th St, Long Island City 1	NY
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Mobay Chemical Co	Penn Lincoln Pkwy. W., Pittsburgh	Pa
Molded Insulation Co	335 E. Price St, Phila 44	Pa
New England Tape Co., Div., United-Carr Fastener Corp	10 Tower St, Hudson	Mass
Nopco Chemical Co., Plastics Div	175 Schuyler Ave, North Arlington	NJ
Plastics & Coal Chem Div., Allied Chem Corp	40 Rector St, New York 6	NY
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Schjeldahl Co., G.T.	P.O. Box 170, Northfield	Minn
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
Shamban & Co., W.S.	11617 W. Jefferson Blvd, Culver City	Cal
Silicone Insulation, Inc	1385 Seabury Ave, Bronx 61	NY
Standard Plastics, Inc	Fogelsville	Pa
Summit Industries, Inc	2114 W. Rosecrans Ave, Gardena	Cal
Thompson Fiber Glass Co., H.I.	1733 Cordova St, Los Angeles 7	Cal
Union Carbide Plastics Co., Div., UCC	270 Park Ave, New York 17	NY

PLASTICS —GRANULAR, LIQUID & POWDER

1. ALKYD POLYESTERS 2. ALLYLS 3. CELLULOSE ACETATE 4. CELLULOSE ACETATE BUTYRATE 5. CELLULOSE NITRATE 6. EPOXY RESINS 7. ETHYL CELLULOSE 8. FLUOROCARBONS (KEL-F & TEFLON) 9. MELAMINE FORMALDEHYDE 10. METHYL METHACRYLATE 11. NYLON 12. PHENOLICS 13. POLYESTERS 14. POLYETHYLENE 15. POLYSTYRENE 16. SILICONES 17. UREA FORMALDEHYDE 18. VINYLS

Acme Wire Co., 6-11-12-13-14-16	New Haven 14	Conn
ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., 8, Adv Pg 57	**40 Rector St, New York**	**NY**
American-Marietta Co., 6-9-12-17	3400 13 Ave, S.W., Seattle 4	Wash
American Molding Powder & Chem Corp., 14	703 Bedford Ave, Brooklyn 6	NY
Apex Coated Fabrics Co., 18	12 E. 22nd St, New York 10	NY
Aries Laboratories, Inc., 6	225 Greenwich Ave, Stamford	Conn
Armstrong Products Co., 6	P.O. Box 1-EB, Warsaw	Ind
Biwax Corp., 6	3445 Howard St, Skokie	Ill
Borden Chemical Co., Div., Borden Co., 6-10-12-13-14-15-17-18	350 Madison Ave, New York 17	NY
Cast Optics Corp., 2-10	123 Newman St, Hackensack	NJ
Catalin Corp of America, 9-10-11-12-14-15-17	1 Park Ave, New York 16	NY
Celanese Plastics Co., Div Celanese Corp America	744 Broad St, Newark 2	NJ
Chemical Development Corp., 3-5-6-10-15-18	Endicott St, Danvers	Mass
Chemical Products Corp., 18	King Philip Rd, East Providence	RI
Chemtronics Inc., 1-2-3-4-5-6-7-9-10-11-12-13-14-15-16-17-18	870 E. 52nd St, Brooklyn 3	NY
Ciba Products Corp., 6	Fair Lawn	NJ
Delta Chemical Works, 1-2-3-4-5-7-9-10-11-12-13-14-15-16-17-18	21 W. 60th St, New York	NY
Dow Chemical Co., 6-7-14-15-18	Midland	Mich
DOW CORNING CORP., 16, Adv. Pgs. 238, 239	**Midland**	**Mich**
du Pont de Nemours & Co., Inc., E.I., 3-5-8-10-11-14-18	Wilmington 98	Del
Durez Plastics Div., Hooker Chemical, 12-13	1921 Walck Rd, North Tonawanda	NY
Eagle-Picher Co., 14	American Bldg, Cincinnati 1	Ohio
Electronic Production & Development, Inc., 6	501 N. Prairie Ave, Hawthorne	Cal
Emerson & Cuming, Inc., 6-13-14-15	869 Washington St, Canton	Mass
EPOXY PRODUCTS, INC., 6, Adv Pg 84	**137 Coit St, Irvington**	**NJ**
Food Machy. & Chemi, Corp., Chem & Plas Div. 2-6	161 E. 42nd St, New York 17	NY
Furane Plastics, Inc., 6	4516 Brazil St, Los Angeles 39	Cal
General Electric Co., Silicone Prods Dept., 16	Dept A, Waterford	NY
General Plastics Corp., 8-11	P.O. Box 1689, Paterson	NJ
General Tire & Rubber Co., 13-18	Akron	Ohio
George Co., P.D., 1-6-11-12-13-18	5200 N. 2nd St, St. Louis	Mo
Gering Plastics, Div., Studebaker-Packard, 3-4-7-10-11-14-15-18	N. 7th at Monroe, Kenilworth	NJ
Goodyear Tire & Rubber Co., Chemical Div. 13-18	1144 E. Market St, Akron 16	Ohio
Green Rectifier Co., 6-13	1-10 30th St, Fair Lawn	NJ
Halogen Insulator & Seal Corp., 8	9960 Pacific Ave, Franklin Park	Ill
Hardman Co., Inc., H.V., 6	571 Cortlandt St, Belleville	NJ
Hastings Plastics, Inc., 6-12-13	1551 12th St, Santa Monica	Cal
Hercules Powder Co., Inc., 7-14	900 Market St, Wilmington 99	Del
Hysol Corp., 6	Olean	NY
Insulating Fabricators, Inc., 11-12-14-15-16-17	150 Union Ave, East Rutherford	NJ
Isochem Resins Co., 1-6-9-12-13-16	221 Oak St, Providence 9	RI
Keller Products Co., 13	41 Union St, Manchester	NH
Koppers Co., Inc., 14-15	Koppers Bldg, Pittsburgh 19	Pa
Liquid Nitrogen Processing Corp., 3-4-5-6-7-8-10-11-13-14-15-16-18	451 Booth St, Chester	Pa
Melpar, Inc., 6-13-16	3000 Arlington Blvd, Falls Church	Va
Mesa Plastics Co., 2	12270 Nebraska Ave, Los Angeles 25	Cal
Metachem Resins Corp., 6-13-16-18	530 Wellington Ave, Cranston 10	RI
Metal & Thermit Corp., 18	Rahway	NJ
Minnesota Mining & Mfg. Co., 6	900 Bush Ave, St. Paul 6	Minn
Minnesota Mng. & Mfg. Co., Chemical Div., 6-8-12	900 Bush Ave, St. Paul 6	Minn
Mitchell Rand Mfg. Corp., 6	51 Murray St, New York 7	NY
Monsanto Chemical Co., Plastics Div., 9-12-14-15-17-18	812 Monsanto Ave, Springfield	Mass
Narmco Materials Div., Sub., Telecomputing Corp., 6-13	600 Victoria St, Costa Mesa	Cal
National Engineering Products, Inc., 6	435 Washington Bldg, Washington 5	DC
Naugatuck Chemical Div of U.S. Rubber Co., 13-18	Naugatuck	Conn
Pacific Electricord Co., 18	3217 Exposition Pl, Los Angeles 18	Cal
Permacel Tape Corp., 3-4-5-6-12-13-14-15-16-17	U.S. Hwy 1, New Brunswick	NJ
Plastics & Coal Chemicals Div., Allied Chemical Corp., 1-9-11-12-13-14-17	40 Rector St, New York 6	NY
Plastronic Engineering Co., 6	721 Boston Post Rd, Marlborough	Mass
POLYMER CORP., 4-6-11-14-18, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Products Research Co., 6-16	3126 Los Feliz Blvd, Los Angeles 39	Cal
Reichhold Chemicals, Inc., 6-9-12-13-17	525 N. Broadway, White Plains	NY
Rosenberg Bros., 3	102 Landing Ave, Smithtown	NY
Ross Co., Milton, 6	239 Jacksonville Rd, Hatboro	Pa
Rubbercraft Corp of California, 16	1800 W. 220 St, Torrance	Cal
Sanford Plastics Corp., 8	New Brunswick & Charles Matawan	NJ
Schenectady Varnish Co., Inc., 1-6-12-13	Congress St & 10th Ave, Schenectady 3	NY
Schjeldahl Co., G.T., 13	P.O. Box 170, Northfield	Minn
Shamban & Co., W.S., 8-11-14	11617 W. Jefferson Blvd, Culver City	Cal
Shell Chemical Co., Plastics & Resins Div., 6	110 W. 51st St, New York 20	NY
Sierra Electric Corp., 1-12-15-17	15100 S. Figueroa St, Gardena	Cal
Silicones Div., UCC, 16	270 Park Ave, New York 17	NY
Smooth-On Mfg. Co., 6	572 Communipaw Ave, Jersey City 4	NJ
Sterling Varnish Co., 6-13	Haysville Borough, Sewickley	Pa
Technicraft Co., 13-18	1156 Commonwealth Ave, Boston 34	Mass
Thor Ceramics, Inc., 6	225 Belleville Ave, Bloomfield	NJ
Topper Mfg. Co., Inc., 2-6-8	84-56 Parsons Blvd, Jamaica 32	NY
U B S Chemical Co., Div., A.E. Staley, 15	491 Main St, Cambridge	Mass
Union Carbide Plastics Co., Div., UCC, 6-12-14-15-18	270 Park Ave, New York 17	NY
U.S. Rubber Co., 6-13-14-18	1230 Ave of the Americas, New York 20	NY

PLASTICS —MOLDING MACHINES See MACHINES —PLASTICS-MOLDING

PLASTICS —ROD & TUBING

1. ALKYD POLYESTERS 2. ALLYLS 3. CELLULOSE ACETATE 4. CELLULOSE ACETATE BUTYRATE 5. CELLULOSE NITRATE 6. EPOXY RESINS 7. ETHYL CELLULOSE 8. FLUOROCARBONS (KEL-F & TEFLON) 9. MELAMINE FORMALDEHYDE 10. METHYL METHACRYLATE 11. NYLON 12. PHENOLICS 13. POLYETHYLENE 14. POLYSTRENE 15. REINFORCED 16. SILICONES 17. UREA FORMALDEHYDE 18. VINYLS

Ace Plastic Co., 3-4-7-10-11-12-13-14-18	91-54 Van Wyck Expwy, Jamaica 35	NJ
Acme Wire Co., 6-11-12-13-16	New Haven 14	Conn
Actioncraft Products, 18	2 Yennicock Ave, Port Washington	NY
Aero-Marine Development Corp., 8	110 Summit Ave, Chatham	NJ
Allegheny Plastics, Inc., 8-10-11-15	Rt. 51, Thorn Run Rd, Coraopolis	Pa
ALPHA WIRE CORP., 18, Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Cyanamid Co., 2-9-17	30 Rockefeller Plaza, New York 20	NY
American Mica Insulation Co., 11-12-13-14-18	235 Parker Ave, Manasquan	NJ
AMERICAN SUPER-TEMPERATURE WIRES, INC., 8, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Anchor Indl Co., Div., Anchor Plastics Co., Inc., 3-4-7-10-11-13-14	36-36 36 St, Long Island City 6	NY
Aries Laboratories, Inc., 6	225 Greenwich Ave, Stamford	Conn
Arlin Mfg. Co., 11-13-18	12 Perkins St, Lowell	Mass
Atkins & Merrill, Inc., 15	49 Post Rd, South Sudbury	Mass
Atlas Fiber Co., 6-8-12	6970 N. Central Park Ave, Chicago 45	Ill
Auburn Plastics, Inc., 4-7-10-11-13-14-18	Auburn	NY
Austin Industries, Inc., 13	133 E. Main St, Marlboro	Mass
Bacon Industries, Inc., 6	192 Pleasant St, Watertown 72	Mass
Barwood Mfg. Co., Inc., L. J., 11	22 Williams St, Everett 49	Mass
Bentley-Harris Mfg. Co., 15-16-18	Conshohocken 13	Pa
BIRNBACH RADIO CO., INC., 8-16-18, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bonny Mfg. Corp., 8	146 Main St, Maynard	Mass
Borden Chemical Co., Div., Borden Co., 18	350 Madison Ave, New York 17	NY
Brand William-Rex Div., 4-13-14-18	31 Sudbury Rd, Concord	Mass
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
Carolina Industrial Plastics Co., 18	Mt. Airy	NC
Cast Optics Corp., 2-10	123 Newman St, Hackensack	NJ
Chemo Products, Inc., 8	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 8-11	3 Central Ave, East Newark	NJ
Cleveland Container Co., 12	6201 Barberton Ave, Cleveland 2	Ohio
Columbia Products Co., 6-15	RFD 3, Columbia	SC
Commercial Plastics Co., 3-4-7-10-11-13-14-18	945 George St, Chicago 14	Ill
Connecticut Hard Rubber Co., 16	407 East St, New Haven 9	Conn
CONTINENTAL-DIAMOND FIBRE CORP., 6-8-9-12-15-16, Adv. Pgs. 205-208	**Newark 100**	**Del**
Crane Packing Co., 8	6402 Oakton St, Morton Grove	Ill
Crystal-X Corp., 2-3-4-5-6-7-8-9-10-12-13-14-17-18	403 Lenni Rd, Lenni Mills	Pa
Dielectric Materials Co., 13-18	5315-17 N. Ravenswood, Chicago	Ill
Dixon Corp., 8	19-21 Burnside St, Bristol	RI
Driver-Harris Co., 8	202 Middlesex St, Harrison 13	NJ
Dura Plastics of New York, Inc., 3-4-8-10-11-14-18	303 Fifth Ave, New York 16	NY
ELECTRICAL INSULATION CO., INC., 6-8-9-10-11-12-13-14-16-18, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Electronic Mechanics, Inc., 8	101 Clifton Blvd, Clifton	NJ
Electronic Service Corp., 6-14	2906 Birch St, Franklin Park	Ill
El-Tronics Inc., 1-6-12	20 S. 15th St, Philadelphia 2	Pa
Emerson & Cuming, Inc., 6	869 Washington St, Canton	Mass
Emerson Plastics Corp., 8-11-12-15-16	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 8-11-13	Fellowship Rd, Rt. 73, Maple Shade	NJ
Ethylene Corp., 8	245 Broad St, Summit	NJ
Flexrock Co., 8	3608 Filbert St, Philadelphia 1	Pa
Fluorulon Laboratories, 8-11	Box 305, Caldwell	NJ
Formica Corp., 6-9	4587 Spring Grove, Cincinnati 32	Ohio
Franklin Fibre Lamitex Corp., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-18	P.O. Box 1768, Wilmington	Del
Furane Plastics, Inc., 6	4516 Brazil St, Los Angeles 39	Cal
GARLOCK ELECTRONIC PRODUCTS, GARLOCK INC., 8-11-13-14, Adv Pg 218	**Camden 1**	**NJ**
General American Transportation Corp., 18	135 S. La Salle St, Chicago 3	Ill
General Electric Co., Laminated Products Dept., 6-9-12	Coshocton	Ohio
General Tire & Rubber Co., 18	Akron	Ohio
Gering Plastics, Div., Studebaker-Packard, 3-4-7-13-14-18	N. 7th at Monroe, Kenilworth	NJ
Goodrich Industrial Products Co., B.F., 18	500 S. Main St, Akron 18	Ohio
Green Rectifier Co., 6	1-10 30th St, Fair Lawn	NJ
Halogen Insulator & Seal Corp., 8-11	9960 Pacific Ave, Franklin Park	Ill
Haveg Industries, Inc., 8	900 Greenbank Rd, Wilmington 8	Del

Hermes Plastics, Inc., 10	154 W. 14th St, New York 11	NY
Hysol Corp., 6	Olean	NY
Illumitronic Engineering, 1-2-8-10-11-12-13-14-15-18	680 E. Taylor, Sunnyvale	Cal
Industrial Plastics Fabricators, Inc., 11-13-18	Endicott St, Norwood	Mass
Inso Electronic Products, Inc., 8	1200 Commerce Ave, Union	NJ
Insulating Fabricators, Inc., 6-8-9-10-11-12-13-14-16	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 8-9-11-12-16-18	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg.Corp., 16	Stirling	NJ
Joclin Mfg. Co., 8	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 3-4-5-7-10-13-14-18	36 Crescent St, Brooklyn 8	NY
Johns-Manville, 8-16	22 E. 40 St, New York 16	NY
Judd Wire Mfg. Corp., 13-18	22 Ave A, Turners Falls	Mass
Kirkhill Rubber Co., 4-10-13-14-16-18	300 E. Cypress, Brea	Cal
Laminated Sheet Products Corp., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18	449 Neponset St, P.O. Box 390, Norwood	Mass
Lamtex Industries Inc., 1-6-12-13-15	Motor Ave, Farmingdale	NY
Long, Inc., Thomas J., 8-9-10-11-12-13-14-16-18	215 Stonehinge Ln, Carle Place	NY
A.D. Mackay, Inc., 13-14	198 Broadway, New York 38	NY
Marblette Corp., 6-12	37-21 - 30th St, Long Island City 1	NY
MARKEL & SONS, L. FRANK, 8-11-13-16-18, Adv Pg 565	**School House Ln, Norristown**	**Pa**
Mesa Plastics Co., 2	12270 Nebraska Ave, Los Angeles 25	Cal
Metachem Resins Corp., 6	530 Wellington Ave, Cranston 10	RI
Mica Fabricating Co., 12	53 Central Ave, Rochelle Park	NJ
Mica Insulator, Div Minn Mining & Mfg. Co., 11-12	797 Broadway, Schenectady 1	NY
Minnesota Mining & Mfg. Co., 8-13-15-16-18	900 Bush Ave, St. Paul 6	Minn
Minor Rubber Co., Inc., 8-11-16	49 Ackerman St, Bloomfield	NJ
Moxness Products, Inc., 16	1916 Indiana St, Racine	Wisc
Murray Plastics Co., 9-12-15-16	River Rd, New Hamburg	NY
National Vulcanized Fibre Co., 6-9-11-12-15-16	Box 311, Wilmington 99	Del
NATVAR CORP., 13-18, Adv Pg 501	**Woodbridge**	**NJ**
New England Tape Co., Div., United-Carr Fastener Corp., 3-4-10-11-13-14-18	10 Tower St, Hudson	Mass
NEW HERMES ENGRAVING MACHINE CO., 12, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
New Jersey Wood Finishing Co., 13-18	Amboy Ave, Woodbridge	NJ
Nyltite Corp of America, 3-4-8-11-13-14-18	282 Badger Ave, Newark 8	NJ
Oki & Willadsen, Ltd., 2-3-4-6-7-8-9-10-11-12-13-14-15-16-17-18	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Panelyte Div., St. Regis Paper Co., 6-9-11-12-13-16	N. Enterprise Ave, Trenton 8	NJ
Penn Fibre & Specialty Co., 12	2020 E. Westmoreland St, Philadelphia 34	Pa
Pennsylvania Fluorocarbon Co., 8	1115 N. 38th St, Philadelphia 4	Pa
Permali, Inc., 12-15	P.O. Box 718E, Mt. Pleasant	Pa
POLYMER CORP., 8-11-14, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Porter Co., Wm., 1-6-9-15-16	1007 Sante Fe Ave, Los Angeles	Cal
PRECISION PAPER TUBE CO., 3-4-7-12-14, Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
Printloid Inc., 3-4-10-18	10-04 44th Ave, Long Island City 1	NY
Raybestos-Manhattan, Inc., 16	61 Willett St, Passaic	NJ
Rayclad Tubes, Inc., 8-13-15-16	Oakside at Northside, Redwood City	Cal
RESDEL CORP., 1-6, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Resinite Dept., Borden Chemical Co., 18	P.O. Box 430, Compton	Cal
Resistoflex Corp., 8	20 Woodland Rd, Roseland	NJ
RICHARDSON CO., THE, 6-9-11-12, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Rome Cable Div of Alcoa, 18	Ridge St, Rome	NY
Rosenberg Bros., 3-18	102 Landing Ave, Smithtown	NY
Ross Co., Milton, 1-6-9-12	239 Jacksonville Rd, Hatboro	Pa
Rubbercraft Corp of California, 16	1800 W. 220 St, Torrance	Cal
Ryerson & Son, Inc., J.T., 12	2558 W. 16th St, Chicago 8	Ill
Sanford Plastics Corp., 8	New Brunswick & Charles Matawan	NJ
Sealectro Corp., 8	139 Hoyt Ave, Mamaroneck	NY
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 3	2201 Bay Rd, Redwood City	Cal
Shamban & Co., W.S., 8-11-13	11617 W. Jefferson Blvd, Culver City	Cal
Sierra Electric Corp., 13-17	15100 S. Fiegueroa St, Gardena	Cal
Sparta Mfg. Co., 8	P.O. Box 107, Dover	Ohio
Spaulding Fibre Co., Inc., 11-12-15	310 Wheeler St, Tonawanda	NY
Stevens Products, Inc., 6-9-12-16	86-88 Main St, East Orange	NJ
Stone Paper Tube Co., Div., Stone Straw Corp., 3-6-12	900 Franklin St, N.E., Washington 17	DC
SURPRENANT MFG. CO., 8-11-13-16-18, Adv Pg 161	**Clinton**	**Mass**
SYNTHANE CORP., 6-9-11-12-15-16, Adv Pg 35	**Oaks**	**Pa**
Taylor Fibre Co., 6-9-12-15-16	Norristown 51	Pa
Thermal Wire of America, 8	Keeler's Bay, South Hero	Vt
THERMAX WIRE CORP., 8, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Thor Ceramics, Inc., 6	225 Belleville Ave, Bloomfield	NJ
Tingstol Co., 6-12-16	1340 W. Fullerton, Chicago 14	Ill
Titeflex, Inc., 8-15	534 Hendee St, Springfield	Mass
Tri-Point Plastics, Inc., 8	175 E. U. Willets Rd, Albertson	NY
U.S. Dielectric Products, Inc., 15	98 Adams St, Leominster	Mass
U.S. Rubber Co., 18	1230 Ave of the Americas, New York 20	NY
VARFLEX CORP., 13-18, Adv Pg 146	**506 W. Court St, Rome**	**NY**
Waterbury Companies, Inc., 11-12-13	Waterbury 20	Conn
WESTINGHOUSE ELECTRIC CORP., 6-9-12-13-15-16, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westlake Plastics Co., 3-4-7-8-9-10-11-12-13-14-16	133 W. Lenni Rd, Lenni Mills	Pa
Wilmington Fibre Specialty Co., 12	New Castle 6	Del
ZIPPERTUBING CO., 8-11-13-15-16-18, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

PLASTICS —*SHEET & LAMINATE 1. EPOXY RESINS 2. FLUOROCARBONS (KEL-F & TEFLON) 3. MELAMINE FORMALDEHYDE 4. PHENOLICS 5. SILICONES See Also* LAMINATES —*COPPER-CLAD PRINTED-CIRCUIT*

Ace Plastic Co., 4	91-54 Van Wyck Expwy, Jamaica 35	NY
Acme Wire Co., 1-4	New Haven 14	Conn
Aero-Marine Development Corp., 2	110 Summit Ave, Chatham	NJ
Allegheny Plastics, Inc., 2	Rt. 51, Thorn Run Rd, Coraopolis	Pa
American Mica Insulation Co., 2-3-4-5	235 Parker Ave, Manasquan	NJ
Amflex Products Dept., Amer Mach & Fdry. Co., 2-5	689 Hope St, Springdale	Conn
Atkins & Merrill, Inc., 1-4	49 Post Rd, South Sudbury	Mass
Auburn Mfg. Co., The, 2-4-5	Pease Ave & Stack St, Middletown	Conn
Bomyte Co., The, 1-3-4-5	Green St, Silverdale	Pa
Bonny Mfg. Corp., 2	146 Main St, Maynard	Mass
Booker & Walestad, Inc., 2	3336 Gorham Ave, Minneapolis 26	Minn
Carmer Industries, Inc	22 N. 26 St, Kenilworth	NJ
Chemo Products, Inc., 2	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 2	3 Central Ave, East Newark	NJ
Connecticut Hard Rubber Co., 5	407 East St, New Haven 9	Conn
CONTINENTAL- DIAMOND FIBRE CORP., 1-2-3-4-5, Adv. Pgs. 205-208	**Newark 100**	**Del**
Crane Packing Co., 2	6402 Oakton St, Morton Grove	Ill
Dilectrix Corp., 2	Allen Blvd/Grand, Farmingdale	NY
Dixon Corp., 2	19-21 Burnside St, Bristol	RI
Dow Chemical Co., 1	Midland	Mich
du Pont de Nemours & Co., Inc., E.I., 2	Wilmington 98	Del
Dura Plastics of New York, Inc., 2	303 Fifth Ave, New York 16	NY
ELECTRICAL INSULATION CO., INC., 1-2-3-4-5, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Electronic Mechanics, Inc., 2	101 Clifton Blvd, Clifton	NJ
Electronic Production & Development, Inc., 1	501 N. Prairie Ave, Hawthorne	Cal
Emerson & Cuming, Inc., 1	869 Washington St, Canton	Mass
Emerson Plastics Corp., 2-5	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 2	Fellowship Rd, Rt. 73, Maple Shade	NJ
Ethylene Corp., 2	245 Broad St, Summit	NJ
Excellent Electronics, Inc., 4	39-51 60th St, Woodside 77	NY
Farley & Loetscher Mfg. Co., Plastics Div., 3-4	7th & White Sts, Dubuque	Iowa
Flexrock Co., 2	3608 Filbert St, Philadelphia 1	Pa
Fluorulon Laboratories, 2	Box 305, Caldwell	NJ
Formica Corp., 1-3-4-5	4587 Spring Grove, Cincinnati 32	Ohio
Franklin Fibre Lamitex Corp., 1-2-3-4-5	P.O. Box 1768, Wilmington	Del
Furane Plastics, Inc., 1	4516 Brazil St, Los Angeles 39	Cal
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 2, Adv Pg 218	**Camden 1**	**NJ**
General Electric Co., Laminated Products Dept., 1-3-4-5	Coshocton	Ohio
Halogen Insulator & Seal Corp., 2	9960 Pacific Ave, Franklin Park	Ill
Haveg Industries, Inc., 2	900 Greenbank Rd, Wilmington 8	Del
Hermes Plastics, Inc., 4	154 W. 14th St, New York 11	NY
Hysol Corp., 1	Olean	NY
Illumitronic Engineering, 1-2-3-4-5	680 E. Taylor, Sunnyvale	Cal
Insulating Fabricators, Inc., 1-2-3-4-5	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 1-2-3-4-5	565 W. Washington Blvd, Chicago 6	Ill
International Resistance Co., 2	401 N. Broad St, Philadelphia	Pa
Isochem Resins Co., 1	221 Oak St, Providence 9	RI
Isolantite Mfg.Corp., 5	Stirling	NJ
Joclin Mfg. Co., 2-4-5	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 2-5	22 E. 40 St, New York 16	NY
Laminated Sheet Products Corp., 1-2-3-4-5	449 Neponset St, P.O. Box 390, Norwood	Mass
Lam-Ply Inc., 1	Railroad Sq, Nashua 5	NH
Long, Inc., Thomas J., 1-2-3-4-5	215 Stonehinge Ln, Carle Place	NY
Long Sault Woodcraft, Ltd., 1	St. Andrews E., Quebec, Canada	
McMillan Industrial Corp., 1-5	Brownville Ave Plant, Ipswich	Mass
Marblette Corp., 1-4	37-21-30th St, Long Island City 1	NY
Mica Corp., 1	4031 Elenda, Culver City	Cal
Mica Fabricating Co., 4	53 Central Ave, Rochelle Park	NJ
Mica Insulator, Div Minn Mng. & Mfg. Co., 1-2-3-4-5	797 Broadway, Schenectady 1	NY
Minnesota Mining & Mfg. Co., 1-2-5	900 Bush Ave, St. Paul 6	Minn
Minnesota Mining & Mfg. Co., Chemical Div., 2	900 Bush Ave, St. Paul 6	Minn
Minor Rubber Co., Inc., 5	49 Ackerman St, Bloomfield	NJ
Moxness Products, Inc., 2-5	1916 Indiana St, Racine	Wisc
Murray Plastics Co., 4-5	River Rd, New Hamburg	NY
National Vulcanized Fibre Co., 1-3-4-5	Box 311, Wilmington 99	Del
NATVAR CORP., 5, Adv Pg 501	**Woodbridge**	**NJ**
NEW ENGLAND LAMINATES CO., INC., 1-4, Adv Pg 298	**481 Canal St, Stamford**	**Conn**
NEW HERMES ENGRAVING MACHINE CO., 4, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Northern Plastics Corp., 1-3-4	Second & Market Sts, LaCrosse	Wisc
Oki & Willadsen, Ltd., 1-2-3-4-5	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Panelyte Div., St. Regis Paper Co., 1-2-3-4-5	N. Enterprise Ave, Trenton 8	NJ
Penn Fibre & Specialty Co., 4	2020 E. Westmoreland St, Philadelphia 34	Pa
Permacel Tape Corp., 5	U.S. Hwy 1, New Brunswick	NJ
Permali, Inc., 4	P.O. Box 718E, Mt. Pleasant	Pa
POLYMER CORP., 2, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Porter Co., Wm., 1-3-5	1007 Sante Fe Ave, Los Angeles	Cal
REF Mfg. Co., 1	Jericho Trnpk, Mineola	NY
RESDEL CORP., 1, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Resistoflex Corp., 2	20 Woodland Rd, Roseland	NJ
RICHARDSON CO., THE, 1-3-4, Adv Pg 124	**2767 Lake St, Melrose Park**	**Ill**
Ross Co., Milton, 1-3-4-5	239 Jacksonville Rd, Hatboro	Pa
Ryerson & Son, Inc., J.T., 4	2558 W. 16th St, Chicago 8	Ill
Sanford Plastics Corp., 2	New Brunswick & Charles Matawan	NJ
Shamban & Co., W.S., 1-2	11617 W. Jefferson Blvd, Culver City	Cal
Silicone Insulation, Inc., 1-2-3-4-5	1385 Seabury Ave, Bronx 61	NY
Sillcocks-Miller Co., 2-4	Maplewood	NJ
Sparta Mfg. Co., 2	P.O. Box 107, Dover	Ohio
Spaulding Fibre Co., Inc., 1-3-4	310 Wheeler St, Tonawanda	NY
Stevens Products, Inc., 1-3-4-5	86-88 Main St, East Orange	NJ
SYNTHANE CORP., 1-3-4-5, Adv Pg 35	**Oaks**	**Pa**
Taylor Fibre Co., 1-3-4-5	Norristown 51	Pa
Thor Ceramics, Inc., 1	225 Belleville Ave, Bloomfield	NJ
Tingstol Co., 1-4-5	1340 W. Fullerton, Chicago 14	Ill
Tri-Point Plastics, Inc., 2	175 E. U. Willets Rd, Albertson	NY
U.S. Rubber Co., 1	1230 Ave of the Americas, New York 20	NY
Western Felt Works, 1-2-5	4029 Ogden Ave, Chicago	Ill
WESTINGHOUSE ELECTRIC CORP., 1-3-4-5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westlake Plastics Co., 2-5	133 W. Lenni Rd, Lenni Mills	Pa
Wilmington Fibre Specialty Co., 4	New Castle 6	Del
ZIPPERTUBING CO., 2, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

PLASTIC TAPE *See* TAPES —*GENERAL PURPOSE*
PLATED CIRCUITS *See* CIRCUITS —*PRINTED WIRING, CUSTOM SERVICE*
PLATES —*CRYSTAL See* CRYSTAL BLANKS

PLATES —*METAL OR PLASTIC 1. INSTRUCTION 2. NAME 3. UNPRINTED*

Acromark Co., The, 1-2	323 Morrell St, Elizabeth 4	NJ
Actioncraft Products, 2	2 Yennicock Ave, Port Washington	NY
Allegheny Plastics, Inc., 1-2	Rt. 51, Thorn Run Rd, Coraopolis	Pa
Allied Circuit Techniques, Ltd., 1-2	29 Brook St N., Oakville, Ontario, Canada	
Allied Engraving & Stamping Co., 1-2	701 Seneca St, Buffalo 10	NY
Alpitec Inc., 3	49 Gleason Ave, Stamford	Conn
Apahouser Corp., 1-2-3	1312 Boylston St, Boston	Mass

Bellandi Co., Inc., M., 2	7508 W. Grand Ave, Elmwood Park	Ill
Belmar Wheel & Machine Co., 3	1707 F St, Belmar	NJ
Bodnar Industries, Inc., 1-2	238 Huguenot St, New Rochelle	NY
Bolling Industries, Inc., 1-2	330 E. Locust St, Scranton 2	Pa
Canadian Radium & Uranium Corp., 1-2-3	630 Fifth Ave, New York 20	NY
Carroll Pressed Metal, Inc., 3	133 Dewey St, Worcester	Mass
Cast Optics Corp., 1-2-3	123 Newman St, Hackensack	NJ
Chicago Thrift-Etching Corp., 1-2	1557 N. Sheffield Ave, Chicago	Ill
Cleveland Metal Specialties Co., 2	1783 East 21st St, Cleveland 14	Ohio
CONTINENTAL-DIAMOND FIBRE CORP., 2, Adv. Pgs. 205-208	**Newark 100**	**Del**
Cortland Industries, Inc., 1-2-3	4545 Cortland St, Chicago 39	Ill
Croname, Inc., 1-2	6247 Howard St, Chicago 48	Ill
Crystal-X Corp., 1-2	403 Lenni Rd, Lenni Mills	Pa
Curry Arts, 2-3	522 Green Ridge St, Scranton 9	Pa
Dietz Co., Inc., Henry G., 1-2	12-16 Astoria Blvd, Long Island City 2	NY
Dry Screen Process, Inc., 1-2	1016 Madison Ave, Pittsburgh 12	Pa
Dura Plastics of New York, Inc., 1-2-3	303 Fifth Ave, New York 16	NY
Duralith Corp., 1-2-3	1025 Race St, Phiadelphia 7	Pa
The Electric Autolite Co., 1-2-3	Champlain St, Toledo 1	Ohio
Electro-Chemical Engraving Co., 1-2	1100 Brook Ave, New York 56	NY
Electronic Mechanics, Inc., 3	101 Clifton Blvd, Clifton	NJ
Emeloid Co., Inc., 1-2-3	1239 Central Ave, Hillside 5	NJ
Emerson Plastics Corp., 1-2	1838 Seabury Ave, Bronx 61	NY
Fisher & Crome, 1-2	107 N. Camac St, Philadelphia 7	Pa
Forest City Products, Inc., 1-2-3	722 Bolivar Rd, Cleveland 15	Ohio
Franklin Fibre Lamitex Corp., 2	P.O. Box 1768, Wilmington	Del
HALLMARK NAMEPLATE INC., 2, Adv Pg 543	**19A Gazza Blvd, Farmingdale**	**NY**
Heller Roberts Mfg. Corp., 2-3	700 Jamaica Ave, Brooklyn 8	NY
Hermes Plastics, Inc., 1-2-3	154 W. 14th St, New York 11	NY
Hermes Sonic Corp., 2	13-19 University Pl, New York 3	NY
I.E. Manufacturing, 3	325 N. Hoyne Ave, Chicago 12	Ill
Insulating Fabricators, Inc., 1-2-3	150 Union Ave, East Rutherford	NJ
Jodee Plastics, Inc., 1-2-3	36 Crescent St, Brooklyn 8	NY
Kerrco, 2	Box 4178, Havelock Sta, Lincoln 7	Neb
Klann Organ Supply Co., 2	P.O. Box 2398, Waynesboro	Va
KRENGEL MFG. CO., INC., 2, Adv Pg 491	**227 Fulton St, New York 7**	**NY**
Laminated Sheet Products Corp., 1-2-3	449 Neponset St, P.O. Box 390, Norwood	Mass
Matthews & Co., James H., 1-2-3	3821 Forbes Ave, Pittsburgh 13	Pa
Mayer Co., George J., 1-2-3	546 E. Market St, Indianapolis	Ind
Metalphoto of Cincinnati, 1-2	7 E. 75 St, Cincinnati	Ohio
Mica Insulator, Div Minnesota Mng. & Mfg. Co., 1-2	797 Broadway, Schenectady 1	NY
Monroe Industries, Inc., 1-2-3	932 36 St S.E., Grand Rapids 8	Mich
Oki & Willadsen, Ltd., 1-2-3	47 Crockford Blvd, Toronto 16, Ontario,	Canada
Park Nameplate Co., Inc., 1-2	34-10 Linden Pl, Flushing 54	NY
Printloid Inc., 1-2-3	10-04 44th Ave, Long Island City 1	NY
Q-Circuits Div., Etching Co of California, 1-2	1208 Howard St, San Francisco 3	Cal
Rimak, Inc., 1-2-3	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 1-2-3	239 Jacksonville Rd, Hatboro	Pa
Sierra Electric Corp., 1-2-3	15100 S. Figueroa St, Gardena	Cal
Sillcocks-Miller Co., 1-2-3	Maplewood	NJ
Supreme Process Corp., 1-2-3	44 Bond St, Westbury	NY
Swenson Co., Inc., V.H., 2	552 Elm St, Kearny	NJ
SYNTHANE CORP., 2-3, Adv Pg 35	**Oaks**	**Pa**
Technology Instrument Corp of Ariz., 2	1050 E. Valencia Rd, Tucson 2	Ariz
Unisco, Inc., 1-2	1061 Linden Ave, Ridgefield	NJ
U.S. RADIUM CORP., 1-2, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Waldom Electronics, Inc., 2	4621 W. 53rd St, Chicago 32	Ill
Westlake Plastics Co., 1-2	133 W. Lenni Rd, Lenni Mills	Pa

PLATES —*SILK SCREEN* See SCREENS

PLATES —*TRANSLUCENT PLASTIC, FOR LAMPS*

ACKERMAN ENGRAVERS, INC., Adv Pg 551	**458 Broadway, New York**	**NY**
Apahouser Corp	1312 Boylston St, Boston	Mass
Bodnar Industries, Inc	238 Huguenot St, New Rochelle	NY
Bolling Industries, Inc	330 E. Locust St, Scranton 2	Pa
Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
Cast Optics Corp	123 Newman St, Hackensack	NJ
Cortland Industries, Inc	4545 Cortland St, Chicago 39	Ill
Curry Arts	522 Green Ridge St, Scranton 9	Pa
Darrill Products Corp	107 Falmouth St, Attleboro	Mass
Dura Plastics of New York, Inc	303 Fifth Ave, New York 16	NY
Duralith Corp	1025 Race St, Phiadelphia 7	Pa
Emeloid Co., Inc	1239 Central Ave, Hillside 5	NJ
Fisher & Crome	107 N. Camac St, Philadelphia 7	Pa
Franklin Fibre Lamitex Corp	P.O. Box 1768, Wilmington	Del
General Components Co	225-229 E. 144th, New York 51	NY
Hermes Plastics, Inc	154 W. 14th St, New York 11	NY
Insulating Fabricators, Inc	150 Union Ave, East Rutherford	NJ
Jodee Plastics, Inc	36 Crescent St, Brooklyn 8	NY
Laminated Sheet Products Corp	449 Neponset St, P.O. Box 390, Norwood	Mass
Mica Insulator, Div of Minnesota Mining & Mfg. Co	797 Broadway, Schenectady 1	NY
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Monroe Industries, Inc	932 36 St S.E., Grand Rapids 8	Mich
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario,	Canada
Plasteck, Inc	Box 551, Poteau	Okla
Printloid Inc	10-04 44th Ave, Long Island City 1	NY
Sillcocks-Miller Co	Maplewood	NJ
Supreme Process Corp	44 Bond St, Westbury	NY
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
Unisco, Inc	1061 Linden Ave, Ridgefield	NJ
Westlake Plastics Co	133 W. Lenni Rd, Lenni Mills	Pa

PLATFORMS —*INERTIAL GUIDANCE*

Autonetics, Div., North American Aviation, Inc	9150 E. Imperial Hwy, Downey	Cal
Electronic Mechanics, Inc	101 Clifton Blvd, Clifton	NJ
General Electric Co., Light Military Electronics Dept	French Rd, Utica	NY
General Electric Co., Ordnance Dept	100 Plastics Ave, Pittsfield	Mass
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Supreme Process Corp	44 Bond St, Westbury	NY

PLATING ANODES See ANODES
PLATING CHEMICALS See CHEMICALS —*PLATING*
PLATING MACHINES See MACHINES —*PLATING*

PLATING SERVICES

1. BARREL 2. CHEMICAL 3. COMMON METALS 4. ELECTROPLATING-METALLIZING: See METALLIZING *5. METALS ON PLASTIC 6. PRECIOUS METALS*

Allied Circuit Techniques, Ltd., 2-4-5-6	29 Brook St N., Oakville, Ontario, Canada	
Allied Record Mfg. Co., 3-5-6	6916 Santa Monica Blvd, Hollywood	Cal
Allied Research Products, Inc., 1-2-3-4	4004 E. Monument St, Baltimore 5	Md
Amatom Electronic Hardware Co., Inc., 1-4-6	88 Drake Ave, New Rochelle	NY
Amerconda Chemical Co., 2-4	170 Broadway, New York 38	NY
American Smelting & Refining Co., 4	120 Broadway, New York 5	NY
Anchor Plating & Tinning Co., Inc., 1-3-4-6	1734 N. Tyler Ave, S. El Monte	Cal
ANTON ELECTRONIC LABS., INC., 4-6, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Attleboro Refining Co., Inc., 6	152 Union St, Attleboro	Mass
Avionics Ltd., 6	Box 200, Niagara-on-the-Lake, Ontario	
Bart Labs & Design Inc., 1-2-3-4-5-6	125 Manchester Pl, Newark 4	NJ
Bart Mfg. Corp., 3-4-5-6	227 Main St, Belleville	NJ
Boonton Molding Co., 5	Boonton	NJ
Bram Metallurgical Chemical Co., 6	820 65 Ave, Philadelphia 26	Pa
Brooks & Perkins, Inc., 4-6	1950 W. Fort St, Detroit 16	Mich
Burton Silverplating Co., 6	11240 Play A, Culver City	Cal
Catalyst Research Corp., 5-6	6101 Falls Rd, Baltimore 9	Md
CENTURY PLATING CO., 1-2-3-4-5-6, Adv Pg 482	**229 Ferris Ave, White Plains**	**NY**
Channel Master Co., 1-4	Ellenville	NY
City Chemical Corp., 3-6	132 W. 22nd St, New York 11	NY
COHAN-EPNER CO., INC., 1-2-3-4-5-6, Adv Pg 531	**142 W. 14th St, New York 11**	**NY**
Composite Industrial Metals, Inc., 6	235 Georgia Ave, Providence 5	RI
Conductorlab, Inc., 5	Groton	Mass
Crystal-X Corp., 5	403 Lenni Rd, Lenni Mills	Pa
Eastern Reproduction, Inc., 4-5-6	1250 Main St, Waltham	Mass
The Electric Autolite Co., 1-2-3-4	Champlain St, Toledo 1	Ohio
Electro Development Co., 6	14701 Keswick St, Van Nuys	Cal
Electronic Research & Dev. Co., Ltd., 4	210 9th Ave, S.E., Calgary, Alberta, Canada	
El-Tronics Inc., 1-3-4-6	20 S. 15th St, Philadelphia 2	Pa
ERIE RESISTOR CORP., 5, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fairfield Development Labs., Inc., 4-5	190 Henry St, Stamford	Conn
Forsberg Mfg. Co., 1-4	127 Seaview Ave, Bridgeport	Conn
Frequency Standards, Div., Harvard Industries, Inc., 4	P.O. Box 504, Asbury Park	NJ
GATES ELECTRONIC CO., 4, Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
General American Transportation Corp., 2	135 S. La Salle St, Chicago 3	Ill
General Aniline & Film Corp., Ansco Div., 1-2-3-4	Vestal Pkwy E., Binghamton	NY
General Electric Co., Lamp Metals & Components Dept., 1	21800 Tungsten Rd, Cleveland 17	Ohio
Halliburton, Inc., Mfg. Div., 4	4724 S. Boyle Ave, Los Angeles 58	Cal
HANDY & HARMAN, 6, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Harper-Leader, Inc., 1-4-6	1046 S. Main St, Waterbury 20	Conn
Hathaway Instruments, Inc., 2-3-4	5800 E. Jewell Ave, Denver 22	Colo
Henry & Miller Industries, Inc., 3-4-6	675 Garfield Ave, Jersey City 5	NJ
Johnson Matthey & Mallory Ltd., 6	110 Industry St, Toronto, Ontario, Canada	
Link Div., Gen Precision, Inc., 2-4	Nowlan Rd, Hillcrest, Binghamton	NY
M-W Laboratories, 4-6	1824 N. Milwaukee Ave, Chicago 27	Ill
A.D. Mackay, Inc., 6	198 Broadway, New York 38	NY
Melpar, Inc., 1-3-4-5-6	3000 Arlington Blvd, Falls Church	Va
Merit Plating Co., Inc., 1-2-3-4-6	218 E. 141st St, New York 51	NY
Metal Finishers, Inc., 3	78 S. Franklintown Rd, Baltimore 23	Md
Metaplast Co., Inc., 3-4-5-6	34-51 56th St, Woodside	NY
Minitron, Inc., 5-6	1105 2nd St, Encinitas	Cal
Oki & Willadsen, Ltd., 4-5-6	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Optical Coating Laboratory, Inc., 5-6	2789 Giffen Ave, Santa Rosa	Cal
Poly-Kote, Inc., 3-5-6	82 Chestnut St, North Attleboro	Mass
Precision Electroplating Co., 1-2-3-4-5-6	**519 S. Oakley Blvd, Chicago 12**	**Ill**
Printronics Corp., 6	3127 El Camino Real, Palo Alto	Cal
Rea Co., Inc., J.B., 2-3	2202 Broadway, Santa Monica	Cal
Romar Plastics Inc., 5	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 5	239 Jacksonville Rd, Hatboro	Pa
Sel-Rex Corp., 1-2-3-4-6	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc., 3-5-6	550 S. Fulton Ave, Mt. Vernon	NY
Seymour Mfg. Co., The, 2	15 Franklin St, Seymour	Conn
Sifco Metachemical, Inc., 2-3-4-5-6	935 E. 63 St, Cleveland 3	Ohio
Slip Ring Co of America, 6	3612 W. Jefferson Blvd, Los Angeles 16	Cal
Spectranome Plating Co., Inc., 1-4-6	330 W. 13th St, New York 14	NY
Stanley Aviation Corp., 4	2501 Dallas St, Denver 8	Colo
State Testing Laboratory, Inc., 2	215 Knowlton St, Bridgeport 8	Conn
Steel Protection & Chemical Co., Inc., 1-4	Mooresville	Ind
Summit Industries, Inc., 5	2114 W. Rosecrans Ave, Gardena	Cal
Sylvania Electric Products Inc., Parts Div., 1-4-6	12 Second Ave, Warren	Pa
Ultra Electroforming & Mfg. Co., 2-3-4-5	112 Cedar Ave, Pitman 6	NJ
U.S. Steel Corp., 3	525 Wm Penn Pl, Pittsburgh 30	Pa
Wright Metalcoaters, Inc., 4	255 West St, South Hackensack	NJ
Zacharias Co., Robert, 1-2-3-4-5-6	519 S. Oakley Blvd, Chicago	Ill

PLATINUM

1. FOIL 2. SHEETS, BARS & RODS-TUBING See TUBING —*METALLIC-WIRE* See WIRE —*BARE*

Accurate Specialties Co., Inc., 1	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
American Silver Co., Inc., 1	36-07 Prince St, Flushing 54	NY
Bishop & Co., J., Platinum Works, 1	Malvern	Pa
Brainin Corp., C. S., 2	320 Washington St, Mt. Vernon	NY
Bram Metallurgical Chemical Co., 1	820 65 Ave, Philadelphia 26	Pa
COHN CORP., SIGMUND, 1-2, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
Composite Industrial Metals, Inc., 1-2	235 Georgia Ave, Providence 5	RI
CONSOLIDATED REACTIVE METALS, INC., 1-2, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Cooper & Sons, Inc., Joseph B., 1-2	180 Varick St, New York 14	NY
Eastern Smelting & Refining Corp., 1-2	107-109 W. Brookline St, Boston 18	Mass
Engelhard Industries, Inc., 1-2	113 Astor St, Newark 2	NJ
GIBSON ELECTRIC CO., 2, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Goldsmith Bros Div., National Lead Co., 1-2	900 W. 18th St, Chicago 8	Ill
HANDY & HARMAN, 2, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Johnson Matthey & Mallory Ltd., 1-2	110 Industry St, Toronto, Ontario, Canada	
LEACH & GARNER CO., INDUSTRIAL DIV., 2, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Metz Refining Co., 2	369 Mulberry St, Newark 2	NJ
NEY CO., J.M., 1, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
Technic Inc., 1	P.O. Box 965, Providence 1	RI
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY

Var-Lac-Oid Chemical Co., 1	116 Broad St, New York 4	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 1-2	525 Harbor Blvd, Belmont	Cal
Wildberg Bros Smelting & Refining Co., 1-2	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc., 1-2	2978 Main St, Buffalo 14	NY

PLATINUM PLATING See PLATING
PLAYBACK NEEDLES See NEEDLES

PLAYERS —*MAGNETIC TAPE (PLAYBACK ONLY)*

Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
Viking of Minneapolis	9600 Aldrich Ave S., Minneapolis 20	Minn

PLAYERS —*RECORD* See PHONOGRAPHS

PLOTTERS —*DIGITAL*

American Bosch Arma Corp	320 Fulton Ave, Hempstead	NY
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electronic Associates, Inc	Long Branch	NJ
Hogan Faximile Corp	155 Perry St, New York 14	NY
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
Stromberg-Carlson, Div., General Dynamics Corp	1895 Hancock St, San Diego 12	Cal
Tally Register Corp	1310 Mercer St, Seattle 9	Wash

PLOTTERS —*IMPEDANCE* See RECORDERS —*IMPEDANCE*
PLOTTING BOARDS See BOARDS —*COMPUTER*
PLUG BOARDS See BOARDS —*COMPUTER*
PLUG-IN CIRCUIT PACKAGES See CIRCUITS —*PACKAGED*
PLUG-IN HOUSINGS See HOUSINGS —*PLUG-IN*

PLUGS
1. ADAPTER 2. BATTERY 3. COAXIAL 4. LINE CORD 5. PHONE 6. PHONO 7. TEST LEAD TERMINAL 8. TWIN-LINE See Also CONNECTORS

ADC, INC., 4, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Accurate Electronics Corp., 1-2-4-5-6-7	Dept G, 169 Abbe Rd S., Elyria	Ohio
Aerolite Electronics Corp., 2-6-7	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co., 1-7	P.O. Box 31, Lancaster	Cal
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
ALDEN PRODUCTS CO., 2-4-5-6-8, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Amatom Electronic Hardware Co., Inc., 6-7	88 Drake Ave, New Rochelle	NY
AMERICAN MICROPHONE MFG. CO., 6, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Ampco Mfg. Co., 1-2-5-6-7	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-3-4-7-8, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Anaconda American Brass Co., 5-6	414 Meadow St, Waterbury 20	Conn
Argonne Electronics Mfg. Corp., 1-4-5-6-7	165-11 South Rd, Jamaica 33	NY
Arnoux Corp., 3	11924 W. Washington Blvd, L.A. 66	Cal
Arrow-Hart & Hegeman Electric Co., 1-4	103 Hawthorn St, Hartford 6	Conn
AUDIOSEARS CORP., 5, Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
AUDIOTEX MFG. CO., 5-6, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Auto-Swage Products, Inc., 5-6-7	255 Canal St, Shelton	Conn
AUTOMATIC METAL PRODUCTS CORP., 3, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Aviel Electronics, Inc., 1-3-5	4204 Glencoe Ave, Venice	Cal
Avnet Electronics Corp., 2-3	70 State St, Westbury	NY
Barnes Development Co., 1	213 W. Baltimore Pike, Lansdowne	Pa
BEAD CHAIN MFG. CO., 5-7, Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
Benco Television Associates, Ltd., 3	27 Taber Rd, Rexdale, Ontario, Canada	
BIRNBACH RADIO CO., INC., 1-5-6-7, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Blonder-Tongue Laboratories, Inc., 3	Dept EBG, 9 Alling St, Newark 2	NJ
C W S Waveguide Corp., 1-3	301 W. Hoffman Ave, Lindenhurst	NY
Cable Electric Products, 1-2-3-4-5-6	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., 7, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Cannon Electric Co., 2-3	3208 Humboldt St, Los Angeles 31	Cal
Carter Parts Co., 5	3401 Madison St, Skokie	Ill
CINCH MFG. CO., 1-2-6, Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
Circle Mfg. Co., 4	722 Monmouth St, Trenton 4	NJ
Coaxial Connector Co., Inc., 1-3	37 N. 2nd Ave, Mt. Vernon	NY
COLE ELECTRIC CO., 1-2-3, Adv Pg 496	**8439 Steller Dr, Culver City**	**Cal**
Cole-Hersee Co., 1	20 Old Colony Ave, Boston	Mass
Colman Electronic Products, Inc., 2	P.O. Box 2965, Amarillo	Tex
Component Mfg. Service, Inc., 1-2-3-4-5-6-7	West Bridgewater	Mass
Connector Corp., 6	6025 N. Keystone, Chicago	Ill
Cordo (Canada) Ltd., 4	149 Sterling Rd, Toronto 3, Ontario, Canada	
DAGE ELECTRIC CO., 1-3, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Deutsch Co., Electronic Components Div., 3	Municipal Airport, Banning	Cal
Don-Lan Electronics, Inc., 3	1101 Olympic, Santa Monica	Cal
Donmar Products, Inc., 7	P.O. Box 8396, Denver 10	Colo
Eagle Electric Mfg. Co., Inc., 1-4	23-10 Bridge Plaza S., L.I. City	NY
Eby Co., Hugh H., 1-2-5-6	4701 Germantown Ave, Philadelphia 44	Pa
Ecco Electronic Components Corp., 3	578 Nepperhan Ave, Yonkers	NY
Electro-Products, Inc., 1-3-6-7	15050 Schaefer Hwy, Detroit 27	Mich
G-C ELECTRONICS CO., 1-5-6, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GATES RADIO CO., 1-4-6, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL RADIO CO., 1-3-4, Adv Pg 285	**West Concord**	**Mass**
GRAPHIK-CIRCUITS DIV., CINCH, 7, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
INDUSTRIAL DEVICES, INC., 4, Adv Pg 558	**Edgewater 8**	**NJ**
INDUSTRIAL ELECTRONIC HARDWARE CORP., 1-2-3-4-6, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Javex Electronics, 3-4-5-6-7-8	P.O. Box 646, Redlands	Cal
JERROLD ELECTRONICS CORP., 1-3-8, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 3, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Joy Mfg. Co., 2-8	Dept 39, Oliver Bldg, Pittsburgh 22	Pa
Keystone Electronics Corp., 2-6-7	49 Bleecker St, New York 12	NY
KINGS ELECTRONICS CO., INC., 1-3-4-5, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Kulka Electric Corp., 1-4	633 S. Fulton Ave, Mt. Vernon	NY
Lab-Tronics, Inc., 1-2-3-5-6-7	3656 N. Lincoln, Chicago 13	Ill
Leviton Mfg. Co., Inc., 1	236 Greenpoint Ave, Brooklyn 22	NY
Liquidometer Corp., 3	41-03 36th St, Long Island City 1	NY
Mallory & Co., Inc., P.R., 6	34 S. Gray St, Indianapolis 6	Ind
Mandex Mfg. Co., Inc., 6	2616 W. 48 St, Chicago	Ill
MICRODOT, INC., 3, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Millen Mfg. Co., James, 8	150 Exchange St, Malden	Mass
Molding Corp of America, 7	42 Church St, Pawtucket	RI
National Fabricators, Inc., 2-5	2650 W. Belden Ave, Chicago 47	Ill
NATIONAL RADIO CO., 8, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NATIONAL TEL-TRONICS CORP., 5-6-7, Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
Oki & Willadsen, Ltd., 2-6	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pacific Electricord Co., 4	3217 Exposition Pl, Los Angeles 18	Cal
Parkway Specialties Co., 6	22519 Plymouth Rd, Detroit 39	Mich
Permoflux Products Co., 1-6	4101 San Fernando Rd, Glendale	Cal
Permonite Mfg. Co., 2-4-6	910 W. Jackson Blvd, Chicago 7	Ill
Phalo Plastics Corp., 4-5-6	530 Boston Trnpk, Shrewsbury	Mass
Pomona Electronics Co., Inc., 7	1126 W. Fifth Ave, Pomona	Cal
PORTCHESTER INSTRUMENT CORP., 3, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 3, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rex Rheostat Co., 6	149 Babylon Trnpk, Roosevelt	NY
Robins Industries Corp., 5-6	36-27 Prince St, Flushing 54	NY
Ross Co., Milton, 1-3-6	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp., 1-3-4-5-6-7-8	145 Elm St, Mamaroneck	NY
Sealectro Corp., 7	139 Hoyt Ave, Mamaroneck	NY
Sierra Electric Corp., 4	15100 S. Figueroa St, Gardena	Cal
Smith, Inc., Herman H., 1-2-3-4-5-6-7	2326 Nostrand Ave, Brooklyn 10	NY
Standard Electric Time Co., 4	89 Logan St, Springfield	Mass
Steel Co., Herman D., 5-6	Lafayette Bldg, Philadelphia 6	Pa
Superior Electric Co., 8	83 Laurel St, Bristol	Conn
SWITCHCRAFT, INC., 1-5-6, Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
TED MFG. CO., 3, Adv Pg 117	**11415 Johnson Dr, Shawnee**	**Kan**
Trimm, Inc., 1-3-5	400 W. Lake St, Libertyville	Ill
Tucson Instrument Corp., 3	P. O. Box 11247, Tucson 2	Ariz
UCINITE CO., DIV., UCC, 1-2-3-4-5-6-7-8, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Universal Circuit Controls, 5	3610 Oakton St, Skokie	Ill
VECTOR ELECTRONIC CO., 1-7, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Vidaire Electronics Mfg. Corp., 1-5-6	44 Church St, Baldwin	NY
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Waltham Horological Corp., 1-3	396 Lynnway, Lynn	Mass

POINTERS —*DIAL*

CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Molding Corp of America	42 Church St, Pawtucket	RI
Monroe Industries, Inc	932 36 St S.E., Grand Rapids 8	Mich
NATIONAL RADIO CO., Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Olympic Plastics Co., Inc	3471 S. La Cienega, Los Angeles 16	Cal
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sillcocks-Miller Co	Maplewood	NJ
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

POLAR-COORDINATE RECORDERS See RECORDERS —*GRAPHIC*
POLAR-TO-RECTANGULAR CONVERTERS See CONVERTERS —*COMPUTER*
POLICE RADIO See COMMUNICATION SYSTEMS

POLONIUM

Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

POLYETHYLENE See PLASTICS
POLYSTYRENE See PLASTICS
PORCELAIN See CERAMICS
PORTABLE CASES See CASES —*PORTABLE*
PORTABLE TRANSMITTERS See TRANSMITTERS —*RADIO COMMUNICATION*
POSITIONERS —*REMOTE* See ACTUATORS —*SERVO*: CONTROLS —*REMOTE*: CONTROLS —*SERVO*: INDICATORS —*POSITIONING*
POSITIONING CONTROLS See CONTROLS —*POSITIONING*
POSITIONING INDICATORS See INDICATORS —*POSITIONING*

POSTS —*BINDING*

Accurate Electronics Corp	Dept G, 169 Abbe Rd S., Elyria	Ohio
Aerolite Electronics Corp	2207 Summit Ave, Union City	NJ
Air-O-Tronics Engineering Co	P.O. Box 31, Lancaster	Cal
Amatom Electronic Hardware Co., Inc	88 Drake Ave, New Rochelle	NY
Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
BEAD CHAIN MFG. CO., Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Donmar Products, Inc	P.O. Box 8396, Denver 10	Colo
Eby Co., Hugh H.	4701 Germantown Ave, Philadelphia 44	Pa
Elco Corp	M St Below Erie Ave, Philadelphia 24	Pa
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
GRAYHILL, INC., Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
INDUSTRIAL ELECTRONIC HARDWARE CORP., Adv Pg 482	**109 Prince St, New York 12**	**NY**
Johnson Co., E.F.	Waseca	Minn
KINGS ELECTRONICS CO., INC., Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Malco Mfg. Co	4023 W. Lake St, Chicago 24	Ill
Mandex Mfg. Co., Inc	2616 W. 48 St, Chicago	Ill
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
NATIONAL RADIO CO., Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NATIONAL TEL-TRONICS CORP., Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Standard Electric Time Co	89 Logan St, Springfield	Mass
Superior Electric Co	83 Laurel St, Bristol	Conn
Technicraft Co	1156 Commonwealth Ave, Boston 34	Mass
VECTOR ELECTRONIC CO., Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Waldom Electronics, Inc	4621 W. 53rd St, Chicago 32	Ill

POTENTIOMETER LINEARITY TESTERS See TESTERS —*POTENTIOMETER*

LINEARITY

POTENTIOMETERS *—ABSOLUTE OR DIFFERENTIAL PRESSURE* See TRANSDUCERS *—PRESSURE*

POTENTIOMETERS & RHEOSTATS *—GENERAL-PURPOSE (Incl. VOLUME, TONE & OTHER CONTROLS)*
1. COMPOSITION (CARBON) 2. HIGH-MEGOHM 3. HIGH-VOLTAGE 4. METALLIC FILM 5. MINIATURE 6. PRINTED-CIRCUIT TERMINALS 7. SUBMINIATURE 8. TAPPED 9. TRIMMER 10. WIRE-WOUND

Accuracy, Inc., 10	4 Gordon St, Waltham 54	Mass
ACE ELECTRONICS ASSOCIATES, 5-6-7-8-9-10, Adv Pg 106	**99 Dover St, Somerville 44**	**Mass**
Aero Electronics Corp., 9	1745 W. 134th St, Gardena	Cal
Aerovox Corp., 1-8	740 Belleville Ave, New Bedford	Mass
Amatom Electronic Hardware Co., Inc., 6	88 Drake Ave, New Rochelle	NY
Analogue Controls, Inc., 9-10	200 Frank Rd, Hicksville	NY
Ardente Acoustic Laboratories, Ltd., 5-6-7	8/12 Minerva Rd, London N.W. 10, England	
Argonne Electronics Mfg. Corp., 5-6-7-9-10	165-11 South Rd, Jamaica 33	NY
Atohm Electronics, 5-6-7-8-9-10	7648 San Fernando Rd, Sun Valley	Cal
Biddle Co., James G., 1-3-10	1316 Arch St, Philadelphia 7	Pa
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 9, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
Bourns, Inc., 1-2-5-6-7-9-10	6135 Magnolia Ave, Riverside	Cal
Calbest Electronics Co., 10	4801 Exposition Blvd, Los Angeles 16	Cal
Carter Mfg. Corp., 5-6-7-9-10	23 Washington St, Hudson	Mass
Carter Parts Co., 9-10	3401 Madison St, Skokie	Ill
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1-2-5-6-7-8-9-10, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Chicago Aerial Industries, 10	1980 N. Hawthorne, Melrose Park	Ill
Chicago Telephone of California, 1-2-6-7-10	105 Pasadena Ave, South Pasadena	Cal
CLAROSTAT MFG. CO., INC., 1-2-3-5-6-7-8-9-10, Adv Pg 129	**Dover**	**NH**
COMPUTER INSTRUMENTS CORP., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Con-Elco, 1-5-6-7-8-9-10	1711 S. Mountain, Monrovia	Cal
CONSOLIDATED RESISTANCE CO OF AMERICA INC., 5-6-7-9-10, Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
Corbett Science Labs., F.W., 5-10	3117 Venice Blvd, Los Angeles 19	Cal
DALE PRODUCTS, INC., 6-9-10, Adv.Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
DAVEN CO., 2-4-10, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DAYSTROM INC., PACIFIC DIV POTENTIOMETERS, 1-5-6-7-8-9-10, Adv Pg 444	**9320 Lincoln Blvd, Los Angeles 45**	**Cal**
DEJUR-AMSCO CORP., 3-5-7-9-10, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Deutsch Co., Electronic Components Div., 2-3-5	Municipal Airport, Banning	Cal
EIR Corp., 10	5177 Overland Ave, Culver City	Cal
Eastern Precision Resistor Corp., 5-6-9-10	675 Barbey St, Brooklyn	NY
Electro-Chemical Engraving Co., 6	1100 Brook Ave, New York 56	NY
ELECTRO-MEC LABORATORY, INC., 8-10, Adv Pg 540	**47-51 33rd St, Long Island City 1**	**NY**
Electromath Corp., 5-7-8-9-10	115 Pleasant Ave, Roosevelt	NY
Electrophono & Parts Corp., 1	530 Canal St, New York 13	NY
FAIRCHILD CONTROLS CORP., COMPONENTS DIV., 4-5-7-8-9-10, Adv Pg 382	**225 Park Ave, Hicksville**	**NY**
Fedtro, Inc., 5-7-10	Fed Electr Bldg, Rockville Centre	NY
General Controls Co., 5-8-9-10	801 Allen Ave, Glendale 1	Cal
GENERAL RADIO CO., 10, Adv Pg 285	**West Concord**	**Mass**
Giannini Controls Corp., 8-10	1600 S. Mountain Ave, Duarte	Cal
Guidance Controls Corp., 5-7-10	110 Duffy Ave, Hicksville	NY
Halex, Inc., 4	310 E. Imperial Hwy, El Segundo	Cal
Handley, Inc., 5-6-7-9-10	19620 Panama St, Los Angeles 66	Cal
Helipot Div., Beckman Instruments, Inc., 9-10	2500 Fullerton Rd, Fullerton	Cal
Humphrey, Inc., 5-10	2805 Canon St, San Diego 6	Cal
International Resistance Co., 10	401 N. Broad St, Philadelphia	Pa
Javex Electronics, 10	P.O. Box 646, Redlands	Cal
Jones & Roy Co., 6	620 Commercial Ave, Covina	Cal
K-F DEVELOPMENT CO., 10, Adv Pg 506	**2606 Spring St, Redwood City**	**Cal**
Keystone Electronics Corp., 6	49 Bleecker St, New York 12	NY
Lesa Construzioni Elettromeccaniche, 1-5-6-8-9-10	Via Bergamo 21, Milan, Italy	
Lyn-Tron, Inc., 6	5352 Riverton Ave, North Hollywood	Cal
Malco Mfg. Co., 6	4023 W. Lake St, Chicago 24	Ill
Mallory & Co., Inc., P.R., 1-5-6-7-10	34 S. Gray St, Indianapolis 6	Ind
Marsland Engineering, Ltd., 10	154 Victoria St S., Kitchener, Ontario, Canada	
Maurey Instrument Corp., 5-6-7-8-9-10	7924 S. Exchange Ave, Chicago 17	Ill
Mechatrol Div., Servomechanisms, Inc., 4-5	1200 Prospect Ave, Westbury	NY
Meredith & Co., Ltd., C.C., 1-4-5-6-7-8-9-10	80 Thomas St, Streetsville, Ontario, Canada	
Metaplast Co., Inc., 4	34-51 56th St, Woodside	NY
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 8-10, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
Miniature Electronic Components Corp., 5-6-7-8-9-10	21 Plymouth St, Holbrook	Mass
Molding Corp of America, 7	42 Church St, Pawtucket	RI
Muter Co., 6-10	1255 S. Michigan, Chicago 5	Ill
National Electric Controller Co., 10	7070 Glenwood Ave, Chicago 26	Ill
New England Instrument Corp., 1-5-6-8-9-10	1334 Main St, Waltham	Mass
Ohmite Mfg. Co., 1-5-8-10	3601 Howard St, Skokie	Ill
Osborne Electronic Sales Corp., 5-10	712 S.E. Hawthorne Blvd, Portland 14	Ore
Pacific Electronic Controls Corp., 5-7-8-9-10	1001 S. Mountain Ave, Monrovia	Cal
Precision Electronic Components, Ltd., 1-2-3-5-6-7	50 Wingold Ave, Toronto 19, Ontario, Canada	
Precision Line, Inc., 5-6-7-8-9-10	63 Main St, Maynard	Mass
REON RESISTOR CORP., 1-7, Adv Pg 537	**155 Saw Mill River Rd, Yonkers**	**NY**
Rinco, Inc., 2-8-9-10	7962 S.E. Powell Blvd, Portland 6	Ore
Servomechanisms, Inc., 4	12500 Aviation Blvd, Hawthorne	Cal
Spectrol Electronics Corp., 5-8-9-10	1704 S. Del Mar, San Gabriel	Cal
Stackpole Carbon Co., 1-5-6	201 Stackpole St, St. Marys	Pa
Subminiature Instruments Corp., 1-2-3-5-6-7-8-9-10	3705 Sunnyside Dr, Riverside	Cal
Tech Laboratories, Inc., 1-3-6-8-10	Bergen & Edsall Blvds, Palisades Park	NJ
TECHNOLOGY INSTRUMENT CORP., 2-3-4-5-6-7-8-9-10, Adv Pg 223	**533 Main St, Acton**	**Mass**
Technology Instr Corp of Ariz., 5-6-7-8-9-10	1050 E. Valencia Rd, Tucson 2	Ariz
Technology Instrument Corp of Ill., 5-6-7-8-9-10	10130 W. Pacific Ave, Franklin Park	Ill
TED MFG. CO., 5-7, Adv Pg 117	**11415 Johnson Dr, Shawnee**	**Kan**
Tinsley Instruments (Canada), Ltd., 10	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topp Industries, Inc., 5-8-10	5221 W. 102 St, Los Angeles 45	Cal
TRU-OHM PRODUCTS DIV., MODEL ENGINEERING & MFG. INC., 5-6-8-10, Adv Pg 290	**2800 Milwaukee Ave, Chicago 18**	**Ill**
UCINITE CO., DIV., UCC, 6-7-8, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Ultronix, Inc., 5-6-7-9-10	111 E. 20th Ave, San Mateo	Cal
United Mineral & Chemical Corp., 1-8-10	16 Hudson St, New York 13	NY
WARD LEONARD ELECTRIC CO., 10, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
WATERS MANUFACTURING, INC., 5-6-10, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**
Wells Industries Corp., 5-7-9-10	6880 Troost Ave, North Hollywood	Cal

POTENTIOMETERS *—INDUCTION* See SYNCHROS

POTENTIOMETERS *—PRECISION*
1. AUTO-TRANSFORMER 2. CARBON FILM 3. COEFFICIENT (COMPUTING) 4. CONDUCTING PLASTIC 5. METALLIC FILM 6. PORTABLE, INSTRUMENT 7. RECTILINEAR 8. SERVO-SET (COMPUTING) 9. SINE-COSINE 10. TAPE-SET (COMPUTING) 11. WIRE-WOUND MULTI-TURN 12. WIRE-WOUND SINGLE-TURN

Accuracy, Inc., 3-7-8-9-12	4 Gordon St, Waltham 54	Mass
ACE ELECTRONICS ASSOCIATES, 7-8-9-12, Adv Pg 106	**99 Dover St, Somerville 44**	**Mass**
Aero Electronics Corp., 11	1745 W. 134 St, Gardena	Cal
ALLEGANY INSTRUMENT CO., INC., 6, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Alpha Instrument Co., 12	43 Hempstead St, New London	Conn
Analogue Controls, Inc., 3-7-8-9-10-11-12	200 Frank Rd, Hicksville	NY
ANTON ELECTRONIC LABS., INC., 1-2-3-4-5-6-7-8-9-10-11-12, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Asquith Co., S.A., 11-12	427 W. Chevy Chase Dr, Glendale	Cal
Atohm Electronics, 11	7648 San Fernando Rd, Sun Valley	Cal
Atomic Accessories Inc., 7	811 W. Merrick Rd, Valley Stream	NY
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 7-11-12, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
Bourns, Inc., 2-7-11	6135 Magnolia Ave, Riverside	Cal
British Radio Electronics, Ltd., 9-12	1833 Jefferson Pl, N.W., Wash 6	DC
Calbest Electronics Co., 7-9-11-12	4801 Exposition Blvd, Los Angeles 16	Cal
Carter Mfg. Corp., 7-8-9-11-12	23 Washington St, Hudson	Mass
Chicago Aerial Industries, 9-11-12	1980 N. Hawthorne, Melrose Park	Ill
CLAROSTAT MFG. CO., INC., 2-4-6-7-9-11-12, Adv Pg 129	**Dover**	**NH**
Coil Co of America, Inc., 1-11	220 Washington St, Northvale	NJ
G. L. Collins Corp., 1	2820 E. Hullet St, Long Beach 5	Cal
Colvin Labs., Inc., 7	364 Glenwood, East Orange	NJ
COMPUTER INSTRUMENTS CORP., 2-3-4-7-8-9, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Corbett Science Labs., F.W., 7-8-11-12	3117 Venice Blvd, Los Angeles 19	Cal
DAVEN CO., 5, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DAYSTROM INC., PACIFIC DIV POTENTIOMETERS, 11-12, Adv Pg 444	**9320 Lincoln Blvd, Los Angeles 45**	**Cal**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 5, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
DEJUR-AMSCO CORP., 7-9-12, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
EIR Corp., 7-12	5177 Overland Ave, Culver City	Cal
Eastern Precision Resistor Corp., 7-11	675 Barbey St, Brooklyn	NY
Edcliff Instruments, 7	1711 S. Mountain Ave, Monrovia	Cal
Eisler Engineering Co., Inc., 1	751 S. 13 St, Newark 3	NJ
Electran Mfg. Co., 1	1909 N. Clybourn, Chicago	Ill
ELECTRO-MEC LABORATORY, INC., 9-12, Adv Pg 540	**47-51 33rd St, Long Island City 1**	**NY**
ELECTRO SCIENTIFIC INDUSTRIES INC., 11, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electromath Corp., 9-11-12	115 Pleasant Ave, Roosevelt	NY
FAIRCHILD CONTROLS CORP., COMPONENTS DIV., 5-6-7-8-9-10-11-12, Adv. Pg. 382	**225 Park Ave, Hicksville**	**NY**
Filmohm Corp., 5	48 W. 25 St, New York 10	NY
GAMEWELL CO., THE, 9-11-12, Adv Pg 307	**1238 Chestnut St, Newton Upper Falls 64**	**Mass**
General Controls Co., 7-11-12	801 Allen Ave, Glendale 1	Cal
GENERAL RADIO CO., 6-12, Adv Pg 285	**West Concord**	**Mass**
Gertsch Products, Inc., 1	3211 S. La Cienega, Los Angeles 16	Cal
Giannini Controls Corp., 7-9-11-12	1600 S. Mountain Ave, Duarte	Cal
Globe Electrical Mfg. Co., 11	1729 W. 134 St, Gardena	Cal
GRAY INSTRUMENT CO., 6, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Guidance Controls Corp., 3-6-8-12	110 Duffy Ave, Hicksville	NY
Halex, Inc., 5	310 E. Imperial Hwy, El Segundo	Cal
Handley, Inc., 12	19260 Panama St, Los Angeles 66	Cal
Helco Products Corp., 12	7832 Balboa Blvd, Van Nuys	Cal
Helipot Div., Beckman Instruments, Inc., 5-7-8-9-11-12	2500 Fullerton Rd, Fullerton	Cal
Howell Instrument Co., 6-11-12	3101 Trinity St, Ft. Worth 7	Tex
Humphrey, Inc., 7-12	2805 Canon St, San Diego 6	Cal
Industrial Transformer Corp., 1	Gouldsboro	Pa
Instrol, Inc., 1-7	135 E. Dela Guerra, Santa Barbara	Cal
International Resistance Co., 8-11-12	401 N. Broad St, Philadelphia	Pa
K-F DEVELOPMENT CO., 7-11-12, Adv Pg 506	**2606 Spring St, Redwood City**	**Cal**
Ketay Dept., Norden Div., United Aircraft Corp., 7-9-11-12	Jericho Trnpk, Commack	NY
Leeds & Northrup Co., 6	4970 Stenton Ave, Philadelphia 44	Pa
Link Div., Gen Precision, Inc., 8-9-12	Nowlan Rd, Hillcrest, Binghamton	NY
Litton Industries, Potentiometer Div., 7-9-11-12	215 S. Fulton Ave, Mt. Vernon	NY
Lockheed Electronics Co., Avionics & Ind Products Div., 5-11-12	Randolph St, Los Angeles	Cal
Markite Corp., 4-7-9	155 Waverly Pl, New York 14	NY
Maurey Instrument Corp., 12	7924 S. Exchange Ave, Chicago 17	Ill
Mechatrol Div., Servomechanisms, Inc., 5	1200 Prospect Ave, Westbury	NY
Metaplast Co., Inc., 2-5	34-51 56th St, Woodside	NY
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 7-9-12, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
Minco Products, Inc., 7	740 Washington Ave, N., Minneapolis 1	Minn
Minn-Honeywell, Aeronautical Div., 7-9-12	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 6	Wayne & Windrim, Philadelphia 44	Pa
Muirhead & Co., Ltd., 11	Beckenham, Kent, England	
New England Instrument Corp., 3-4-6-7-8-9-11-12	1334 Main St, Waltham	Mass
Osborne Electronic Sales Corp., 11-12	712 S.E. Hawthorne Blvd, Portland 14	Ore
Pacific Electronic Controls Corp., 7-8-9-10-11-12	1001 S. Mountain Ave, Monrovia	Cal
Palo Alto Engineering Co., 12	620 Page Mill Rd, Palo Alto	Cal
Power Industries Co., 1	2655 W. 19th St, Chicago 16	Ill
Precision Electronics, 1	427 Plain St, Marshfield	Mass
Precision Line, Inc., 7-8-9-10-12	63 Main St, Maynard	Mass
RADIO FREQUENCY LABS., INC., 6, Adv Pg 116	**Boonton 2**	**NJ**
Rahm Instruments Div., American Machine & Metals, Inc., 11-12	65 Rushmore St, Westbury	NY

Rattray & Co., George, 9-11-12	116-08 Myrtle Ave, Richmond Hill	NY
RAWSON ELECTRICAL INSTRUMENT CO., 9, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Rinco, Inc., 11-12	7962 S.E. Powell Blvd, Portland 6	Ore
San Fernando Electric Mfg. Co., 9-11-12	1509 First St, San Fernando	Cal
Servomechanisms, Inc., 5	12500 Aviation Blvd, Hawthorne	Cal
Servonic Instruments, Inc., 7	640 Terminal Way, Costa Mesa	Cal
Siemon Mfg. Co., 12	P. O. Box 275, Wayne	Ill
Specialties, Inc., 12	Skunks Misery Rd, Syosset	NY
Spectrol Electronics Corp., 3-8-9-11-12	1704 S. Del Mar, San Gabriel	Cal
Subminiature Instruments Corp., 2-3-4-7-9-11-12	3705 Sunnyside Dr, Riverside	Cal
Tech Laboratories, Inc., 11-12	Bergen & Edsall Blvds, Palisades Park	NJ
Technique Assoc, Div., Duncan Elec, 6	1413 N. Cornell Ave, Indianapolis	Ind
TECHNOLOGY INSTRUMENT CORP., 2-3-4-5-7-8-9-10-11-12, Adv Pg 223	**533 Main St, Acton**	**Mass**
Technology Instr Corp of Ariz., 7-8-9-11-12	1050 E. Valencia Rd, Tucson 2	Ariz
Technology Instrument Corp of Ill., 7-12	10130 W. Pacific Ave, Franklin Park	Ill
Tinsley Instruments (Canada), Ltd., 6-9-11-12	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topp Industries, Inc., 1-7-12	5221 W. 102 St, Los Angeles 45	Cal
United Mineral & Chemical Corp., 12	16 Hudson St, New York 13	NY
Vernistat Div., Perkin-Elmer Corp., 1-3-11	769 Main Ave, Norwalk	Conn
Voak Engineering Co., 11-12	129 E. A St, Upland	Cal
WATERS MANUFACTURING, INC., 8-9-11-12, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**
Welch Scientific Co., W.M., 12	1515 Sedgwick St, Chicago 10	Ill
Wells Industries Corp., 9-11-12	6880 Troost Ave, North Hollywood	Cal
Yokogawa Electric Works, Inc., 6	40 Worth St, New York 13	NY

POTENTIOMETER TESTERS See **TESTERS** —*POTENTIOMETER*
POTENTIOMETER-TYPE RECORDERS See **RECORDERS** —*GRAPHIC*
POTENTIOMETER WIRE See **WIRE** —*RESISTANCE*

POTS & TANKS —*HEATING*

Houston Fearless Corp.	11801 W. Olympic Blvd, Los Angeles 64	Cal

POTS —*SOLDERING* See **TOOLS**
POTTED CIRCUITS See **CIRCUITS** —*PACKAGED*
POTTING COMPOUNDS See **COMPOUNDS** —*POTTING*
POTTING RESINS See **RESINS** —*ENCAPSULATING & POTTING*
POWDERED-IRON CORES See **CORES** —*MOLDED MAGNETIC*
POWDERED IRON-CORE TRANSFORMERS See **TRANSFORMERS** —*IRON-CORE*
POWDERED METAL See *METAL DESIRED*
POWDERED METAL PARTS See **METAL PARTS** —*POWDERED*
POWER AMPLIFIERS —See **AMPLIFIERS** — *A-F*; **AMPLIFIERS** —*MAGNETIC*
POWER BRIDGES See **BRIDGES**
POWER CONVERTERS See **CONVERTERS** —*POWER*
POWER DIVIDERS See **DIVIDERS** —*POWER*
POWER-FACTOR METERS See **METERS** —*POWER-FACTOR*
POWER GENERATORS See **GENERATORS** —*POWER*
POWER-LEVEL METERS See **METERS** —*POWER-LEVEL*
POWER-LEVEL RECORDERS See **RECORDERS** —*POWER-LEVEL*
POWER METERS See **WATTMETERS**
POWER MONITORS See **MONITORS** —*POWER*
POWER R-F AMPLIFIERS See **AMPLIFIERS** — *R-F*
POWER SUPPLIES — *A-C OUTPUT* See **CONVERTERS: DYNAMOTORS: GENERATORS** —*POWER, D-C*; **INVERTERS: TRANSFORMERS** —*IRON: CORE, POWER, VOLTAGE-REGULATING*

POWER SUPPLIES — *D-C OUTPUT, RECTIFIER-TYPE*
1. HIGH-VOLTAGE (Incl. KLYSTRON & OTHER MICROWAVE) 2. LOW-VOLTAGE, REGULATED (FOR TRANSISTORS & MAGNETIC AMPLIFIERS) 3. LOW-VOLTAGE (FOR INSTRUMENTS & TEST EQUIPMENT) 4. LOW-VOLTAGE UNREGULATED (FOR TRANSISTORS & MAGNETIC AMPLIFIERS) 5. PLATE SUPPLIES, REGULATED 6. PLATE SUPPLIES UNREGULATED 7. PLATE SUPPLIES, VARIABLE-VOLTAGE 8. PLATE SUPPLIES, 400-CPS, INPUT 9. REFERENCE VOLTAGE SUPPLIES-COMPUTER See Also **CONVERTERS: DYNAMOTORS: GENERATORS** —*POWER, D-C*

ACDC ELECTRONICS, INC., 2-3-4-5-6-7-8-9, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
AEG, 3	Hochhaus Sued, Frankfurt/Main, Germany	
A R & D A, 2	135 Main St, Belleville 9	NJ
ACME ELECTRIC CORP., 2-3-4-5-6-7-8-9, Adv Pg 511	**Water St, Cuba**	**NY**
Acopian Technical Co., 2-3-4-5-6-9	927 Spruce St, Easton	Pa
Aerolab Development Co., 1-2-3-4-5-6-7-8-9	330 W. Holly St, Pasadena	Cal
Aerovox Corp., 2-3-4	740 Belleville Ave, New Bedford	Mass
Airesearch Mfg. Co of Ariz., 1-2-8	402 S. 36 St, Phoenix	Ariz
Airmec Ltd., 1-2	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-3-8, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtec, Inc., 1	139 E. First Ave, Roselle	NJ
Alfred Electronics, 1	897 Commercial St, Palo Alto	Cal
ALLEGANY INSTRUMENT CO., INC., 3, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Allied Research Products, Inc., 2-3	4004 E. Monument St, Baltimore 5	Md
AMERAC, INC., 1, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Avionics, Inc., 2-3-4-5-6-7-8-9	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Bosch Arma Corp., 2-4-5-6-8	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Precision Power Div., 2	9705 Klingerman St, El Monte	Cal
American-Monarch Corp., 1-2-4-6-9	2801 37 Ave N.E., Minneapolis	Minn
American Research & Mfg. Corp., 1-2-3-4-5-6	920 Halpine Ave, Rockville	Md
AMERICAN TELEVISION & RADIO CO., 3-4, Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
AMP, INC., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Amp Inc., Capitron Div., 6	155 Park St, Elizabethtown	Pa
Amplifier Corp of America, 2-3-7	396 Broadway, New York 13	NY
Anders Electric Products, Inc., 1-2-3-4-5-6-7-8-9	50 Brook Rd, Needham Heights 94	Mass
Andersen Laboratories, Inc., 3	501 New Park Ave, West Hartford	Conn
Antennavision, Inc., 3-4-5-6-7	2949 W. Osborn Rd, Phoenix	Ariz
Applied Dynamics, Inc., 2-3-5-9	P.O. Box 2068, Ann Arbor	Mich
Applied Electronics Co., 6	213 E. Grand Ave, South San Francisco	Cal
Applied Radiation Corp., 1	2404 N. Main St, Walnut Creek	Cal
Armour Electronics, 1-2-4-5-6-7-8-9	4201 Redwood Ave, Los Angeles 66	Cal
ARNOLD MAGNETICS CORP., 2-5-8, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Arnoux Corp., 1-2-3-4-5-6-7-8	11924 W. Washington Blvd, L.A. 66	Cal
ASSOCIATED RESEARCH, INC., 3, Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
ASSOCIATED SPECIALTIES CO., 5, Adv Pg 526	**1751 Main St, Orefield**	**Pa**
Astra Technical Instrument Corp	3014 S. Halladay St, Santa Ana	Cal
Atlantic Research Corp., 5	Shirley Hwy at Edsall Rd, Alexandria	Va
ATLAS CONTROLS INC., 1-2-3-4-5-6-7-8-9, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Automation Industries, Inc., 1-2-3-4	3613 Aviation Blvd, Manhattan Beach	Cal
Automation Industries, Inc., Magnetics Div., 2-3-4-5	771 Hamilton Ave, Menlo Park	Cal
Avien Corp., 2-3-9	58-15 Northern Blvd, Woodside 77	NY
Avionics Ltd., 1	Box 260, Niagara-on-the-Lake, Ontario	
Barker & Williamson, 6	Canal & Beaver Sts, Bristol	Pa
Barwood Electronics, Inc., 2	120 S. Maryland Ave, Glendale 5	Cal
Bergen Labs., Inc., 2-3	60 Spruce St, Paterson 1	NJ
Beva Laboratory, Inc	P.O. Box 478, Trenton	NJ
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
Booth Co., Arthur E., 3-7	265 S. Alexandria Ave, Los Angeles 4	Cal
Brach Mfg. Corp., 2-3-4-5-6-7-8	200 Central Ave, Newark	NJ
BRACKE-SEIB X-RAY CO., INC., 1, Adv Pg 504	**16 Pelham Bay Park W., Pelham Manor**	**NY**
Britton Electronics Corp., 1-2-3-4-5-6-7-8-9	19 Warren Pl, Mt. Vernon	NY
Buck Engineering Co., Inc., 3-4	43 Marcy St, Freehold	NJ
Budd Lewyt Electronics, Inc., 1	43-22 Queens St, Long Island City 1	NY
Bulow Electric Co., 3	11000 Capital Ave, Oak Park	Ill
Bundy Electronics Corp., 2-3-4-5-6	173 Fabyan Pl, Newark	NJ
Burmac Electronics Co., Inc., 1-2-3-4-5-6-7-8	142 S. Long Beach, Rockville Center	NY
Cadre Industries Corp., 2-4	P. O. Box 150, Endicott	NY
Calibration Standards Corp., 3	1130 W. Fifth Ave, Pomona	Cal
California Magnetic Control Corp., 1-2-4-5-6-7-8-9	11922 Valerio St, North Hollywood	Cal
California Tech Ind Div., Textron Inc., 1	1421 Old County Rd, Belmont	Cal
Canadian Aviation Electronics Ltd., 2-3-4-5-6-7-8	6214 Cote de Liesse Rd, Montreal 9, Canada	
Canadian Research Institute, 1-2-3-4-5-6-7	46 St. George St, Toronto 5, Ontario, Canada	
Carad Corp., 1-7	2850 Bay Rd, Redwood City	Cal
Carol Electronics Corp., 1-2-5	315 W. Stephen St, Martinsburg	W. Va
Carruthers & Fernandez, Inc., 2-4-5-7-8-9	1501 Colorado Ave, Santa Monica	Cal
Central Dynamics Ltd., 3-4-6	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
Central Transformer Co., 1	910 W. Jackson Blvd, Chicago	Ill
CHICAGO CONDENSER CORP., 1-6, Adv Pg 543	**3255 W. Armitage Ave, Chicago 47**	**Ill**
Christie Electric Corp., 2-3-4-9	3410 W. 67 St, Los Angeles 43	Cal
CLEGG LABS., DIV., CLEGG, INC., 1, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Coil Co of America, Inc., 3-4-6-8	220 Washington St, Northvale	NJ
Columbus Electronics Corp., 1-2-3-4-5-6-7-8-9	1010 Saw Mill River Rd, Yonkers	NY
Computer Engineering Associates, Inc., 3	350 N. Halstead St, Pasadena	Cal
Condenser Products Div., New Haven Clock & Watch Co., 1-8	140 Hamilton St, New Haven	Conn
Consolidated Airborne Systems, 2-3-4-9	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 2-3-4-5-7-8-9	800 Shames Dr, Westbury	NY
CONTROL, DIV OF MAGNETICS, INC., 4, Adv Pg 322	**Butler**	**Pa**
CONTROL ELECTRONICS CO., INC., 1-2-3-4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cornwell Electronics Corp., 2-3	84 S. Water St, Byram	Conn
COSMIC INSTRUMENTS, INC., 1, Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
Cubic Corp., 1	5575 Kearny Villa Rd, San Diego 11	Cal
D & R Ltd., 2-3-5-8	402 E. Gutierrez, Santa Barbara	Cal
Data Products Co., Inc., 2-4-5-8	7320 Westmore Rd, Rockville	Md
DAVEN CO., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 1-2-3-4-5-6-7-8-9	2530-32 N. Elston Ave, Chicago	Ill
Daystrom, Inc., Control Systems Div., 2-9	4455 Miramar Rd, La Jolla	Cal
DEL ELECTRONICS CORP., 1-2-5-6-7-8, Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 5-6, Adv Pg 467	**Drawer 2666, Jackson**	**Miss**
Deltron, Inc., 1-2-3-4-5-6-7-8-9	4th & Cambria, Philadelphia 33	Pa
DELUXE COILS, INC., 1, Adv Pg 141	**P.O. Box 454, Wabash**	**Ind**
Djeco, Div., Djordjevic Engrg Co., 1-2-3-4-5-6-7-8-9	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 9	888 Galindo St, Concord	Cal
Douglas Radio Labs., 3-5-7	176 Norfolk Ave, Boston 19	Mass
Dressen-Barnes Corp., 1-2-3-4-5-6-7-8-9	250 N. Vinedo Ave, Pasadena	Cal
Dresser Electric Co., 3	2705 Wight St, Detroit 7	Mich
Dynamic Controls Co., 2-3-5-7-8	2225 Massachusetts Ave, Cambridge	Mass
Dynamic Electronics, Capehart Corp., 1-2-3-4-6-7	87-46 123 St, Richmond Hill 18	NY
Dynamics Instrumentation Co., 3	1118 Mission, S. Pasadena	Cal
DYNATRAN ELECTRONICS CORP., 2-3, Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
EIR Corp., 2-9	5177 Overland Ave, Culver City	Cal
EMP Electronics Research Labs., Inc., 2-4	3131 N. 29th Ave, Phoenix	Ariz
E.P. Electric Products Co., Ltd., 2-3-4-5-6-8	9720 Waverly St, Montreal 12, Que, Canada	
EPR Special Products Corp., 9	675 Barbey St, Brooklyn	NY
Elcor, Inc., 2-3-5-6-7	1225 W. Broad St, Falls Church	Va
Electran Mfg. Co., 6	1909 N. Clybourn, Chicago	Ill
Electro Engineering Works, 1-6-8	401 Preda St, San Leandro	Cal
Electro Precision Corp., 5-6-9	P.O. Box 669, Arkadelphia	Ark
Electro Products Labs, Inc., Power Supply Div., 2-3-4	4501 N. Ravenswood, Chicago 40	Ill
ELECTRO SEAL CORP., 2-3-4-5-6-7, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electrodynamic Instrument Corp., 2-3	1841 Old Spanish Trail, Houston 25	Tex
Electrol Specialties Co., 3	441 Clark St, South Beloit	Ill
Electron, 2-4	P.O. Box 8, Syracuse 11	NY
Electronic Assembly Co. Inc. 1-2-3-4-5-6-7-8-9	5 Prescott St, Roxbury	Mass
Electronic Development Corp., 2-3-9	423 W. Broadway, Boston 27	Mass
Electronic Measurements Co., Inc., 2-3	Lewis St & Maple Ave, Eatontown	NJ
Electronic Research Associates, Inc., 1-2-4-5-6-7-8-9	67 Factory Pl, Cedar Grove	NJ
ELECTRONIC SPECIALTY CO., 2-3-4-5-6-8, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
ENDEVCO CORP., 5, Adv Pg 160	**161 E. California Blvd, Pasadena**	**Cal**
Engineered Electronics Co., 2-3-5	1441 E. Chestnut Ave, Santa Ana	Cal
Engineered Magnetics Div., Gulton, 1-2-3-4-5-6-7-8-9	13041 Cerise Ave, Hawthorne	Cal
Engineering Associates, 1-6-7-8	434 Patterson Rd, Dayton 19	Ohio
Ensco, Inc., 1-2-3-4-5-7	3100 Eldredge St, Salt Lake City	Utah
Entron, Inc., 5	4902 Lawrence St, Bladensburg	Md
Era Pacific, Inc., 1-2-3-4-5-6-7-8-9	1760 Stanford St, Santa Monica	Cal
FXR, INC., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fansteel Metallurgical Corp., 1	2200 Sheridan, N. Chicago	Ill
Ferrotran Electronic Co., Inc., 1-2-3-4-5-6-7-8	693 Broadway, New York 12	NY
Fidelity Instrument Corp., 2-4	1000 E. Boundary Ave, York	Pa

FILM CAPACITORS, INC., 1-3-4, Adv Pg 472	**3400 Park Ave, New York 56**	**NY**
Fluke Mfg. Co., Inc., John, 1-2-3-5-7-8-9	P.O. Box 7161, Seattle 33	Wash
Foto-Video Electronics, Inc., 1-2-3-4-5-6-7-8	36 Commerce Rd, Cedar Grove	NJ
Garrett Corp., The, 2-4	9851 Sepulveda Blvd, Los Angeles 45	Cal
GATES ELECTRONIC CO., 2-3-4-5-6-7-9, Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
GATES RADIO CO., 2-3-4-5-6-7, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8-9, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Nuclear Corp., 2-3-4	550 Fifth Ave, New York 28	NY
GENERAL RADIO CO., 1-3-5-6-7, Adv Pg 285	**West Concord**	**Mass**
Geotronic Labs., Inc., 2-3-9	1314 Cedar Hill Ave, Dallas 8	Tex
Glentronics, Inc., 1-2-3-4-5-6-7-8-9	857 E. Alosta Ave, Glendora	Cal
Good Electronic Corp., 3-4-5-6-7	P.O. Box 2406, W. Palm Beach	Fla
Green Rectifier Co., 1-2-3-4-5-6-7-8	1-10 30th St, Fair Lawn	NJ
Grimson Color, Inc., 5	381 4th Ave, New York 16	NY
Guardian Electric Mfg. Co., 2-3-4-5-6-7-9	1621 W. Walnut St, Chicago 12	Ill
Gulton Industries, Inc., 2-3-4-8	212 Durham Ave, Metuchen	NJ
Gyra Electronics Corp., 1-2-3-4-5-6-7-9	P.O. Box 184, La Grange	Ill
Hagan Chemicals & Controls, Inc., 3	Hagan Center, Pittsburgh 30	Pa
Hamner Electronics Co., Inc., 1-3	P.O. Box 531, Princeton	NJ
HARRISON LABORATORIES, INC., 1-2-3-5-7-8-9, Adv. Pgs. 351, 352	**45 Industrial Rd, Berkeley Heights**	**NJ**
Harvey-Wells Electronics, Inc., 1-2-4-5-6-7-8-9	North St, Southbridge	Mass
Hathaway Instruments, Inc., 1-2-3-4-8-9	5800 E. Jewell Ave, Denver 22	Colo
Heath Co., A Sub of Daystrom, Inc., 2-3-5-7-9	Benton Harbor	Mich
Heinz-Mueller Engineering Co., Inc., 4	4725 Iowa St, Chicago 51	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2-4-5-6-7-8-9	P.O. Box 978, Garland	Tex
Hesco Engineering Co., 2	322 E. Beach Ave, Inglewood 3	Cal
HEWLETT-PACKARD CO., 1-2-3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hill Research Co., 1-5-6-7	49 Buckeye Ave, Oakland 18	Cal
Hoffman Co., H.L., 1-2-3-4	35 Old County Rd, Westbury	NY
Huyck Systems Co., 1-2-3-4-9	360 Wolf Hill Rd, Huntington Sta	NY
HYDRO AIRE CO., 1-2-3-4-5-6-7-8, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
Hyperion, Inc., 2-3-4-5-6-7-8-9	76 Coolidge Hill Rd, Watertown 72	Mass
I-L-S Instrument Div., Meriam Instrument Co., 3-5	4525 W. 160th St, Cleveland 35	Ohio
ITT Laboratories, 1	500 Washington Ave, Nutley 10	NJ
Industron Corp., 6-7	55 Needham St, Newton Highlands	Mass
Infrared Industries, Inc., 3	Waltham 54	Mass
Intercontinental Dynamics Corp., 2-5	170 Coolidge Ave, Englewood	NJ
Intercontinental Electronics, 2-3-4-5-7-8	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 1-2-3-4-5-6-7-8, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Electronics Mfg. Co., 1-2-3-5	Greenwood Acres, Annapolis	Md
International Research Associates, 2-5-8	2221 Warwick Ave, Santa Monica	Cal
Intl Tel & Tel Corp., Industrial Products Div., 1-2-3-4	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp., 1-5	707 E. Vermont Ave, Anaheim	Cal
Invar Electronics Corp., 2-3-4-5-6-9	323 W. Washington, Pasadena	Cal
Isotope Developments, Ltd., 1	Beenham Grange, Reading, Berks, England	
JERROLD ELECTRONICS CORP., 5, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Johnson Electronics, Inc., 2-3-4-5-8-9	P.O. Box 1675, Casselberry	Fla
JULIE RESEARCH LABS., 3-9, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., 2-3-4-8-9, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keithley Instruments, Inc., 1-2-3-9	12415 Euclid Ave, Cleveland 6	Ohio
KEPCO, INC., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 71, 72	**131-38 Sanford Ave, Flushing 55**	**NY**
Kilovolt Corp., 1-6-7	2 Manor House Sq, Yonkers	NY
Kingston Electronics, Div., King. Ind., Inc., 7	Medfield	Mass
Knight Electronics, 4	210 S. Des Plaines St, Chicago 6	Ill
KROHN-HITE CORP., 2-3-5-7-8, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
Kupfrian Mfg. Corp., 3-4	398 State St, Binghamton	NY
Kurz & Root Co., 2-4-5-6-7-8	Appleton	Wisc
LAMBDA ELECTRONICS CORP., 2-3-5-6-7-8-9, Adv. Pgs. 89-96	**11-11-131 St, College Point 56**	**NY**
Land-Air, Inc., 2-3-4	7444 W. Wilson Ave, Chicago 31	Ill
Lawn Electronics Corp., 1-2-3-4-5-6-7-8-9	Woodward Rd, Englishtown	NJ
Leach Corp., 2-3-4	18435 Susana Rd, Compton	Cal
Lear, Inc., 2-3-4-5-8	3171 S. Bundy Dr, Santa Monica	Cal
Lee Electric & Mfg. Co., 1-2-3-4-5-6-7	2806 Clearwater St, Los Angeles 39	Cal
Leeds & Northrup Co., 3	4970 Stenton Ave, Philadelphia 44	Pa
Leland Airborne Products, Div., AMF, 1-2-3-4	P.O. Box 128, Vandalia	Ohio
Levinthal Electronic Products, Inc., 1-6-7	3180 Hanover St, Palo Alto	Cal
Lumen, Inc., 2-4	P.O. Box 905, Joliet	Ill
MACARR, INC., 2-3-4, Adv Pg 534	**4360 Bullard Ave, Bronx**	**NY**
Magnatran, Inc., 1-6-7	P.O. Box 211, Kearny	NJ
MAGNETIC AMPLIFIERS, INC., 2-4-5-6-7, Adv Pg 180	**632 Tinton Ave., New York 55**	**NY**
Magnetic Circuit Elements, Inc., 2	3722 Park Pl, Montrose	Cal
MAGNETIC CONTROLS CO., 2-4-5-8-9, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Magnetic Research Corp., 2-3-4-8-9	3160 W. El Segundo Blvd, Hawthorne	Cal
Magnetico, Inc., 4	6 Richter Ct, East Northport	NY
Mallory & Co., Inc., P.R., 2-9	34 S. Gray St, Indianapolis 6	Ind
MANSON LABORATORIES, INC., 1-5-6-7-8, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Marsland Engineering, Ltd., 2-3	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp., 2-3-4-9	204 Babylon Trnpk, Roosevelt	NY
Matthew Labs., 2-3-4-5-6-7-8-9	3344 Ft. Independence St, Bronx 63	NY
Meredith & Co., Ltd., C.C., 2-4-5-6-7	80 Thomas St, Streetsville, Ontario, Canada	
Meterlog Corp., 2-3-4-5-6-7-8-9	169 N. Halstead St, Pasadena	Cal
Micro Gee Products, Inc., 2-3-4-5-6-7	6319 W. Slauson, Box 1005, Culver City	Cal
MICROWAVE COMPONENTS, INC., 1, Adv Pg 517	**Doylestown**	**Pa**
Microwave Development Labs. Inc., 1	92 Broad St, Babson Park 57	Mass
Microwave Electronic Tube Co., Inc., 1-2-3-4-5-6-7-8-9	76 Lafayette St, Salem	Mass
MID-EASTERN ELECTRONIC, INC., 2-3-4-5-6-7-8-9, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Millen Mfg. Co., James, 1-3-6	150 Exchange St, Malden	Mass
Miratel, Inc., 1-2-3-4-7	1080 Dionne St, St. Paul	Minn
Model Rectifier Corp., 2-3-4	1675 Utica Ave, Brooklyn 34	NY
Modern Industries, Inc., 2-3-4-5-6-7-8	5755 Camille Ave, Culver City	Cal
Moeller Instrument Co., Electronics Div., 3	132nd St & 89th Ave, Richmond Hill 18	NY
MOLONEY ELECTRIC CO., 1-5-6-7-8, Adv. Pgs. 258, 259	**5390 Bircher Blvd, St. Louis 20**	**Mo**
Moran Instrument Corp., 1	170 E. Orange Grove Ave, Pasadena 3	Cal
Motoresearch Co., 2	1405 16th St, Racine	Wisc
Moulic Specialties Co., 6-7	1007 W. Washington St, Bloomington	Ill
Mullard Equipment, Ltd., 4-5-7	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 5-6	21470 Coolidge Hwy, Oak Park	Mich
NJE Corp., 1-2-3-4-5-6-7-8-9	345 Carnegie Ave, Kenilworth	NJ
NAVIGATION COMPUTER CORP., 2, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Neff Instrument Corp., 3	2211 E. Foothill Blvd, Pasadena	Cal
Nelson Instrument Co., 4-5-6-7	607 Howard St, Evanston	Ill
Network Industries Inc., 2-3-4-5-6-7	P.O. Box 397, Bayonne	NJ
Networks Electronic Corp., 2-3-4-5-6-7-8-9	14806 Oxnard St, Van Nuys	Cal
Neutronic Associates Inc., 1	32 Tennessee Ave, Hempstead	NY
New London Instrument Co., 5-7	P.O. Box 189, New London	Conn
Newport Scientific Co., 1-2-3-4-5-6-7-8-9	638 W. 17th St, Costa Mesa	Cal
New York Transformer Co., Inc., 2-3-4-5-6-7-8	Third Ave, Alpha	NJ
Nichols, Ltd., R.H., 1-3	4544 Dufferin St, Downsview, Ontario, Canada	
NORTH HILLS ELECTRIC CO., INC., 1-2-3-9-, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Northeast Scientific Corp., 1-2-3-5	30 Wetherbee St, Acton	Mass
NUCLEAR ELECTRONICS CORP., 1-2-3-5, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Nutron Mfg. Co., Inc., 2-3-4-5-6-7-8-9	67 Monroe Ave, Staten Island 1	NY
OPAD ELECTRIC CO., 1-2-3-4-5-6-7-8-9, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Oregon Electronic Mfg. Co., 2-3-5-6-7	2105 S.E. 6th Ave, Portland 14	Ore
Otis Elevator Co., 1-2-3-4-5-6-8-9	35 Ryerson St, Brooklyn 5	NY
OWEN LABORATORIES, INC., 2-3-4-9, Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
PRD ELECTRONICS, INC., 1, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Pacific Automation Products, Inc., 2-3-9	1000 Air Way, Glendale	Cal
Pacific Magnetic Corp., 2	Electronic Center, Romoland	Cal
Pacific Mercury Electronics, 2-3-5	8345 Hayvenhurst Ave, Sepulveda	Cal
Packard Bell Computer Corp., 2-3-4-9	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5-6-7-8, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Parks Lab., Henry F., 2-3-4	Box 1665, Lake City Sta, Seattle	Wash
Peer, Incorporated, 1-5-6-7	2624 Shelby St, Dallas 19	Tex
Pendar, Inc., 2-4	14744 Arminta St, Van Nuys	Cal
Penn Keystone Corp., 2	P.O. Box 350, Hawkins St, Derby	Conn
Pennsylvania Testing Lab., Inc., 1	Doylestown	Pa
Performance Measurements Co., 2-3-9	15120 Third Ave, Detroit 3	Mich
Perkin Engineering Corp., 1-2-3-4	345 Kansas St, El Segundo	Cal
PESCHEL ELECTRONICS, INC., 1-3-4-6-7-8, Adv Pg 342	**Rt. 216, Towners, Petterson**	**NY**
PHILBRICK RESEARCHES, INC., GEORGE A., 2-4-5-9, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philips Electronic Instruments, 1	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V., 3-5-7	Eindhoven, Netherlands	
Picker X Ray Corp., 1	25 S. Broadway, White Plains	NY
Pintsch Bamag AG, 1-3	Postfach 11, Butzbach, Germany	
Plastic Capacitors, Inc., 1-5-6-8	2620 N. Clybourn Ave, Chicago 14	Ill
POLARAD ELECTRONICS CORP., 1, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 1, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Potter Co., The, 1	1950 Sheridan Rd, North Chicago	Ill
POWER DESIGNS, INC., 1-2-3-4-5-6-7-8-9, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Equipment Co., 2-4-5-6-7-8-9	Portland Way N., Galion	Ohio
Power Sources, Inc., 1-2-3-4-5-7-8	South Ave, Burlington	Mass
Power Supplies, Inc., 1-2-3-4-5-6-7-8-9	1007 Olive St, Highland	Ill
PRECISE MEASUREMENTS CO., 1-6-7, Adv Pg 204	**R.D. 1, Millbrooks, Flemington**	**NJ**
PRECISION APPARATUS CO., INC., 4, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Precision Electronics, 1-3-4-6-8	427 Plain St, Marshfield	Mass
PREMIER INSTRUMENT CORP., 1, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Quan-Tech Laboratories, Inc., 2-3	60 Parsippany Blvd, Boonton	NJ
RS ELECTRONICS CORP., 1, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radiation Counter Labs., Inc., 1	5121 W. Grove St, Skokie	Ill
Radiation Dynamics, Inc., 1	1800 Shames Dr, Westbury	NY
Radiation, Inc., 3	Melbourne	Fla
Radio Corp of America Indl Electronic Prods, 1-2-5-6-7	Front & Cooper, Camden	NJ
Radio Engineering Labs., Inc., 1	29-01 Borden Ave, Long Island City 1	NY
Radiometer, 7	72 Emdrupvej, Copenhagen NV 1, Denmark	
Ram Electronics, Inc., 2-3-4	600 Industrial Ave, Paramus	NJ
Ramyr Mfg. Co., 3-4	1779 N. Main St, Los Angeles 31	Cal
Rank Cintel Ltd., 1	Worsley Bridge Rd, London S.E. 26, England	
Ransom Research, Inc., 2-4	374 W. 8th St, Box 269, San Pedro	Cal
Rapid Electric Co., 3	2881 Middletown Rd, Bronx 61	NY
Ready-Power Co	11231 Freud Ave, Detroit 14	Mich
REFLECTONE ELECTRONICS, INC., 3, Adv Pg 240	**Post Rd & Myano Ln, Stamford**	**Conn**
Regulators, Inc., 2	455 W. Main St, Wyckoff	NJ
Remanco, Inc., 9	1805 Colorado, Santa Monica	Cal
Research Industrial Labs of Electronics, 1	Roslyn	Pa
RIBET DESJARDINS, 1-5-7, Adv. Pgs. 331-334	**13 Rue Periet, Montrouge, France**	
Richardson-Allen Corp., 2-3-4-5-6	116-15 15th Ave, College Point	NY
Ridgefield Instrument Group, Schlumberger Corp., 2-5	P.O. Box 307, Ridgefield	Conn
Rodale Electronics, 2-3	562 Grand Blvd, Westbury	NY
S-E Laboratories Ltd., 2-3	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Sanford Miller Co., 3	11 Lynch St, Brooklyn 11	NY
Sangamo Electric Co., 1-2-3-4	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 3-4, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Schauer Mfg. Corp., 3	4521 Alpine Ave, Cincinnati 42	Ohio
Scientific Electric, Inc., 1-3-5-6-7	105-119 Monroe St, Garfield	NJ
Seco Mfg. Co., 2	5015 Penn Ave S., Minneapolis	Minn
Sel-Rex Corp., 2-3-4-5-6-7-8	75 River Rd, Nutley 10	NJ
SENSITIVE RESEARCH INSTRUMENT CORP., 9, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Servomex Controls Ltd., 2-3-5	Crowborough, Sussex, England	
Servo-Tek Products Co., Inc., 2-3-9	1086 Goffle Rd, Hawthorne	NJ
Slaughter Co., 1	Piqua 9	Ohio
Smith-Florence, Inc., 1-2-3-4-5-7-8-9	4228 23rd W., Seattle	Wash
SOLA ELECTRIC CO., 2-3-9, Adv. Pgs. 233-236	**4633 W. 16th St, Chicago 50**	**Ill**
Solartron, Inc., 1-2-3-9	1742 S. Zeyn St, Anaheim	Cal

Solidyne, 2-3-4	7460 Girard Ave, La Jolla	Cal
SORENSEN & CO., INC., 1-2-3-4-5-9, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Sorensen Industrial Electronic Co., 2-4	Rt 10, Dover	NJ
Southwestern Ind. Electronics Co., 2-4-5-6-7-8-9	10201 Westheimer Rd, Houston 19	Tex
Sparton Corp., 2-4	2400 E. Ganson St, Jackson	Mich
Specialty Electronics Development Corp., 3	Eileen Way, Syosset	NY
Spec-Tronics, 2-3-4	13942 Saticoy Ave, Van Nuys	Cal
SPELLMAN HIGH VOLTAGE CO., 1-5-7, Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**
SPERRY MICROWAVE ELECTRONICS CO., 1, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sprague Engineering Corp., 2-3-4	19300 S. Vermont Ave, Gardena	Cal
Standard Electronics Div., Reeves Instrument Corp., 5-6-7-8	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-3-4-5-6-7-8	63 Aldwych, London W. C. 2	England
State Testing Laboratory, Inc., 2-4-6-7	215 Knowlton St, Bridgeport 8	Conn
Strand Laboratories, Inc., 1	294 Centre St, Newton 58	Mass
Stratocon Corp., 2	P.O. Box 10, Morristown	NJ
Superior Electric Co., 3-7	83 Laurel St, Bristol	Conn
Tamar Electronics, Inc., 2	2045 W. Rosecrans Ave, Gardena	Cal
Tarc Electronics, Inc., 3-5	48 Urban Ave, Westbury	NY
TECHNICAL APPARATUS BUILDERS, 2-3-4-5-6-7, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Technical Measurement Corp., 1	441 Washington Ave, North Haven	Conn
TECHNOLOGY INSTRUMENT CORP., 2-3, Adv Pg 223	**533 Main St, Acton**	**Mass**
TELECHROME MFG. CORP., 1-2-3-4-5-6-7-8-9, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telemeter Magnetics, Inc., 2-9	P.O. Box 329, Culver City	Cal
TELEVISION UTILITIES CORP., DIV OF NORD, 5-7, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Telex, Inc., 3	Telex Park, St. Paul 1	Minn
Tel-Instrument Electronics Corp., 1-6-7	728 Garden St, Carlstadt	NJ
Ten Bosch, Inc., M., 2-3-4	80 Wheeler Ave, Pleasantville	NY
Tenco Electronics, Inc., 2-3-4-5-6-7-8	811 Boylston St, Boston	Mass
Ther Electric & Machine Works	17 S. Jefferson St, Chicago 6	Ill
TOROTEL, INC., 2-4-8-9, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 2-3-4-6-8, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Trans Electronics, Inc., 1-2-3-4-5-6-7-8-9	7349 Canoga Ave, Canoga Park	Cal
Transistor Devices, Inc., 2-3-4-5-6-7-8-9	626 Schuyler Ave, Kearny	NJ
Transistor Electronics Corp., 4	3357 Republic Ave, Minneapolis 26	Minn
TRANSISTOR SPECIALTIES, INC., 1-2-3-4, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Transonic, Inc., 2-4-5-6-7-8-9	808 16th St, Bakersfield	Cal
Transval Electronics Corp., 1-2-3-4-9	2030 Maple Ave, El Segundo	Cal
TRENTON TRANSFORMER CORP., 1-2-3-4-5-6-7-8, Adv Pg 541	**P.O.Box 568B, Trenton**	**NJ**
Trott Electronics, Inc., 2-3-4-5-6-7-9	412 Smith St, Rochester 8	NY
Trygon Electronics, Inc., 1-2-3-4-5-6-7-8-9	111 Pleasant Ave, Roosevelt	NY
Tullamore Electronics Corp.	6055 S. Ashland Ave, Chicago 36	Ill
United Electrodynamics, Inc., 2-3-5-8	200 Allendale Rd, Pasadena	Cal
UNIVERSAL ELECTRONICS CO., 2-3-4-5-7-8, Adv Pg 515	**1720 22nd St, Santa Monica**	**Cal**
Universal Transistor Products Corp., 1-2-3-4-5-6-7-8-9	36 Sylvester St, Westbury	NY
Utrad Corp., Div., Litton Ind., 2-3-4-5-6-8-9	305 N. Briant, Huntington	Ind
Valor Instruments, Inc., 2-3-4-5-6-7-8-9	13214 Crenshaw Blvd, Gardena	Cal
Van Norman Industries, Elect Div., 1-2-3-4-5-6-7-8	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 1-2-4-5-6-7-8, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1-2-3-4-5-6-7-8-9, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., 2-3-5, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Venner Electronics Ltd., 2	Kingston By-Pass, New Malden, England	
Vibration Research Labs., Inc., 2-3-4	58 Marbledale Rd, Tuckahoe	NY
Victory Electronics, Inc., 1-2-3-4-5-6-7-8-9	50 Bond St, Westbury	NY
Video Instruments Co., Inc., 2-3	3002 Penna. Ave, Santa Monica	Cal
Viking Industries, Inc., 2	21343 Roscoe Blvd, Canoga Park	Cal
Virginia Electronics Co., Inc., 1	5209 River Rd, Washington 16	DC
Waber Electronics, Inc., 2-3-4	Hancock & Sommerset, Philadelphia 33	Pa
WALLSON ASSOCIATES, INC., 1-2-3-4-5-6-7-8-9, Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Warren Mfg. Co., Inc., 2	Newtown Rd, Littleton	Mass
WATERMAN PRODUCTS CO., INC., 3, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
WEINSCHEL ENGINEERING CO., INC., 1, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Wesco Electrical Co., Inc., 1-3-5-6-7-8	27 Olive St, Greenfield	Mass
West Coast Research Corp., 2-3-9	2102 S. Sepulveda Blvd, Los Angeles	Cal
Western Design Div., U.S. Industries, Inc., 2-3-4-5-6-7-9	Goleta	Cal
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2-4-5-6-7-8, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wickes Engineering & Construction Co., 2-3-4-5-6-7-8-9	12th St & Ferry Ave, Camden 4	NJ
Wintronics, 2-4	213 S. Hawthorne Blvd, Hawthorne	Cal

PREAMPLIFIERS – A-F See **AMPLIFIERS – A-F**, *PREAMPLIFIERS*
PREAMPLIFIERS –*COMMUNICATION RECEIVERS* See **AMPLIFIERS – R-F**
PREAMPLIFIERS –*OSCILLOSCOPE* See **AMPLIFIERS – R-F**
PREAMPLIFIERS –*STEREO* See **AMPLIFIERS – A-F**, *STEREO*
PREAMPLIFYING SATURABLE REACTORS See **REACTORS** –*SATURABLE*
PREFORMS See **FORMS** –*EPOXY PREFORMS*

PREFORMS
1. ALLOYS 2. ALUMINIUM 3. BRAZING 4. GOLD 5. SILVER

Accurate Specialties Co., Inc., 1-2-3-4-5	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-2-3-4-5	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals Inc., 1-2-3-4-5	600 Water St, Jersey City	NJ
KESTER SOLDER CO., 1-2-3-4-5, Adv Pg 554	**4212 Wrightwood Ave, Chicago 39**	**Ill**
MILHAUPT ENGINEERING CO., LUCAS, 1-2-3-4-5, Adv Pg 495	**5075 S. Lake Dr, Cudahy**	**Wisc**
Williams Gold Refng Co., Inc., 4	2978 Main St, Buffalo 14	NY

PRECIPITATORS –*DUST & SMOKE, ELECTRONIC* See *Also* **CLEANERS** –*AIR*

Cambridge Filter Corp	738 E. Erie Blvd, Syracuse 1	NY
Condenser Products Div., New Haven Clock & Watch Co.	140 Hamilton St, New Haven	Conn
Electro-Air Cleaner Co., Inc.	Olivia & Sproul Sts, McKees Rocks	Pa
Houston Fearless Corp.	11801 W. Olympic Blvd, Los Angeles 64	Cal
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Radex Corp	2076 N. Elston Ave, Chicago 14	Ill
SPELLMAN HIGH VOLTAGE CO., Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**

PRECISION CASTINGS See **CASTINGS**
PRECISION-MATCHED TRANSFORMERS See **TRANSFORMERS** –*IRON-CORE, SPECIAL*
PRECISION VOLTAGE-DIVIDING TRANSFORMERS See **TRANSFORMERS** – *IRON-CORE, SPECIAL*

PRESELECTORS

AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
EMPIRE DEVICES PRODUCTS CORP., Adv Pgs 454	**Amsterdam**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
International Electronics Mfg. Co.	Greenwood Acres, Annapolis	Md
Meridian Metalcraft, Inc.	8739 S. Millergrove Dr, Whittier	Cal

PRESET COUNTERS See **COUNTERS** –*ELECTRONIC, PREDETERMINED*
PRESSES –*METAL-FORMING* See **MACHINES** –*METAL-FORMING*
PRESSURE CHAMBERS See **CHAMBERS**
PRESSURE CONTROLS See **CONTROLS** –*PRESSURE*
PRESSURE GAGES See **TRANSDUCERS** –*PRESSURE*
PRESSURE INDICATORS See **INDICATORS** –*PRESSURE*
PRESSURE RECORDERS See **RECORDERS** –*PRESSURE*
PRESSURE-SENSITIVE LABELS See **LABELS**
PRESSURE TRANSDUCERS See **TRANSDUCERS**

PRESSURIZATION UNITS –*AIRBORNE*

Burton Instruments, Div Burton Mfg	2520 Colorado Ave, Santa Monica	Cal
Churchill Lighting Corp	344 Franklin St, Melrose 76	Mass
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Intercontinental Electronics	1551 Franklin Ave, Mineola	NY
Kahn & Co., Inc	885 Wells Rd, Wethersfield	Conn
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

PRESSURIZING WINDOWS See **WINDOWS** –*PRESSURIZING*
PRINTED CABLES See **CABLES** –*FLAT*
PRINTED-CIRCUIT ASSEMBLIES See **CIRCUITS** –*PACKAGED*
PRINTED-CIRCUIT ASSEMBLY MACHINES See **MACHINES** –*ASSEMBLY*
PRINTED-CIRCUIT ASSEMBLY TESTERS See **TESTERS** –*PRINTED-CIRCUIT ASSEMBLY*
PRINTED-CIRCUIT BOARD HOLDERS See **FIXTURES** –*HOLDING*
PRINTED-CIRCUIT BOARDS See **LAMINATES** –*COPPER-CLAD*
PRINTED CIRCUIT CAMERAS See **CAMERAS** –*PHOTOGRAPHIC*
PRINTED-CIRCUIT CHEMICALS See **CHEMICALS** –*PRINTED-CIRCUIT*
PRINTED-CIRCUIT CLEANERS See **CHEMICALS** –*PRINTED-CIRCUIT*
PRINTED-CIRCUIT COMPONENTS See **LISTINGS FOR DESIRED COMPONENTS**
PRINTED-CIRCUIT CONNECTORS See **CONNECTORS**
PRINTED-CIRCUIT PACKAGES See **CIRCUITS** –*PACKAGED*
PRINTED-CIRCUIT PAINTS See **PAINTS** –*PRINTED-CIRCUIT*
PRINTED-CIRCUIT PRODUCTION MACHINES See **MACHINES** –*PRINTED-CIRCUIT PRODUCTION*
PRINTED-CIRCUIT SCREENS See **SCREENS**
PRINTED ELECTRONIC COMPONENTS See **CAPACITOR DISKS:**
PRINTED WIRING BOARDS See **CIRCUITS** –*PRINTED WIRING, CUSTOM SERVICE*
PRINTED WIRING –*FLEXIBLE* See **WIRING** –*PRINTED FLEXIBLE*

PRINTERS
1. DIGITAL 2. HIGH-SPEED 3. KEYBOARD (ELECTRIC TYPEWRITER MODIFIED FOR COMPUTER USE) 4. LINE

AEG, 2	Hochhaus Sued, Frankfurt/Main, Germany	
Addressograph-Multigraph, Electronics Div., 1-2-4	1200 Babbitt Rd, Cleveland 17	Ohio
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
American Bosch Arma Corp., 1-2	320 Fulton Ave, Hempstead	NY
American Electronics, Inc., Taller Cooper Div., 4	75 Front St, Brooklyn 1	NY
ANelex Corp., 1-2	150 Causeway St, Boston 14	Mass
BECKMAN/BERKELEY DIV., 1-2, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bendix Aviation Corp., Computer Div., 3	5630 Arbor Vitae St, L A 45	Cal
Benson-Lehner Corp., 1-3	1860 Franklin, Santa Monica	Cal
Budd Lewyt Electronics, Inc., 1-3	43-22 Queens St, Long Island City 1	NY
Clary Corp., 1-2	San Gabriel	Cal
Computer Measurements Corp., 1-2	5528 Vineland Ave, North Hollywood	Cal
Computing Devices of Canada, Ltd., 1-3	P.O. Box 508, Ottawa, Ontario, Canada	
Concord Control, Inc., 3	1282 Soldiers Field Rd, Boston 35	Mass
Data Equipment Co., 1-2-3-4	923 E. 3rd St, Los Angeles 13	Cal
Datex Corp., 1	1307 S. Myrtle Ave, Monrovia	Cal
Detecto Scales, Inc., 1	540 Park Ave, Brooklyn	NY
Di An Controls, Inc., 1	40 Leon St, Boston 15	Mass
Dimensions, Inc., 3	7314 – 20th Ave, Brooklyn 4	NY
Electronic Associates, Inc., 1-2-3	Long Branch	NJ
El-Tronics Inc., 1-2-3	20 S. 15th St, Philadelphia 2	Pa
Epsco-West, 1-2	240 E. Palais Rd, Anaheim	Cal
Evershed & Vignoles Ltd., 1	Chiswick, London W. 4, England	
Flame Research, Inc., 2	P.O. Box 10502, Pittsburgh 35	Pa
GPL Div., General Precision, Inc., 1	63 Bedford Rd, Pleasantville	NY
HEWLETT-PACKARD CO., 1, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hogan Faximile Corp., 1-2	155 Perry St, New York 14	NY
I B M Federal Systems Div., 1-2-3-4	326 E. Montgomery Ave, Rockville	Md
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
Landis & Gyr, Inc., 1	45 W. 45 St, New York 36	NY
Monroe Calculating Machine, Co., Div., Litton Industries, 1	555 Mitchell St, Orange	NJ
Moran Instrument Corp., 1	170 E. Orange Grove Ave, Pasadena 3	Cal
National Cash Register Co., 2-4	S. Main at K St, Dayton 9	Ohio

NORTHEASTERN ENGINEERING, INC., 1, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Potter Instrument Co., Inc., 1-2-4	Sunnyside Blvd, Plainview	NY
Presin Co., 1	2014 Broadway, Santa Monica	Cal
Printloid Inc., 2-4	10-04 44th Ave, Long Island City 1	NY
Radiation, Inc., 1-2	Melbourne	Fla
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Ransom Research, Inc., 1	374 W. 8th St, Box 269, San Pedro	Cal
Remington Rand Div., Sperry Rand Corp., 1-2-3	315 Park Ave S., New York 10	NY
Shepard Labs., Inc., 1-2	Broad St at Park, Summit	NJ
Soroban Engineering, Inc., 1-3	P.O. Box 1717, Melbourne	Fla
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	England
Systron Corp., 1	950 Galindo St, Concord	Cal
Technitrol Engineering Co., 2-4	1952 E. Allegheny Ave, Philadelphia 34	Pa
TELECHROME MFG. CORP., 1, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Teletype Corp., 4	5555 W. Touhy Ave, Skokie	Ill
Venner Electronics Ltd., 1	Kingston By-Pass, New Malden, England	
Victor Adding Machine Co., 1-2-3-4	3900 N. Rockwell St, Chicago 18	Ill
Wang Laboratories, Inc., 1	12 Huron Dr, Natick	Mass

PRINTERS *—PRINTED-CIRCUIT* See MACHINES *—PRINTED-CIRCUIT PRODUCTION*
PRINTING REGISTER CONTROLS See CONTROLS *—PHOTOELECTRIC*
PRINT-OUT COUNTERS See COUNTERS *—ELECTRONIC*

PROBES
1. HIGH-VOLTAGE 2. MICROWAVE 3. OSCILLOSCOPE 4. R-F, FOR VTVM 5. TEST LEAD

Ace Plastic Co., 1	91-54 Van Wyck Expwy, Jamaica 35	NY
Aerolite Electronics Corp., 5	2207 Summit Ave, Union City	NJ
Aircom, Inc., 2	48 Cummington St, Boston	Mass
Air-O-Tronics Engineering Co., 5	P.O. Box 31, Lancaster	Cal
Airtec, Inc., 2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 2	200 E. Hanover Ave, Morris Plains	NJ
ALDEN PRODUCTS CO., 5, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Amatom Electronic Hardware Co., Inc., 5	88 Drake Ave, New Rochelle	NY
AMERAC, INC., 2, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
Ampco Mfg. Co., 1-3-5	246 E. 2nd St, Plainfield	NJ
Analab Instrument Corp., 3	30 Canfield Rd, Cedar Grove	NJ
AUTOMATIC COIL CO., 1-4-5, Adv Pg 482	**199 Sackett St, Brooklyn**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 2, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Avionics Corp., 1	Maple Ave & Horsham Rd, Horsham	Pa
Bendix-Pacific Div., Bendix Aviation, 2	11600 Sherman Way, North Hollywood	Cal
BIRNBACH RADIO CO., INC., 5, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boesch Mfg. Co., 4	45 River St, Danbury	Conn
BUDD-STANLEY CO., INC., 2, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp., 2	301 W. Hoffman Ave, Lindenhurst	NY
CAMBRIDGE THERMIONIC CORP., 5, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Clary Corp	San Gabriel	Cal
Control Devices, Inc., 1	925 S. Eton Rd, Birmingham	Mich
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DAVEN CO., 4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DEMORNAY-BONARDI, 2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 2-4-5	River St, Winchester	Mass
Dorne & Margolin, Inc., 2	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., 2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Du Mont Labs., Inc., Allen B., 1-3-4	750 Bloomfield Ave, Clifton	NJ
Dynamic Electronics, Capehart Corp., 1-3-4	87-46 123 St, Richmond Hill 18	NY
Electro Instruments, Inc., 1	3540 Aero Ct, San Diego	Cal
Electronic Applications, Inc., 2	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 1-3-4, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 1-3-4-5	625 Broadway, New York 12	NY
FXR, INC., 2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Forway Industries, Inc., 5	122 Green Ave, Woodbury	NJ
G-C ELECTRONICS CO., 1-5, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Gombos Co., Inc., John, 2	Webro Rd, Clifton	NJ
Heath Co., A Sub of Daystrom, Inc., 1-3-4	Benton Harbor	Mich
HEWLETT-PACKARD CO., 1-3-5, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 1-4	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 2-3	35 Old County Rd, Westbury	NY
ITI Electronics Inc., 3	369 Lexington Ave, Clifton	NJ
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
Javex Electronics, 1	P.O. Box 646, Redlands	Cal
Keystone Electronics Corp., 1-5	49 Bleecker St, New York 12	NY
Knight Electronics, 1-3-4	210 S. Des Plaines St, Chicago 6	Ill
LUMATRON ELECTRONIC, INC., 2-3, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
MEASUREMENTS DIV., McGRAW-EDISON CO., 3-4, Adv Pg 546	**Boonton**	**NJ**
MICROLAB, 2, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 2	Box 1166, Greenwich	Conn
Microtech, Inc., 2	Milldale Rd, Cheshire	Conn
MICROWAVE COMPONENTS, INC., 2, Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America, 2	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 2	92 Broad St, Babson Park 57	Mass
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
Miller Form Tool Co., Inc., 2	485 Robert Ave, Santa Clara	Cal
Model Engineering & Mfg., Inc., 3	Huntington	Ind
Molded Insulation Co., 1-3-4-5	355 E. Price St, Phila 44	Pa
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB., 3-4, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
Narda Microwave Corp., 2	118-160 Herricks Rd, Mineola	NY
Nichols Products Co., 2	323 W. Main St, Moorestown	NJ
Omega Laboratories, Inc., 2	P.O. Box 308, Rowley	Mass
Optomechanisms, Inc., 3	216 E. Second St, Mineola	NY
PESCHEL ELECTRONICS, INC., 1, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Philips' Gloeilampenfabrieken, N.V., 1-3	Eindhoven, Netherlands	
Pioneer Industries Div., Almar-York Co., Inc., 3	3455 W. Vickery, Fort Worth 7	Tex
PORTCHESTER INSTRUMENT CORP., 2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PRECISE MEASUREMENTS CO., 1, Adv Pg 204	**R.D. 1, Millbrooks, Flemington**	**NJ**
PRECISION APPARATUS CO., INC., 1-3-4-5, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
PREMIER INSTRUMENT CORP., 2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Probescope Co., 3	8 Sagamore Hill Dr, Port Washington	NY
Radar Measurements Corp., 2	190 Duffy Ave, Hicksville	NY
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-4, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radiometer, 1-4	72 Emdrupvej, Copenhagen NV 1, Denmark	
RIBET DESJARDINS, 3, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	
Rye Sound Corp., 5	145 Elm St, Mamaroneck	NY
Sage Laboratories, Inc., 2	3 Huron Dr, Natick	Mass
Sealectro Corp., 5	139 Hoyt Ave, Mamaroneck	NY
Simpson Electric Co., Div., American Gage & Machine Co., 1-3-4-5	5218 W. Kinzie St, Chicago 44	Ill
Smith, Inc., Herman H., 1-5	2326 Nostrand Ave, Brooklyn 10	NY
Solartron, Inc., 3	1742 S. Zeyn St, Anaheim	Cal
Specialty Electronics Development Corp., 4	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., 2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Tektronix Inc., 3	P.O. Box 831, Portland 7	Ore
Tri-Point Plastics, Inc., 1-5	175 E. U. Willets Rd, Albertson	NY
Van Norman Industries, Elect Div., 2	186 Granite St, Manchester	NH
Victor R.F. & Microwave Co., 2	36 W. Water St, Wakefield	Mass
WALSCO ELECTRONICS MFG. CO., 1-5, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
WATERMAN PRODUCTS CO., INC., 3, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
Waveline, Inc., 2	P.O. Box 718, Caldwell	NJ

PROBES *—TEMPERATURE* See THERMOCOUPLES
PROBLEM BOARDS See BOARDS *—COMPUTER*
PROCESS CONTROL COMPUTERS See COMPUTERS *—SPECIAL*
PROCESS CONTROL SIMULATORS See SIMULATORS
PRODUCTION MACHINES See MACHINES: TOOLS
PROFESSIONAL SERVICES See Page 612
PROFILING MACHINES See MACHINES *—ENGRAVING & PROFILING*
PROFILING SERVICES See ENGRAVING & PROFILING SERVICES

PROGRAMMERS *—COMPUTER*

AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Bulow Electric Co	11000 Capital Ave, Oak Park	Ill
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
International Business Machines Corp	590 Madison Ave, New York 22	NY
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Temco Electronics Div., Temco Aircraft Corp	P.O. Box 6191, Dallas 22	Tex
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

PROJECTION LAMPS See LAMPS
PROJECTION TUBES See TUBES *—CATHODE RAY*
PROJECTION UNITS-TV See RECEIVERS-TV
PROPORTIONAL COUNTERS See COUNTERS *—NUCLEAR-PARTICLE*
PROPORTIONING CONTROLS See CONTROLS *—PROPORTIONING*
PROPORTIONING REACTORS See REACTORS *—SATURABLE*
PROTECTIVE COATINGS See FINISHES

PROTECTORS *—SURGE*

Ampco Mfg. Co	246 E. 2nd St, Plainfield	NJ
EDAL INDUSTRIES, INC., Adv Pg 564	**64 Franklin St, New Haven 11**	**Conn**
KEYSTONE CARBON CO., RESISTOR DIV., Adv Pg 107	**St. Marys**	**Pa**

PROXIMITY INDICATORS See INDICATORS *—PROXIMITY*
PROXIMITY PICKUPS See COILS

PSYCHOGALVANOMETERS

Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Grason-Stadler Corp	Electronics Park, West Concord	Mass

PUBLIC-ADDRESS PAGING SYSTEMS See PAGING SYSTEMS

PUBLIC-ADDRESS SYSTEMS
1. FIXED INSTALLATIONS 2. MOBILE OR PORTABLE

Allied Radio Corp., 1-2	100 N. Western Ave, Chicago 80	Ill
American Development Electronics Co., 1	212 Central Ave, Newark	NJ
Audio Equipment Co., Inc., 2	75 Harbor Rd, Port Washington	NY
Audio-Master Corp., 2	17 East 45th St, New York 17	NY
Audiofax Associates, Inc., 1	P.O. Box 861, Stony Brook	NY
Audiotronics Corp., 2	11057 Weddington St, N. Hollywood	Cal
Bell Sound Div., TRW, Inc., 2	555 Marion Rd, Columbus	Ohio
Bliss Electronic Corp., 1	P.O. Box 366, Sussex	NJ
Bogen-Presto Div., Siegler Corp., 1-2	P.O. Box 500, Paramus	NJ
Continental Manufacturing, Inc., 1	1612 California St, Omaha	Neb
Dukane Corp., 1-2	St. Charles	Ill
Dynamic Electronics, Capehart Corp., 1	87-46 123 St, Richmond Hill 18	NY
Electron, 1-2	P.O. Box 8, Syracuse 11	NY
Electronic Research & Dev.Co., Ltd., 1	210 9th Ave, S.E., Calgary, Alberta, Canada	
Executone, Inc., 1	415 Lexington Ave, New York 17	NY
Fanon Electronic Industries, Inc., 1-2	439 Frelingheysen Ave, Newark	NJ
Galbraith-Pilot Marine Corp., 1	602 Fourth Ave, Brooklyn	NY
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
International Electronics Labs., GMBH, 1-2	Lottestr. 52, Hamburg, Lokstedt, Germany	
Karlson Associates, Inc., 1-2	433 Hempstead Ave, W. Hempstead	NY
Kinematic Systems, 1-2	41-11-49th St, Long Island City	NY
Loge Sound Engineers, J.M., 2	2171 W. Washington Blvd, Los Angeles 18	Cal
Lyncoach & Truck Co., Inc., 2	Oneonta	NY
Neill Co., Inc., R.W., 1	4320 W. Montrose, Chicago 41	Ill
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
PARAPLEGICS MFG. CO., INC., 1, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pye Telecommunications, Ltd., 2	Newmarket Rd, Cambridge, England	
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Radio Mfg. Engineers, Div., Electro Voice, Inc., 1-2	Buchanan	Mich
Rauland-Borg Corp., 1-2	3535 W. Addison St, Chicago 18	Ill
Remler Co	2101 Bryant St, San Francisco 10	Cal
Seg Electronics Co., Inc., 1	1778 Flatbush Ave, Brooklyn 10	NY
Simpson Mfg. Co., Inc., Mark, 1-2	32-28 49th St, Long Island City 3	NY
Specialty Electronics Development Corp., 2	Eileen Way, Syosset	NY
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	England

Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY
WILCOX ELECTRIC CO., 2, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**

PULLERS –*CRYSTAL* See **MACHINES** –*SEMICONDUCTOR CRYSTAL PRODUCTION*
PULSE AMPLIFIERS See **AMPLIFIERS – R-F**
PULSE COUNTERS See **COUNTERS** –*ELECTRONIC*
PULSE OSCILLATORS See *OSCILLATORS – R-F*
PULSE-FORMING NETWORKS See **CAPACITORS** –*FIXED*: **NETWORKS** – *PULSE-FORMING*
PULSE GENERATORS See **GENERATORS** –*SIGNAL*
PULSE HEIGHT ANALYZERS See **ANALYZERS** –*PULSE HEIGHT*
PULSE-HEIGHT INTEGRATORS See **INTEGRATORS**
PULSE INTERVAL TIMERS See **TIMERS** –*ELECTRONIC*
PULSE-LIMITING AMPLIFIERS See **AMPLIFIERS – R-F**
PULSE MODULATORS See **MODULATORS**
PULSE-RISE-TIME INDICATORS See **INDICATORS** –*PULSE-RISE-TIME*
PULSE-TIME-MODULATION TRANSMITTERS See **TRANSMITTERS** –*RADIO COMMUNICATION*
PULSE-TO-ANALOG CONVERTERS See **CONVERTERS** –*COMPUTER*
PULSE TRANSFORMERS See **TRANSFORMERS** –*IRON-CORE, SPECIAL*

PUMPS –*METERING*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Lear-Romec Div., Lear, Inc	Abbe Rd, Elyria	Ohio
Nichols Co., W.H.	Waltham 54	Mass
Robbins & Myers, Inc	1347 Lagonda Ave, Springfield	Ohio
Robinson Machine Co., Inc	286 Preakness Ave, Paterson 2	NJ
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Wallace & Tiernan, Inc.	25 Main St, Belleville 9	NJ

PUMPS –*VACUUM*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Applied Dynamics Corp	330 Bear Hill Rd, Waltham	Mass
Beach-Russ Co	620 U Graybar Bldg, New York 17	NY
Central Scientific Co	1700 Irving Park Rd, Chicago 13	Ill
Condolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
COSMIC INSTRUMENTS, INC., Adv Pg 515	**1028 Conn. Ave N.W., Washington 6**	**DC**
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Edwards High Vacuum(Canada)Ltd.	Box 515, Burlington, Ontario, Canada	
Hull Corp	Davisville Rd, Hatboro	Pa
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
International Pump & Machine Works	81 Dorsa Ave, Livingston	NJ
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
Kinney Vacuum Div., New York Air Brake Co	3529 Washington St, Boston	Mass
Lear-Romec Div., Lear, Inc	Abbe Rd, Elyria	Ohio
Leimen Bros.	148 Christie St, Newark	NJ
Litton Engineering Labs	P.O. Box 949, Grass Valley	Cal
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Nelson Vacuum Pump Co., George F.	2133 Fourth St, Berkeley 10	Cal
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
Red Point Corp	105 W. Spazier Ave, Burbank	Cal
Roots-Connersville Blowers	900 W. Mount St, Connersville	Ind
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Temperature Engineering Corp	1500 Union Landing Rd, Riverton	NJ
Ultek Corp	920 Commercial St, Palo Alto	Cal
VARIAN ASSOCIATES, Adv. Pgs., 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

PUNCHED-CARD OR PUNCHED-TAPE CONTROLS See **CONTROLS** – *MACHINE TOOL*
PUNCHED-CARD-TO-TAPE CONVERTERS See **CONVERTERS** –*COMPUTER*
PUNCHED CARD & TAPE READERS See **READERS**
PUNCHES –*PAPER TAPE* See **PERFORATORS**
PUNCHING EQUIPMENT See **MACHINES** –*PRINTED-CIRCUIT PRODUCTION*
PUNCHINGS –*PAPER* See **PAPER**
PUNCH PRESSES See **MACHINES** –*METAL PUNCH PRESSES*

PUSHBUTTONS

GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GRAYHILL, INC., Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Kirkland Co., H.R.	8 King St, Morristown	NJ
Murdock Corp	158 Carter St, Chelsea	Mass
Nelson Electric Mfg. Co	P.O. Box 5385, Tulsa 16	Okla
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**

PYROMETERS –*RADIATION*

Export Corp	13310 Foley, Detroit 27	Mich
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ
Servo Corp of America	111 New South Rd, Hicksville	NY
SHAW INSTRUMENT CORP., Adv Pg 527	**P.O. Box G-46, Latrobe**	**Pa**
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill

PYROMETERS –*THERMOCOUPLE* See **THERMOCOUPLES**
Q METERS See **METERS – Q**
Q COMPARATORS See **COMPARATORS – Q**
Q STANDARD COILS See **COILS**
Q STANDARDS See **STANDARDS**
QUARTZ CRYSTAL HOLDERS See **HOLDERS**
QUARTZ CRYSTALS See **CRYSTAL UNITS CRYSTAL BLANKS: CRYSTALS** –*PIEZOELECTRIC*

QUARTZ
1. FUSED, FINISHED PARTS 2. FUSED, RAW MATERIAL 3. NATURAL, FINISHED PARTS (EXCEPT CRYSTAL UNITS)-**TUBING** See **TUBING** – *NONMETALLIC*

Andersen Laboratories, Inc., 1	501 New Park Ave, West Hartford	Conn
Associated Engineering & Mfg. Corp., 1	Glen Ridge	NJ
Bausch & Lomb, 1-3	61461 Bausch St, Rochester 2	NY
BLACKBURN, INC., P.W., 1, Adv Pg 550	**67 Main St, Dobbs Ferry**	**NY**
Blacklight Corp of America, 1-2	5112 Walnut Grove Ave, San Gabriel	Cal
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Breon Laboratories, 2	1520 Evergreen Rd, Williamsport	Pa
Buhl Optical Co., 1	1009 Beech Ave, Pittsburgh 33	Pa
Connecticut Instrument Corp., 1	Route 7, Wilton	Conn
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 2, Adv Pg 485	**550 High St, Bradford**	**Pa**
Dallons Semiconductors Div., 1	5066 Santa Monica, L A 29	Cal
Diamond Drill Carbon Co	244 Madison Ave, New York 16	NY
Edmund Scientific Co., 2	502 E. Gloucester Pike, Barrington	NJ
Engelhard Industries, Inc., 1	113 Astor St, Newark 2	NJ
Fecker, Inc., J.W., 1	6592 Hamilton Ave, Pittsburgh 6	Pa
Fredericks Co., 1	Bethayres	Pa
General Electric Co., Lamp Glass Dept, EBG-8, 1-2	Nela Park, Cleveland 12	Ohio
GENERAL ELECTRIC CO., WILLOUGHBY QUARTZ PLANT, 1-3, Adv Pg 16	**Dept. EBG-60, Willoughby**	**Ohio**
Lewis Co., Inc., E.B., 1	11 Bragg St, East Hartford 8	Conn
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Meller Co., Adolf, 1-3	P.O. Box 702, Providence 1	RI
PEK Labs., Inc., 1	4024 Transport St, Palo Alto	Cal
PAN AMERICAN TRADE DEVELOPMENT CORP., Adv Pg 532	**2 Park Ave, New York 16**	**NY**
Piezo Crystal Co., 1-3	265 E. Pomfret St, Carlisle	Pa
Quartzite Processing, Inc., 1	197 Chelsea St, Everett	Mass
Republic Lens Co., Inc., 1	31 E. 169th St, New York 52	NY
SYNCOR PRODUCTS CO., 1-2, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 1	3609 Buffalo Spdwy, Houston 6	Tex
Thermal American Fused Quartz Co., Inc., 1	18-20 Salem St, Dover	NJ
VALPEY CRYSTAL CORP., 1-3, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Zenith Optical Laboratory, 1-3	1940 Great Neck Rd, Copiague	NY

QUARTZ –*RAW* See **CRYSTALS** –*PIEZOELECTRIC*

RACKS –*AGING, VACUUM TUBES & TRANSISTOR*

Alpitec Inc	49 Gleason Ave, Stamford	Conn
Amco Engineering Co	7333 W. Ainslie St, Chicago 31	Ill
CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
DAVEN CO., Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co	2530-32 N. Elston Ave, Chicago	Ill
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Eby Co., Hugh H.	4701 Germantown Ave, Philadelphia 44	Pa
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
MEASUREMENTS RESEARCH CO., Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
Midwest Metal Products Inc.	450 E. Donovan Rd, Kansas City 15	Kan
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Nutron Mfg. Co., Inc	67 Monroe Ave, Staten Island 1	NY
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
Pennsylvania Testing Lab., Inc	Doylestown	Pa
Research Industrial Labs of Electronics	Roslyn	Pa
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Tenco Electronics, Inc.	811 Boylston St, Boston	Mass
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Wright Equipment Corp	128 N. Main St, Milltown	NJ
Wyle Mfg. Corp	133 Center St, El Segundo	Cal
York Metal Products, Inc	350 Greenwich St, New York 13	NY

RACKS –*MOUNTING & RELAY*

ABALON PRECISION MFG. CORP., Adv Pg 450	**540 Casanova St, New York 59**	**NY**
ALDEN PRODUCTS CO., Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Alpitec Inc	49 Gleason Ave, Stamford	Conn
Amco Engineering Co	7333 W. Ainslie St, Chicago 31	Ill
Artisan Metal Works Co	11410 Madison Ave, Cleveland 2	Ohio
Baltic Metal Products Co.	126 Sutton St, Brooklyn 22	NY
Barry Controls, Inc	711 Pleasant St, Watertown 72	Mass
Bud Radio, Inc	2118 E. 55th St, Cleveland 3	Ohio
California Chassis Co	5445 E. Century Blvd, Lynwood	Cal
Craig Systems, Inc	360 Merrimack, Lawrence	Mass
Dahlstrom Metallic Door Co	Jamestown	NY
Donnelly Mfg. Co.	580 Winter St, Waltham 54	Mass
Electronic Research & Dev.Co., Ltd	210 9th Ave, S.E., Calgary, Alberta, Canada	
Elgin Metalformers Corp.	630 Congdon Ave, Elgin	NJ
Elzee Metal Products Co., Inc	779 39th St, Brooklyn 32	NY
ESCOTRONICS, Adv Pg 468	**7000 S. Vine St, LaGrange**	**Ill**
Eugene Engineering Co., Inc	1217 Hyde Park Ave, Hyde Park 36	Mass
Falstrom Co	44 Falstrom Ct, Passaic	NJ
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
Feiner & Sons, P.	524 W. 45 St, New York	NY
FORMICA METAL PRODUCTS CO., Adv Pg 531	**Corporation Way, Medford**	**Mass**
Forway Industries, Inc	122 Green Ave, Woodbury	NJ
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Holden-Massey Corp	140 Allen Blvd, Farmingdale	NY
Kuss Industries, Inc	Tacony & Lewis Sts, Philadelphia 24	Pa
Lynch Communication Systems Inc	695 Bryant St, San Francisco 7	Cal
Lynch Mfg. Co., R.H.	7831 E. Arroyo Dr, South San Gabriel	Cal
Metalworks, Inc	9th & Jefferson, Hermann	Mo
Midwest Metal Products, Inc	450 E. Donovan Rd, Kansas City 15	Kan
Midwest Metal Products Inc.	450 E. Donovan Rd, Kansas City 15	Kan
Mobil Electronics, Inc	1111 State Rd 67E, Anderson	Ind
Nelson Electric Mfg. Co	P.O. Box 5385, Tulsa 16	Okla
Nutron Mfg. Co., Inc	67 Monroe Ave, Staten Island 1	NY
P.B.R. MFG. CO., Adv Pg 518	**H & Luzerne Sts, Philadelphia 24**	**Pa**
Par-Metal Products Corp	32-62 49th St, Long Island City 3	NY
PREMIER METAL PRODUCTS CO., Adv Pg 424	**337 Manida St, Bronx 59**	**NY**
REF Mfg. Co	Jericho Tnpk, Mineola	NY
Radio Corp of America Indl Electronic Prods	Front & Cooper, Camden	NJ
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Standard Electronics Div., Reeves Instrument Corp	Lakewood Rd, Farmingdale	NJ
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
Vector Associates, Inc.	139-30 34th Rd, Flushing 54	NY
Wyco Metal Products	6918 Beck Ave, North Hollywood	Cal
York Metal Products, Inc	350 Greenwich St, New York 13	NY

RADAR *(Incl. C-W, DOPPLER & PULSE)*
1. AIRBORNE FIRE CONTROL 2. AIRBORNE SEARCH 3. AIRBORNE WEATHER 4. BEACONS (AIR, GROUND, OR SHIP) 5. GCA (PRECISION AIRCRAFT APPROACH CONTROL) 6. GROUND ARTILLERY CONTROL 7. GROUND HEIGHT FINDER 8. GROUND MISSILE CONTROL 9. GROUND MORTAR CONTROL 10. GROUND SEARCH 11. GROUND WEATHER 12. SHIP FIRE CONTROL 13. SHIP NAVIGATION & SEARCH

ACF Electronics Div., 4	Riverdale	Md
Abrams Instrument Corp., 13	606 E. Shiawassee, Lansing	Mich
Admiral Corp., 1-2-6-10-12-13	3800 W. Cortland St, Chicago 47	Ill
Aero Geo Astro Corp., 4	1200 Duke St, Alexandria	Va
Airtron, Div of Litton Industries, 4	200 E. Hanover Ave, Morris Plains	NJ
Airtronics, Inc., 4	5522 Dorsey Ln, Washington 16	DC
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 7, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
AMERAC, INC., 4, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Machine & Foundry Co., Government Products Group, 8	1701 K St, N.W., Washington 6	DC
American Tradair Corp., Sub of Ekco Electronics, Ltd., 3	34-01 30 St, Long Island City 6	NY
Applied Electronics Co., 13	213 E. Grand Ave, South San Francisco	Cal
Autonetics, Div. North Amer. Aviation, Inc. 1-2-3	9150 E. Imperial Hwy, Downey	Cal
Avco Corp., Crosley Div., 1-4-7	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd., 13	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bell Aircraft Corp., 1-2-4-5-6	P.O. Box 1, Buffalo 5	NY
Bendix Aviation Corp., Bendix Radio Div., 3-5-11	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 1-2-3-4-13	11600 Sherman Way, North Hollywood	Cal
Budd Lewyt Electronics, Inc., 1-2-3-4-6-7-8-9-10-11-12-13	43-22 Queens St, Long Island City 1	NY
Bulow Electric Co., 4	11000 Capital Ave, Oak Park	Ill
Canadian Marconi Co., 13	2444 Trenton Ave, Montreal, Canada	
Canoga Div., Underwood Corp., 4-8-10-13	15330 Oxnard St, Van Nuys	Cal
Computing Devices of Canada, Ltd., 3	P.O. Box 508, Ottawa, Ontario, Canada	
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Technological Center, 4	6401 Oakton St, Morton Grove	Ill
Cooper Development Corp., 4	2626 S. Peck Rd, Monrovia	Cal
Dalmo Victor Co., Div., Textron, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13	1515 Industrial Way, Belmont	Cal
Daystrom Inc., Military Electr. Div., 1-12-13	Archbald	Pa
Designers for Industry, 2-3-4-8-10-11-12-13	4241 Fulton Pkwy, Cleveland 9	Ohio
Eastman Kodak Co., 4	343 State St, Rochester 4	NY
Edo Corp., 13	College Point 56	NY
Emerson Electric Mfg. Co., 1-2-3-6-8-9-10	8100 Florissant Ave, St. Louis 36	Mo
Emerson Radio & Phonograph Corp., 7	14th & Coles Sts, Jersey City	NJ
Ford Instrument Co., Div., Sperry Rand Corp., 4-8-9	31-10 Thomson Ave, Long Island City 1	NY
Frequency Standards, Div., Harvard Industries, Inc., 4	P.O. Box 504, Asbury Park	NJ
GPL Div., General Presicion, Inc	63 Bedford Rd, Pleasantville	NY
GATES RADIO CO., 3-4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL COMMUNICATION CO., 2-4, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
General Electric Co., Heavy Military Electronics Dept., 4-5-6-7-8-9-10-11-12-13	Court St, Syracuse	NY
General Electric Co., Light Military Electronics Dept., 1-2-4	French Rd, Utica	NY
General Electric Co., Missile & Space Vehicle Dept., 4	3198 Chestnut St, Philadelphia 4	Pa
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
Gilfillan Bros., Inc., 2-3-4-5-7-8-10-13	1815 Venice Blvd, Los Angeles 6	Cal
Goodyear Aircraft Corp., 2-3	1210 Massillon Rd, Akron 15	Ohio
Granger Associates, 10	974 Commercial St, Palo Alto	Cal
Hallamore Electronics Co., 4	714 N. Brookhurst Ave, Anaheim	Cal
Hazeltine Corp., 2-4-7-8-10-13	59-25 Little Neck Pkwy, Little Neck	NY
Hughes Microwave Components Div., 1-2-3-7-8-12	Florence & Teale, Culver City	Cal
Huyck Systems Co., 5-7-13	360 Wolf Hill Rd, Huntington Sta	NY
ITT Laboratories, 1-2-3-4-5-6-7-8-9-10-11-12-13	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 1-2-4	129-07 18th Ave, College Point 56	NY
Kahn & Co., Inc., 8	885 Wells Rd, Wethersfield	Conn
KEARFOTT DIV., GEN PRECISION, INC., 13, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 1-2-5-10-11	1079 Commonwealth, Boston 15	Mass
LAVOIE LABORATORIES, INC., 4-13, Adv Pg 262	**Morganville**	**NJ**
LEL Inc., 4	380 Oak St, Copiague	NY
Litton Industries, Maryland Div., 1-2-4-6-7-8-9-10-12-13	4900 Calvert Rd, College Park	Md
Lockheed Electronics Co., Stavid Div., 1-2-4-10-12-13	U.S. Hwy 22, Plainfield	NJ
Marconi's Wireless Telegraph Co., Ltd., 4-5-6-7-8-10-11-12-13	750 Third Ave, New York 17	NY
Marquardt Corp., Pomona Div., 8	2709 N. Garey Ave, Pomona	Cal
Microwave Electronic Tube Co., Inc., 4	76 Lafayette St, Salem	Mass
Minn-Honeywell, Aeronautical Div., 1	2600 Ridgway Rd, Minneapolis 13	Minn
Norden Div., United Aircraft Corp., 2-3	58 Commerce Rd, Stamford	Conn
NORTHERN RADIO CO., INC., 8, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Peer, Incorporated, 8-10	2624 Shelby St, Dallas 19	Tex
Philco Corp., Gov't & Ind'l Div., 1-2-3-4-5-6-7-8-9-10-11-12-13	4700 Wissahickon Ave, Philadelphia 44	Pa
Production Research Corp., Sub of Radio Condenser Co., 2-3-4	Claremont Ave, Thornwood	NY
RS ELECTRONICS CORP., 4, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radiation, Inc., 1-2-3-4	Melbourne	Fla
Radio City Products Co., Inc., 4	Centre & Glendale Sts, Easton	Pa
Radio Corp of America Indl Electronic Prods, 13	Front & Cooper, Camden	NJ
Ram Electronics, Inc., 2	600 Industrial Ave, Paramus	NJ
Raytheon Co. Commercial Appar. & Systems Div 13	100 River St, Waltham	Mass
Reeves Instrument Corp., 6-8-10-12-13	Roosevelt Field, Garden City	NY
Remanco, Inc., 4	1805 Colorado, Santa Monica	Cal
Resdel Engineering Corp., 4-8	330 S. Fair Oaks Ave, Pasadena	Cal
Rodale Electronics, 8-12	562 Grand Blvd, Westbury	NY
Ryan Electronics Div., Ryan Aeronautical Co., 2	5650 Kearny Mesa Rd, San Diego 12	Cal
SANDERS ASSOCIATES, INC., 1-2-4-6-7-8-9-10-12-13, Adv Pg 488	**95 Canal St, Nashua**	**NH**
Sierra Research Corp., 10	P.O. Box 22, Buffalo 25	NY
Simmonds Aerocessories, Inc., 11-13	105 White Plains Rd, Tarrytown	NY
SOLID STATE ELECTRONICS CO., 4, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Space Electronics Corp., 8	930 Air Way, Glendale 1	Cal
Spectra Electronics Co., 4	250 E. 3rd St, Mt. Vernon	NY
Sperry Gyroscope Div., Sperry Rand, 1-2-3-4-9-12-13	Great Neck	NY
Sperry Phoenix Co., Div., Sperry Rand, 4-8	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sperry Piedmont Div., Sperry Rand Corp., 8-12-13	Rt. 29, Charlottesville	Va
Standard Telephones & Cables, Ltd., 4-5	63 Aldwych, London W. C. 2	Eng
Strand Engineering Co., 1-8-10-12	1354 N. Main St, Ann Arbor	Mich
Stromberg-Carlson Div., Gen Dynamics Corp., 4	100 Carlson Rd, Rochester 3	NY
Sylvanic Electronic Systems, 6-8-9-13	63 Second Ave, Waltham	Mass
Telecomputing Corp., 4	915 N. Citrus Ave, Hollywood	Cal
TELERAD MFG. CORP., 8, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 2	P.O. Box 6191, Dallas 22	Tex
Texas Instruments Incorporated, Apparatus Div., 2-4-10	6000 Lemmon Ave, Dallas 9	Tex
Transdyne Corp., 5	43 Albertson Ave, Albertson	NY
21st Century Electronics, Inc., 1-2-3-4	P.O. Box 2326, Riverside	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2-3-4-5-6-7-8-9-10-11-12-13	Balch St, Beverly	Mass
VARIAN ASSOCIATES, 4-8-10-12, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Washington Aluminum Co., Inc., 8	Pa R R & Knecht Ave, Baltimore 29	Md
Wells-Gardner & Co., 8	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 7-8-10-12-13, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
WILCOX ELECTRIC CO., 4, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**

RADAR ALTIMETERS *See* ALTIMETERS
RADAR AMPLIFIERS *See* AMPLIFIERS *–MICROWAVE*
RADAR ANALYZERS *See* ANALYZERS *–RADAR*
RADAR ANTENNAS *See* ANTENNAS *–RADAR*
RADAR ANTENNA BEARINGS *See* BEARINGS
RADAR GUIDANCE SYSTEMS *See* GUIDANCE SYSTEMS
RADAR MONITORS *See* MONITORS *–RADAR*
RADAR MOVING-TARGET SIMULATORS *See* SIMULATORS
RADAR PARTS *See LISTING UNDER MICROWAVE*
RADAR-RANGE CALIBRATORS *See* CALIBRATORS *–RADAR-RANGE*
RADAR RECORDING CAMERAS *See* CAMERAS *–PHOTOGRAPHIC*
RADAR SIGNAL GENERATORS *See* GENERATORS *–SIGNAL*
RADAR SPEED METERS *See* METERS *–SPEED, AUTO*
RADAR TESTERS *See* TESTERS *–RADAR*
RADAR TRAFFIC CONTROLS *See* CONTROLS *–TRAFFIC*
RADAR TRAINERS *See* SIMULATORS *–RADAR*
RADIATION COUNTERS *See* COUNTERS *–NUCLEAR-PARTICLE*
RADIATION PYROMETERS *See* PYROMETERS *–RADIATION*
RADIATION SHIELDING *See* SHIELDING
RADIOACTIVE ISOTOPES *See* SOURCES *–RADIOACTIVE*
RADIOACTIVE LIGHT SOURCES *See* LIGHT SOURCES
RADIOACTIVITY MONITORS *See* MONITORS *–RADIOACTIVITY*
RADIO ANTENNAS *See* ANTENNAS
RADIO BEACONS *See* BEACONS *–RADIO NAVIGATION*
RADIO CARRIER SYSTEMS *See* COMMUNICATION SYSTEMS
RADIO CEMENTS *See* CEMENTS
RADIO COMMUNICATION SYSTEMS *See* COMMUNICATION SYSTEMS
RADIO COMMUNICATION TRANSMITTERS *See* TRANSMITTERS *–RADIO COMMUNICATION*
RADIO CONTROLS *–DOOR See* CONTROLS *–DOOR*
RADIO FREQUENCY *See* R-F LISTINGS

RADIOGRAPHIC EQUIPMENT
1. GAMMA-RAY 2. X-RAY, INDUSTRIAL 3. X-RAY, MEDICAL

Appleton Electric Co., 3	1701 W. Wellington, Chicago 13	Ill
Applied Radiation Corp., 2-3	2404 N. Main St, Walnut Creek	Cal
BAIRD-ATOMIC, INC., 1-2-3, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Balteau Electric Corp., 2	15 New St, Stamford	Conn
Bar-Ray Products, Inc., 2-3	213 25 St, Brooklyn 32	NY
BRACKE-SEIB X-RAY CO., INC., 2-3, Adv Pg 504	**16 Pelham Bay Park W., Pelham Manor**	**NY**
Budd Co., 1	2450 Hunting Park Ave, Philadelphia 22	Pa
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Field Emission Corp., 2	212 N. Ford St, McMinnville	Ore
Foto-Video Electronics, Inc., 2-3	36 Commerce Rd, Cedar Grove	NJ
High Voltage Eng ring Corp., 2-3	Burlington	Mass
Houston Fearless Corp., 2-3	11801 W. Olympic Blvd, Los Angeles 64	Cal
Litton Industries, Maryland Div., 3	4900 Calvert Rd, College Park	Md
Lyncoach & Truck Co., Inc., 3	Oneonta	NY
Mullard Equipment, Ltd., 2	Torrington Pl, London W.C. 1, England	
NUCLEAR ELECTRONICS CORP., 1, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Ohmart Corp., 1	2236 Bogen St, Cincinnati	Ohio
Osborne Electronic Sales Corp., 2	712 S.E. Hawthorne Blvd, Portland 14	Ore
Philips Electronic Instruments, 2	750 S. Fulton Ave, Mt. Vernon	NY
Picker X Ray Corp., 1-2-3	25 S. Broadway, White Plains	NY
Pioneer Industries Div., Almar-York Co., Inc., 2	3455 W. Vickery, Fort Worth 7	Tex
Radiation Dynamics, Inc., 2	1800 Shames Dr, Westbury	NY
Ray Proof Corp., 1-2-3	843 Canal St, Stamford	Conn
Resitron Laboratories, Inc., 1-2-3	2908 Nebraska Ave, Santa Monica	Cal
St. John X-Ray Laboratory, 1-2	Califon	NJ
Tracerlab, Inc., 1-2-3	1601 Trapelo Rd, Waltham 54	Mass
Triplett & Barton, Inc., 2	831 N. Lake St, Burbank	Cal
21st Century Electronics, Inc., 1-2	P.O. Box 2326, Riverside	Cal
U. S. Nuclear Corp., 1	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., 2-3, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Universal Transistor Products Corp., 1-2	36 Sylvester St, Westbury	NY
WESTINGHOUSE ELECTRIC CORP., 1-2-3, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
X-Ray Products Corp., 2	7829 Industry Ave, Pico-Rivera	Cal

RADIO GUIDANCE SYSTEMS *See* GUIDANCE SYSTEMS
RADIO INTERFERENCE FILTERS *See* FILTERS
RADIOISOTOPES *See* ISOTOPES *–RADIOACTIVE*
RADIO METAL DETECTORS *See* DETECTORS *–METAL*

RADIOMETERS
1. COMPARISON 2. DIRECT

Applied Technology, Inc., 1	930 Industrial Ave, Palo Alto	Cal
Beckman & Whitley, Inc., 1-2	913 San Carlos Ave, San Carlos	Cal

ITT Laboratories, Components & Instrumentation Div., 2	3700 E. Pontiac St, Ft. Wayne	Ind
Knight Corp., Ewen, 1-2	Oak & Pine Sts, East Natick	Mass
Melabs, 1	3300 Hillview Ave, Palo Alto	Cal
Picker X Ray Corp., 1-2	25 S. Broadway, White Plains	NY
Radiation Electronics Co., Div., Comptometer Corp., 2	5600 W. Jarvis, Chicago 48	Ill
Ruge Associates, Inc., Arthur C., 2	Hudson	NH
Welwyn International, Inc., 1-2	3355 Edgecliff Terr, Cleveland 11	Ohio
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

RADIO-NAVIGATION BEACONS See **TRANSMITTERS** –*RADIO-NAVIGATION*
RADIO-NAVIGATION RECEIVERS See **RECEIVERS** –*RADIO-NAVIGATION*
RADIO-NAVIGATION TRANSMITTERS See **TRANSMITTERS** –*RADIO-NAVIGATION*
RADIO PAGING RECEIVERS See **RECEIVERS** –*PAGING*
RADIO PAGING SYSTEMS See **PAGING SYSTEMS**
RADIO-RANGE ANTENNAS See **ANTENNAS-VHF**, *OMNIDIRECTIONAL*
RADIO-RANGE FILTERS See **FILTERS**
RADIO-RANGE TRANSMITTERS See **TRANSMITTERS** –*RADIO NAVIGATION*
RADIO RECEIVERS See **RECEIVERS** –*RADIO*
RADIO RELAYS See **RELAYS** –*MICROWAVE*
RADIO REMOTE CONTROLS See **CONTROLS** –*RADIO REMOTE*

RADIOSONDES

American Bosch Arma Corp	320 Fulton Ave, Hempstead	NY
American Development Electronics Co	212 Central Ave, Newark	NJ
Atlantic Research Corp	Shirley Hwy at Edsall Rd, Alexandria	Va
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

RADIOTELEPHONES See **COMMUNICATION SYSTEMS: TRANSCEIVERS**

RADIO TELESCOPES

1. ANTENNAS 2. RECEIVERS

AINSLIE CORP., 1, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
ANTENNA SYSTEMS, INC., 1, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Applied Technology, Inc., 2	930 Industrial Ave, Palo Alto	Cal
Avco Corp., Nashville Div., 1	Nashville	Tenn
Brach Mfg. Corp., 1	200 Central Ave, Newark	NJ
Dalmo Victor Co., Div., Textron, Inc., 1	1515 Industrial Way, Belmont	Cal
Dynamic Electronics, Capehart Corp., 2	87-46 123 St, Richmond Hill 18	NY
Kennedy & Co., D.S., 1	Cohasset	Mass
Knight Corp., Ewen, 2	Oak & Pine Sts, East Natick	Mass
Lamtex Industries Inc., 1	Motor Ave, Farmingdale	NY
Litton Industries, Maryland Div., 1	4900 Calvert Rd, College Park	Md
Melabs, 2	3300 Hillview Ave, Palo Alto	Cal
Peerless Products Industries, 1	812 N. Pulaski St, Chicago 51	Ill
Radio Engineering Labs., Inc., 2	29-01 Borden Ave, Long Island City 1	NY
Rantec Corp., 1	23999 Ventura Blvd, Calabasas	Cal
Washington Aluminum Co., Inc., 1-2	Pa R R & Knecht Ave, Baltimore 29	Md

RADIO TRANSMITTERS See **TRANSMITTERS**

RADIUM

Canadian Radium & Uranium Corp	630 Fifth Ave, New York 20	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**

RADOME INFLATION BLOWERS See **BLOWERS**

RADOMES

1. AIRCRAFT 2. CERAMIC 3. GROUND 4. PLASTIC. FLEXIBLE 5. PLASTIC. RIGID

Alite Div., U.S. Stoneware Co., 2	P.O. Box 119, Orrville	Ohio
AMERICAN LAVA CORP., 2, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Andrew Corp., 5	P. O. Box 807, Chicago 42	Ill
ANTENNA SYSTEMS, INC., 5, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Atkins & Merrill, Inc., 1-3-5	49 Post Rd, South Sudbury	Mass
Avco Corp., Nashville Div., 1	Nashville	Tenn
Bart Labs & Design Inc., 1	125 Manchester Pl, Newark 4	NJ
Birdair Structures, Inc., 4	Buffalo Industrial Pk, 1800 Broadway, Buffalo 12	NY
CARBORUNDUM CO., LATROBE PLANT, 2, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
Connecticut Hard Rubber Co., 1-3	407 East St, New Haven 9	Conn
Cooper Development Corp., 2	2626 S. Peck Rd, Monrovia	Cal
Coors Porcelain Co., 1	600 Ninth St, Golden	Colo
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 2, Adv Pg 485	**550 High St, Bradford**	**Pa**
Craig Systems, Inc., 3-5	360 Merrimack, Lawrence	Mass
Dalmo Victor Co., Div., Textron, Inc., 5	1515 Industrial Way, Belmont	Cal
Daniels, Inc., C.R., 4	Daniels	Md
Diamond Antenna & Microwave Corp., 1-5	River St, Winchester	Mass
Don-Lan Electronics, Inc., 1-2	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 1	29 New York Ave, Westbury	NY
Du-Co Ceramics Co., 2	1050 Main St, Saxonburg	Pa
Dura Plastics of New York, Inc., 4-5	303 Fifth Ave, New York 16	NY
Dwyer Engineering Co., Inc., 4-5	Airport Rd, Nashua	NH
Emerson Plastics Corp., 1-5	1383 Seabury Ave, Bronx 61	NY
Gladding, McBean & Co., 2	1551 S. Primrose St, Monrovia	Cal
Hughes Microwave Components Div., 1-2-5	Florence & Teale, Culver City	Cal
Hull Corp., 5	Davisville Rd, Hatboro	Pa
ITT Federal Div., ITT, 3-5	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp., 1-5	129-07 18th Ave, College Point 56	NY
KIDDE & CO., INC., WALTER, 5, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Koch & Sons, Inc., H., 1-5	Corte Madera	Cal
Laminair, Inc., 1-5	18532 S. Broadway, Gardena	Cal
Lamtex Industries Inc., 1-3-5	Motor Ave, Farmingdale	NY
Long, Inc., Thomas J., 5	215 Stonehinge Ln, Carle Place	NY
Long Sault Woodcraft, Ltd., 1-3-5	St. Andrews E., Quebec, Canada	
McMillan Industrial Corp., 1-2-3-5	Brownville Ave Plant, Ipswich	Mass
Marconi s Wireless Telegraph Co., Ltd., 3-5	750 Third Ave, New York 17	NY
Materials for Electronics, Inc., 2	152-25 138 Ave, Jamaica 34	NY
Molded Insulation Co., 5	335 E. Price St, Phila 44	Pa
MYCALEX CORP OF AMERICA, 2-5, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Beryllia Corp., 2	4501 Dell Ave, North Bergen	NJ
Production Research Corp., Sub of Radio Condenser Co., 1	Claremont Ave, Thornwood	NY
REF Mfg. Co., 1-3-5	Jericho Trnpk, Mineola	NY
Schjeldahl Co., G.T., 4-5	P.O. Box 170, Northfield	Minn
Specialty Electronics Development Corp., 1-5	Eileen Way, Syosset	NY
Standard Plastics, Inc., 5	Fogelsville	Pa
Summit Industries, Inc., 1-4-5	2114 W. Rosecrans Ave, Gardena	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 5	23555 Euclid Ave, Cleveland 17	Ohio
Thompson Fiber Glass Co., H.I., 1-3-5	1733 Cordova St, Los Angeles 7	Cal
Topper Mfg. Co., Inc., 1-2-4-5	84-56 Parsons Blvd, Jamaica 32	NY
Vitro Corp of America, 2	261 Madison Ave, New York 16	NY
Winder Aircraft Corp., 1-2-4-5	Dunnellon Air Base, Dunnellon	Fla
Zenith Plastic Co., 5	P.O. Box 91, Gardena	Cal

RAILROAD COMMUNICATION SYSTEMS See **COMMUNICATION SYSTEMS**
RAILROAD RADIO RECEIVERS See **RECEIVERS** –*RADIO COMMUNICATION*
RAILROAD TRANSMITTERS See **TRANSMITTERS** –*RADIO COMMUNICATION*
RAIN CHAMBERS See **CHAMBERS** –*ENVIRONMENTAL TEST*
RANGE ANTENNAS See **ANTENNAS-VHF**, *OMNIDIRECTIONAL*
RARE EARTH FERRITES See **CRYSTALS** –*GARNET*: **GARNET** – *POLYCRYSTALLINE*

RARE EARTHS

Aircom, Inc	48 Cummington St, Boston	Mass
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Mettallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

RARE GASES See **GASES**
RATE GYROS See **GYROS**

RATIOMETERS

California Tech Ind Div., Textron Inc	1421 Old County Rd, Belmont	Cal
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Zinn Instruments	P.O. Box 733, Lomita	Cal

REACTORS –*FILTER* See **COILS** –*CHOKE, POWER-FREQUENCY*

REACTORS –*SATURABLE*

1. AMPLIFYING 2. PREAMPLIFYING 3. PROPORTIONING 4. SWITCHING 5. TRANSDUCTORS See *Also* **AMPLIFIERS** –*MAGNETIC*

ACDC ELECTRONICS, INC., 1-2-3-4, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
A R & D A, 1-5	135 Main St, Belleville 9	NJ
ACME ELECTRIC CORP., 1-2-3-4-5, Adv Pg 511	**Water St, Cuba**	**NY**
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-2-4, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
American Research & Mfg. Corp., 1-2-3-4	920 Halpine Ave, Rockville	Md
Atlas Coil, Inc., 1-2	63 Main St, Ansonia	Conn
ATLAS CONTROLS INC., 1-2-4, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
ATLAS ENGINEERING CO., 1-2-3-4-5, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Bayly Engineering, Ltd., 1-4	Hunt St, Ajax, Ontario, Canada	
Bell Aircraft Corp., 1-2	P.O. Box 1, Buffalo 5	NY
Bergen Labs., Inc., 4	60 Spruce St, Paterson 1	NJ
Brach Mfg. Corp., 1-2-4-5	200 Central Ave, Newark	NJ
Bundy Electronics Corp., 1-2	173 Fabyan Pl, Newark	NJ
C.G.S. Labs., Inc., 1-2-4	Rt 7, Wilton	Conn
California Magnetic Control Corp., 1-2-3-4-5	11922 Valerio St, North Hollywood	Cal
Carol Electronics Corp., 1	315 W. Stephen St, Martinsburg	W. Va
CELCO CONSTANTINE ENGINEERING LABS CO., 1-2-3-4-5, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Central Transformer Co., 1-2-3-4-5	910 W. Jackson Blvd, Chicago	Ill
Chicago Magnetic Control Co., 1-2-4	1616 Damon Ave, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 1, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Coil Co of America, Inc., 1-2-4	220 Washington St, Northvale	NJ
Coil Winders, Inc., 1-2-3	Ames Ct., Plainview	NY
Coilcraft, Inc., 1	Cary	Ill
COMMUNICATION ACCESSORIES CO., 1-2-3-4-5, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
CONTROL, DIV OF MAGNETICS, INC., 1-2-3-4-5, Adv Pg 322	**Butler**	**Pa**
Cornwell Electronics Corp	84 S. Water St, Byram	Conn
D & R Ltd., 1-2	402 E. Gutierrez, Santa Barbara	Cal
Deeco Instruments, 1-3-4	14737 Arminta St, Van Nuys	Cal
Djeco, Div., Djordjevic Engrg Co., 1-2-3-4-5	1933 N. Damen, Chicago 47	Ill
EMP Electronics Research Labs., Inc., 4	3131 N. 29th Ave, Phoenix	Ariz
ELECTRIC REGULATOR CORP., 1-2-3, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Engineering Works, 1-3-4-5	401 Preda St, San Leandro	Cal
Electronic Components Div., Telecomputing Corp., 1	14706 Arminta St, Van Nuys	Cal
Electronic Transformer Co., 1-4	70 Washington St, Brooklyn 1	NY
Evershed & Vignoles Ltd., 5	Chiswick, London W. 4, England	
Fairfield Engineering Corp., 1-2-3-4	114 Manhattan St, Stamford	Conn
GENERAL MAGNETICS, INC., 1-2-3-4-5, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
Hadley Co., Inc., Robert M.	5112 S. Hoover St, Los Angeles 37	Cal
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2-3-4-5	P.O. Box 978, Garland	Tex
Industrial Control Co., 1	Central at Pinelawn, Farmingdale	NY
Industrial Transformer Corp., 1-3-4	Gouldsboro	Pa
INTERELECTRONICS CORP., 1-4, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
K-V Transformer Corp., 1-2-4	20 E. Franklin St, Danbury	Conn
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4-5, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lindberg Engineering Co., 4	2450 W. Hubbard St, Chicago	Ill
Lumen, Inc., 1-2-3-4-5	P.O. Box 905, Joliet	Ill
MAGNETIC AMPLIFIERS, INC., 1-3-4, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**

Magnetic Circuit Elements, Inc., 1-2-4-5	3722 Park Pl, Montrose	Cal
MAGNETIC CONTROLS CO., 3-4, Adv Pg 101	**6329 Cambridge St, Minneapolis 16**	**Minn**
Magnetic Specialties, Inc., 1-3-5	P.O. Box 476, Trenton 3	NJ
Magnetico, Inc., 1-2-4	6 Richter Ct, East Northport	NY
Mercury Transformer Corp., 1-4	12964 Panama St, Los Angeles 66	Cal
Micromag Instrument Corp., 1-2-3-4-5	115 Halleck St, Roxbury	Mass
Minitran Corp., 1-3	5 Oliver St, Newark 2	NJ
Networks Electronic Corp., 1-2-3-4	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 1-2-3-4-5	638 W. 17th St, Costa Mesa	Cal
Norbatrol Electronics Corp., 1-2-3-4-5	356 Collins Ave, Pittsburgh 6	Pa
Osborne Transformer Corp., 1	3834 Mitchell Ave, Detroit 7	Mich
Palo Alto Engineering Co., 1-4	620 Page Mill Rd, Palo Alto	Cal
Pintsch Bamag AG, 1-2-3-4-5	Postfach 11, Butzbach, Germany	
Polyphase Instrument Co., 4	E. Fourth St, Bridgeport	Pa
Potter Instrument Co., Inc., 5	Sunnyside Blvd, Plainview	NY
Precision Electronics, 1	427 Plain St, Marshfield	Mass
Precision Electronics, Inc., 1-2	48 Merrick Rd, Rockville Centre	NY
Ram Electronics, Inc., 1-2	600 Industrial Ave, Paramus	NJ
Raytheon Co. Commercial Appar. & Systems Div., 1	100 River St, Waltham	Mass
Shawmut Engineering Co., 1-3	195 Freeport St, Boston	Mass
Signal Transformer Co., 1-2-3	1661 McDonald Ave, Brooklyn 30	NY
Standard Electronics Div., Reaves Instrument Corp., 1-2-3-4	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 5	63 Aldwych, London W. C. 2	England
Stanley Transformer Co., 3-4	31-23 Vernon Blvd, Long Island City	NY
Toroidal Components Co., 4	1374 E. Walnut St, Pasadena	Cal
Toroids Unlimited Inc., 1-2-3-4-5	3830 Terrace St, Philadelphia 28	Pa
TOROTEL, INC., 1-2-3-4-5, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 1-2-3-4-5, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transformer Design, Inc of Milwaukee, 1-2-3-4-5	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 1-2-3-4-5	285 N. Halstead Ave, Pasadena	Cal
Tresco, Inc., 1-2-3-4-5	3824 Terrace St, Philadelphia 28	Pa
VARI-L CO., INC., 1-2, Adv Pg 330	**P.O. Box 1433, Stamford**	**Conn**
WESTINGHOUSE ELECTRIC CORP., 1, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

READERS
1. PUNCHED-CARD 2. PUNCHED-TAPE, ELECTRIC 3. PUNCHED-TAPE, PHOTOELECTRIC

Addressograph-Multigraph, Electronics Div., 1	1200 Babbitt Rd, Cleveland 17	Ohio
American Bosch Arma Corp., 3	320 Fulton Ave, Hempstead	NY
Anaheim Electronics Div., Electronic Eng. Co of Cal., 2	1601 E. Chestnut, Santa Ana	Cal
ANelex Corp., 3	150 Causeway St, Boston 14	Mass
Bell & Gossett Co., 1	8202 N. Austin Ave, Morton Grove	Ill
Benson-Lehner Corp., 2-3	1860 Franklin, Santa Monica	Cal
Budd Lewyt Electronics, Inc., 2-3	43-22 Queens St, Long Island City 1	NY
Bulow Electric Co., 3	11000 Capital Ave, Oak Park	Ill
Computing Devices of Canada, Ltd., 1-2	P.O. Box 508, Ottawa, Ontario, Canada	
Cook Electric Co., 2-3	2700 Southport Ave, Chicago 14	Ill
Corbett Science Labs., F.W., 3	3117 Venice Blvd, Los Angeles 19	Cal
Data Equipment Co., 1-2-3	923 E. 3rd St, Los Angeles 13	Cal
Digitool Corp., 1-3	P.O. Box 22242, Houston 27	Tex
Digitronics Corp., 3	Albertson Ave, Albertson	NY
Electronic Engineering Co., 2	1601 E. Chestnut Ave, Santa Ana	Cal
Emerson Electric Mfg. Co., 2	8100 Florissant Ave, St. Louis 36	Mo
Epsco-West, 1-2-3	240 E. Palais Rd, Anaheim	Cal
FERRANTI ELECTRIC, INC., 3, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Genesys Corp., Sub, Chance Vought, 1-3	10131 National Blvd, Los Angeles 34	Cal
Gordon Enterprises, 1	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hickok Electrical Instrument Co., 1	10514 Dupont, Cleveland 8	Ohio
Hillyer Corp., 2	331 Centennial Ave, Cranford	NJ
I B M Federal Systems Div., 1-2-3	326 E. Montgomery Ave, Rockville	Md
IMTRA CORP., 2, Adv Pg 310	**11 University Rd, Cambridge 38**	**Mass**
Industrial Timer Corp., 1-2	1407 McCarter Hwy, Newark 4	NJ
Jordan Controls, Inc., 1	3225 W. Hampton, Milwaukee 9	Wisc
Lundy Mfg. Corp., 2	Robert Ln, Glen Head	NY
National Cash Register Co., 1-3	S. Main at K St, Dayton 9	Ohio
Nippon Electric Co., Ltd., 1-2-3	Shiba-Mita, Tokyo, Japan	
Par Products Corp., 3	602 Colorado Ave, Santa Monica	Cal
Photobell Co., Inc., 3	43 Vesey St, New York 7	NY
PHOTOCIRCUITS CORP., 3, Adv Pg 400	**Glen Cove**	**NY**
Potter Instrument Co., Inc., 3	Sunnyside Blvd, Plainview	NY
Remington Rand Div., Sperry Rand Corp., 1-2	315 Park Ave S., New York 10	NY
Soroban Engineering, Inc., 2	P.O. Box 1717, Melbourne	Fla
Tally Register Corp., 1-2	1310 Mercer St, Seattle 9	Wash
TAURUS CORP., 1, Adv Pg 548	**8 Coryell St, Lambertville**	**NJ**
Telautograph Corp., 2	8700 Bellanca Ave, Los Angeles 8	Cal
TELECHROME MFG. CORP., 1, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Telecomputing Corp., 2	915 N. Citrus Ave, Hollywood	Cal
Teletype Corp., 2	5555 W. Touhy Ave, Skokie	Ill
United Shoe Machinery Corp., Antenna & Microwave Sec., 1	Balch St, Beverly	Mass
Wang Laboratories, Inc., 2	12 Huron Dr, Natick	Mass

READOUTS —*DIGITAL See* INDICATORS —*DIGITAL*
REBROADCAST RECEIVERS *See* RECEIVERS —*REBROADCAST*
RECEIVERS —*AUTO See* RECEIVERS —*RADIO*

RECEIVERS —*CITIZENS' RADIO*

Cadre Industries Corp	P. O. Box 150, Endicott	NY
Globe Electronics, Div Textron Electronics, Inc.	22-30 S. 34th St, Council Bluffs	Iowa
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Miratel Inc	1080 Dionne St, St. Paul	Minn
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
Philmore Mfg. Co., Inc	130-01 Jamaica Ave, Richmond Hill 18	NY
Seiscor Div., Seismograph Service Corp	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
Translite Electronics Corp	5720 W. Armitage Ave, Chicago 39	Ill

RECEIVERS —*COIN-OPERATED See* RECEIVERS —*RADIO*; RECEIVERS-TV
RECEIVERS —*FACSIMILE See* FACSIMILE EQUIPMENT

RECEIVERS —*PAGING*
1. INDUCTIVE 2. RADIO

Cadre Industries Corp., 2	P.O. Box 150, Endicott	NY
Dollar Co., Robert, Commun Equip Div., 2	50 Drumm St, San Francisco 11	Cal
Flush Wall Radio Co., 2	1012 Cleveland St, Clearwater	Fla
HERMES ELECTRONICS CO., 2, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
Kuss Industries, Inc., 1-2	Tacony & Levens Sts, Philadelphia 24	Pa
Miratel Inc., 2	1080 Dionne St, St. Paul	Minn
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 2, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Multitone of Canada Ltd., 1	130 Merton St, Toronto 7, Canada	
NUCLEAR ELECTRONICS CORP., 2, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Rauland-Borg Corp., 2	3535 W. Addison St, Chicago 18	Ill
Seeley Electronics, 2	1060 S. La Brea Ave, Los Angeles 19	Cal
Seiscor Div., Seismograph Service Corp., 2	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Stromberg-Carlson Div., Gen Dynamics Corp., 2	100 Carlson Rd, Rochester 3	NY
TECHNOLOGY INSTRUMENT CORP., 2, Adv Pg 223	**533 Main St, Acton**	**Mass**
Westrex Corp., Div., Litton Industries, 2	540 W. 58 St, New York 19	NY

RECEIVERS —*PANORAMIC*

C.G.S. Labs., Inc	Rt 7, Wilton	Conn
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
General Electronic Labs., Inc.	18 Ames St, Cambridge	Mass
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**

RECEIVERS —*RADIO COMMUNICATION*
1. AIRCRAFT 2. AMATEUR 3. A-M FIXED-FREQUENCY 4. A-M TUNABLE 5. CONELRAD 6. DIVERSITY RECEPTION 7. F-M 8. MARINE 9. MICROWAVE 10. MOBILE 11. MULTIPLEX CARRIER 12. PORTABLE 13. PULSE-TIME MODULATION 14. RAILROAD 15. SINGLE-SIDEBAND 16. TELEMETERING 17. UHF 18. VHF 19. VLF 20. WWV 21. SINGLE-SIDEBAND ADAPTERS

AC Electronics, Inc., 1-8	11725 Mississippi Ave, Los Angeles 25	Cal
AC SPARK PLUG DIV., GENERAL MOTORS, 1-8-10-11, Adv Pg 341	**7929 S. Howell, Oak Creek**	**Wisc**
ACF Electronics Div., 9-16	Riverdale	Md
ACTON LABS, INC., 7, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adler Electronics, Inc., 9-10-11-15-17-18	1 Lefevre Ln, New Rochelle	NY
Admiral Corp., 1-4-7-8-12	3800 W. Cortland St, Chicago 47	Ill
Aero Geo Astro Corp., 16	1200 Duke St, Alexandria	Va
Aeronautical Communication Equip., Inc., 1-3-6	3090 S.W. 37 Ave, Miami 33	Fla
Aeronautical Electronics, Inc., 3-7-10-12-17-18	P.O. Box 6527, Raleigh	NC
Aircraft Armaments, Inc., 16	Cockeysville	Md
Aircraft Radio Corp., 1-18	Boonton	NJ
Airmec Ltd., 4	High Wycombe, Buckinghamshire, England	
Airtron, Div of Litton Industries, 9	200 E. Hanover Ave, Morris Plains	NJ
Allied Radio Corp., 2-4-20	100 N. Western Ave, Chicago 80	Ill
Alto Scientific Co., Inc., 9-17-18	855 Commercial St, Palo Alto	Cal
American Bosch Arma Corp., 16	320 Fulton Ave, Hempstead	NY
American Electronics Co., 2-5	178 Herricks Rd, Mineola	NY
American Geloso Electronics, 2-7-15	251 Park Ave S., New York	NY
Amtron Corp., 16-17	17 Felton St, Waltham	Mass
Antlab, Inc., 9	6330 Proprietors Rd, Worthington	Ohio
Applied Electronics Co., 3-4-8-10	213 E. Grand Ave, South San Francisco	Cal
APPLIED ELECTRONICS CORP OF N.J., 11-16, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardwin Microlab, Inc., 9	21 Spencer St, Stoneham 80	Mass
Arnoux Corp., 2-10-12-16	11924 W. Washington Blvd, L.A. 66	Cal
Automation Electronics, Inc., 2-10	1500 W. Verdugo Ave, Burbank	Cal
Avco Corp., Crosley Div., 16-18	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd., 8-11-17-18	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avionics Corp., 7-8-10	Maple Ave & Horsham Rd, Horsham	Pa
Babcock Radio Engineering, Inc., 7-17	1640 Monrovia Ave, Costa Mesa	Cal
Barker & Williamson, 2-15	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 8	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bell Aircraft Corp., 7-9-17-18	P.O. Box 1, Buffalo 5	NY
Bendix Aviation Corp., Bendix Radio Div., 1-3-7-10-12-14-18-19	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 8-9-16	11600 Sherman Way, North Hollywood	Cal
Blonder-Tongue Laboratories, Inc., 4-7	Dept EBG, 9 Alling St, Newark 2	NJ
Bogen-Presto Div., Siegler Corp., 4-7-11	P.O. Box 500, Paramus	NJ
Boulevard Electronics, Inc., 1-19	1229 W. Washington Blvd, Chicago	Ill
Browning Labs., Inc., 3-7-11-18-19-20	100 Union Ave, Laconia	NH
Budd Lewyt Electronics, Inc., 1-4-7-9-10-11-12-17-18	43-22 Queens St, Long Island City 1	NY
BUDELMAN ELECTRONICS CORP., 7-9-11-17-18, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
C W S Waveguide Corp., 9	301 W. Hoffman Ave, Lindenhurst	NY
Cadre Industries Corp., 5-8-10-14	P. O. Box 150, Endicott	NY
Calbest Electronics Co., 3-4-7-11	4801 Exposition Blvd, Los Angeles 16	Cal
Canadian Marconi Co., 1-8-10-15-18	2444 Trenton Ave, Montreal, Canada	
Canoga Div., Underwood Corp., 9	15330 Oxnard St, Van Nuys	Cal
Chance Vought Aircraft, Inc., 16	P. O. Box 5907, Dallas 22	Tex
Chisholm Industries, Ltd., 4-7-8-10-12	Electronic St, Port Moody, B.C. Canada	
CLEGG LABS., DIV., CLEGG, INC., 2-15-18, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Collins Radio Co., 1-2-3-4-6-9-11-15-17-18	855 35 St N.E., Cedar Rapids	Iowa
Communications Co., Inc., 1-3-7-10-12-15-17-18	300 Greco Ave, Coral Gables 34	Fla
Computing Devices of Canada, Ltd., 1-10-14-18	P.O. Box 508, Ottawa, Ontario, Canada	
Continental Manufacturing, Inc., 7-11	1612 California St, Omaha	Neb
CONTROL ELECTRONICS CO., INC., 9-11-15, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
CROSBY TELECTRONIC LAB., INC., 15, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Dare, Inc., 1	P.O. Box 312, Troy	Ohio
Delco Radio Div., GMC., 19	700 E. Firmin St, Kokomo	Ind
Designers for Industry, 1-6-7-8-9-10-13-15-17-18	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp., 2	River St, Winchester	Mass
Dollar Co., Robert, Commun Equip Div., 3-6-18	50 Drumm St, San Francisco 11	Cal
Dynamic Electronics, Capehart Corp., 4-7-9-17-18	87-46 123 St, Richmond Hill 18	NY
Electro Voice, Inc., 2-8-15	Buchanan	Mich
Electron Enterprises, 4	6917-19-21 Stanley Ave, Berwyn	Ill
Electronic Applications, Inc., 4-7-8-9-17-18-19	194 Richmond Hill Ave, Stamford	Conn
Electronic Research & Dev. Co., Ltd., 3-7-10-17-18	210 9th Ave, S.E., Calgary, Alberta, Canada	
Electronic Specialties Co., 8-12	P.O. Box 1041, Wyandotte	Mich
ELECTRONIC SPECIALTY CO., 1-3-7-9-17, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Electronics Design Co., 3-7-10-12-17-18	P.O. Box 401, Enid	Okla

EMPIRE DEVICES PRODUCTS CORP., 9, Adv Pg 454	**Amsterdam**	**NY**
Engineering Associates, 1-9-17-18-19-20	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., 9, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Ind., 9	P.O. Box 504, Asbury Park	NJ
Friez Instrument Div., Bendix Aviation Corp., 16	1400 Taylor Ave, Baltimore 4	Md
GENERAL COMMUNICATION CO., 9-18, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 13-15-16, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Heavy Military Electronics Dept., 9-17-18	Court St, Syracuse	NY
General Electric Co., Light Military Electronics Dept., 1	French Rd, Utica	NY
General Electric Co., Missile & Space Vehicle Dept., 16	3198 Chestnut St, Philadelphia 4	Pa
General Electronic Labs., Inc., 4-7-9-16-17-18	18 Ames St, Cambridge	Mass
Gilfillan Bros., Inc., 9-16	1815 Venice Blvd, Los Angeles 6	Cal
Gonset Div., Young Spring & Wire Corp., 2-15	801 S. Main St, Burbank	Cal
Gorham Electronics, Div Gorham Mfg. Co., 9-17-18	333 Adelaide Ave, Providence 7	RI
Granger Associates, 9	974 Commercial St, Palo Alto	Cal
Gray Radio Co., Inc., 8	501 Forest Hill Blvd, West Palm Beach	Fla
Hallamore Electronics Co., 16	714 N. Brookhurst Ave, Anaheim	Cal
HALLICRAFTERS CO., 1-2-3-4-6-7-9-10-12-13-15-16-17-18, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hammarlund Mfg. Co., 2-3-4-6-15-18-19	460 W. 34th St, New York 1	NY
Harkins Radio Inc., 7-11	4444 E. Washington, Phoenix	Ariz
Hazeltine Corp., 9	59-25 Little Neck Pkwy, Little Neck	NY
Heath Co., A Sub of Daystrom, Inc., 2-4-7-8-10-12-15-18-19-20	Benton Harbor	Mich
Hoffman Electronics Corp., Military Prods Div., 8-15-18	3740 S. Grand Ave, Los Angeles 7	Cal
Hughes Microwave Components Div., 1-12-17-18	Florence & Teale, Culver City	Cal
Humble Mfg. Co., Ltd., 12	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
Huyck Systems Co., 1-8-16	360 Wolf Hill Rd, Huntington Sta	NY
I.D.E.A., Inc., 7-10-18	7900 Pendleten Pike, Indianapolis 26	Ind
ITI Electronics Inc., 3-16-18	369 Lexington Ave, Clifton	NJ
ITT Federal Div., ITT, 1-6-7-8-9-10-11-12-13-15-16-17-18	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp., 9	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., 16-17-18, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Intercontinental Electronics, 16	1551 Franklin Ave, Mineola	NY
International Systems, Ltd., 10-18	8235 Mountain Sights, Montreal 9, Que, Canada	
Interstate Electronics Corp., 17-18	707 E. Vermont Ave, Anaheim	Cal
Kaar Engineering Corp., 3-5-7-8-10-12-17-18	2995 Middlefield Rd, Palo Alto	Cal
Kahn Research Labs Inc., 21	81 S. Bergen Pl, Freeport	NY
Kaiser Aircraft & Electronics, 15	2222 W. Peoria Ave, Phoenix	Ariz
KEARFOTT DIV., GEN PRECISION, INC., 8-9, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co., 9-10-11	6650 S. Cicero Ave, Chicago 39	Ill
King Radio Corp., 1-3-10-18	9700 W. 75 St, Merriam	Kan
Knight Electronics, 2-4-12	210 S. Des Plaines St, Chicago 6	Ill
Knight Corp., Ewen, 9-17-18	Oak & Pine Sts, East Natick	Mass
Land-Air, Inc., 1-3-4-7-10-18	7444 W. Wilson Ave, Chicago 31	Ill
LAVOIE LABORATORIES, INC., 20, Adv Pg 262	**Morganville**	**NJ**
Leach Corp., 16-17	18435 Susana Rd, Compton	Cal
Lear, Inc., 1-3-4-7-9-11-13-15-16-17-18-19	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 1-3-7-8-9-10-12-15-16-17-18-20	380 Oak St, Copiague	NY
Lenkurt Electric Co., Inc., 9-10-11-16	1105 County Rd, San Carlos	Cal
Litton Industries, Maryland Div., 1-6-16	4900 Calvert Rd, College Park	Md
Lorain County Radio Corp., 8	205 Ninth St, Lorain	Ohio
Lyncoach & Truck Co., Inc., 10	Oneonta	NY
Mallory & Co. Inc. P.R. 1-2-7-8-10-12-15-17-18	34 S. Gray St, Indianapolis 6	Ind
MARCONI INSTRUMENTS, 4-7-17-18-19, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marconi's Wireless Telegraph Co., Ltd., 1-3-4-6-7-8-9-10-15-17-18	750 Third Ave, New York 17	NY
Melabs, 1-9-11-16-18	3300 Hillview Ave, Palo Alto	Cal
MENLO PARK ENGINEERING, 9, Adv Pg 482	**711 Hamilton Ave, Menlo Park**	**Cal**
MICROWAVE COMPONENTS, INC., 9, Adv Pg 517	**Doylestown**	**Pa**
Microwave Development Labs. Inc., 9	92 Broad St, Babson Park 57	Mass
Midwest Audio Corp., 4	3800 W. North Ave, Chicago 47	Ill
Miratel Inc., 2-3-4-5-7-18	1080 Dionne St, St. Paul	Minn
Morrow Radio Mfg. Co., 2-3-5-10-15	2794 Market St, Salem	Ore
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1-7-9-10-12-14-15-17-18, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Mullard Equipment, Ltd., 15-17-18	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 2-5-8-10	21470 Coolidge Hwy, Oak Park	Mich
Munston Electronic Mfg. Corp., 8	Beech St, Islip	NY
National Aeronautical Corp., 1-18	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
National Electronics Labs., Inc., 7-12-17-18	1713 Kalorama Rd N.W., Washington 9	DC
NATIONAL RADIO CO., 2-12-15, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Nems-Clarke Co., Div., Vitro Corp of America 3-4-7-16-17-18	Silver Spring	Md
Newport Scientific Co., 2-3-4-5-7-8-10-12-16-17-18-19-20	638 W. 17th St, Costa Mesa	Cal
Nippon Electric Co., Ltd., 1-4-6-7-8-9-10-11-12-13-15-16-17-18	Shiba-Mita, Tokyo, Japan	
NORTHERN RADIO CO., INC., 4-6-11-16, Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
NUCLEAR ELECTRONICS CORP., 3-7-11, Adv Pg 552	**2925 N. Broad St, Philadelphia**	**Pa**
Olympic Radio & Television Co., Div of the Siegler Corp., 1	34-01 38 Ave, Long Island City	NY
Osborne Electronic Sales Corp., 2-10-12	712 S.E. Hawthorne Blvd, Portland 14	Ore
Packard-Bell Electronics Corp., Technical Products Div., 1-4-7-12	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5-8-9-10-12-17-18-19, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 3-8-10	2295 N.W. 14th St, Miami 35	Fla
Permoflux Products Co., 10	4101 San Fernando Rd, Glendale	Cal
Philco Corp., Gov't & Ind'l Div., 1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	4700 Wissahickon Ave, Philadelphia 44	Pa
Philmore Mfg. Co., Inc., 2-4	130-01 Jamaica Ave, Richmond Hill 18	NY
POLARAD ELECTRONICS CORP., 9, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 9, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 9, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 1-8-9-10-12-16	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 3-7-8-9-10-11-12-17-18	Newmarket Rd, Cambridge, England	
RS ELECTRONICS CORP., 7-9-17-18, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Racal Engineering, Ltd., 3-4-6-15-19	Western Rd, Bracknell, Berks, England	
Radiaphone Co., Inc., 16	600 E. Evergreen Ave, Monrovia	Cal
Radio City Products Co., Inc., 1-18-19	Centre & Glendale Sts, Easton	Pa
Radio Corp of America Indl Electronic Prods, 3-4-5-7-9-10-11-12-15-17-18	Front & Cooper, Camden	NJ
RCA Sales Corp., Radio Corp of America Sub., 8	Cherry Hill, Bel Twnshp, Camden 8	NJ
Radio Engineering Labs., Inc., 2-6-7-9-10-11-15-17-18	29-01 Borden Ave, Long Island City 1	NY
Radio Specialty Mfg. Co., 12	2023 S.E. Sixth Ave, Portland 14	Ore
Rauland-Borg Corp., 4-7	3535 W. Addison St, Chicago 18	Ill
Redifon, Ltd., 3-4-6-7-8-10-12-15-18	Broomhill Rd, Wandsworth, London SW 18	England
Republic Electronic Industries Corp., 8-9-16	111 Gazza Blvd, Farmingdale	NY
Resdel Engineering Corp., 17	330 S. Fair Oaks Ave, Pasadena	Cal
Rohde & Schwarz, USA, Inc., 6-7-8-15-18	P.O. Box 275, Passaic	NJ
Rowe Industries, 8	1702 Wayne St, Toledo 9	Ohio
San Jose Avionics Co., 1	San Jose Municipal Airport, San Jose	Cal
Schjeldahl Co., G.T., 16	P.O. Box 170, Northfield	Minn
Scientific-Atlanta, Inc., 9	2162 Piedmont Rd N.E., Atlanta 9	Ga
Seeley Electronics, 3-7-10-18	1060 S. La Brea Ave, Los Angeles 19	Cal
Sierra Research Corp., 16	P.O. Box 22, Buffalo 25	NY
Simmonds Aerocessories, Inc., 17-18	105 White Plains Rd, Tarrytown	NY
SOLID STATE ELECTRONICS CO., 16, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sonar Radio Corp., 8	3050 W. 21 St, Brooklyn 24	NY
Space Electronics Corp., 16-19	930 Air Way, Glendale 1	Cal
Sparton Corp., 1-3-4-7-9-10-15-16-17-18-19	2400 E. Ganson St, Jackson	Mich
Specialty Electronics Development Corp., 9	Eileen Way, Syosset	NY
SPECIFIC PRODUCTS, 20, Adv Pg 523	**P.O. Box 425, Woodland Hills**	**Cal**
Spectra Electronics Co., 12-17-18-19	250 E. 3rd St, Mt. Vernon	NY
Spilsbury & Tindall, Ltd., 8-10-12-15-18	120 E. Cordova St, Vancouver, B.C., Canada	
Standard Telephones & Cables, Ltd., 1-6-8-9-12-14-15-18	63 Aldwych, London W. C. 2	England
Stoddart Aircraft Radio Co., Inc., 17-18-19	6644 Santa Monica Blvd, Hollywood 38	Cal
Strand Laboratories, Inc., 9	294 Centre St, Newton 58	Mass
Stromberg-Carlson Div., Gen Dynamics Corp., 9-10-12-15	100 Carlson Rd, Rochester 3	NY
Summers Gyroscope Co., 1	2500 Broadway, Santa Monica	Cal
Sylvania Electronic Systems, 1	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc., 1-10-18	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL MATERIEL CORP., 2-3-4-6-8-10-15, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
TECHNOLOGY INSTRUMENT CORP., 1-2-8-9-10-12, Adv Pg 223	**533 Main St, Acton**	**Mass**
TELECHROME MFG. CORP., 2-3-15-16-17-18-20, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 2-12, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 12-17-18	Park Ave, Huntington	NY
TELERAD MFG. CORP., 9, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 9	P.O. Box 6191, Dallas 22	Tex
Topp Industries, Inc., 1-8-17-18	5221 W. 102 St, Los Angeles 45	Cal
Trans-Tel Corp., 7	910 N. Orange Dr, Los Angeles 38	Cal
Trepac Corp of America, 14	30 W. Hamilton Ave, Englewood	NJ
21st Century Electronics, Inc., 1-17-18	P.O. Box 2326, Riverside	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 9	Balch St, Beverly	Mass
Univox Corp., 1	102 Warren St, New York 7	NY
Van Norman Industries, Elect Div., 9-16-17-18	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 9, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Vinco Electronics Corp., 7	65 Wallace St, New Haven 11	Conn
Virginia Electronics Co., Inc., 3-4-8-10-12	5209 River Rd, Washington 16	DC
Wells-Gardner & Co., 16	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 8-9-10-11-12-15-17-18, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1-3-6-8-10-12-14-15-19	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 17-18, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WILCOX ELECTRIC CO., 1-3-15-18, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla
Winston Electronics Div., Jetronic Ind., Inc., 8	4000 N.W. 28th St, Miami 42	Fla
Zenith Radio Corp., 2-15-20	6001 Dickens Ave, Chicago 39	Ill

RECEIVERS — *RADIO, ENTERTAINMENT*

1. A-M ALL-WAVE 2. A-M BROADCAST 3. A-M/F-M 4. AUTO, HYBRID 5. AUTO, TRANSISTOR 6. AUTO, TUBE 7. COIN-OPERATED 8. F-M 9. PORTABLE, ALL-WAVE 10. PORTABLE, TRANSISTOR 11. PORTABLE, TUBE 12. STEREO

Acopian Technical Co., 2	927 Spruce St, Easton	Pa
Admiral Corp., 1-2-3-8-9-10-11-12	3800 W. Cortland St, Chicago 47	Ill
Allied Radio Corp., 2	100 N. Western Ave, Chicago 80	Ill
American Geloso Electronics, 1-2-3-8-9-10	251 Park Ave S., New York	NY
AMERICAN TELEVISION & RADIO CO., 2-6, Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
American Tradair Corp., Sub of Ekco Electronics, Ltd., 4-5-12	34-01 30 St, Long Island City 6	NY
Andrea Radio Corp., 9	27-01 Bridge Pl N., Long Island City 1	NY
Argonne Electronics Mfg. Corp., 2	165-11 South Rd, Jamaica 33	NY
Arvin Industries Inc., Radio & TV Div., 1-2-3-8-9-10-11-12	Columbus	Ind
Audio Industries, Inc	Michigan City	Ind
Audiotronics Corp., 2	11057 Weddington St, N. Hollywood	Cal
Automatic Radio Mfg. Co., 2-4-5-6-8-9-10-11	122 Brookline Ave, Boston	Mass
Aviation Electric, Ltd., 10	200 Laurentien, Ville St. Laurent, Montreal Quebec, Canada	
Blonder-Tongue Laboratories, Inc., 1-2-3-8	Dept EBG, 9 Alling St, Newark 2	NJ
Bogen-Presto Div., Siegler Corp., 3-12	P.O. Box 500, Paramus	NJ
Braun, Max, 3-10	Ruesselsheimerstr 22, Frankfurt/M, Germany	
Browning Labs., Inc., 1-3-8-12	100 Union Ave, Laconia	NH
CBS ELECTRONICS, DIV., CBS, INC., 10, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Cadre Industries Corp., 10	P. O. Box 150, Endicott	NY
Calbest Electronics Co., 2-3-8-12	4801 Exposition Blvd, Los Angeles 16	Cal
Channel Master Co., 2-3-8-9-10	Ellenville	NY

Chisholm Industries, Ltd., 1-2-3-8	Electronic St, Port Moody, B.C. Canada	
Continental Manufacturing, Inc., 2-3-8-12	1612 California St, Omaha	Neb
CROSBY TELECTRONIC LAB., INC., 12, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Designers for Industry, 3-8-9-10-11	4241 Fulton Pkwy, Cleveland 9	Ohio
Dukane Corp., 3	St. Charles	Ill
Dynamic Electronics, Capehart Corp., 2-3-8-12	87-46 123 St, Richmond Hill 18	NY
Electron, 2-5-10	P.O. Box 8, Syracuse 11	NY
Electron Enterprises, 2	6917-19-21 Stanley Ave, Berwyn	Ill
Electronic Applications, Inc., 8	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 3-8-10, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Emerson Radio & Phono, Corp., 1-2-3-8-10-12	14th & Coles Sts, Jersey City	NJ
Fanon Electronic Industries, Inc., 1-2-3-8-12	439 Frelingheysen Ave, Newark	NJ
Fisher Radio Corp., 2-3-8-12	21-21 Forty Fourth Dr, L.I. City 1	NY
Flush Wall Radio Co., 2	1012 Cleveland St, Clearwater	Fla
Gonset Div., Young Spring & Wire Corp., 1	801 S. Main St, Burbank	Cal
Granco Products, Inc., 3-8-12	83-30 Kew Gardens Rd, Kew Gardens	NY
Harkins Radio Inc., 8-12	4444 E. Washington, Phoenix	Ariz
Harman-Kardon, Inc., 3-8-12	520 Main St, Westbury	NY
Heath Co., A Sub of Daystrom, Inc., 1-2-3-8-10	Benton Harbor	Mich
HERMES ELECTRONICS CO., 8, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
I.D.E.A., Inc., 2-10	7900 Pendleton Pike, Indianapolis 26	Ind
International Research Associates, 10	2221 Warwick Ave, Santa Monica	Cal
K L H Research & Development Corp., 8	30 Cross St, Cambridge 39	Mass
Knight Electronics, 2-10	210 S. Des Plaines St, Chicago 6	Ill
Leak Audio Products, 8-12	80 Shore Rd, Port Washington	NY
Midwest Audio Corp., 5-6	3800 W. North Ave, Chicago 47	Ill
Miratel Inc., 2	1080 Dionne St, St. Paul	Minn
Molded Insulation Co., 2	335 E. Price St, Phila 44	Pa
NATIONAL RADIO CO., 1-2-9-11, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Newcomb Audio Products Co., 2-3-8	6824 Lexington Ave, Hollywood 38	Cal
Nipco Mfg. Co., Ltd., 10	1-36 Okachimachi, Daitoku, Tokyo, Japan	
Nippon Electric Co., Ltd., 10	Shiba-Mita, Tokyo, Japan	
Olympic Radio & Television Co., Div of the Siegler Corp., 2-3	34-01 38 Ave, Long Island City	NY
Packard-Bell Electronics Corp., Technical Products Div., 2-3-8-10-11-12	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 10	2295 N.W. 14th St, Miami 35	Fla
Philmore Mfg. Co., Inc., 2-10	130-01 Jamaica Ave, Richmond Hill 18	NY
Pilot Radio Corp., 12	37-06 36th St, Long Island City	NY
RCA Sales Corp., Radio Corp of America Sub, 3-5-8-9-10-11-12	Cherry Hill, Del Twnshp, Camden 8	NJ
Rauland-Borg Corp., 3-12	3535 W. Addison St, Chicago 18	Ill
Rheem Califone Corp., 3	1020 N. La Brea Ave, Hollywood 38	Cal
Sarkes Tarzian, Broadcast Equipment Div., 8	E. Hillside Dr, Bloomington	Ind
Scott, Inc., H.H., 3-8-12	111 Powder Mill Rd, Maynard	Mass
Setchell Carlson, Inc., 12	330 5th Ave, St. Paul 12	Minn
Simpson Mfg. Co., Inc., Mark, 3	32-28 49th St, Long Island City 3	NY
Sony Corp., 1-2-3-10	514 Broadway, New York 12	NY
Sparton Corp., 2-3-8	2400 E. Ganson St, Jackson	Mich
Stromberg-Carlson Div., Gen Dynamics Corp., 2-3-5-6-12	100 Carlson Rd, Rochester 3	NY
Superex Electronics Corp., 10	4-6 Radford Pl, Yonkers	NY
Sylvania Home Electronics, 2-3-10-11	700 Ellicott St, Batavia	NY
Translite Electronics Corp., 2	5720 W. Armitage Ave, Chicago 39	Ill
Trans-Tel Corp., 8	910 N. Orang Dr, Los Angeles 38	Cal
Trav-Ler Radio Corp., 1-2-10-12	573 W. Jackson Blvd, Chicago	Ill
Vinco Electronics Corp., 3-8	65 Wallace St, New Haven 11	Conn
Warwick Mfg. Corp., 1-2-3-4-5-6-8-9-10-11-12	7300 N. Lehigh Ave, Chicago 48	Ill
Webcor, Inc., 3	5610 Bloomingdale, Chicago 39	Ill
Wells-Gardner & Co., 2-3-8-12	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 1-2-3-8-9-10-11-12, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Zenith Radio Corp., 1-2-3-8-9-10-11	6001 Dickens Ave, Chicago 39	Ill

RECEIVERS —*RADIO NAVIGATION*

1. AUTOMATIC ALARM, SHIP 2. BEACON 3. DIRECTION FINDER 4. DIRECTION FINDER, AUTOMATIC 5. LORAN 6. VHF OMNIRANGE

ACF Electronics Div., 2	Riverdale	Md
Aero Geo Astro Corp., 2	1200 Duke St, Alexandria	Va
Aircraft Radio Corp., 4-6	Boonton	NJ
Applied Electronics Co., 3	213 E. Grand Ave, South San Francisco	Cal
Avco Corp., Crosley Div., 3	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd., 3-4	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avionics Corp., 3	Maple Ave & Horsham Rd, Horsham	Pa
Bendix Aviation Corp., Bendix Radio Div., 2-4-6	Baltimore 4	Md
Budd Lewyt Electronics, Inc., 1-2-3-4-6	43-22 Queens St, Long Island City 1	NY
Canadian Marconi Co., 4-6	2444 Trenton Ave, Montreal, Canada	
Collins Radio Co., 6	855 35 St N.E., Cedar Rapids	Iowa
Computing Devices of Canada, Ltd., 3-4	P.O. Box 508, Ottawa, Ontario, Canada	
CONTROL ELECTRONICS CO., INC., 2-3-4-6, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Dare, Inc., 2-4-6	P.O. Box 312, Troy	Ohio
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Edo Corp., 5	College Point 56	NY
Engineering Associates, 3-4	434 Patterson Rd, Dayton 19	Ohio
Forway Industries, Inc., 3	122 Green Ave, Woodbury	NJ
Gilfillan Bros., Inc., 2	1815 Venice Blvd, Los Angeles 6	Cal
HALLICRAFTERS CO., 4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 2-3	Benton Harbor	Mich
Hoffman Electronics Corp., Military Prods Div., 6	3740 S. Grand Ave, Los Angeles 7	Cal
Huyck Systems Co., 3-4-5	360 Wolf Hill Rd, Huntington Sta	NY
ITT Laboratories, 2-3-4-5-6	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
International Research Associates, 3	2221 Warwick Ave, Santa Monica	Cal
Kaar Engineering Corp., 3	2995 Middlefield Rd, Palo Alto	Cal
KEARFOTT DIV., GEN PRECISION, INC., 3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
King Radio Corp., 6	9700 W. 75 St, Merriam	Kan
Lear, Inc., 2	31/1 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 2-3-6	380 Oak St, Copiague	NY
Litton Industries, Maryland Div., 2-3-4-5-6	4900 Calvert Rd, College Park	Md
Mallory & Co., Inc., P.R., 3-6	34 S. Gray St, Indianapolis 6	Ind
Marconi's Wireless Telegraph Co. Ltd. 1-2-3-4-6	750 Third Ave, New York 17	NY
Moran Instrument Corp., 2	170 E. Orange Grove Ave, Pasadena 3	Cal
Mullard Equipment, Ltd., 2	Torrington Pl, London W.C. 1, England	
Munston Electronic Mfg. Corp., 2-3	Beech St, Islip	NY
National Aeronautical Corp., 6	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
NATIONAL RADIO CO., 3, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Nippon Electric Co., Ltd., 3-4-5-6	Shiba-Mita, Tokyo, Japan	
Olympic Radio & Television Co., Div of the Siegler Corp., 2-4	34-01 38 Ave, Long Island City	NY
Packard-Bell Electronics Corp., Technical Products Div., 2-4	12333 W. Olympic Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div., 5-6	4700 Wissahickon Ave, Philadelphia 44	Pa
POLARAD ELECTRONICS CORP., 5, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 2-3-5	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 2-3-4	Newmarket Rd, Cambridge, England	
RS ELECTRONICS CORP., 2, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Racal Engineering, Ltd., 4	Western Rd, Bracknell, Berks, England	
Radio Corp of America Indl Electronic Prods, 3-4-5	Front & Cooper, Camden	NJ
Redifon, Ltd., 1-2-3	Broomhill Rd, Wandsworth, London SW 18	Eng
Resdel Engineering Corp., 2	330 S. Fair Oaks Ave, Pasadena	Cal
Servo Corp of America, 2-3-4-6	111 New South Rd, Hicksville	NY
Simmonds Aerocessories, Inc., 2-3	105 White Plains Rd, Tarrytown	NY
Sonar Radio Corp., 3	3050 W. 21 St, Brooklyn 24	NY
Spectra Electronics Co., 2	250 E. 3rd St, Mt. Vernon	NY
Sperry Gyroscope Div., Sperry Rand, 3-5	Great Neck	NY
Sperry Piedmont Div., Sperry Rand Corp., 3-5	Rt. 29, Charlottesville	Va
Standard Telephones & Cables, Ltd., 2-3-4-6	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 2-6	100 Carlson Rd, Rochester 3	NY
Tamar Electronics, Inc., 4-6	2045 W. Rosecrans Ave, Gardena	Cal
TELECTRO INDUSTRIES CORP., 3-4-6, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telephonics Corp., 3	Park Ave, Huntington	NY
Temco Electronics Div., Temco Aircraft Corp., 2	P.O. Box 6191, Dallas 22	Tex
Topp Industries, Inc., 4-6	5221 W. 102 St, Los Angeles 45	Cal
Trad Electronics Corp., 2	1001 First Ave, Asbury Park	NJ
21st Century Electronics, Inc., 2	P.O. Box 2326, Riverside	Cal
Van Norman Industries, Elect Div., 1-2-6	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 2, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Virginia Electronics Co., Inc., 2	5209 River Rd, Washington 16	DC
Wells-Gardner & Co., 3-4	2701 N. Kildare Ave, Chicago 39	Ill
WILCOX ELECTRIC CO., 2-4-6, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Zenith Radio Corp., 3	6001 Dickens Ave, Chicago 39	Ill

RECEIVERS —*REBROADCAST*

Browning Labs., Inc	100 Union Ave, Laconia	NH
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
General Electronic Labs., Inc	18 Ames St, Cambridge	Mass
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Nems-Clarke Co., Div., Vitro Corp of America	Silver Spring	Md
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Racal Engineering, Ltd	Western Rd, Bracknell, Berks, England	
Redifon, Ltd	Broomhill Rd, Wandsworth, London SW 18	Englan
Rohde & Schwarz, USA, Inc	P.O. Box 275, Passaic	NJ
TECHNICAL MATERIEL CORP., Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**

RECEIVERS —*SEARCH & COUNTERMEASURE*

A.R.F. Products, Inc	7627 Lake St, River Forest	Ill
Admiral Corp	3800 W. Cortland St, Chicago 47	Ill
American Development Electronics Co	212 Central Ave, Newark	NJ
APPLIED RESEARCH, INC., Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Bendix-Pacific Div., Bendix Aviation	11600 Sherman Way, North Hollywood	Cal
Budd Lewyt Electronics, Inc	43-22 Queens St, Long Island City 1	NY
C.G.S. Labs., Inc	Rt 7, Wilton	Conn
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
General Electric Co., Light Military Electronics Dept	French Rd, Utica	NY
General Electronic Labs., Inc	18 Ames St, Cambridge	Mass
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Granger Associates	974 Commercial St, Palo Alto	Cal
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
ITT Laboratories	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Lear, Inc	31/1 S. Bundy Dr, Santa Monica	Cal
LEL Inc	380 Oak St, Copiague	NY
Litton Industries, Maryland Div	4900 Calvert Rd, College Park	Md
Loral Electronics Corp	825 Bronx River Ave, New York 72	NY
Melabs	3300 Hillview Ave, Palo Alto	Cal
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Packard-Bell Electronics Corp., Technical Products Div	12333 W. Olympic Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
RS ELECTRONICS CORP., Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Racal Engineering, Ltd	Western Rd, Bracknell, Berks, England	
Resdel Engineering Corp	330 S. Fair Oaks Ave, Pasadena	Cal
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Space Electronics Corp	930 Air Way, Glendale 1	Cal
Spectra Electronics Co	250 E. 3rd St, Mt. Vernon	NY
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Sylvania Electronic Systems	63 Second Ave, Waltham	Mass
TECHNICAL MATERIEL CORP., Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**

RECEIVERS-TV

1. BATTERY PORTABLE 2. BLACK-AND-WHITE 3. COIN-OPERATED 4. COLOR 5. PROJECTION

Admiral Corp., 2-4	3800 W. Cortland St, Chicago 47	Ill
AMERICAN TELEVISION & RADIO CO., 2,		

Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
Andrea Radio Corp., 2	27-01 Bridge Pl N., Long Island City 1	NY
Argus Cameras, Inc., subsidiary of Sylvania, 2	405 4th St, Ann Arbor	Mich
Calbest Electronics Co., 2	4801 Exposition Blvd, Los Angeles 16	Cal
Chisholm Industries, Ltd., 2	Electronic St, Port Moody, B.C. Canada	
Conrac, Inc., 2	Glendora	Cal
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Electronics Div, Diamond Power Specialty Corp., 2	Box 415, Lancaster	Ohio
Dynamic Electronics, Capehart Corp., 1-2	87-46 123 St, Richmond Hill 18	NY
Emerson Radio & Phonograph Corp., 2-4	14th & Coles Sts, Jersey City	NJ
Hallamore Electronics Co., 2	714 N. Brookhurst Ave, Anaheim	Cal
Interstate Electronics Corp., 2-4	707 E. Vermont Ave, Anaheim	Cal
Miratel Inc., 2	1080 Dionne St, St. Paul	Minn
Nippon Electric Co., Ltd., 2-4	Shiba-Mita, Tokyo, Japan	
Olympic Radio & Television Co., Div of the Siegler Corp., 2	34-01 38 Ave, Long Island City	NY
Orbitran Co., Inc., 2	11487 Woodside Ave, Lakeside	Cal
Packard-Bell Electronics Corp., Technical Products Div., 2-4	12333 W. Olympic Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Prescott Television Co., 2	7706 Melrose Ave, Los Angeles 46	Cal
RCA Sales Corp., Radio Corp of Amer Sub, 1-2-4	Cherry Hill, Del Twnshp, Camden 8	NJ
Setchell Carlson, Inc., 2	330 5th Ave, St. Paul 12	Minn
Sound Scriber Corp., 1	Middletown Ave, North Haven 2	Conn
Sylvania Home Electronics, 2	700 Ellicott St, Batavia	NY
Telequip Radio Co., 2-3	2559 W. 21st St, Chicago 8	Ill
Trav-Ler Radio Corp., 2	573 W. Jackson Blvd, Chicago	Ill
Wells-Gardner & Co., 2	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Zenith Radio Corp., 2	6001 Dickens Ave, Chicago 39	Ill

RECEIVERS-WWV See **RECEIVERS** *-RADIO COMMUNICATION*
RECEIVING COUPLERS See **COUPLERS** *-RECEIVING*
RECEPTACLES See **CONNECTORS: JACKS: PLUGS**
RECORD CHANGERS See **PHONOGRAPHS**

RECORDERS *-ANTENNA RADIATION PATTERN*

Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Dalmo Victor Co., Div., Textron, Inc.	1515 Industrial Way, Belmont	Cal
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal

RECORDERS *-BLOOD PRESSURE, ELECTRONIC*

Hathaway Instruments, Inc	5800 E. Jewell Ave, Denver 22	Colo

RECORDERS *-CONDUCTIVITY, ELECTRONIC*

Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Industrial Instruments, Inc	89 Commerce Rd, Cedar Grove	NJ
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	

RECORDERS *-DENSITY* See **RECORDERS** *-SPECIFIC GRAVITY*
RECORDERS *-DEPTH* See **DEPTH SOUNDERS**
RECORDERS *-DIGITAL* See **PRINTERS**

RECORDERS *-DISK*

Bergen Labs., Inc	60 Spruce St, Paterson 1	NJ
Bogen-Presto Div., Siegler Corp	P.O. Box 500, Paramus	NJ
Components Corp	Denville	NJ
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Gotham Audio Corp	2 W. 46 St, New York 36	NY

RECORDERS *-DRUM, MAGNETIC*

Cook Technological Center	6401 Oakton St, Morton Grove	Ill
Dalmo Victor Co., Div., Textron, Inc.	1515 Industrial Way, Belmont	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Pitometer Log Corp	237 Lafayette St, New York 12	NY
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Southwestern Ind. Electronics Co.	10201 Westheimer Rd, Houston 19	Tex
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

RECORDERS *-ELECTRONIC SELF-BALANCING* See **RECORDERS** *-GRAPHIC*
RECORDERS *-FACSIMILE* See **FACSIMILE EQUIPMENT**

RECORDERS *-FILM (WITH SPROCKETED HOLES)*
1. EMBOSSED-KINESCOPE See **RECORDERS** *-KINESCOPE FILM*
2. MAGNETIC 3. PHOTOGRAPHIC

Bach Auricon, Inc., 2-3	6924 Romaine St, Hollywood 38	Cal
Cook Electric Co., 2	2700 Southport Ave, Chicago 14	Ill
Corbett Science Labs., F.W., 3	3117 Venice Blvd, Los Angeles 19	Cal
Du Mont Labs., Inc., Allen B., 3	750 Bloomfield Ave, Clifton	NJ
Eastman Kodak Co., 3	343 State St, Rochester 4	NY
Electromation Co., 2	1646 18th St, Santa Monica	Cal
Flight Research, Inc., 3	P.O. Box 1-F, Richmond 1	Va
Geotechnical Corp., 3	3401 Shiloh Rd, Garland	Tex
Gordon Enterprises, 2-3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Houston Fearless Corp., 3	11801 W. Olympic Blvd, Los Angeles 64	Cal
Laboratoire Industriel de Physique Appliquee, 2	67 Rue MA Colombier, Bagnolet Seine, France	
Magnasync Corp., 2	5546 Satsuma Ave, North Hollywood	Cal
Minnesota Mining & Mfg. Co., Magnetic Prods. Div., 2	900 Bush Ave, St. Paul 6	Minn
National Cine Equipment, Inc., 3	209 W. 48 St, New York	NY
Optomechanisms, Inc., 3	216 E. Second St, Mineola	NY
Photographic Instrumentation Development Co., 3	19458 Ventura Blvd, Tarzana	Cal
Prescott Television Co., 3	7706 Melrose Ave, Los Angeles 46	Cal
Producers Sales, 3	820 S. Mariposa, Burbank	Cal
SANBORN CO., 3, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
Sangamo Electric Co., 2	1201 N. 11 St, Springfield	Ill
Sound Scriber Corp., 2	Middletown Ave, North Haven 2	Conn
Stromberg-Carlson, Div., Gen Dynamics Corp., 3	1895 Hancock St, San Diego 12	Cal
Telectrosonic Corp., 2	35-18 37th St, Long Island City 1	NY
Television Specialty Co., 3	350 W. 31 St, New York 1	NY
Westrex Corp., Div., Litton Industries, 2-3	540 W. 58 St, New York 19	NY

RECORDERS *-FLUID FLOW, ELECTRONIC*

Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fischer & Porter Co	476 Warminster Rd, Warminster	Pa
Foxboro Co., The	Foxboro	Mass
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Potter Aeronautical Corp	Rt 22, Union	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *-FREQUENCY*

BJ Electronics, Borg-Warner Corp	3300 Newport Blvd, Santa Ana	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Larson Instrument Co	24 Orchard St, Tarrytown	NY
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Potter Aeronautical Corp	Rt 22, Union	NJ
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
Vitro Corp of America	261 Madison Ave, New York 16	NY
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *-GRAPHIC (BASIC INSTRUMENT)*
1. CIRCULAR-CHART (Incl. POLAR COORDINATE) 2. MINIATURE
3. MULTICHANNEL 4. SELF-BALANCING POTENTIOMETER-TYPE
5. STRIP-CHART 6. X-Y

AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 1, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 3, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
ALLEGANY INSTRUMENT CO., INC., 3, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Antlab, Inc., 1-3-5-6	6330 Proprietors Rd, Worthington	Ohio
Atomic Accessories Inc., 5	811 W. Merrick Rd, Valley Stream	NY
B & K Instruments, Inc., 1-4	3018 W. 106th St, Cleveland 11	Ohio
Bailey Meter Co., 1-3-4	1050 Ivanhoe Rd, Cleveland 10	Ohio
Baldwin-Lima Hamilton Corp., 3-4-5	42 Fourth Ave, Waltham 54	Mass
Barnes Development Co., 4	213 W. Baltimore Pike, Lansdowne	Pa
Beckman & Whitley, Inc., 3-4-5-6	913 San Carlos Ave, San Carlos	Cal
Benson-Lehner Corp., 6	1860 Franklin, Santa Monica	Cal
Bristol Co., 1-2-3-4-5-6	P.O. Box 1790EBG, Waterbury 20	Conn
Bruel & Kjaer, 4	Lindealle 23, Naerum, Denmark	
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., 3, Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
Bulow Electric Co., 3	11000 Capital Ave, Oak Park	Ill
California Computer Products, Inc., 6	8714 Cleta St, Downey	Cal
Centronix, Inc., 3	4000 N.W. 28th St, Miami 42	Fla
Century Electronics & Instruments, 3-4-5	1333 N. Utica, Tulsa 10	Okla
Computer Systems, Inc., 3-6	611 Broadway, New York 12	NY
Consolidated Electrodynamics Corp., 3	360 N. Sierra Madre Villa, Pasadena	Cal
Corbett Science Labs., F.W., 4-5-6	3117 Venice Blvd, Los Angeles 19	Cal
CURTISS-WRIGHT CORP., PRINCETON DIV., 2-3-6, Adv Pg 75	**Princeton**	**NJ**
Dalmo Victor Co., Div., Textron, Inc., 5	1515 Industrial Way, Belmont	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 3, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Designers for Industry, 5	4241 Fulton Pkwy, Cleveland 9	Ohio
Electric Tachometer Corp., 5	68 & Upland Sts, Philadelphia	Pa
Electro Instruments, Inc., 6	3540 Aero Ct, San Diego	Cal
Electronic Associates, Inc., 6	Long Branch	NJ
Engineering Associates, 5	434 Patterson Rd, Dayton 19	Ohio
Epic, Inc., 3	150 Nassau St, New York 38	NY
Esterline-Angus Co., Inc., 5	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd., 1-2-3-4-5	Chiswick, London W. 4, England	
Fedrick Fenske & Miller, Inc., 3-6	12822 Panama St, Los Angeles	Cal
Foxboro Co., The, 1-2-3-4-5	Foxboro	Mass
General Measurements Co., Inc., 2-3-5	1108 Beacon St, Newton Highlands 61	Mass
General Nuclear Corp., 3-5	550 Fifth Ave, New York 28	NY
GENERAL RADIO CO., 4-5, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 3-5	3401 Shiloh Rd, Garland	Tex
Gerber Scientific Instrument Co., 3-5	89 Spruce St, Hartford 1	Conn
Gilmore Industries, Inc., 1-3-4-5-6	13015 Woodland Ave, Cleveland 20	Ohio
Hagan Chemicals & Controls, Inc., 1	Hagan Center, Pittsburgh 30	Pa
HEILAND DIV., MINNEAPOLIS-HONEYWELL, 3, Adv Pg 250	**5200 E. Evans Ave, Denver 22**	**Colo**
HEWLETT-PACKARD CO., 6, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hogan Faximile Corp., 3	155 Perry St, New York 14	NY
Houston Instrument Corp., 6	P.O. Box 22234, Houston 27	Tex
Larson Instrument Co., 3	24 Orchard St, Tarrytown	NY
Leeds & Northrup Co., 1-3-4-5-6	4970 Stenton Ave, Philadelphia 44	Pa
Link Div., Gen Precision, Inc., 6	Nowlan Rd, Hillcrest, Binghamton	NY
Loral Electronics Corp., 6	825 Bronx River Ave, New York 72	NY
MASSA DIV., COHU ELECTRONICS, INC., 3-5, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Mast Development Co., Inc., 6	2212 E. 12th St, Davenport 20	Iowa
Meterlog Corp., 5	169 N. Halstead St, Pasadena	Cal
Micrometrical Mfg. Co., 5	P.O. Box 1067, Ann Arbor	Mich
Midwestern Instruments, Inc., 2-3	P.O. Box 7186, Tulsa 18	Okla
Milgo Electronic Corp., 6	7620 N.W. 36th Ave, Miami 47	Fla
Minn-Honeywell, Industrial Div., 1-2-3-4-5-6	Wayne & Windrim, Philadelphia 44	Pa
MOSELEY CO., F.L., 3-4-5-6, Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Muirhead & Co., Ltd., 5-6	Beckenham, Kent, England	
Nesco Instruments, Inc., 2-3-4-5-6	638 W. 17th St, Costa Mesa	Cal
New England Scientific Instruments Co., 2-3-5-6	238 Main St, Cambridge 42	Mass
Newport Scientific Co., 2-4-5	638 W. 17th St, Costa Mesa	Cal
Offner Electronics Inc., 3-5	3900 River Rd, Schiller Park	Ill
Optical Gaging Products, Inc., 6	26 Forbes St, Rochester 11	NY
Optomechanisms, Inc., 6	216 E. Second St, Mineola	NY
Philips' Gloeilampenfabrieken, N.V., 2-3-4-5-6	Eindhoven, Netherlands	
Phoenix Precision Instrument Co., 4-5-6	3805 N. Fifth St, Philadelphia	Pa
Photovolt Corp., 5	95 Madison Ave, New York 16	NY
Photron Instrument Co., 3-5	6516 Detroit Ave, Cleveland 2	Ohio
Radiometer, 4	72 Emdrupvej, Copenhagen NV 1, Denmark	
Research, Inc., 1-4-5	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Research Industrial Labs of Electronics, 4-5	Roslyn	Pa
Robertshaw-Fulton Controls Co., Aero & Instr Div.,		

1-2-5	Santa Ana Freeway at Euclid, Anaheim	Cal
Rust Industrial Co., Inc., 2-3-5	130 Silver St, Manchester	NH
SANBORN CO., 2-3-5-6, Adv. Pgs. 36, 37	**175 Wyman St, Waltham 54**	**Mass**
Sangamo Electric Co., 1-5	1201 N. 11 St, Springfield	Ill
Scientific-Atlanta, Inc., 1	2162 Piedmont Rd N.E., Atlanta 9	Ga
Seiscor Div., Seismograph Service Corp., 3-5-6	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Servo Consultants Ltd., 1	80 Shore Rd, Port Washington	NY
Servo Corp of America, 6	111 New South Rd, Hicksville	NY
Streeter-Amet Co., 1-3-4-5	Grayslake	Ill
Stromberg-Carlson, Div., Gen Dynamics Corp., 6	1895 Hancock St, San Diego 12	Cal
Systron Corp., 4-5	950 Galindo St, Concord	Cal
Tally Register Corp., 6	1310 Mercer St, Seattle 9	Wash
Taylor Instrument Cos., 1-2-3-4-5	95 Ames St, Rochester	NY
Technical Products Co., Instrument Div., 5	6670 Lexington Ave, Los Angeles 38	Cal
TECHNOLOGY INSTRUMENT CORP., 3, Adv Pg 223	**533 Main St, Acton**	**Mass**
Telco, Inc., 3	47 Rue De La Div Leclerc, Gentilly	France
TELECTRO INDUSTRIES CORP., 3, Adv. Pgs. 104, 105	**35-16 37 St, Long Island City 1**	**NY**
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 3-4-5	3609 Buffalo Spdwy, Houston 6	Tex
Thermo Electric Co., 4	Rochelle Park P.O., Saddle Brook	NJ
Thwing-Albert Instrument Co., 5-6	5351 Pulaski Ave, Philadelphia 44	Pa
Times Facsimile Corp., 3	540 W. 58th St, New York 19	NY
United Electric Controls Co., 1-5	85 School St, Watertown 72	Mass
VARIAN ASSOCIATES, 4-5, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
West Instrument Corp., 4-5	4363 W. Montrose, Chicago 41	Ill
Westrex Corp., Div., Litton Industries, 1-3-5-6	540 W. 58 St, New York 19	NY
Westronics, Inc., 2-3-4-5-6	3605 McCart St, Ft. Worth	Tex
Yellow Springs Instrument Co., Inc., 5	P.O. Box 106E, Yellow Springs	Ohio

RECORDERS —*HUMIDITY, ELECTRONIC*

Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Rust Industrial Co., Inc	130 Silver St, Manchester	NH
Texas Instruments Incorporated, Geosciences & Instrumentation Div	3609 Buffalo Spdwy, Houston 6	Tex
Weighing & Control Components, Inc	Ind'l Park, E. County Line Rd, Hatboro	Pa
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*IMPEDANCE*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Bristol Co.	P.O. Box 1790EBG, Waterbury 20	Conn
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Meterlog Corp.	169 N. Halstead St, Pasadena	Cal
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*INTERMITTENT*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Bergen Labs., Inc	60 Spruce St, Paterson 1	NJ
Geotechnical Corp.	3401 Shiloh Rd, Garland	Tex
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hathaway Instruments, Inc	5800 E. Jewell Ave, Denver 22	Colo
Larson Instrument Co	24 Orchard St, Tarrytown	NY
MOSELEY CO., F.L., Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
Producers Sales	820 S. Mariposa, Burbank	Cal

RECORDERS —*KINESCOPE FILM*

Bach Auricon, Inc	6924 Romaine St, Hollywood 38	Cal
Dage TV Div., Thompson-Ramo-Wooldridge	W. Tenth St, Michigan City	Ind
Flight Research, Inc.	P.O. Box 1-F, Richmond 1	Va
GPL Div., General Precision, Inc	63 Bedford Rd, Pleasantville	NY
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
National Cine Equipment, Inc	209 W. 48 St, New York	NY
Producers Sales	820 S. Mariposa, Burbank	Cal
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Television Specialty Co	350 W. 31 St, New York 1	NY
TELEVISION UTILITIES CORP., DIV OF NORD, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Vitro Corp of America	261 Madison Ave, New York 16	NY

RECORDERS —*LEVEL*

1. DRY MATERIALS 2. LIQUID

Automation Products, Inc., 1-2	3030 Max Roy St, Houston 24	Tex
Avionics Corp., 2	Maple Ave & Horsham Rd, Horsham	Pa
Bailey Meter Co., 2	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bristol Co., 2	P.O. Box 1790EBG, Waterbury 20	Conn
Consolidated Airborne Systems, 2	900 3rd Ave, New Hyde Park	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-2, Adv Pg 75	**Princeton**	**NJ**
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Fischer & Porter Co., 2	476 Warminster Rd, Warminster	Pa
Foxboro Co., The, 1-2	Foxboro	Mass
General Ultrasonics Co., 2	67 Mulberry St, Hartford 3	Conn
Hagan Chemicals & Controls, Inc., 2	Hagan Center, Pittsburgh 30	Pa
Leeds & Northrup Co., 2	4970 Stenton Ave, Philadelphia 44	Pa
Leupold & Stevens Instruments, Inc., 2	4443 N.E. Gilsan, Portland	Ore
MAGNETIC INSTRUMENT CO., INC., 1-2, Adv Pg 548	**637 Commerce St, Thornwood**	**NY**
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Robertshaw-Fulton Controls Co., Aero & Instr Div., 1-2	Santa Ana Freeway at Euclid, Anaheim	Cal
Simmonds Aerocessories, Inc., 2	105 White Plains Rd, Tarrytown	NY
Taylor Instrument Cos., 2	95 Ames St, Rochester	NY
Thermovolt Instruments, Ltd., 2	70 Advance Rd, Toronto 18, Ontario, Canada	
Wells Industries Corp., 1-2	6880 Troost Ave, North Hollywood	Cal

RECORDERS —*MAGNETIC-TAPE (Incl. REPRODUCERS)*

1. COMMUNICATION MONITORING (12-HOUR OR 24-HOUR)

2. COMPUTER & INDUSTRIAL CONTROL 3. MINIATURE (POCKET-SIZE) 4. MONAURAL, ENTERTAINMENT 5. STEREO 6. TAPE LOOP 7. VIDEO, COLOR TV 8. VIDEO, MONOCHROME TV

Alto Fonic Corp., 4-5-6	981 Commercial St, Palo Alto	Cal
Alwac Computer Div., El-Tronics, Inc., 2	13040 S. Cerise, Hawthorne	Cal
American Electronics, Inc., Amer Concertone Div., 3-4-5	9449 W. Jefferson Blvd, Culver City	Cal
American Geloso Electronics, 3-4	251 Park Ave S., New York	NY
Ampex Data Products Co., 1-2-4-5-6-7-8	934 Charter St, Redwood City	Cal
Amplifier Corp of America, 1-4-5-6	396 Broadway, New York 13	NY
Ampro Corp	1345 Diversey Pkwy, Chicago	Ill
Applied Magnetics Corp., 3-5-6	Box 368, Goleta	Cal
Audio-Master Corp., 4-5	17 East 45th St, New York 17	NY
BJ Electronics, Borg-Warner Corp., 2	3300 Newport Blvd, Santa Ana	Cal
Bell & Howell Co	7100 McCormick Rd, Chicago 45	Ill
Bell Sound Div., TRW, Inc., 4-5	555 Marion Rd, Columbus	Ohio
Benson-Lehner Corp., 2	1860 Franklin, Santa Monica	Cal
Bogen-Presto Div., Siegler Corp., 1-4-5-6	P.O. Box 500, Paramus	NJ
Broadcast Eqpt Specialties Corp., 1-3	P.O. Box 149, Beacon	NY
Concord Control, Inc., 2	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Electrodynamics Corp., 2-6	360 N. Sierra Madre Villa, Pasadena	Cal
Cook Technological Center, 6	6401 Oakton St, Morton Grove	Ill
Crown Internat'l Div., Int. Rad & El Corp., 4-5	Box 261, Elkhart	Ind
Data Equipment Co., 2	923 E. 3rd St, Los Angeles 13	Cal
EMI-COSSOR ELECTRONICS LTD., 2-4-5, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Edwards Engineering Co., 1-3-4-5-6	23 Yennicock Ave, Port Washington	NY
Electro-Logic Corp., 2	515 Boccaccio, Venice	Cal
Electromation Co., 1-2-4-5	1646 18th St, Santa Monica	Cal
Electronic Applications, Inc., 3-4-5-6	194 Richmond Hill Ave, Stamford	Conn
Epsco, Inc., Systems Div., 2	275 Massachusetts Ave, Cambridge 39	Mass
Fen-Tone Corp., 4-5	106 Fifth Ave, New York 11	NY
Franklin Electronics, Commun & Control Div., 2	5901 Noble Ave, Van Nuys	Cal
GPL Div., General Precision, Inc., 8	63 Bedford Rd, Pleasantville	NY
GATES RADIO CO., 1-3-5-6, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Kinetics, Inc., 2	2611 Shirlington Rd, Arlington 6	Va
Gordon Enterprises, 3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Heath Co., A Sub of Daystrom, Inc., 4-5	Benton Harbor	Mich
I B M Federal Systems Div., 2	326 E. Montgomery Ave, Rockville	Md
Leach Corp., 2-3	18435 Susana Rd, Compton	Cal
Lesa Construzioni Elettromeccaniche Spa, 4	Via Bergamo 21, Milan, Italy	
Magnasync Corp., 1-2-6	5546 Satsuma Ave, North Hollywood	Cal
Magnecord Div., MI, 1-4-5-6	P.O. Box 7186, Tulsa 5	Okla
Metzner Engineering Corp., 5	1041 N. Sycamore, Hollywood 38	Cal
Midwestern Instruments, Inc., 1-2-4-5-6	P.O. Box 7186, Tulsa 18	Okla
Mincom Div., Minnesota Mining & Mfg. Co., 2	2049 S. Barrington, Los Angeles 25	Cal
Minicord Corp of America, 3	1913 Atlantic Ave, Atlantic City	NJ
Minn-Honeywell, Industrial Div., 1-2-6	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Industrial Systems Div., 1-2-6	10721 Hanna St, Beltsville	Md
Moulic Specialties Co., 1-2-6	1007 W. Washington St, Bloomington	Ill
Newcomb Audio Products Co., 5	6824 Lexington Ave, Hollywood 38	Cal
Packard-Bell Electronics Corp., Technical Products Div., 1-4-6	12333 W. Olympic Blvd, Los Angeles 64	Cal
Peirce Dictation Systems, 4	5900 Northwest Hwy, Chicago 31	Ill
Pentron Corp., 4-5-6	777 S. Tripp Ave, Chicago 24	Ill
Potter Instrument Co., Inc., 1-2-6	Sunnyside Blvd, Plainview	NY
Precision Instrument Corp., 1-2-3-6	1011 Commercial St, San Carlos	Cal
Radio Corp of America Indl Electronic Prods, 2-4-5-7-8	Front & Cooper, Camden	NJ
Rangertone, Inc., 4-5	73 Winthrop St, Newark 4	NJ
Raymond Engineering Lab., Inc., 3	Smith St, Middletown	Conn
Revere Camera Co., 4-5	320 E. 21st St, Chicago 16	Ill
Rheem Califone Corp., 4	1020 N. La Brea Ave, Hollywood 38	Cal
Roberts Electronic's, Inc., 4-5	829 N. Highland Ave, Hollywood 38	Cal
Sangamo Electric Co., 6	1201 N. 11 St, Springfield	Ill
Sony Corp., 4-5-6-7-8	514 Broadway, New York 12	NY
Sorensen Industrial Electronic Co., 1	Rt 10, Dover	NJ
Sound Scriber Corp., 1	Middletown Ave, North Haven 2	Conn
Southwestern Ind. Electronics Co., 2-6	10201 Westheimer Rd, Houston 19	Tex
Stancil-Hoffman Corp., 1-2-4-5-6	921 N. Highland Ave, Hollywood 38	Cal
Superscope Inc., 4-5	8520 Tujunga Ave, Sun Valley	Cal
Tandberg of America, Inc., 3-4-5	8 3rd Ave, Pelham	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1	23555 Euclid Ave, Cleveland 17	Ohio
Tape-Athon, 4-5	523 S. Hindry Ave, Inglewood	Cal
TELECTRO INDUSTRIES CORP., 2-6, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telectrosonic Corp., 4-5	35-18 37th St, Long Island City 1	NY
Trav-Ler Radio Corp., 4-5	573 W. Jackson Blvd, Chicago	Ill
V-M Corp., 4-5	305 Territorial, Benton Harbor	Mich
Viking of Minneapolis, 5-6	9600 Aldrich Ave S., Minneapolis 20	Minn
Virginia Electronics Co., Inc., 6	5209 River Rd, Washington 16	DC
Warwick Manufacturing Corp., 4-5	7300 N. Lehigh Ave, Chicago 48	Ill
Webcor, Inc., 4-5	5610 Bloomingdale, Chicago 39	Ill
Webster Electric Co., 4-5	1900 Clark St, Racine	Wisc
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY
Wollensak Optical Co., 4-5	320 E. 21st St, Chicago 16	Ill

RECORDERS —*MECHANICAL*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Foxboro Co., The	Foxboro	Mass
Hogan Faximile Corp	155 Perry St, New York 14	NY
Pentron Corp	777 S. Tripp Ave, Chicago 24	Ill
Soroban Engineering, Inc	P.O. Box 1717, Melbourne	Fla
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Warren Mfg. Co., Inc	Newtown Rd, Littleton	Mass
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*MICROMICROAMPERE* See RECORDERS —*GRAPHIC*
RECORDERS —*MILLIVOLT* See RECORDERS —*GRAPHIC*

RECORDERS —*MOISTURE, ELECTRONIC*

Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Foxboro Co., The	Foxboro	Mass

Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Moisture Register Co	1510 W. Chestnut St, Alhambra	Cal
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pimex, Inc	18 E. 60th St, New York 22	NY
Strandberg Engineering Labs., Inc	416 W. Market S., Greensboro	NC
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*OSCILLOGRAPH* See **OSCILLOGRAPHS**

RECORDERS —*OXYGEN*

Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Mine Safety Appliances Co	203 N. Braddock Ave, Pittsburgh	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Servomex Controls Ltd	Crowborough, Sussex, England	
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*pH*

Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*POCKET* See **RECORDERS** —*MAGNETIC TAPE*
RECORDERS —*POLAR COORDINATE* See **RECORDERS** —*GRAPHIC*

RECORDERS —*POWER LEVEL*

Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*PRESSURE, ELECTRONIC*

Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
ALLEGANY INSTRUMENT CO., INC., Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Automatic Timing & Controls, Inc	King of Prussia	Pa
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bytrex Corp	50 Hunt St, Newton	Mass
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Consolidated Electrodynamics Corp	360 N. Sierra Madre Villa, Pasadena	Cal
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Electro-Logic Corp	515 Boccaccio, Venice	Cal
Erdco Engineering Corp	Addison	Ill
Esterline-Angus Co., Inc	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Fredericks Co	Bethayres	Pa
Hastings-Raydist, Inc	Hampton 9	Va
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Santa Barbara Instrumentation Corp	Bldg 116, S.B. Airport, Goleta	Cal
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Telco, Inc	47 Rue De La Div Leclerc, Gentilly	France
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*SHOCK*

CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mich
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
Impact-O-Graph Corp., The	1900 Euclid Ave, Cleveland 15	Ohio
Leach Corp	18435 Susana Rd, Compton	Cal
Santa Barbara Instrumentation Corp	Bldg 116, S.B. Airport, Goleta	Cal
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*SMOKE & COMBUSTION, ELECTRONIC*

Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Photomation, Inc	96 S. Washington Ave, Bergenfield	NJ
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*SOUND* See **RECORDERS** —*DISK*

RECORDERS — *SOUND-LEVEL*

Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
B & K Instruments, Inc	3018 W. 106th St, Cleveland 11	Ohio
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Edwards Engineering Co	23 Yennicock Ave, Port Washington	NY
Electro-Logic Corp	515 Boccaccio, Venice	Cal
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Mincom Div., Minnesota Mining & Mfg. Co	2049 S. Barrington, Los Angeles 25	Cal
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Scientific-Atlanta, Inc	2162 Piedmont Rd N.E., Atlanta 9	Ga
Telectrosonic Corp	35-18 37th St, Long Island City 1	NY
Western Electro-Acoustic Lab	11787 San Vicente Blvd, Los Angeles	Cal
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

RECORDERS —*SPECIFIC-GRAVITY, ELECTRONIC*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Potter Aeronautical Corp	Rt 22, Union	NJ
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*STRAIN*

ALLEGANY INSTRUMENT CO., INC., Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
AMERICAN OPTICAL CO., INSTRUMENT DIV., Adv Pg 401	**Buffalo 15**	**NY**
Automatic Timing & Controls, Inc	King of Prussia	Pa
B & F Instruments, Inc	3644 N. Lawrence St, Philadelphia 40	Pa
Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Bytrex Corp	50 Hunt St, Newton	Mass
Control Devices, Inc	925 S. Eton Rd, Birmingham	Mich
Electro-Logic Corp	515 Boccaccio, Venice	Cal
Foxboro Co., The	Foxboro	Mass
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Thwing-Albert Instrument Co	5351 Pulaski Ave, Philadelphia 44	Pa
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS —*SURFACE-ROUGHNESS*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ

RECORDERS —*TAPE* See **RECORDERS** —*MAGNETIC-TAPE*
RECORDERS —*TAPE-LOOP* See **RECORDERS** —*MAGNETIC-TAPE*
RECORDERS —*TELEMETERING* See **RECORDERS** —*GRAPHIC*: **RECORDERS** — *MAGNETIC-TAPE*

RECORDERS —*TELEPHONE*

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
American Geloso Electronics	251 Park Ave S., New York	NY
Minicord Corp of America	1913 Atlantic Ave, Atlantic City	NJ
Southern Instruments, Ltd	Frimley Rd, Camberley, Surrey, England	

RECORDERS —*TEMPERATURE, ELECTRONIC*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
Airtronics, Inc	5522 Dorsey Ln, Washington 16	DC
Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Beckman & Whitley, Inc	913 San Carlos Ave, San Carlos	Cal
Bytrex Corp	50 Hunt St, Newton	Mass
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Electro-Logic Corp	515 Boccaccio, Venice	Cal
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Fredericks Co	Bethayres	Pa
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pimex, Inc	18 E. 60th St, New York 22	NY
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ
Santa Barbara Instrumentation Corp	Bldg 116, S.B. Airport, Goleta	Cal
SHAW INSTRUMENT CORP., Adv Pg 527	**P.O. Box G-46, Latrobe**	**Pa**
Smith Co., Arthur F.	311 Alexander St, Rochester	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Thwing-Albert Instrument Co	5351 Pulaski Ave, Philadelphia 44	Pa
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Westronics, Inc	3605 McCart St, Ft. Worth	Tex
Yellow Springs Instrument Co., Inc	P.O. Box 106E, Yellow Springs	Ohio

RECORDERS —*THICKNESS*
1. FILM 2. MATERIALS

Automatic Timing & Controls, Inc., 1-2	King of Prussia	Pa
GPE Controls, Inc., 1	240 E. Ontario St, Chicago 11	Ill
Isotope Developments, Ltd., 1-2	Beenham Grange, Reading, Berks, England	
Schaevitz Engineering., 1	P. O. Box 505, Camden 1	NJ
Tracerlab, Inc., 1-2	1601 Trapelo Rd, Waltham 54	Mass
Unit Process Assemblies, Inc., 1	61 E. 4th St, New York 3	NY

RECORDERS —*TIMING* See *Also* **CHRONOGRAPHS** *(TIME INTERVAL RECORDERS)*

Annis Co., R.B.	1101 N. Delaware St, Indianapolis	Ind
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
Chrono-Log Corp	P.O. Box 4587, Philadelphia 31	Pa
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Haydon Co., A.W., The	238 N. Elm St, Waterbury	Conn
Ingraham Co., E.	Bristol	Conn
NORTHEASTERN ENGINEERING, INC., Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Par Products Corp	602 Colorado Ave, Santa Monica	Cal
Sheffield Corp., Sub., Bendix Avia. Corp	P.O. Box 893, Dayton 1	Ohio
Streeter-Amet Co	Grayslake	Ill
Television Specialty Co	350 W. 31 St, New York 1	NY
Times Facsimile Corp	540 W. 58th St, New York 19	NY
Vitro Corp of America	261 Madison Ave, New York 16	NY

RECORDERS —*TORQUE, ELECTRONIC*

Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bergen Labs., Inc	60 Spruce St, Paterson 1	NJ
Bytrex Corp	50 Hunt St, Newton	Mass
Foxboro Co., The	Foxboro	Mass
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Magtrol, Inc	240 Seneca St, Buffalo 4	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Pitometer Log Corp	237 Lafayette St, New York 12	NY
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa

Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *–TRANSIENT* See **OSCILLOGRAPHS**

RECORDERS *–VACUUM*

Bailey Meter Co	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bristol Co	P.O. Box 1790EBG, Waterbury 20	Conn
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Edwards High Vacuum(Canada)Ltd	Box 515, Burlington, Ontario, Canada	
Esterline-Angus Co., Inc	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Foxboro Co., The	Foxboro	Mass
Fredericks Co	Bethayres	Pa
Hastings-Raydist, Inc	Hampton 9	Va
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Smith Co., Arthur F.	311 Alexander St, Rochester	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Wallace & Tiernan, Inc	25 Main St, Belleville 9	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *–VIDEO TAPE* See **RECORDERS** *–MAGNETIC-TAPE*

RECORDERS *–VISCOSITY*

Automation Products, Inc	3030 Max Roy St, Houston 24	Tex
Computing Devices of Canada, Ltd	P.O. Box 508, Ottawa, Ontario, Canada	
Foxboro Co., The	Foxboro	Mass
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *–VOLTAGE* See **RECORDERS** *–GRAPHIC*

RECORDERS *–WEIGHT, ELECTRONIC*

Baldwin-Lima Hamilton Corp	42 Fourth Ave, Waltham 54	Mass
Bytrex Corp	50 Hunt St, Newton	Mass
Erdco Engineering Corp	Addison	Ill
Foxboro Co., The	Foxboro	Mass
Gilmore Industries, Inc	13015 Woodland Ave, Cleveland 20	Ohio
Howe Scale Co	Rutland	Vt
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
Niagara Electron Laboratories	Main & Greenwood Sts, Andover	NY
Offner Electronics Inc	3900 River Rd, Schiller Park	Ill
Orbitran Co., Inc	11487 Woodside Ave, Lakeside	Cal
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Streeter-Amet Co	Grayslake	Ill
Westronics, Inc	3605 McCart St, Ft. Worth	Tex

RECORDERS *–WIRE*

Aurex Corp	315 W. Adams St, Chicago 6	Ill
Minicord Corp of America	1913 Atlantic Ave, Atlantic City	NJ

RECORDERS – X-Y See **RECORDERS** *–GRAPHIC*
RECORDING AMPLIFIERS – A-F See **AMPLIFIERS – A-F**
RECORDING AMPLIFIERS *–INSTRUMENTATION* See **AMPLIFIERS** *–INSTRUMENTATION*
RECORDING CAMERAS See **CAMERAS** *–PHOTOGRAPHIC*
RECORDING DISKS See **DISKS**
RECORDING FILM *–PHOTOGRAPHIC* See **FILMS** *–PHOTOGRAPHIC RECORDING*
RECORDING HEADS See **HEADS** *–RECORDING*
RECORDING LATHES See **RECORDERS** *–DISK*
RECORDING PAPER See **PAPER** *–RECORDING*
RECORDING PAPER *–FACSIMILE* See **FACSIMILE EQUIPMENT**
RECORDING TAPE See **TAPES** *–MAGNETIC RECORDING*
RECORDING WIRE See **WIRE** *–RECORDING*
RECORD-MANUFACTURING EQUIPMENT See **MACHINES** *–RECORD-MANUFACTURING*
RECORD PLAYERS See **PHONOGRAPHS**

RECORDS *–TEST, DISK*

Components Corp	Denville	NJ

RECTIFIERS *–DRY-DISK & CRYSTAL*
1. COPPER-OXIDE 2. COPPER SULFIDE 3. GERMANIUM, AREA-TYPE 4. METALLIC STACK 5. SELENIUM 6. SILICON 7. SILICON, MULTIPLE JUNCTION OR SERIES

Allis-Chalmers Mfg. Co., 3-5-6	935 S. 70th St, Milwaukee 1	Wisc
American Rectifier Corp., 4-5-6	95 Lafayette St, New York 13	NY
Anchor Metal Co., The, 5-6	966 Meeker Ave, Brooklyn 22	NY
Avnet Electronics Corp., 6	70 State St, Westbury	NY
BAKER CHEMICAL CO., J.T., 1, Adv Pg 241	**Phillipsburg**	**NJ**
Barco, Inc., 5-6-7	Box 1222, Milwaukee 1	Wisc
BENDIX AVIATION CORP., SEMICONDUCTOR PRODUCTS, RED BANK DIV., 6, Adv Pg 268	**201 Westwood Ave, Long Branch**	**NJ**
Bogue Electric Mfg. Co., 6	52 Iowa Ave, Paterson 3	NJ
Bradley Semiconductor Corp., 1-5-6	275 Welton St, New Haven 11	Conn
Britton Electronics Corp., 4-5-6-7	19 Warren Pl, Mt. Vernon	NY
CLARK ELECTRONIC LABS., 5-6-7, Adv Pg 542	**P.O. Box 165, Palm Springs**	**Cal**
Columbus Electronics Corp., 6-7	1010 Saw Mill River Rd, Yonkers	NY
Computing Devices of Canada, Ltd., 6-7	P.O. Box 508, Ottawa, Ontario, Canada	
Conant Labs., 1-5	Box 3997, Bethany Sta., Lincoln 5	Neb
Connolly & Co., Wallace E., 5	P.O. Box 295, Menlo Park	Cal
Continental Device Corp., 6	12515 Chadron Ave, Hawthorne	Cal
Dallons Semiconductors Div., 6-7	5066 Santa Monica, L A 29	Cal
Delco Radio Div, GMC., 6	700 E. Firmin St, Kokomo	Ind
Djeco, Div., Djordjevic Engrg Co., 3-4-5-6-7	1933 N. Damen, Chicago 47	Ill
EDAL INDUSTRIES, INC., 1-4-5, Adv Pg 564	**64 Franklin St, New Haven 11**	**Conn**
Electronic Devices, Inc., 4-5	429 12th St, Brooklyn 15	NY
Exide Ind'l. Div., Elec. Stor. Battery Co., 6	Rising Sun/Adams, Phila 20	Pa
Fansteel Metallurgical Corp., 4-5-6-7	2200 Sheridan, N. Chicago	Ill
GATES ELECTRONIC CO., 4-5-6, Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 5-6-7, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Semiconductor Products Dept., 1-3-5-6	Charles Bldg, Liverpool	NY
General Electric Co., Semiconductor Prods Dept., Rectifier Comp., 1-3-4-5-6-7	W. Genesse St, Auburn	NY
GENERAL INSTRUMENT CORP., SEMICONDUCTOR DIV., 4-6-7, Adv Pg 458	**65 Gouverneur St, Newark 4**	**NJ**
General Nuclear Corp., 4-5-6	550 Fifth Ave, New York 28	NY
Green Rectifier Co., 4-5-6	1-10 30th St, Fair Lawn	NJ
Hoffman Electronics, Semiconductor Div., 6	1001 N. Arden Dr, El Monte	Cal
Hughes Microwave Components Div., 6	Florence & Teale, Culver City	Cal
HUGHES SEMICONDUCTOR DIV., 6, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
ITT Federal Div., ITT, 3-5	100 Kingsland Rd, Clifton	NJ
Industro Transistor Corp., 6	35-10 36th Ave, Long Island City 6	NY
Intermetall Div., Clevite Corp., 6	Dusseldorf/West Germany	
INTERNATIONAL RECTIFIER CORP., 4-5-6-7, Adv. Pgs. 142, 143	**233 Kansas St, El Segundo**	**Cal**
Intl Tel & Tel Corp., Components Div., Semiconductor Dept., 4-5-6-7	P.O. Box 412, Clifton	NJ
Kobzy Tool Co., 6	1535 N. Dayton, Chicago 22	Ill
Ledex, Inc., 5	123 Webster St, Dayton 2	Ohio
MACARR, INC., 5-6, Adv Pg 534	**4360 Bullard Ave, Bronx**	**NY**
A.D. Mackay, Inc., 6	198 Broadway, New York 38	NY
Mallory & Co., Inc., P.R., 2	34 S. Gray St, Indianapolis 6	Ind
MOTOROLA, INC., SEMICONDUCTOR PRODUCTS DIV., 6, Adv Pg 359	**5005 E. McDowell Rd, Phoenix**	**Ariz**
Nippon Electric Co., Ltd., 1-3-5-6	Shiba-Mita, Tokyo, Japan	
NORTH AMERICAN ELECTRONICS, INC., 6-7, Adv Pg 455	**71 Linden St, West Lynn**	**Mass**
Nucleonic Products Co., 1-6	1601 Grande Vista Ave, Los Angeles 23	Cal
OPAD ELECTRIC CO., 1-2-3-4-5-6-7, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Pacific Semiconductors, Inc., 6	10451 W. Jefferson, Culver City	Cal
PHYSICS RESEARCH LABS., INC., 1, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., 6, Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Radio Industries, Inc., 5	666 Garland Pl, Des Plaines	Ill
Rapid Electric Co., 5	2881 Middletown Rd, Bronx 61	NY
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 6, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Raytheon Co. Semiconductor Div., 6-7	215 1st Ave, Needham Hgts. 94	Mass
RECTICO, INC., 1-4-5-6, Adv Pg 536	**963 Frelinghuysen Ave, Newark 5**	**NJ**
RHEEM SEMICONDUCTOR CORP., 6-7, Adv. Pgs. 198, 199	**P.O. Box 1327, Mountain View**	**Cal**
Richardson-Allen Corp., 4-5-6	116-15 15th Ave, College Point	NY
Sanford Miller Co., 4-5-6-7	11 Lynch St, Brooklyn 11	NY
Sarkes Tarzian, Inc., Rectifier Div., 5-6-7	415 N. College Ave, Bloomington	Ind
Schauer Mfg. Corp., 1-4-5	4521 Alpine Ave, Cincinnati 42	Ohio
Sel-Rex Corp., 1-3-4-5-6-7	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc., 5	550 S. Fulton Ave, Mt. Vernon	NY
SEMICON, INC., 6-7, Adv Pg 395	**Sweetwater Rd, Bedford**	**Mass**
Semiconductor Specialists, Inc., 6	5706 W. North Ave, Chicago 39	Ill
Slater Electric & Mfg. Co., 1-2-3-4-5-6-7	45 Seacliff Ave, Glen Cove	NY
Solid State Products, Inc., 7	1 Pingree St, Salem	Mass
Solitron Devices, Inc., 6-7	67 S. Lexington Ave, White Plains	NY
Sony Corp., 3-6	514 Broadway, New York 12	NY
SPERRY SEMICONDUCTOR DIV., SPERRY RAND CORP., 6, Adv Pg 178	**South Norwalk**	**Conn**
Standard Telephones & Cables, Ltd., 5-6-7	63 Aldwych, London W. C. 2	England
Sylvania Electric Prods. Inc., Semiconductor Div., 3-6-7	100 Sylvan Rd, Woburn	Mass
TECHNICAL APPARATUS BUILDERS, 1-5-6-7, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Ther Electric & Machine Works	17 S. Jefferson St, Chicago 6	Ill
TRANSITRON ELECTRONIC CORP., 4-6-7, Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
Trans-Sil Corp., 4-6-7	55 Honeck St, Englewood	NJ
United Mineral & Chemical Corp., 3-5	16 Hudson St, New York 13	NY
U.S. SEMICONDUCTOR PRODUCTS, DIV., UNITED INDUSTRIAL CORP., 6-7, Adv Pg 201	**3540 W. Osborn Rd, Phoenix**	**Ariz**
UNIVERSAL RELAY CORP., 5, Adv Pg 565	**42E White St, New York 13**	**NY**
VECTOR ELECTRONIC CO., 5, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Vickers, Inc., Electric Products Div., 5-6	1899 Locust St, St. Louis 3	Mo
Vidaire Electronics Mfg. Corp., 6	44 Church St, Baldwin	NY

RECTIFIERS *–SEMICONDUCTOR, CONTROLLED (SOLID-STATE THYRATRONS)*

Allis-Chalmers Mfg. Co	935 S. 70th St, Milwaukee 1	Wisc
Bradley Semiconductor Corp	275 Welton St, New Haven 11	Conn
Britton Electronics Corp	19 Warren Pl, Mt. Vernon	NY
Djeco, Div., Djordjevic Engrg Co	1933 N. Damen, Chicago 47	Ill
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Semiconductor Products Dept	Charles Bldg, Liverpool	NY
General Electric Co., Semiconductor Prods Dept., Rectifier Components	W. Genesse St, Auburn	NY
Industro Transistor Corp	35-10 36th Ave, Long Island City 6	NY
INTERNATIONAL RECTIFIER CORP., Adv. Pgs. 142, 143	**233 Kansas St, El Segundo**	**Cal**
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
NORTH AMERICAN ELECTRONICS, INC., Adv Pg 455	**71 Linden St, West Lynn**	**Mass**
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Sarkes Tarzian Inc., Rectifier Div	415 N. College Ave, Bloomington	Ind
Slater Electric & Mfg. Co	45 Seacliff Ave, Glen Cove	NY
Solid State Products, Inc	1 Pingree St, Salem	Mass
Solitron Devices, Inc	67 S. Lexington Ave, White Plains	NY
Sony Corp	514 Broadway, New York 12	NY
TECHNICAL APPARATUS BUILDERS, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TRANSITRON ELECTRONIC CORP., Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**

RECTIFIERS *–TUBE* See **TUBES** *–RECTIFYING*

REELS *–MAGNETIC TAPE*

American Molded Products Co	2727 W. Chicago Ave, Chicago 22	Ill
Ampex Data Products Co	934 Charter St, Redwood City	Cal
Ellis & Sons, Inc., George D.	4002 N. American St, Philadelphia 40	Pa
General Kinetics, Inc	2611 Shirlington Rd, Arlington 6	Va
Minnesota Mining & Mfg. Co., Magnetic Products	900 Bush Ave, St. Paul 6	Minn
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY

Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Sony Corp	514 Broadway, New York 12	NY
Standard Record Mfg. Co	70 N. San Gabriel Blvd, Pasadena	Cal
Tayloreel Corp	185 Murray St, Rochester	NY

REELS *–RETRACTILE, CABLE & WIRE*

Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Hykon Mfg. Co	165 E. State St, Alliance	Ohio
Industrial Electrical Works	1509 Chicago St, Omaha 2	Neb

REFLECTION METERS See METERS *–REFLECTION, PHOTOELECTRIC*

REFLECTOMETERS See *Also* COUPLERS *–DIRECTIONAL:* DETECTORS *– STANDING-WAVE:* METERS *–REFLECTION*

FXR, INC., Adv. Pgs. 273–276	**26–12 Borough Pl, Woodside 77**	**NY**
HEWLETT-PACKARD CO., Adv. Pgs. 19–34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Precision Microwave Corp	Main St, Millis	Mass

REFLECTORS *–PASSIVE, MICROWAVE*

AINSLIE CORP., Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc	48 Cummington St, Boston	Mass
ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
FXR, INC., Adv. Pgs. 273–276	**26–12 Borough Pl, Woodside 77**	**NY**
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Instrument Systems Corp	129–07 18th Ave, College Point 56	NY
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Microflect Co., Inc	2300–25th S. E., Salem	Ore
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TECHNICAL APPLIANCE CORP., Adv Pg 513	**P.O. Box 38, Sherburne**	**NY**
TORNGREN CO., INC., C.W., Adv Pg 505	**236 Pearl St, Somerville 45**	**Mass**
Tower Construction Co	2700 Hawkeye Dr, Sioux City	Iowa

REFRIGERATOR-TYPE COOLING UNITS See COOLING UNITS
REGISTER CONTROLS See CONTROLS *–PHOTOELECTRIC*
REGISTERS *–ELECTROMECHANICAL* See COUNTERS *–ELECTROMAGNETIC*

REGISTERS *–SHIFT*

Abacus, Inc	3040 Overland Ave, Los Angeles 34	Cal
AMP, INC., Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
C&K Components, Inc	101–103 Morse St, Newton 58	Mass
Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Di An Controls, Inc	40 Leon St, Boston 15	Mass
EPSCO INC., COMPONENTS DIV., Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Forbes & Wagner, Inc	345 Central Ave, Silver Creek	NY
General Electric Co., Heavy Military Electronics Dept	Court St, Syracuse	NY
Instrument Systems Corp	129–07 18th Ave, College Point 56	NY
Magnetics Research Co	255 Grove St, White Plains	NY
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Tenlo Research Corp	9424 Lyndale Ave S., Minneapolis 20	Minn

REGULATORS *–CURRENT*
1. A-C 2. D-C

ACME ELECTRIC CORP., 1–2, Adv Pg 511	**Water St, Cuba**	**NY**
Aerolab Development Co., 1–2	330 W. Holly St, Pasadena	Cal
American Electronics, Inc., Precision Power Div., 1–2	9705 Klingerman St, El Monte	Cal
American-Monarch Corp., 1–2	2801 37 Ave N.E., Minneapolis 18	Minn
AMP, INC., 1–2, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Anders Electric Products, Inc., 2	50 Brook Rd, Needham Heights 94	Mass
ATLAS CONTROLS INC., 1–2, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
Automation Industries, Inc., Magnetics Div., 2	771 Hamilton Ave, Menlo Park	Cal
Brach Mfg. Corp., 1–2	200 Central Ave, Newark	NJ
Consolidated Avionics Corp., 1–2	800 Shames Dr, Westbury	NY
D & R Ltd., 1–2	402 E. Gutierrez, Santa Barbara	Cal
Data Products Co., Inc., 2	7320 Westmore Rd, Rockville	Md
DAVEN CO., 1–2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 1–2	2530–32 N. Elston Ave, Chicago	Ill
DeHavilland Aircraft/Spec. Prods. Div., 1	Downsview, Ontario, Canada	
Deltron, Inc., 1–2	4th & Cambria, Philadelphia 33	Pa
Djeco, Div., Djordjevic Engrg Co., 1–2	1933 N. Damen, Chicago 47	Ill
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
ELECTRIC REGULATOR CORP., 1–2, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO SEAL CORP., 1–2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electronic Measurements Co., Inc., 2	Lewis St & Maple Ave, Eatontown	NJ
Electronic Research Associates, Inc., 1–2	67 Factory Pl, Cedar Grove	NJ
Electronic Transformer Co., 1	70 Washington St, Brooklyn 1	NY
Engineered Magnetics Div., Gulton, 1–2	13041 Cerise Ave, Hawthorne	Cal
Fluke Mfg. Co., Inc., John, 2	P.O. Box 7161, Seattle 33	Wash
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1–2, Adv. Pgs. 7–11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL MAGNETICS, INC., 1–2, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
Gerst & Co., Paul E., 1–2	4868 N. Clark, Chicago 40	Ill
Green Rectifier Co., 1–2	1–10 30th St, Fair Lawn	NJ
Gyra Electronics Corp., 2	P.O. Box 184, La Grange	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1–2	P.O. Box 978, Garland	Tex
Hoffman Co., H.L., 2	35 Old County Rd, Westbury	NY
HYDRO AIRE CO., 1–2, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Intercontinental Electronics, 2	1551 Franklin Ave, Mineola	NY
Intl Tel & Tel Corp., Industrial Products Div., 1–2	15191 Bledsoe St, San Fernando	Cal
Kato Engineering Co., 1–2	1415 First Ave, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., 1–2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kenyon Transformer Co., Inc., 1	1057 Summit Ave, Jersey City 7	NJ
KIDDE & CO., INC., WALTER, 1–2, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Kurz & Root Co., 1–2	Appleton	Wisc
Lawn Electronics Corp., 2	Woodward Rd, Englishtown	NJ
Leland Airborne Products, Div., AMF, 1–2	P.O. Box 128, Vandalia	Ohio
MAGNETIC AMPLIFIERS, INC., 1–2, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
MEASUREMENTS RESEARCH CO., 2, Adv Pg 562	**3801 Caster Ave, Philadelphia**	**Pa**
Meredith & Co., Ltd., C.C., 2	80 Thomas St, Streetsville, Ontario, Canada	
NJE Corp., 1–2	345 Carnegie Ave, Kenilworth	NJ
Networks Electronic Corp., 1–2	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 1–2	638 W. 17th St, Costa Mesa	Cal
Nichols, Ltd., R.H., 1	4544 Dufferin St, Downsview, Ontario, Canada	
Norbatrol Electronics Corp., 1–2	356 Collins Ave, Pittsburgh 6	Pa
NORTH HILLS ELECTRIC CO., INC., 1–2, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
OPAD ELECTRIC CO., 1–2, Adv Pg 492	**43–5 Walker St, New York 13**	**NY**
Otis Elevator Co., 1–2	35 Ryerson St, Brooklyn 5	NY
Philco Corp., Gov't & Ind'l Div., 1–2	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips Electronic Instruments, 2	750 S. Fulton Ave, Mt. Vernon	NY
Pintsch Bamag AG, 1–2	Postfach 11, Butzbach, Germany	
POWER DESIGNS, INC., 2, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Sources, Inc., 2	South Ave, Burlington	Mass
Power Supplies, Inc., 1–2	1007 Olive St, Highland	Ill
Radiation Research Corp., 2	1114 First Ave, New York 21	NY
Raytheon Co. Commercial Appar. & Systems Div., 1	100 River St, Waltham	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1–2, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Regulators, Inc., 1–2	455 W. Main St, Wyckoff	NJ
RIBET DESJARDINS, 1, Adv. Pgs. 331–334	**13 Rue Perier, Montrouge, France**	
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Shawmut Engineering Co., 1	195 Freeport St, Boston	Mass
SORENSEN & CO., INC., 2, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Spectrol Electronics Corp., 1–2	1704 S. Del Mar, San Gabriel	Cal
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	England
Thermovolt Instruments, Ltd., 1–2	70 Advance Rd, Toronto 18, Ontario, Canada	
TOROTEL, INC., 1–2, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 1–2, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transistor Devices, Inc., 2	626 Schuyler Ave, Kearny	NJ
Transonic, Inc., 1–2	808 16th St, Bakersfield	Cal
Universal Transistor Products Corp., 1–2	36 Sylvester St, Westbury	NY
VARO MFG. CO., INC., 1–2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., 2, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Vibration Research Labs., Inc., 1–2	58 Marbledale Rd, Tuckahoe	NY
Vickers, Inc., Electric Products Div., 1–2	1899 Locust St, St. Louis 3	Mo
Waber Electronics, Inc., 2	Hancock & Sommerset, Philadelphia 33	Pa
WALLSON ASSOCIATES, INC., 1–2, Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Weltronic Co., 1–2	19500 W. Eight Mile Rd, Southfield	Mich
Western Design Div., U.S. Industries, Inc., 1–2	Goleta	Cal
Wickes Engineering & Construction Co., 1–2	12th St & Ferry Ave, Camden 4	NJ

REGULATORS *–FREQUENCY*

ACME ELECTRIC CORP., Adv Pg 511	**Water St, Cuba**	**NY**
American Electronics, Inc., Precision Power Div	9705 Klingerman St, El Monte	Cal
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
D & R Ltd	402 E. Gutierrez, Santa Barbara	Cal
E.P. Electric Products Co., Ltd	9720 Waverly St, Montreal 12, Que, Canada	
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electronic Research Associates, Inc	67 Factory Pl, Cedar Grove	NJ
Fidelity Instrument Corp	1000 E. Boundary Ave, York	Pa
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7–11, 15	**1 River Rd, Schenectady 5**	**NY**
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Hermetic Seal Transformer Co., Div., Dresser Industries Co.	P.O. Box 978, Garland	Tex
Intl Tel & Tel Corp., Industrial Products Div	15191 Bledsoe St, San Fernando	Cal
Jordan Electronics Div	3025 W. Mission Rd, Alhambra	Cal
Kato Engineering Co	1415 First Ave, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Leach Corp	18435 Susana Rd, Compton	Cal
Leland Airborne Products, Div., AMF	P.O. Box 128, Vandalia	Ohio
Magnetic Circuit Elements, Inc	3722 Park Pl, Montrose	Cal
Networks Electronic Corp	14806 Oxnard St, Van Nuys	Cal
NORRMAN LABORATORIES, ERNST, Adv Pg 298	**Williams Bay**	**Wisc**
OPAD ELECTRIC CO., Adv Pg 492	**43–5 Walker St, New York 13**	**NY**
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Pitometer Log Corp	237 Lafayette St, New York 12	NY
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Regulators, Inc	455 W. Main St, Wyckoff	NJ
Sel-Rex Corp	75 River Rd, Nutley 10	NJ
SORENSEN & CO., INC., Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Transonic, Inc	808 16th St, Bakersfield	Cal
VARO MFG. CO., INC., Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Vibration Research Labs., Inc	58 Marbledale Rd, Tuckahoe	NY
Vickers, Inc., Electric Products Div	1899 Locust St, St. Louis 3	Mo
Western Design Div., U.S. Industries, Inc	Goleta	Cal

REGULATORS *–VOLTAGE*
1. A-C 2. D-C

ACME ELECTRIC CORP., 1–2, Adv Pg 511	**Water St, Cuba**	**NY**
Aerolab Development Co., 1–2	330 W. Holly St, Pasadena	Cal
American Electronics, Inc., Precision Power Div., 1–2	9705 Klingerman St, El Monte	Cal
American Missile Products Co., Inc., 2	15233 Grevillea Ave, Lawndale	Cal
American-Monarch Corp., 1–2	2801 37 Ave N.E., Minneapolis 18	Minn
American Rectifier Corp	95 Lafayette St, New York 13	NY
AMP, INC., 1–2, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Antronic Corp., 1	2712 W. Montrose Ave, Chicago 18	Ill
Arkay Engineering, Inc., 2	1630 Euclid St, Santa Monica	Cal
Armour Electronics, 1–2	4201 Redwood Ave, Los Angeles 66	Cal
Automation Industries, Inc., Magnetics Div., 2	771 Hamilton Ave, Menlo Park	Cal
Bogue Electric Mfg. Co	52 Iowa Ave, Paterson 3	NJ
Brach Mfg. Corp., 1–2	200 Central Ave, Newark	NJ
Central Transformer Co., 1	910 W. Jackson Blvd, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 1, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**

Clark Controller Co., 1-2	1146 E. 152 St, Cleveland 10	Ohio
G. L. Collins Corp., 1	2820 E. Hullet St, Long Beach 5	Cal
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 1, Adv Pg 75	**Princeton**	**NJ**
D & R Ltd., 1-2	402 E. Gutierrez, Santa Barbara	Cal
Data Products Co., Inc., 2	7320 Westmore Rd, Rockville	Md
DAVEN CO., 1-2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 1-2	2530-32 N. Elston Ave, Chicago	Ill
DeHavilland Aircraft/Spec. Prods. Div., 1	Downsview, Ontario, Canada	
Deltron, Inc., 1-2	4th & Cambria, Philadelphia 33	Pa
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
EIR Corp., 2	5177 Overland Ave, Culver City	Cal
E.P. Electric Products Co., Ltd., 1-2	9720 Waverly St, Montreal 12, Que, Canada	
The Electric Autolite Co., 2	Champlain St, Toledo 1	Ohio
ELECTRIC REGULATOR CORP., 1-2, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Precision Corp., 2	P.O. Box 669, Arkadelphia	Ark
ELECTRO SEAL CORP., 1-2,	**946 North Ave, Des Plaines**	**Ill**
Electronic Development Corp., 2	423 W. Broadway, Boston 27	Mass
Electronic Measurements Co., Inc., 1-2	Lewis St & Maple Ave, Eatontown	NJ
Electronic Transformer Co., 1	70 Washington St, Brooklyn 1	NY
Engineered Magnetics Div., Gulton, 1-2	13041 Cerise Ave, Hawthorne	Cal
Ferrotran Electronic Co., Inc., 2	693 Broadway, New York 12	NY
Fidelity Instrument Corp., 1-2	1000 E. Boundary Ave, York	Pa
Fluke Mfg. Co., Inc., John, 2	P.O. Box 7161, Seattle 33	Wash
Foto-Video Electronics, Inc., 1-2	36 Commerce Rd, Cedar Grove	NJ
FREED TRANSFORMER CO., INC., 1, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL MAGNETICS, INC., 1-2, Adv. Pgs. 113, 114	**135 Bloomfield Ave, Bloomfield**	**NJ**
GENERAL RADIO CO., 1, Adv Pg 285	**West Concord**	**Mass**
Geotronic Labs., Inc., 1	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 1-2	4868 N. Clark, Chicago 40	Ill
Green Rectifier Co., 1-2	1-10 30th St, Fair Lawn	NJ
HALLICRAFTERS CO., 1-2, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2	P.O. Box 978, Garland	Tex
Hesco Engineering Co., 2	322 E. Beach Ave, Inglewood 3	Cal
Hill & Co., E. Vernon, 1	P.O. Box 189, Lake Geneva	Wisc
Hoffman Co., H.L., 2	35 Old County Rd, Westbury	NY
HYDRO AIRE CO., 1-2, Adv Pg 311	**3000 Winona Ave, Burbank**	**Cal**
I-L-S Instrument Div., Meriam Instrument Co., 2	4525 W. 160th St, Cleveland 35	Ohio
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Industrial Transformer Corp., 1-2	Gouldsboro	Pa
Intercontinental Electronics, 2	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 1-2, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Intl Tel & Tel Corp., Industrial Products Div., 1-2	15191 Bledsoe St, San Fernando	Cal
Jordan Electronics Div., 1-2	3025 W. Mission Rd, Alhambra	Cal
Kato Engineering Co., 1-2	1415 First Ave, Mankato	Minn
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kelk Ltd., George, 1	5 Lesmill Rd, Don Mills, Ontario	
Lawn Electronics Corp., 2	Woodward Rd, Englishtown	NJ
Leach Corp., 1-2	18435 Susana Rd, Compton	Cal
Lee Electric & Mfg. Co., 2	2806 Clearwater St, Los Angeles 39	Cal
Leland Airborne Products, Div., AMF, 1-2	P.O. Box 128, Vandalia	Ohio
Lumen, Inc., 1-2	P.O. Box 905, Joliet	Ill
MAGNETIC AMPLIFIERS, INC., 1-2, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Circuit Elements, Inc., 1-2	3722 Park Pl, Montrose	Cal
Meredith & Co., Ltd., C.C., 2	80 Thomas St, Streetsville, Ontario, Canada	
NJE Corp., 1-2	345 Carnegie Ave, Kenilworth	NJ
Networks Electronic Corp., 1-2	14806 Oxnard St, Van Nuys	Cal
Newport Scientific Co., 1-2	638 W. 17th St, Costa Mesa	Cal
Nichols, Ltd., R.H., 1-2	4544 Dufferin St, Downsview, Ontario, Canada	
Norbatrol Electronics Corp., 1-2	356 Collins Ave, Pittsburgh 6	Pa
OPAD ELECTRIC CO., 1-2, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Performance Measurements Co., 2	15120 Third Ave, Detroit 3	Mich
Perkin-Engineering Corp., 1	345 Kansas St, El Segundo	Cal
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips Electronic Instruments, 2	750 S. Fulton Ave, Mt. Vernon	NY
Pintsch Bamag AG, 1-2	Postfach 11, Butzbach, Germany	
POWER DESIGNS, INC., 1-2, Adv. Pgs. 302, 303	**1700 Shames Drive, Westbury**	**NY**
Power Sources, Inc., 2	South Ave, Burlington	Mass
Power Supplies, Inc., 1-2	1007 Olive St, Highland	Ill
Pye Telecommunications, Ltd., 1	Newmarket Rd, Cambridge, England	
Radiation Research Corp., 2	1114 First Ave, New York 21	NY
Ramyr Mfg. Co., 1	1779 N. Main St, Los Angeles 31	Cal
Rank Cintel Ltd., 1	Worsley Bridge Rd, London S.E. 26, England	
Raytheon Co. Commercial Appar. & Systems Div., 1-2	100 River St, Waltham	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1-2, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Regulators, Inc., 1-2	455 W. Main St, Wyckoff	NJ
Sel-Rex Corp., 2	75 River Rd, Nutley 10	NJ
Servomex Controls Ltd., 1	Crowborough, Sussex, England	
Servo-Tek Products Co., Inc., 2	1086 Goffle Rd, Hawthorne	NJ
SOLA ELECTRIC CO., 1-2, Adv. Pgs. 233-236	**4633 W. 16th St, Chicago 50**	**Ill**
SORENSEN & CO., INC., 1-2, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Specialty Electronics Development Corp., 1	Eileen Way, Syosset	NY
Spectrol Electronics Corp., 1-2	1704 S. Del Mar, San Gabriel	Cal
Standard Electronics Div., Reeves Instrument Corp., 1-2	Lakewood Rd, Farmingdale	NJ
Superior Electric Co., 1	83 Laurel St, Bristol	Conn
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
TECHNICAL APPARATUS BUILDERS, 2, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Tel-Instrument Electronics Corp., 1	728 Garden St, Carlstadt	NJ
TOROTEL, INC., 1-2, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 1-2, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transistor Devices, Inc., 2	626 Schuyler Ave, Kearny	NJ
TRANSITRON ELECTRONIC CORP., 2, Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
Transonic, Inc., 1-2	808 16th St, Bakersfield	Cal
Trionics Corp., 1-2	P. O. Box 548, Madison 1	Wisc
Trygon Electronics, Inc., 2	111 Pleasant Ave, Roosevelt	NY
United Electrodynamics, Inc., 1-2	200 Allendale Rd, Pasadena	Cal
Universal Transistor Products Corp., 1-2	36 Sylvester St, Westbury	NY
Valor Instruments, Inc., 2	13214 Crenshaw Blvd, Gardena	Cal
Vapor Heating Corp., 2	80 E. Jackson Blvd, Chicago 4	Ill
VARO MFG. CO., INC., 1-2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
VECTROL ENGINEERING INC., 2, Adv Pg 546	**P.O. Box 1089, Stamford**	**Conn**
Vibration Research Labs., Inc., 1-2	58 Marbledale Rd, Tuckahoe	NY
Vickers, Inc., Electric Products Div., 1-2	1899 Locust St, St. Louis 3	Mo
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., Adv. Pgs. 260, 368	**5806 Hough Ave, Cleveland 3**	**Ohio**
Voi-Shan Electronics, 1-2	13259 Sherman Way, North Hollywood	Cal
Waber Electronics, Inc., 2	Hancock & Sommerset, Philadelphia 33	Pa
WALLSON ASSOCIATES, INC., 1-2, Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Weltronic Co., 1-2	19500 W. Eight Mile Rd, Southfield	Mich
Western Design Div., U.S. Industries, Inc., 1-2	Goleta	Cal
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wickes Engineering & Construction Co., 1-2	12th St & Ferry Ave, Camden 4	NJ

RELAY BASES See BASES
RELAY COILS See COILS —*WINDINGS ONLY*
RELAY CORES See CORES —*LAMINATED*
RELAY LINKS See LINKS —*MICROWAVE ANTENNA RELAY*
RELAY-RACK PANELS See PANELS
RELAY RACKS See RACKS —*MOUNTING & RELAY*
RELAYS —*CALIBRATED* See METERS —*RELAY*
RELAYS —*CAPACITANCE-OPERATED* See CONTROLS —*CAPACITANCE-OPERATED*

RELAYS
1. COAXIAL 2. CROSS-BAR-D'ARSONVAL See AMMETERS —*CONTACT-MAKING:* VOLTMETERS —*CONTACT-MAKING 3. DIFFERENTIAL 4. ELECTRONIC, RESISTANCE-ACTIVATED 5. ELECTROSTRICTIVE 6. FREQUENCY-SELECTIVE (AUDIO TONE-OPERATED) 7. HIGH-G 8. HIGH-SPEED 9. HIGH-VOLTAGE 10. IMPULSE 11. KEYING & BREAK-IN 12. LATCHING 13. MERCURY 14. OVERLOAD 15. OVERVOLTAGE & UNDERVOLTAGE 16. POLARIZED 17. POWER 18. ROTARY 19. SENSITIVE 20. SEQUENCE 21. STEPPING 22. SUBMINIATURE (MICROMINIATURE) 23. TELEPHONE 24. TEMPERATURE-COMPENSATED 25. THERMAL 26. TIME-DELAY 27. VACUUM-CONTACT 28. VIBRATING-REED TYPE 29. VIBRATION-SENSITIVE 30. STATIC* See *Also* CONTACTORS

AEG, 8-10-14-15-17-26	Hochhaus Sued, Frankfurt/Main, Germany	
Abrams Instrument Corp., 26	606 E. Shiawassee, Lansing	Mich
Acro Div., Robertshaw-Fulton Controls Co., 10-12-17-19	2040 E. Main St, Columbus 16	Ohio
Adams & Westlake Co., 8-13-14-15-17-26	**1025 N. Michigan St, Elkhart**	**Ind**
Advanced Electronics, Inc., 6-29	94 Silas Deane Hwy, Rocky Hill	Conn
AD-YU ELECTRONICS LAB., INC., 19, Adv Pg 543	**249-259 Terhune Ave, Passaic**	**NJ**
Aemco, Inc., 1-9-11-12-17-22-23-26	14 State St, Mankato	Minn
Aero Electronics Corp., 9-11-12-16-17-23-24	1745 W. 134 St, Gardena	Cal
Aerolite Electronics Corp., 19	2207 Summit Ave, Union City	NJ
Agastat Timing Instruments, Elastic Stop Nut Corp of America, 26	1027 Newark Ave, Elizabeth 3	NJ
Airesearch Mfg. Co of Ariz., 4	402 S. 36 St, Phoenix	Ariz
Allen-Bradley Co., 14-26	136 W. Greenfield Ave, Milwaukee 4	Wisc
ALLIED CONTROL CO., INC., 1-3-7-8-9-11-12-14-15-16-17-18-19-22-23-26, Adv Pg 48	**2 East End Ave, New York 21**	**NY**
Amerelay Corp., 19-22	130 County Courthouse Rd, New Hyde Park	NY
American Instrument Co., Inc., 19	8030 Georgia Ave, Silver Spring	Md
American -Monarch Corp., 1-3-8-10-12-14-15-16-17-18-19-20-26	2801 37 Ave N.E., Minneapolis 18	Minn
Amperite Co., Inc., 26	561 Broadway New York 12	NY
Arrow-Hart & Hegeman Electric Co., 14-17-19-25	103 Hawthorn St, Hartford 6	Conn
Artisan Electronics Corp., 3-8-9-10-11-12-14-15-16-17-18-20-21-24	171 Ridgedale Ave, Morristown	NJ
Assembly Products, Inc., 3-14-15-19-24	75 Wilson Mills Rd, Chesterland 6	Ohio
ATLAS CONTROLS INC., 15, Adv Pg 504	**9 Erie Dr, Natick**	**Mass**
AUTOMATIC ELECTRIC SALES CORP., 8-10-12-16-18-19-20-21-23-26-28, Adv Pgs. 82, 83	**Northlake**	**Ill**
AUTOMATIC METAL PRODUCTS CORP., 1, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Automatic Switch Co., 14-17-26	50-56 Hanover Rd, Florham Park	NJ
Automatic Timing & Controls, Inc., 26	King of Prussia	Pa
Automation Controls Corp., 7-8-9-14-15-17-23-26	1850 C 169th St, Gardena	Cal
Avionics Ltd., 1-9-12-23	Box 200, Niagara-on-the-Lake, Ontario	
Avnet Electronics Corp., 11-12-13-16-17-18-20-21-22-23-26	70 State St, Westbury	NY
Babcock Relays, Inc., 1-3-7-8-10-12-13-14-15-16-17-18-19-22-23	1640 Monrovia Ave, Costa Mesa	Cal
Barber Colman Co., 3-12-16	1300 Rock St, Rockford	Ill
Baso, Inc., 19-24-26	730 N. Jackson, Milwaukee 1	Wisc
Bell & Gossett Co., 28	8202 N. Austin Ave, Morton Grove	Ill
Berkeley Instrument Co., 4	P.O. Box 346, Berkeley Heights	NJ
Biddle Co., James G., 28	1316 Arch St, Philadelphia 7	Pa
Blonder-Tongue Laboratories, Inc., 25	Dept EBG, 9 Alling St, Newark 2	NJ
Branson Corp., 7-8-9-10-14-15-16-18-19-22-24-25-26	41 S. Jefferson Rd, Whippany	NJ
Bristol Co., 8-16-22-28-29	P.O. Box 1790EBG, Waterbury 20	Conn
Bristol Motor Div., Vocaline Co of America, 26	Old Saybrook	Conn
Cable Electric Products, 1-10-17-26	234 Daboll St, Providence	RI
Canadian Marconi Co., 27	2444 Trenton Ave, Montreal, Canada	
Cardinal Control Co., 8-15-17-19	34 Meadow St, New Britain	Conn
Clare & Co., C.P., 7-8-9-10-11-12-13-16-18-19-20-21-22-23-28	3101 Pratt Blvd, Chicago 45	Ill
Clark Controller Co., 2-4-12-14-17-26	1146 E. 152 St, Cleveland 10	Ohio
CLARK ELECTRONIC LABS., 5-15, Adv Pg 542	**P.O. Box 165, Palm Springs**	**Cal**
Collins Electronics, Inc., 28	Stevensville	Md
COMAR ELECTRIC CO., 3-8-10-12-17-19-22-23-26, Adv Pg 497	**3349 W. Addison, Chicago 18**	**Ill**
Control Corp., 23-28	718 Central Ave, Minneapolis 14	Minn
Control Dynamics Corp., 7-14-15-19-22	7420 Fulton Ave, North Hollywood	Cal
Cook Electric Co., 23-25-26	2700 Southport Ave, Chicago 14	Ill
Corbett Science Labs., F.W., 20-21	3117 Venice Blvd, Los Angeles 19	Cal
COUCH ORDNANCE, INC., RELAY DIV., 7-18-19-22, Adv Pg 169	**3 Arlington St, North Quincy**	**Mass**
Cramer Controls Corp., 26	P.O. Box 13, Centerbrook	Conn

Crane Electronics Co., 26	4345 Hollister Ave, Santa Barbara	Cal
CURTISS-WRIGHT, ELECTRONICS DIV., 7-8-14-19-22-24-25-26-30, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Curtiss-Wright Corp., IMI Branch, 30	P.O. Box 8324, Albuquerque	NM
Cutler-Hammer, Inc., 4-9-12-14-17-19-20-25-26	411 N. 12 St, Milwaukee 1	Wisc
Davis Electric Co., 12-19-23	Cape Girardeau	Mo
Deltron, Inc., 4	4th & Cambria, Philadelphia 33	Pa
Destron Co., 26	25914 Chalmette Av, Rolling Hills, Est	Cal
Dialtron Corp., 4-22-25-26	203 Harrison Pl, Brooklyn 37	NY
Dielectric Products Engrg Co., Inc., 1	Raymond	Me
Dixon Electronics Co., 6	13444 W. McNichols Rd, Detroit	Mich
Dmeter Mfg. Co., Inc., 25	68 N. Broadway, Yonkers	NY
Don-Lan Electronics, Inc., 1	1101 Olympic, Santa Monica	Cal
Dow-Key Co., Inc., 1-4	Hwy 59 S.E., Thief River Falls	Minn
Durakool, Inc., 13-26	1010 N. Main St, Elkhart	Ind
EIR Corp., 19	5177 Overland Ave, Culver City	Cal
E-T-A Products Co of America, 14-25-26	6284 N. Cicero Ave, Chicago 46	Ill
Eagle Signal Co., A Div of Gamewell Co., 12-26	202 20th St, Moline	Ill
Ebert Electronics Corp., 4-12-13-14-17-19-26	212-26 Jamaica Ave, Queens Village 28	NY
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 16-18-19-24-25-26	81 Lakeside Ave, West Orange	NJ
EITEL-McCULLOUGH, INC., 27, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRIC REGULATOR CORP., 3-14-15-16-17-18-19-20-24-28-29, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electric Switch Corp., 13	2320 S. Tibbs Ave, Indianapolis 41	Ind
Electro-Mechanical Spec Co., Inc., 3-4-7-8-9-10-11-14-17-18-19-20-21-22-24	528 Lambert Rd, Whittier	Cal
Electro-Switch & Controls, Inc., 2-3-9-10-12-14-15-17-18-19-21-22-23-24-26	5755 Camille Ave, Culver City	Cal
ELECTRO TEC CORP., 7-18, Adv Pg 429	**10 Romanelli Ave, S. Hackensack**	**NJ**
Electron-Radar Products, 9-13-14-15-17-25-26	4806 W. Chicago Ave, Chicago 51	Ill
Electronic Components Div., Telecomputing Corp., 19-22	14706 Arminta St, Van Nuys	Cal
Electronic Computer Co., Inc., 8-28	618 Maple St, Conshohocken	Pa
Electronic Control Corp., 4	1573 E. Forest St, Detroit 7	Mich
Electronic Research Associates, Inc., 15	67 Factory Pl, Cedar Grove	NJ
ELECTRONIC SPECIALTY CO., 1-6-15-18-26, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Elesta Ltd., Electronic Control Appar., 4-17-25	Bad Ragaz, Switzerland	
Elgin National Watch Co., Electronics Div., Advance Relays, 1-2-7-9-11-12-14-17-19-22-23-25-26	2435 N. Naomi St, Burbank	Cal
El-Tronics Inc., 23	20 S. 15th St, Philadelphia 2	Pa
Engineering Associates, 1-16-26	434 Patterson Rd, Dayton 19	Ohio
Exact Engineering & Mfg., Inc., 3-15	Box 447, Oceanside	Cal
Fae Instrument Corp., 18-22	42-61 Hunter St, Long Island City 1	NY
Farmer Electric Products Co., Inc., 4	2300 Washington, Newton Lower Falls	Mass
FILTORS, INC., 7-12-14-15-16-17-18-19-22-25-26, Adv Pg 164	**30 Sagamore Hill Dr, Pt. Washington**	**NY**
Five Star Co., 17-19	10 W. Main St, Plantsville	Conn
Foxboro Co., The, 4	Foxboro	Mass
G-Y CONTROLS, INC., 15-24-25-26, Adv Pg 301	**Okner Pkwy, Livingston**	**NJ**
GATES RADIO CO., 1-11-12-13-14-15-21-25-26, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Automatic Corp., 3-8-10-11-12-15-19-23-24-26	111 33rd St, Union City	NJ
GENERAL COMMUNICATION CO., 1, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
General Controls Co., 17-26	801 Allen Ave, Glendale 1	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 3-7-8-9-12-14-15-16-17-19-20-22-24-25-26, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Globe Electrical Mfg. Co., 9-11-12-16-17-23-24	1729 W. 134 St, Gardena	Cal
Glove Electrical Mfg. Co., 3-4-9-12-15-17-18-23-24	1727 W. 134 St, Gardena	Cal
Goat Co., Inc., Fred, 8-11-19-23-26	308 Dean St, Brooklyn 17	NY
Gordos Corp., 13	250 Glenwood Ave, Bloomfield	NJ
Guardian Electric Mfg. Co., 7-8-9-10-11-12-14-15-17-18-19-20-21-22-23-26-29	1621 W. Walnut St, Chicago 12	Ill
Gyra Electronics Corp., 4	P.O. Box 184, La Grange	Ill
Hagen Mfg. Co., 26	104 Walnut St, Baraboo	Wisc
Hamlin, Inc., 25	Lake & Grove Sts, Lake Mills	Wisc
HARREL, INC., 4, Adv Pg 395	**1788 First Ave, New York**	**NY**
HART MFG. CO., 10-16-17-18-19-22, Adv Pg 362	**242 Bartholomew Ave, Hartford 1**	**Conn**
Hathaway Instruments, Inc., 15	5800 E. Jewell Ave, Denver 22	Colo
Haydon Co., A.W., The, 4-6-14-15-18-20-21-26	238 N. Elm St, Waterbury	Conn
Heinemann Electric Co., 14-26	150 Plum St, Trenton 2	NJ
HERMETIC SEAL CORP., 13-14-15-16-24-25-26, Adv Pg 475	**29-37 S. Sixth St, Newark 7**	**NJ**
HILLBURN ELECTRONIC PRODUCTS CO., 8-10-11-12-14-16-17-19-21-23, Adv Pg 564	**55 Nassau Ave, Brooklyn 22**	**NY**
Hi-Spec Electronics Corp., 7-8-19	7328 Ethel Ave, North Hollywood	Cal
Hufco Industries, 17-22-23	2815 W. Olive Ave, Burbank	Cal
Industrial Products-Danbury Knudsen Div., Amphenol-Borg Electronics Corp., 1-21-22	33 E. Franklin St, Danbury	Conn
Industrial Timer Corp., 24-25-26	1407 McCarter Hwy, Newark 4	NJ
Iron Fireman Mfg. Co., Electronics Div., 8-12-19-22	2800 S.E. Ninth Ave, Portland 2	Ore
J-B-T INSTRUMENTS, INC., 6-28, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
Jack & Heintz, Inc., 15	Cleveland 1	Ohio
Jaidinger Mfg. Co., Inc., 9-10-12-17-19-22-26	1916 W. Hubbard St, Chicago 22	Ill
James Electronics Inc., 1-3-7-8-16-19	4050 N. Rockwell St, Chicago 18	Ill
JENNINGS RADIO MFG. CORP., 1-9-14-17-27, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
Johnson Co., E.F., 9	Waseca	Minn
Jordan Electronics Div., 15-20-26	3025 W. Mission Rd, Alhambra	Cal
Kahl Scientific Instrument Corp., 13	332 S. Highland, El Cajon	Cal
Kellogg Switchboard & Supply Co., 10-18	6650 S. Cicero Ave, Chicago 39	Ill
Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Klann Organ Supply Co., 2-11-12	P.O. Box 2398, Waynesboro	Va
Kuhnke Electronics, H., 12-17-18-20-21-26	Malente/Holstein, Germany	
KURMAN ELECTRIC CO., SUB OF CRESCENT PETROLEUM CORP., 3-4-7-8-9-10-11-14-15-16-17-19-22-23-24-29, Adv Pg 457	**191-193 Newel St, Brooklyn 22**	**NY**
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
Laboratory for Electronics, Inc., 21	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 10-20-21	7444 W. Wilson Ave, Chicago 31	Ill
Larson Instrument Co., 3-4-9-10-12-15-16-19-23	24 Orchard St, Tarrytown	NY
Leach Corp., 3-7-10-11-12-14-15-16-17-18-19-20-22-26-30	18435 Susana Rd, Compton	Cal
Ledex, Inc., 18-21	123 Webster St, Dayton 2	Ohio
Lee Electric & Mfg. Co., 15	2806 Clearwater St, Los Angeles 39	Cal
Leetronics, Inc., 9	30 Main St, Brooklyn	NY
Life Instrument Co., Inc., 14-15-17-19-24-26	100 Brook St, Franklin	Mass
Line Electric Co., 12-17-19-23-25	229 River St, Orange	NJ
Liquidometer Corp., 19	41-03 36th St, Long Island City 1	NY
Livingston Electronic Corp., 25-26	Livingston 3	NJ
Lumen, Inc., 4-26	P.O. Box 905, Joliet	Ill
Lumenite Electric Co., 4-13-19-20-21-26	407 S. Dearborn St, Chicago 5	Ill
Machinery Electrification, Inc., 26	56 Hudson St, Northboro	Mass
Mack Electric Devices, Inc., 13-17-27	49 Glenside Ave, Wyncote	Pa
Magnecraft Electric Co., 12-17-19-22-23-26	3352 W. Grand Ave, Chicago 51	Ill
MAGNETIC AMPLIFIERS, INC., 14-15-17, Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Magnetic Devices, Inc., 1-12-16-18-19	712 East St, Frederick	Md
Mallory & Co., Inc., P.R., 4-14-22	34 S. Gray St, Indianapolis 6	Ind
Mara Electronics, Inc., 3-9-11-12-17-20-21-23	44 Court St, Brooklyn 1	NY
Marsland Engineering, Ltd., 7-12-18-19-21-22	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp 3-4-6-7-8-14-15-24-26	204 Babylon Trnpk, Roosevelt	NY
Master Specialties Co., 20-26	956 E. 108th St, Los Angeles 59	Cal
Mercoid Corp., 13	4201 Belmont Ave, Chicago 41	Ill
Mercury Contacts, Inc., 13	1950 Neva Dr, Dayton 14	Ohio
MICRODOT, INC., 1, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Miratel Inc., 4-6-11-19-26	1080 Dionne St, St. Paul	Minn
Molded Insulation Co., 19-22	335 E. Price St, Phila 44	Pa
Mullenbach Div., Electric Machinery Mfg. Co., 5	2100 E. 27 St, Los Angeles 58	Cal
Natel Engineering Co., Inc., 26	15922 Strathern St, Van Nuys	Cal
Naybor Laboratories, Inc., E.W., 7-8-14-17-22-26	26 Manorhaven Blvd, Port Washington	NY
Nelson Instrument Co., 26	607 Howard St, Evanston	Ill
Nemeth, Inc., 10-18-21-26	2223 S. Carmalina Ave, Los Angeles 64	Cal
Networks Electronic Corp., 14-25-26	14806 Oxnard St, Van Nuys	Cal
Nippon Electric Co., Ltd., 2-16-21-23-25-26-27	Shiba-Mita, Tokyo, Japan	
Norbatrol Electronics Corp., 4	356 Collins Ave, Pittsburgh 6	Pa
North Electric Co., 2-7-16-18-19-20-21-23-26	553 S. Market St, Galion	Ohio
Ohmite Mfg. Co., 8-12-14-15-17-19-23-26	3601 Howard St, Skokie	Ill
Ortron Electronics, 25-26	29 Lincoln Ave, Orange	NJ
Osborne Electric Co., Ltd., 1-2-3-4-6-7-8-9-10-12-14-15-16-17-19-21-23-26	95 Wesley St, Toronto 18, Ontario, Canada	
Pacific Relays, Inc., 8-15-17-19-22	13915 Saticoy Ave, Van Nuys	Cal
Pacific Scientific Co	P.O. Box 22019, Los Angeles 22	Cal
Pendar, Inc., 4-6-8-10-15-20-25-26	14744 Arminta St, Van Nuys	Cal
Penn Keystone Corp., 7-8-10-12-16-19-27	P.O. Box 350, Hawkins St, Derby	Conn
Penta Laboratories, Inc., 27	312 N. Nopal St, Santa Barbara	Cal
PESCHEL ELECTRONICS, INC., 9, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Phaostron Instrument & Electronic Co., 19	151 Pasadena Ave, South Pasadena	Cal
Philadelphia Scientific Glass Co., 13-17-19	Quakertown	Pa
Philco Corp., Gov't & Ind'l Div., 1-2-3-4-22-26	4700 Wissahickon Ave, Philadelphia 44	Pa
Phillips Control Corp., 7-8-9-12-14-17-19-22-23-26	59 W. Washington St, Joliet	Ill
Pioneer Electronics Corp., 27	2235 S. Carmelina, W. Los Angeles 65	Cal
POLLAK CORP., JOSEPH, 1-9-14-17-19-23-25-26, Adv Pg 536	**75-99 Freeport St, Dorchester 22**	**Mass**
POTTER & BRUMFIELD DIV OF AMERICAN MACHINE & FOUNDRY CO., 7-8-10-11-12-14-16-17-19-21-22-23, Adv Pg 433	**Princeton**	**Ind**
PRICE ELECTRIC CORP., 1-7-9-12-16-17-18-19-21-22-23-26, Adv Pg 555	**Frederick**	**Md**
Pyramid Instrument Corp., 12-25	630 Merrick Rd, Lynbrook	NY
R.B.M. Div., Essex Wire Corp., 2-4-9-17-26	Logansport	Ind
Radar Relay, Inc., 19	2322 Michigan Ave, Santa Monica	Cal
Raytheon Co. Commercial Appar. & Systems Div., 15	100 River St, Waltham	Mass
Relays, Inc., 8-11-14-19-22-23-29	162 W. 83rd St, New York 24	NY
Research Industrial Labs of Electronics, 19	Roslyn	Pa
Resitron Laboratories, Inc., 7-8-9-27	2908 Nebraska Ave, Santa Monica	Cal
Rhodes, Inc., M.H., 26	30 Bartholomew Ave, Hartford 6	Conn
RIXON ELECTRONICS, INC., 30, Adv Pg 544	**2414 Reedie Dr, Silver Spring**	**Md**
Scherma Mfg. Co., Inc., F. A., 1-19-23	424 Broome St, New York 13	NY
SCIENTIFIC ELECTRONIC LABS., INC., 13-27, Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sealelectric Switch & Relay Co., 2-11-17-18-21-23	6023 N. Keystone, Chicago	Ill
Servo-Tek Products Co., Inc., 4-19	1086 Goffle Rd, Hawthorne	NJ
Shawmut Engineering Co., 4-19-26	195 Freeport St, Boston	Mass
SIGMA INSTRUMENTS, INC., 3-7-8-10-11-12-16-17-19-21-22-24, Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Simpson Electric Co., Div., American Gage & Machine Co., 19	5218 W. Kinzie St, Chicago 44	Ill
Sorensen Industrial Electronic Co., 25-26	Rt 10, Dover	NJ
Spec-Tronics, 26	13942 Saticoy Ave, Van Nuys	Cal
Sperti-Faraday, 27	722 Grand St, Hoboken	NJ
Standard Electromagnetics Div., Cornell Dubilier Electric Corp., 1-10-11-12-17-20-21-23	Walkersville	Md
Standard Telephones & Cables, Ltd., 7-8-10-16-21-22-23-25-26	63 Aldwych, London W. C. 2, England	
Stelma, Inc., 4	200 Henry St, Stamford	Conn
STEVENS-ARNOLD, INC., 3-6-8-11-16-28, Adv Pg 466	**7 Elkins St, South Boston 27**	**Mass**
Stromberg-Carlson Div., Gen Dynamics Corp., 9-23	100 Carlson Rd, Rochester 3	NY
Struthers-Dunn, Inc., 1-3-7-8-9-10-11-12-13-14-15-17-18-19-20-21-22-23-24-25-26-27	Lamb's Rd, Pitman	NJ
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 1	23555 Euclid Ave, Cleveland 17	Ohio
Telecomputing Corp., 22	915 N. Citrus Ave, Hollywood	Cal
Terado Co., 19	1059 Raymond Ave, St. Paul 14	Minn
Thermocal, Div., Jamieson Labs., Inc., 7-8-10-12-15-16-17-18-19-22-24-25	7900 Haskell Ave, Van Nuys	Cal
TORWICO ELECTRONICS, INC., 3-4-6-12-14-15-16-19-26, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transco Products Inc., 1	12210 Nebraska Ave, L A 25	Cal
Transistor Devices, Inc., 4-25-26	626 Schuyler Ave, Kearny	NJ
Trepac Corp of America, 3-4-6-7-8-10-11-16-19-23-26	30 W. Hamilton Ave, Englewood	NJ
TUNG-SOL ELECTRIC, INC., 25-26, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
Ulanet Co., George, 25-26	413 Market St, Newark 5	NJ
Union Switch & Signal Div., Westinghouse Air Brake Co., 7-18-22	Pittsburgh 18	Pa
U.S. Relay-Electronics, 2-3-7-9-12-14-15-16-17-18-19-22-23-24-25-26	717 N. Coney Ave, Azusa	Cal
UNIVERSAL RELAY CORP., 1-3-6-7-8-9-10-11-12-13-14-16-17-18-19-20-21-22-23-25-26-27-28, Adv Pg 565	**42E White St, New York 13**	**NY**
Vapor Heating Corp., 9-17-25	80 E. Jackson Blvd, Chicago 4	Ill

VARO MFG. CO., INC., 6-14-15-19, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Voi-Shan Electronics, 26	13259 Sherman Way, North Hollywood	Cal
Warco Industries, Inc., 17-20-21	6625 Delaware, St. Louis 30	Mo
WARD LEONARD ELECTRIC CO., 11-12-14-15-17-19, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Webster Electric Co., 11-16-19-20-21-23-26	1900 Clark St, Racine	Wisc
Wheelock Signals, Inc., 1-7-8-9-11-12-16-17-19-22	273 Branchport Ave, Long Branch	NJ
Wilson & Co., G.C., 26	1915 Eighth Ave, Huntington	W. Va
Winatic Corp., 17	P.O. Box 240, Endicott	NY
Wuerth Tube Saver Corp., 25	9125 Livernois Ave, Detroit 4	Mich
Wurlitzer Co., 6-28	North Tonawanda	NY
Zenith Electric Co., 19-20-26	152 W. Walton St, Chicago 10	Ill

RELAYS *–MAGNETIC AMPLIFIER See* **AMPLIFIERS** *–MAGNETIC*

RELAYS *–MICROWAVE (COMMUNICATION, RADIO & TV)*

Adler Electronics, Inc	1 Lefevre Ln, New Rochelle	NY
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Benco Television Associates, Ltd	27 Taber Rd, Rexdale, Ontario, Canada	
Collins Radio Co	855 35 St N.E., Cedar Rapids	Iowa
COMAR ELECTRIC CO., Adv Pg 497	**3349 W. Addison, Chicago 18**	**Ill**
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Cook Electric Co	2700 Southport Ave, Chicago 14	Ill
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Don-Lan Electronics, Inc	1101 Olympic, Santa Monica	Cal
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KURMAN ELECTRIC CO., SUB OF CRESCENT PETROLEUM CORP., Adv Pg 457	**191-193 Newel St, Brooklyn 22**	**NY**
Laboratory for Electronics, Inc	1079 Commonwealth, Boston 15	Mass
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Phillips Control Corp	59 W. Washington St, Joliet	Ill
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Pye Telecommunications, Ltd	Newmarket Rd, Cambridge, England	
Sarkes Tarzian, Broadcast Equipment Div	E. Hillside Dr, Bloomington	Ind
Scherma Mfg. Co., Inc., F A	424 Broome St, New York 13	NY
Sealelectric Switch & Relay Co	6023 N. Keystone, Chicago	Ill
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	England
Transco Products Inc	12210 Nebraska Ave, L A 25	Cal
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

RELAYS *–PHOTOELECTRIC See* **CONTROLS** *–PHOTOELECTRIC*
RELAYS *–SOUND-ACTUATED See* **CONTROLS** *–SOUND-ACTUATED*
RELAY TESTERS *See* **TESTERS** *–RELAY*

RELIEFS *–STRAIN*

BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
HEYMAN MFG. CO., Adv Pg 518	**Kenilworth 2**	**NJ**
Holub Industries, Inc	468 Elm St, Sycamore	Ill
WALKER CO., GEORGE, Adv Pg 500	**118 Amsterdam Ave, Passaic**	**NJ**

RELUCTANCE COMPARATORS *See* **COMPARATORS** *–RELUCTANCE, IRON-CORE*
REMOTE CONTROL SYSTEMS *See* **CONTROLS** *–REMOTE*
REMOTE POSITIONERS *See* **ACTUATORS** *–SERVO:* **CONTROLS** *–REMOTE:* **CONTROLS** *–SERVO:* **INDICATORS** *–POSITIONING*

REPEATERS *–DATA*

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Dennison Mfg. Co	300 Howard St, Framingham	Mass
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Klann Organ Supply Co	P.O. Box 2398, Waynesboro	Va
Kollmorgen Optical Co	347 King St, Northampton	Mass
Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla
NORTHERN RADIO., INC., Adv. Pgs. 187-189	**143-145 W. 22 St, New York**	**NY**
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
Soroban Engineering, Inc	P.O. Box 1717, Melbourne	Fla
Stelma, Inc	200 Henry St, Stamford	Conn
Teletype Corp	5555 W. Touhy Ave, Skokie	Ill
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

REPEATERS *–MICROWAVE See* **RELAYS** *–MICROWAVE*

REPEATERS *–SERVO*

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Applied Dynamics	P.O. Box 2086, Ann Arbor	Mich
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Bendix Aviation Corp., Montrose Div	South Montrose	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Canoga Div., Underwood Corp	15330 Oxnard St, Van Nuys	Cal
Control Data Corp., Cedar Engr. Div	501 Park Ave, Minneapolis 15	Minn
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Daystrom-Transicoil Corp	Worcester, Montgomery County	Pa
EPR Special Products Corp	675 Barbey St, Brooklyn	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
Industrial Control Co	Central at Pinelawn, Farmingdale	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kollmorgen Optical Corp	347 King St, Northampton	Mass
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Orbit Instrument Corp	131 Eileen Way, Syosset	NY
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
Tapco Group, Thompson-Ramo-Wooldridge, Inc	23555 Euclid Ave, Cleveland 17	Ohio
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal

REPEATERS *–TELEPHONE-LINE*

Communication Equipment & Engineering	5648 W. Race Ave, Chicago	Ill
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
Kellogg Switchboard & Supply Co	6650 S. Cicero Ave, Chicago 39	Ill
Mullard Equipment Ltd	Torrington Pl, London W.C. 1, England	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Secode Corp	555 Minnesota St, San Francisco 7	Cal
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY

REPRODUCERS *–MAGNETIC TAPE See* **PLAYERS** *–MAGNETIC TAPE*
RESERVE BATTERIES *See* **BATTERIES**

RESINS *–ENCAPSULATING & POTTING*

Acme Wire Co	New Haven 14	Conn
Biwax Corp	3445 Howard St, Skokie	Ill
Electronic Components Div., Telecomputing Corp	14706 Arminta St, Van Nuys	Cal
Emerson & Cuming, Inc	869 Washington St, Canton	Mass
Furane Plastics, Inc	4516 Brazil St, Los Angeles 39	Cal
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
Hastings Plastics, Inc	1551 12th St, Santa Monica	Cal
Isochem Resins Co	221 Oak St, Providence 9	RI
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Permacel Tape Corp	U.S. Hwy 1, New Brunswick	NJ
Plastronic Engineering Co	721 Boston Post Rd, Marlborough	Mass
Polymer Industries, Inc	Springdale	Conn
Reichhold Chemicals, Inc	525 N. Broadway, White Plains	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Schenectady Varnish Co., Inc	Congress St & 10th Ave, Schenectady 3	NY
Spectra-Strip Wire & Cable Corp	P. O. Box 415, Garden Grove	Cal
Technicraft Co	1156 Commonwealth Ave, Boston 34	Mass
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
Trionics Corp	P. O. Box 548, Madison 1	Wisc
Zophar Mills, Inc	115 26th St, Brooklyn 32	NY

RESINS *–PLASTICS See* **PLASTICS** *–GRANULAR, LIQUID & POWDER*
RESISTANCE ALLOYS *See* **ALLOYS** *–SPECIAL PURPOSE*
RESISTANCE BRIDGES *See* **BRIDGES**
RESISTANCE COMPARATORS *See* **COMPARATORS**
RESISTANCE STANDARDS *See* **STANDARDS**
RESISTANCE THERMOMETERS *See* **THERMOMETERS** *–RESISTANCE*
RESISTANCE-TYPE LINE CORDS *See* **CORDS** *–LINE*
RESISTANCE PAINTS *See* **PAINTS** *–PRINTED-CIRCUIT*
RESISTANCE WIRE *See* **WIRE** *–RESISTANCE*
RESISTOR BOARDS *See* **BOARDS** *–CAPACITOR OR RESISTOR*
RESISTOR BOXES *See* **BOXES** *–DECADE & EIA VALUES*
RESISTOR FORMS *See* **FORMS** *–COIL & RESISTOR*
RESISTOR MANUFACTURING MACHINES *See* **MACHINES** *–RESISTOR MANUFACTURING*

RESISTORS *–COAXIAL TERMINATIONS, MICROWAVE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Filmohm Corp	48 W. 25 St, New York 10	NY
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
MEPCO, INC., Adv Pg 202	**35-37 Abbett Ave, Morristown**	**NJ**
Metavac, Inc	45-68 162 St, Flushing 58	NY
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
MICROWAVE COMPONENTS, INC., Adv Pg 517	**Doylestown**	**Pa**
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Design Corp	Pickard Dr, Syracuse 11	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Tech-Ohm Resistor Corp	36-11 33rd St, Long Island City 6	NY
Telewave Labs., Inc	43-20 34 St, Long Island City	NY
United Shoe Machinery Corp., Antenna &		

Microwave Sec	Balch St, Beverly	Mass
Welwyn International, Inc.	3355 Edgecliff Terr, Cleveland 11	Ohio

RESISTORS —*COMPOSITION, FIXED (CARBON)*

1. HIGH-FREQUENCY 2. HIGH-MEGOHM 3. HIGH-VOLTAGE 4. HIGH-WATTAGE 5. LOW-WATTAGE 6. RESISTOR-SUPPRESSOR 7. SUBMINIATURE 8. TEMPERATURE-SENSITIVE See Also THERMISTORS

Allen-Bradley Co., 2-5-7	136 W. Greenfield Ave, Milwaukee 4	Wisc
Arnhold Ceramics, Inc., 1-2-3-4-5-7	1 East 57 St, New York 22	NY
CARBORUNDUM CO., GLOBAR PLANT, 1-3-6-8, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
CONTINENTAL-WIRT ELECTRONICS CORP., 6, Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 3, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
ERIE RESISTOR CORP., 6-7, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
FENWAL ELECTRONICS, INC., 8, Adv Pg 326	**51 Mellen St, Framingham**	**Mass**
FERROXCUBE CORP OF AMERICA, 8, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
General Electric Co., Magnetic Materials Section, 6-8	7806 N. Neff Blvd, Edmore	Mich
International Resistance Co., 1-2-3-5	401 N. Broad St, Philadelphia	Pa
Key Resistor Corp., 1-2	321 W. Redondo Beach, Gardena	Cal
KEYSTONE CARBON CO., RESISTOR DIV., 8 Adv Pg 107	**St. Marys**	**Pa**
LEWIS ENGINEERING CO., 8, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Mallory & Co., Inc., P.R., 1-3-7	34 S. Gray St, Indianapolis 6	Ind
Ohio Carbon Co., 5-6	12508 Berea Rd, Cleveland 11	Ohio
Ohmite Mfg. Co., 5-7	3601 Howard St, Skokie	Ill
Penn Resistor Corp., 6	526 N. Broad St, Lansdale	Pa
RESISTANCE PRODUCTS CO., 1-2-3-7, Adv Pg 197	**914 S. 13th St, Harrisburg**	**Pa**
Speer Resistor Div., Speer Carbon Co	Bradford	Pa
Sprague Electric Co., 2	125 Marshall St, North Adams	Mass
Stackpole Carbon Co., 2-5	201 Stackpole St, St. Marys	Pa
Symphony Electronics Corp., 1-2-3-4-5-6-7-8	1611 Cordova St, Los Angeles 7	Cal
Tech-Ohm Resistor Corp., 1-2-3-4-5	36-11 33rd St, Long Island City 6	NY
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 1-2-3-4-5-7-8, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
United Mineral & Chemical Corp., 1-2-3-4-5-7	16 Hudson St, New York 13	NY
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., 2, Adv. Pgs. 260, 368	**5806 Hough Ave, Cleveland 3**	**Ohio**
Victory Engineering Corp., 8	101 Springfield Rd, Union	NJ
White Dental Mfg. Co., S.S., 2-3	10 E. 40 St, New York 16	NY
Workman TV Products, Inc., 8	P.O. Box 5397, Sarasota	Fla

RESISTORS —*COMPOSITION, VARIABLE (CARBON)* See POTENTIOMETERS: RHEOSTATS

RESISTORS —*ENCAPSULATED*

Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
Allies' Products Corp.	Box 188, Kendall Branch, Miami 56	Fla
Campbell Industries, Inc	Dover	NH
Dmeter Mfg. Co., Inc.	68 N. Broadway, Yonkers	NY
EIR Corp.	5177 Overland Ave, Culver City	Cal
International Resistance Co	401 N. Broad St, Philadelphia	Pa
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
Key Resistor Corp.	321 W. Redondo Beach, Gardena	Cal
Ohmite Mfg. Co	3601 Howard St, Skokie	Ill
Pacific Resistor & Cable Co.	2186 Colorado Ave, Santa Monica	Cal
Pyrofilm Resistor Co., Inc	U.S. Hwy 46, Parisippany	NJ
RESISTANCE PRODUCTS CO., Adv Pg 197	**914 S. 13th St, Harrisburg**	**Pa**
RHO Engineering Co.	2242 Sepulveda Blvd, Los Angeles 64	Cal
Sprague Electric Co	125 Marshall St, North Adams	Mass
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Welwyn International, Inc.	3355 Edgecliff Terr, Cleveland 11	Ohio

RESISTORS —*FILM-TYPE*

1. CARBON-FILM 2. DEPOSITED-CARBON 3. METALLIC OXIDE 4. METALLIZED FILM 5. PRINTED (ON CERAMIC OR PLASTIC STRIP) 6. TAPE

Aerovox Corp., 1-2-5	740 Belleville Ave, New Bedford	Mass
Allen-Bradley Co., 4	136 W. Greenfield Ave, Milwaukee 4	Wisc
Allies' Products Corp., 2	Box 188, Kendall Branch, Miami 56	Fla
Ardente Acoustic Laboratories, Ltd., 2	8/12 Minerva Rd, London N.W. 10, England	
Arnhold Ceramics, Inc., 1-2	1 East 57 St, New York 22	NY
CTS CORP., 1-4, Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
Campbell Industries, Inc., 1-2	Dover	NH
Ceramco Inc., Chemists, 4	173 Ridge St, Newark 4	NJ
CLAROSTAT MFG. CO., INC., 1-2, Adv Pg 129	**Dover**	**NH**
Constanta Co of Canada Ltd., 1-2	280 Regina Ave, Montreal 19, Quebec, Canada	
CONTINENTAL-WIRT ELECTRONICS CORP., 1-2-3-4, Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 3-5, Adv Pg 485	**550 High St, Bradford**	**Pa**
DALE PRODUCTS, INC., 2-4, Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
DAVEN CO., 4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dwyer Engineering Co., Inc., 5-6	Airport Rd, Nashua	NH
ELECTRA MFG. CO., ELECTRONICS DIV., 1-2-3-4-5, Adv Pg 60	**4051 Broadway, Kansas City**	**Mo**
Electronic Applications, Inc., 2	194 Richmond Hill Ave, Stamford	Conn
ERIE RESISTOR CORP., 1-2, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Filmohm Corp., 4-5-6	48 W. 25 St, New York 10	NY
G B COMPONENTS, INC., 4, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
G-C ELECTRONICS CO., 2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Halex, Inc., 4	310 E. Imperial Hwy, El Segundo	Cal
International Resistance Co., 1-2-4	401 N. Broad St, Philadelphia	Pa
Key Resistor Corp., 1-2-4	321 W. Redondo Beach, Gardena	Cal
Kidco Inc., 1-2-4	Box 178-K, Medford	NJ
Mallory & Co., Inc., P.R., 1	34 S. Gray St, Indianapolis 6	Ind
MEPCO, INC., 1-2-4, Adv Pg 202	**35-37 Abbott Ave, Morristown**	**NJ**
Metalpast Co., Inc., 1-2-4	34-51 56th St, Woodside	NY
Metavac, Inc., 4	45-68 162 St, Flushing 58	NY
Ohmite Mfg. Co., 4	3601 Howard St, Skokie	Ill
Onondaga Electronics Div., Speer Carbon Co., 5	1810 W. Fayette St, Syracuse 1	NY
Optical Coating Laboratory, Inc., 4	2789 Giffen Ave, Santa Rosa	Cal
Penn Resistor Corp., 1-2	526 N. Broad St, Lansdale	Pa
Printronics Corp., 5	3127 El Camino Real, Palo Alto	Cal
Pyrofilm Resistor Co., Inc., 1-2	U.S. Hwy 46, Parisippany	NJ
RESISTANCE PRODUCTS CO., 1-4, Adv Pg 197	**914 S. 13th St, Harrisburg**	**Pa**
Schjeldahl Co., G.T., 4	P.O. Box 170, Northfield	Minn
Solar Mfg. Corp., 5	4553 Seville Ave, Los Angeles 58	Cal
Sprague Electric Co., 1-2-4-5	125 Marshall St, North Adams	Mass
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	Eng
TECHNICAL APPARATUS BUILDERS, 1-2-4, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TECHNOLOGY INSTRUMENT CORP., 1-2-4-5, Adv Pg 223	**533 Main St, Acton**	**Mass**
Tech-Ohm Resistor Corp., 1-2-3-4-5	36-11 33rd St, Long Island City 6	NY
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 1-2-5, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Tingstol Co., 5	1340 W. Fullerton, Chicago 14	Ill
United Mineral & Chemical Corp., 1-2	16 Hudson St, New York 13	NY
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., 2, Adv. Pgs. 260, 368	**5806 Hough Ave, Cleveland 3**	**Ohio**
Wells Co., Inc., Gary, 2	361 Rockaway Ave, Valley Stream	NY
Welwyn International, Inc., 1-2-4	3355 Edgecliff Terr, Cleveland 11	Ohio

RESISTORS —*FUSE*

Bradford Components, Inc	65 South Ave, Salamanca	NY
CLAROSTAT MFG. CO., INC., Adv Pg 129	**Dover**	**NH**
Eastern Precision Resistor Corp	675 Barbey St, Brooklyn	NY
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Hamilton-Hall Resistor Corp.	227 N. Water St, Milwaukee 2	Wisc
International Resistance Co	401 N. Broad St, Philadelphia	Pa
Lectrohm, Inc	5560 Northwest Hwy, Chicago 30	Ill
Ohio Carbon Co	12508 Berea Rd, Cleveland 11	Ohio
TRU-OHM PRODUCTS DIV., MODEL ENGINEERING & MFG. INC., Adv Pg 290	**2800 Milwaukee Ave, Chicago 18**	**Ill**
United Mineral & Chemical Corp.	16 Hudson St, New York 13	NY
Workman TV Products, Inc.	P.O. Box 5397, Sarasota	Fla

RESISTORS —*PARALLEL R-C* See CAPACITORS —*FIXED*

RESISTORS —*SILICONE*

Hamilton-Hall Resistor Corp.	227 N. Water St, Milwaukee 2	Wisc
Lectrohm, Inc	5560 Northwest Hwy, Chicago 30	Ill
MEPCO, INC., Adv Pg 202	**35-37 Abbott Ave, Morristown**	**NJ**
Ohmite Mfg. Co	3601 Howard St, Skokie	Ill
Pacific Resistor & Cable Co.	2186 Colorado Ave, Santa Monica	Cal
Tech-Ohm Resistor Corp	36-11 33rd St, Long Island City 6	NY
Workman TV Products, Inc.	P.O. Box 5397, Sarasota	Fla

RESISTORS —*VARIABLE, PRESSURE-SENSITIVE*

Allen-Bradley Co	136 W. Greenfield Ave, Milwaukee 4	Wisc
CLAROSTAT MFG. CO., INC., Adv Pg 129	**Dover**	**NH**
CONTINENTAL-WIRT ELECTRONICS CORP., Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
Superior Electric Co	83 Laurel St, Bristol	Conn
TECHNOLOGY INSTRUMENT CORP., Adv Pg 223	**533 Main St, Acton**	**Mass**
Technology Instrument Corp of Ariz	1050 E. Valencia Rd, Tucson 2	Ariz
Tech-Ohm Resistor Corp	36-11 33rd St, Long Island City 6	NY
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
United Mineral & Chemical Corp.	16 Hudson St, New York 13	NY

RESISTORS —*VOLTAGE-SENSITIVE*

CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
FERROXCUBE CORP OF AMERICA, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Electric Co., Magnetic Materials Section	7806 N. Neff Blvd, Edmore	Mich
Lectrohm, Inc	5560 Northwest Hwy, Chicago 30	Ill
Tech-Ohm Resistor Corp	36-11 33rd St, Long Island City 6	NY
Trionics Corp	P. O. Box 548, Madison 1	Wisc

RESISTORS —*WIRE-WOUND, FIXED*

1. SUBMINIATURE 2. UNDER 2 WATTS 3. 2 TO 4 WATTS 4. 4 TO 35 WATTS 5. 35 TO 225 WATTS 6. 225 TO 500 WATTS 7. 500 TO 1,500 WATTS 8. PRECISION LOW-VOLTAGE 9. PRECISION HIGH-VOLTAGE 10. R-F NONINDUCTIVE 11. CARDS

A R & D A, 1-2-3-8	135 Main St, Belleville 9	NJ
Ace Coil & Electronics Co., 1-2-3-8-10	912 Lincoln Hwy, Metuchen	NJ
Aerovox Corp., 1-2-8-10	740 Belleville Ave, New Bedford	Mass
Alpha Instrument Co., 11	43 Hempstead St, New London	Conn
Atlas Resistor Co., 4-5-6-7	1128 Madison St, Chester	Pa
Axel Resistor Corp., 1-2-3-8-10-11	134-20 Jamaica Ave, Richmond Hill	NY
Blackburn Electronic Corp., 1-2-3-4-5-6-7-8-9-10-11	55 W. 7th St, Wyoming	Pa
Bond Electronics Corp., 1-2-8-10	60 Springfield Ave, Springfield	NJ
Bradford Components, Inc., 2-3-4-5-8-9	65 South Ave, Salamanca	NY
British Radio Electronics, Ltd., 1	1833 Jefferson Pl, N.W., Wash 6	DC
CTS CORP., 1-3-8-10, Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
Carol Electronics Corp., 2-8	315 W. Stephen St, Martinsburg	W. Va
Cinema Engineering Div., Aerovox Corp., 1-2-8-10-11	1100 Chestnut St, Burbank	Cal
Clark Controller Co., 7	1146 E. 152 St, Cleveland 10	Ohio
CLAROSTAT MFG. CO., INC., 2-3-4-5-10-11, Adv Pg 129	**Dover**	**NH**
Colber Corp., The, 2-3-4	26 Buffington St, Irvington	NJ
CONSOLIDATED RESISTANCE CO OF AMERICA INC., 1-2-8-9, Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
CONTINENTAL-WIRT ELECTRONICS CORP., 2-3-4-5, Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
Corbett Science Labs., F.W., 1-2-3-8-11	3117 Venice Blvd, Los Angeles 19	Cal
DALE PRODUCTS, INC., 1-2-3-4-5-6-8-9-10, Adv. Pgs. 153-156	**P.O. Box 136, Columbus**	**Neb**
DAVEN CO., 1-2-3-4-8-9-10-11, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 2-3-4, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
DeWitt Development Co., 1-2-3	3008 W. 127 St, Blue Island	Ill
Dmeter Mfg. Co., Inc., 1-2-8	68 N. Broadway, Yonkers	NY
EIR Corp., 1-3	5177 Overland Ave, Culver City	Cal
Eastern Precision Resistor Corp., 1-2-3-8-9-10	675 Barbey St, Brooklyn	NY
Electro-Flex Heat, Inc., 5	83 Woodbine St, Hartford 6	Conn
Electro Instruments, Inc., 8	3540 Aero Ct, San Diego	Cal

ELECTRO-MEC LABORATORY, INC., 2, Adv Pg 540	**47-51 33rd St, Long Island City 1**	**NY**
ELECTRO SCIENTIFIC INDUSTRIES INC., 2-11, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electron-Radar Products, 2	4806 W. Chicago Ave, Chicago 51	Ill
FXR, INC., 10-11, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Filmohm Corp., 1-4-5-6-7-8-10-11	48 W. 25 St, New York 10	NY
Fugle-Miller Laboratories, Inc., 2	301 Central Ave, Clark	NJ
G B COMPONENTS, INC., 1-2-3-8, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 4-5-6-7, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL RADIO CO., 2-8-10, Adv Pg 285	**West Concord**	**Mass**
General Resistance, Inc., 1-2-8-9-10-11	430 Southern Blvd, New York 55	NY
General Transistor Corp., 1-2-8	91-27-138th Pl, Jamaica 35	NY
GRAY INSTRUMENT CO., 2-8-11, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Hamilton-Hall Resistor Corp., 3-4-11	227 N. Water St, Milwaukee 2	Wisc
Hardwick Hindle, Inc., 3-4-5-6-7	40 Herman St, Newark 5	NJ
HI-G, INC., 9, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Instrument Resistors Co., 1-2-3-4-8-10	1036 Commerce Ave, Union	NJ
International Resistance Co., 1-2-3-4-5-6-8-10	401 N. Broad St, Philadelphia	Pa
JULIE RESEARCH LABS., 1-8-9-10, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
K-F DEVELOPMENT CO., 1-2-5-9, Adv Pg 506	**2606 Spring St, Redwood City**	**Cal**
Kelvin Electric Co., 1-2-3-4-5-8	5907 Noble Ave, Van Nuys	Cal
Key Resistor Corp., 1-2-3-8-9-11	321 W. Redondo Beach, Gardena	Cal
Lectrohm, Inc., 2-3-4-5-6	5560 Northwest Hwy, Chicago 30	Ill
Leonard Electronics, Inc., 1-2-3-8-9-10-11	1209 Olympic Blvd, Montebello	Cal
Mallory & Co., Inc., P.R., 1-2-3-4	34 S. Gray St, Indianapolis 6	Ind
Marsland Engineering, Ltd., 3-4-5-6	154 Victoria St S., Kitchener, Ontario, Canada	
Marstan Electronics Corp., 1-2-3-8-10	204 Babylon Trnpk, Roosevelt	NY
MEPCO, INC., 1-2-3-4-8-9-10-11, Adv Pg 202	**35-37 Abbett Ave, Morristown**	**NJ**
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 1-8, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
Miller Research Laboratories, 8	5529 S. Fifth St, Milwaukee 7	Wisc
Milwaukee Resistor Co., 1-2-3-4-5-6-7-10	700 W. Virginia St, Milwaukee 4	Wisc
Miniature Electronic Components Corp., 1-2	21 Plymouth St, Holbrook	Mass
Model Engineering & Mfg., Inc., 3-4-5-6-7	Huntington	Ind
Muirhead & Co., Ltd., 2-8-11	Beckenham, Kent, England	
Muter Co., 2-3-4	1255 S. Michigan, Chicago 5	Ill
NON-LINEAR SYSTEMS, INC., 8, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
Ohio Carbon Co., 4-5	12508 Berea Rd, Cleveland 11	Ohio
Ohmite Mfg. Co., 1-2-3-4-5-6-7-8-10	3601 Howard St, Skokie	Ill
Ohmweve Co., Inc., 10	43 Darcy St, West Hartford 10	Conn
Ortron Electronics, 2-3	29 Lincoln Ave, Orange	NJ
Pacific Resistor & Cable Co., 1-2-3-4-5-6-7-8-9-10-11	2186 Colorado Ave, Santa Monica	Cal
Pendar, Inc., 4-5-6	14744 Arminta St, Van Nuys	Cal
Precision Inc., 1-2-3-4-5-8	**4748 France Ave N., Minneapolis**	**Minn**
Precision Resistor Co., 1-2-3-4-8-9-11	109 US Hwy 22, Hillside 5	NJ
R. C. L. Mfg. Co., 8-9-10	New Jersey Ave, Riverside 8	NJ
REON RESISTOR CORP., 1-2, Adv Pg 537	**155 Saw Mill River Rd, Yonkers**	**NY**
RESISTANCE PRODUCTS CO., 1-2-8-9, Adv Pg 197	**914 S. 13th St, Harrisburg**	**Pa**
Resistors, Inc., 3-4-5	5226 W. 26th St, Chicago 50	Ill
Rex Rheostat Co., 6-7-10	149 Babylon Trnpk, Roosevelt	NY
RHO Engineering Co., 1-2-8	2242 Sepulveda Blvd, Los Angeles 64	Cal
Sag Harbor Industries, Inc., 1-2-3	Bay Dr, Sag Harbor	NY
SAGE ELECTRONICS CORP., 2-3-4, Adv Pg 252	**Country Club Rd, East Rochester**	**NY**
SENSITIVE RESEARCH INSTRUMENT CORP., 8, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SHALLCROSS MFG. CO., 2-3-4-8-9-11, Adv Pg 148	**Selma**	**NC**
Shallite, Inc., 1-2-8	128 W. First Ave, Roselle	NJ
Sprague Electric Co., 1-2-3-4-5-8-9-10	125 Marshall St, North Adams	Mass
States Co., 10-11	19 New Park Ave, Hartford 6	Conn
Sullivan Ltd., H.W., 8	80 Shore Rd, Port Washington	NY
TECHNICAL APPARATUS BUILDERS, 2-3-4-5-6-8, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TECHNOLOGY INSTRUMENT CORP., 1-2-3-8-10,		
Tech-Ohm Resistor Corp., 3-4-5-6-7	36-11 33rd St, Long Island City 6	NY
Tel-Labs, Inc., 1-2-3	1050 Second St, Manchester	NH
Tenatronics Ltd., 8	1011 Power Ave, Cleveland 14	Ohio
Tepro Electric Corp., 1-2-3-4-5-6-7	5 St. Paul St, Rochester 4	NY
Tinsley Instruments (Canada), Ltd., 8	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topper Mfg. Co., Inc., 1-10	84-56 Parsons Blvd, Jamaica 32	NY
TRU-OHM PRODUCTS DIV., MODEL ENGINEERING & MFG. INC., 2-3-4-5-6-7-10, Adv Pg 290	**2800 Milwaukee Ave, Chicago 18**	**Ill**
Ultronix, Inc., 1-2-3-8-9	111 E. 20th Ave, San Mateo	Cal
United Mineral & Chemical Corp., 1-2-3-4-5-6-7-8-9-10	16 Hudson St, New York 13	NY
WARD LEONARD ELECTRIC CO., 3-4-5-6-7-10, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Welwyn International, Inc., 1-2-3-4-8-9-10	3355 Edgecliff Terr, Cleveland 11	Ohio
Workman TV Products, Inc., 2-3-4-5-8-10	P.O. Box 5397, Sarasota	Fla

RESISTORS *—WIRE-WOUND, VARIABLE*

1. ADJUSTABLE (SLIDING TAPS) 2. SLIDE-WIRE See POTENTIOMETERS *FOR LOW-WATTAGE COMPOSITION & WIRE-WOUND RHEOSTATS, FOR INDUSTRIAL UNITS,* See RHEOSTATS *—WIRE-WOUND, INDUSTRIAL*

Aero Electronics Corp., 1	1745 W. 134th St, Gardena	Cal
Aerovox Corp., 1-2	740 Belleville Ave, New Bedford	Mass
ANTON ELECTRONIC LABS., INC., 1, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Atlas Resistor Co., 1	1128 Madison St, Chester	Pa
Blackburn Electronic Corp., 1-2	55 W. 7th St, Wyoming	Pa
Bourns, Inc., 1	6135 Magnolia Ave, Riverside	Cal
Carter Parts Co., 1	3401 Madison St, Skokie	Ill
CLAROSTAT MFG. CO., INC., 1, Adv Pg 129	**Dover**	**NH**
Con-Elco, 1-2	1711 S. Mountain, Monrovia	Cal
CONSOLIDATED RESISTANCE CO OF AMERICA INC., 1-2, Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
CONTINENTAL-WIRT ELECTRONICS CORP., 1, Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
Corbett Science Labs., F.W., 1-2	3117 Venice Blvd, Los Angeles 19	Cal
DAVEN CO., 1-2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Electromath Corp., 1	115 Pleasant Ave, Roosevelt	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
GRAY INSTRUMENT CO., 2, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Hardwick Hindle, Inc., 1-2	40 Herman St, Newark 5	NJ
HI-G, INC., 2, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
International Resistance Co., 1	401 N. Broad St, Philadelphia	Pa
Lectrohm, Inc., 1	5560 Northwest Hwy, Chicago 30	Ill
Litton Industries, Potentiometer Div., 2	215 S. Fulton Ave, Mt. Vernon	NY
Mallory & Co., Inc., P.R., 2	34 S. Gray St, Indianapolis 6	Ind
Marsland Engineering, Ltd., 1	154 Victoria St S., Kitchener, Ontario, Canada	
Maurey Instrument Corp., 1	7924 S. Exchange Ave, Chicago 17	Ill
Milwaukee Resistor Co., 2	700 W. Virginia St, Milwaukee 4	Wisc
Model Engineering & Mfg., Inc., 1	Huntington	Ind
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Ohio Carbon Co., 1	12508 Berea Rd, Cleveland 11	Ohio
Ohmite Mfg. Co., 1-2	3601 Howard St, Skokie	Ill
Precision Inc., 1	**4748 France Ave N., Minneapolis**	**Minn**
R. C. L. Mfg. Co., 1-2	New Jersey Ave, Riverside 8	NJ
Resistors, Inc., 1	5226 W. 26th St, Chicago 50	Ill
Rex Rheostat Co., 1-2	149 Babylon Trnpk, Roosevelt	NY
Rinco, Inc., 2	7962 S.E. Powell Blvd, Portland 6	Ore
STICHT CO., INC., HERMAN H., 1-2, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Subminiature Instruments Corp., 2	3705 Sunnyside Dr, Riverside	Cal
Sullivan Ltd., H.W., 2	80 Shore Rd, Port Washington	NY
TECHNOLOGY INSTRUMENT CORP., 2, Adv Pg 223	**533 Main St, Acton**	**Mass**
Technology Instrument Corp of Ariz., 1-2	1050 E. Valencia Rd, Tucson 2	Ariz
Technology Instrument Corp of Ill., 1	10130 W. Pacific Ave, Franklin Park	Ill
Tech-Ohm Resistor Corp., 1	36-11 33rd St, Long Island City 6	NY
Topp Industries, Inc., 1	5221 W. 102 St, Los Angeles 45	Cal
TRU-OHM PRODUCTS DIV., MODEL ENGINEERING & MFG. INC., 1, Adv Pg 290	**2800 Milwaukee Ave, Chicago 18**	**Ill**
Ultronix, Inc., 1-2	111 E. 20th Ave, San Mateo	Cal
United Mineral & Chemical Corp., 1-2	16 Hudson St, New York 13	NY
WARD LEONARD ELECTRIC CO., 1, Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Welch Scientific Co., W.M., 1-2	1515 Sedgwick St, Chicago 10	Ill
Wells Industries Corp., 1-2	6880 Troost Ave, North Hollywood	Cal
Workman TV Products, Inc., 1	P.O. Box 5397, Sarasota	Fla

RESISTORS *—WIRE-WOVEN*

CLAROSTAT MFG. CO., INC., Adv Pg 129	**Dover**	**NH**
Electromath Corp	115 Pleasant Ave, Roosevelt	NY
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Ohmweve Co., Inc	43 Darcy St, West Hartford 10	Conn
Pendar, Inc	14744 Arminta St, Van Nuys	Cal
States Co	19 New Park Ave, Hartford 6	Conn
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY

RESISTS See CHEMICALS *—PRINTED-CIRCUIT*

RESOLVERS

1. COMPUTING (Incl. COORDINATE-TRANSFORM, COMPENSATED, DATA-TRANSMITTING, POSITIONAL, PRODUCT, SERVO, SINE-COSINE AND UNCOMPENSATED) 2. SWEEP See Also CONVERTERS *—ANALOG-TO-DIGITAL AND* POTENTIOMETERS *—PRECISION, SINE-COSINE*

American Electronics, Inc., Instrument Div., 1	9503 W. Jefferson Blvd, Culver City	Cal
BECKMAN/BERKELEY DIV., 1, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 1	P.O. Box 1, Buffalo 5	NY
Bendix Aviation Corp., Montrose Div., 1	South Montrose	Pa
CLIFTON PRECISION PRODUCTS CO., INC., 1, Adv. Pgs. 126, 127	**Marple at Bwy, Clifton Hghts**	**Pa**
COMPUTER INSTRUMENTS CORP., 1, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Computer Systems, Inc., 1	611 Broadway, New York 12	NY
Control Data Corp., Cedar Engr. Div., 1-2	501 Park Ave, Minneapolis 15	Minn
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal
Daystrom-Transicoil Corp., 1	Worcester, Montgomery County	Pa
Diehl Mfg. Co., 1-2	1129 Finderne Ave, Somerville	NJ
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electronic Associates, Inc., 1	Long Branch	NJ
Ford Instrument Co., Div., Sperry Rand Corp., 1	31-10 Thomson Ave, Long Island City 1	NY
Harowe Precision Inc., 1	Mount Rd, Lenni Mills	Pa
HI-G, INC., 1-2, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
IMC MAGNETICS CORP., 1, Adv Pg 186	**570 Main St, Westbury**	**NY**
Instrument Systems Corp., 1	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ketay Dept., Norden Div., United Aircraft Corp., 1-2	Jericho Trnpk, Commack	NY
Milgo Electronic Corp., 1	7620 N.W. 36th Ave, Miami 47	Fla
Missouri Research Labs., Inc., 1	2109 Locust St, St. Louis 3	Mo
Muirhead & Co., Ltd., 1-2	Beckenham, Kent, England	
Norden Div., United Aircraft Corp., 1	58 Commerce Rd, Stamford	Conn
PSP ENGINEERING CO., DIV., IMC, 1, Adv Pg 383	**8608 Otis St, South Gate**	**Cal**
Packard Bell Computer Corp., 1	1905 Armacost Ave, Los Angeles 25	Cal
Reeves Instrument Corp., 1-2	Roosevelt Field, Garden City	NY
Siemon Mfg. Co., 1	P. O. Box 275, Wayne	Ill
Singer Mfg. Co., Military Products Div., 1-2	149 Broadway, New York 3	NY
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Spectrol Electronics Corp., 1	1704 S. Del Mar, San Gabriel	Cal
Toyo Trading Co., Ltd., 1	P.O. Box 999, Central Tokyo	Japan
Vernitron Corp., 1-2	136 Church St, New York 5	NY
Wright Machinery Co., Div of Sperry Rand Corp., 1	Durham	NC
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 1, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

RESONANT CAVITIES See CAVITIES *—MICROWAVE:* ECHO BOXES

RESONATORS *—MICROWAVE, ETCHED-CIRCUIT*

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HI-G, INC., Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Melabs	3300 Hillview Ave, Palo Alto	Cal
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Techniques, Inc	40 Jay St, Englewood	NJ

RETAINING RINGS See RINGS *—RETAINING*

RETRACTILE CORDS See CORDS –*RETRACTILE*
REVERBERATION GENERATORS See GENERATORS –*REVERBERATION*
REVOLUTION COUNTERS See COUNTERS –*REVOLUTION*
R-F AMMETERS See AMMETERS
R-F ATTENUATORS See ATTENUATORS
R-F CABLES –*SHIELDED* See CABLES –*SHIELDED*
R-F CABLES –*UNSHIELDED* See CABLES –*UNSHIELDED*
R-F CALIBRATORS See CALIBRATORS –*FREQUENCY*
R-F NOISE GENERATORS See GENERATORS –*NOISE*
R-F POWER AMPLIFIERS See AMPLIFIERS – R-F
R-F POWER BRIDGES See BRIDGES
R-F POWER MONITORS See MONITORS –*POWER*
R-F PROBE INDICATORS See DETECTORS –*STANDING-WAVE*
R-F PROBES See PROBES
R-F SIGNAL GENERATORS See GENERATORS –*SIGNAL*
R-F TRANSFORMERS See TRANSFORMERS
R-F WAVEFORM INDICATORS See OSCILLOSCOPES

RHEOSTATS –*ELECTRONIC*

Bourns, Inc	6135 Magnolia Ave, Riverside	Cal
CTS CORP., Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
ELECTRIC REGULATOR CORP., Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
HI-G, INC., Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Ohmite Mfg. Co	3601 Howard St, Skokie	Ill
Rinco, Inc	7962 S.E. Powell Blvd, Portland 6	Ore
Stelma, Inc	200 Henry St, Stamford	Conn
TECHNICAL APPARATUS BUILDERS, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal

RHEOSTATS –*GENERAL-PURPOSE* See POTENTIOMETERS
RHEOSTATS –*SLIDE WIRE* See RESISTORS –*WIRE-WOUND, VARIABLE*

RHEOSTATS –*WIRE-WOUND INDUSTRIAL (10 WATTS & UP)*

Biddle Co., James G.	1316 Arch St, Philadelphia 7	Pa
Clark Controller Co	1146 E. 152 St, Cleveland 10	Ohio
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Hardwick Hindle, Inc	40 Herman St, Newark 5	NJ
HI-G, INC., Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Model Engineering & Mfg., Inc	Huntington	Ind
Model Rectifier Corp	1675 Utica Ave, Brooklyn 34	NY
Ohmite Mfg. Co	3601 Howard St, Skokie	Ill
TECHNICAL APPARATUS BUILDERS, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TRU-OHM PRODUCTS DIV., MODEL ENGINEERING & MFG. INC., Adv Pg 290	**2800 Milwaukee Ave, Chicago 18**	**Ill**
United Mineral & Chemical Corp	16 Hudson St, New York 13	NY
WARD LEONARD ELECTRIC CO., Adv. Pgs. 410, 411	**23 South St, Mt. Vernon**	**NY**
Watlow Electric Mfg. Co	1376 Ferguson Ave, St. Louis 14	Mo
Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

RIBBON CABLES See CABLES –*FLAT*
RIGID COAXIAL CABLE See CABLES –*COAXIAL*

RINGS –*CARBON, PACKING*

GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Johns-Manville	22 E. 40 St, New York 16	NY
National Carbon Co., Div., UCC	270 Park Ave, New York 17	NY
Ohio Carbon Co	12508 Berea Rd, Cleveland 11	Ohio
Stackpole Carbon Co	201 Stackpole St, St. Marys	Pa

RINGS –*COLLECTOR*

AIRFLYTE ELECTRONICS CO., Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Brainin Corp., C. S	320 Washington St, Mt. Vernon	NY
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
ELECTRO TEC CORP., Adv Pg 429	**10 Romanelli Ave, S. Hackensack**	**NJ**
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Industrial Electrical Works	1509 Chicago St, Omaha 2	Neb
Midwest Molding & Mfg. Co	Gurnee	Ill
Poly Scientific Corp	Rt 460 N., Blacksburg	Va

RINGS –*RETAINING*

Eaton Mfg. Co., Reliance Div	25 Charles Ave S.E., Massillon	Ohio
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
Industrial Retaining Ring Co	57 Cordier St, Irvington 11	NJ
Rotor-Clip Co., Inc	114 Allen Blvd, Farmingdale	NY
Skycraft Tool Engineering Co	2610 Willo Ln, Costa Mesa	Cal
Waldes Kohinoor, Inc	47-16 Austel Pl, Long Island City 1	NY

RIPPLE FINISHES See PAINTS & PRIMERS: VARNISHES

RIVETS

Abbott Products, Inc	14-10 123rd St, College Point 56	NY
ALLMETAL SCREW PRODUCTS CO., INC., Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Brainin Corp., C. S	320 Washington St, Mt. Vernon	NY
Channel Master Co	Ellenville	NY
Chase Brass & Copper Co., Inc	236 Grand St, Waterbury 20	Conn
Chicago Rivet & Machine Co	Bellwood	Ill
CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Continental Screw Co	459 Mt Pleasant St, New Bedford	Mass
Division Lead Co	7742 W. 61st Pl, Summit	Ill
Fastex Div., Illinois Tool Works	195 Algonquin Rd, Des Plaines	Ill
FEDERAL SCREW PRODUCTS, INC., Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Goodrich Aviation Products, B.F., Div of B.F. Goodrich Co	Akron	Ohio
Gries Reproducer Corp	151 Beechwood St, New Rochelle	NY
Hassall, Inc., John	P.O. Box 2242, Westbury	NY
Huck Mfg. Co	2480 Bellevue Ave, Detroit 7	Mich
Keystone Bolt & Nut Corp	127 Church St, New York 7	NY
Mercury Air Parts Co	9310 W. Jefferson Blvd, P.O. Box 135, Culver City	Cal
Milford Rivet & Machine Co	851 Bridgeport Ave, Milford	Conn
Parker Seal Co., Div of Parker-Hannifin Corp	10567 Jefferson Blvd, Culver City	Cal
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Russell, Burdsall & Ward Bolt & Nut Co	Port Chester	NY
Southco Div., South Chester Corp	Lester	Pa
Tubular Rivet & Stud Co	Weston Ave, Quincy 70	Mass
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

ROCHELLE SALT CRYSTALS See CRYSTAL BLANKS: CRYSTALS – *PIEZOELECTRIC*

RODS –*GROUND*

American Development Electronics Co	212 Central Ave, Newark	NJ
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Channel Master Co	Ellenville	NY
Copperweld Steel Co., Wire & Cable Div	Glassport	Pa
Crown Metal Products	Box 38, Wyano	Pa
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Parker Metal Goods Co	85 Prescott St, Worcester	Mass
Premax Products Div., Chisholm-Ryder Co., Inc	Highland & College, Niagara Falls 2	NY
South River Metal Products Co., Inc	377 Turnpike, South River	NJ

RODS –*METAL* See *METAL DESIRED*
RODS –*PLASTIC* See PLASTICS: *ROD & TUBING*
RODS –*THREADED* See METAL PARTS –*THREADED RODS*
ROLLER BEARINGS See BEARINGS
ROOMS –*SCREEN* See CHAMBERS –*ENVIRONMENTAL TEST*
ROTARY ACTUATORS See ACTUATORS
ROTARY BEAM ANTENNAS See ANTENNAS –*COMMUNICATION*
ROTARY CONVERTERS See CONVERTERS –*POWER*
ROTARY INVERTERS See INVERTERS
ROTORY JOINTS See JOINTS –*ROTARY*
ROTARY SOLENOIDS See SOLENOIDS

ROTATORS –*ANTENNA*

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Alliance Mfg. Co	Lake Blvd, Alliance	Ohio
Andrew Corp	P. O. Box 807, Chicago 42	Ill
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Channel Master Co	Ellenville	NY
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Radio Merchandise Sales, Inc	2016 Bronxdale Ave, New York 62	NY
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Smith Mfg. Co., J & H	Little Britain Rd, Newburgh	NY
Telrex, Inc	Asbury Park	NJ
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

ROTORS –*CASTINGS*

CELCO CONSTANTINE ENGINEERING LABS CO., Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Harowe Precision Inc	Mount Rd, Lenni Mills	Pa

ROUTERS See TOOLS –*CUTTERS*

RUBBER –*PARTS, RODS, SHEETS & TUBING*
1. FOAM 2. NATURAL 3. NATURAL, CONDUCTIVE 4. NATURAL, HARD 5. SILICONE 6. SYNTHETIC

ALPHA WIRE CORP., 5, Adv Pg 266	**200 Varick St, New York 14**	**NY**
Auburn Mfg. Co., The, 1-2-3-4-5-6	Pease Ave & Stack St, Middletown	Conn
Bacon Industries, Inc., 5-6	192 Pleasant St, Watertown 72	Mass
BIRNBACH RADIO CO., INC., 5-6, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Brand William-Rex Div., 5	31 Sudbury Rd, Concord	Mass
Connecticut Hard Rubber Co., 1-5	407 East St, New Haven 9	Conn
Deutsch Co., Electronic Components Div., 5	Municipal Airport, Banning	Cal
Felt Products Mfg. Co., 2-5-6	7450 N. McCormick Blvd, Skokie	Ill
Forest City Products, Inc., 1-2-4-5-6	722 Bolivar Rd, Cleveland 15	Ohio
General Electric Co., Lamp Metals & Components Dept., 2-4-6	21800 Tungsten Rd, Cleveland 17	Ohio
General Gaskets, Inc., 1-2-5-6	Middletown	Conn
General Tire & Rubber Co., 2-6	Akron	Ohio
Goodrich Industrial Products Co., B.F., 3-4-6	500 S. Main St, Akron 18	Ohio
Goodrich, B.F. Sponge Products Div., 1-2-5-6	1 W. Plant 4, Shelton	Conn
Insulating Fabricators, Inc., 5	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 5	565 W. Washington Blvd, Chicago 6	Ill
Johns-Manville, 6	22 E. 40 St, New York 16	NY
Kirkhill Rubber Co., 2-5-6	300 E. Cypress, Brea	Cal
Luzerne Rubber Co., 2-4-6	P.O. Box 2191, Muirhead Ave, Trenton 7	NJ
Melpar, Inc., 5	3000 Arlington Blvd, Falls Church	Va
Minisink Rubber Co., Inc., 2-3-6	Orange County, Unionville	NY
Minnesota Rubber Co., 2-3-4-5-6	3630 Wooddale Ave, Minneapolis	Minn
Minor Rubber Co., Inc., 1-2-3-4-5-6	49 Ackerman St, Bloomfield	NJ
Moxness Products, Inc., 5	1916 Indiana St, Racine	Wisc
National Gasket & Washer Co., 1-2-5-6	122 E. 25 St, New York	NY
Newth Rubber Co., 2-5-6	Barrington	RI
Pacific Moulded Products, 2-3-5-6	905 E. 59 St, Los Angeles	Cal
Pelmor Laboratories, Inc., 2-4-5-6	401 Lafayette St, Newtown	Pa
Penn Fibre & Specialty Co., 2-6	2020 E. Westmoreland St, Philadelphia 4	Pa
Raybestos-Manhattan, Inc., 2-3-4-5-6	61 Willett St, Passaic	NJ
Republic Rubber Div., Lee Rubber & Tire, 2-3-4-6	1412 Albert St, Youngstown	Ohio
Roberts Toledo Rubber Co., 2-3-4-6	4141 Monroe St, Toledo	Ohio
Rubbercraft Corp of California, 1-2-3-4-5-6	1800 W. 220 St, Torrance	Cal
Sierra Engineering Co., 5	123 E. Montecito, Sierra Madre	Cal
Stalwart Rubber Co., 5-6	160 Northfield Rd, Bedford	Ohio
U.S. Rubber Co., 1-2-3-4-6	1230 Ave of the Americas, New York 20	NY
VARFLEX CORP., 5, Adv Pg 146	**506 W. Court St, Rome**	**NY**
Western Felt Works, 5-6	4029 Ogden Ave, Chicago	Ill
ZIPPERTUBING CO., 5-6, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

RUBBER –*RAW MATERIAL*
1. NATURAL 2. SILICONE RUBBER 3. SYNTHETIC

Armstrong Cork Co., 2	Lancaster	Pa
Auburn Mfg. Co., The, 1-2-3	Pease Ave & Stack St, Middletown	Conn
Borden Chemical Co., Div., Borden Co., 3	350 Madison Ave, New York 17	NY
DOW CORNING CORP., 2, Adv. Pgs. 238, 239	**Midland**	**Mich**
du Pont de Nemours & Co., Inc., E.I., 3	Wilmington 98	Del

General Electric Co., Silicone Prods Dept., 2	Dept A, Waterford	NY
General Tire & Rubber Co., 3	Akron	Ohio
Goodyear Tire & Rubber Co., Chemical Div., 3	1144 E. Market St, Akron 16	Ohio
Insulating Fabricators, Inc., 2	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 2	565 W. Washington Blvd, Chicago 6	Ill
Johns-Manville, 3	22 E. 40 St, New York 16	NY
Minnesota Mining & Mfg. Co., Chemical Div., 3	900 Bush Ave, St. Paul 6	Minn
Minor Rubber Co., Inc., 1-2-3	49 Ackerman St, Bloomfield	NJ
Mobay Chemical Co., 3	Penn Lincoln Pkwy. W., Pittsburgh	Pa
Morningstar-Paisley, Inc., 3	630 W. 51st St, New York 19	NY
Pelmor Laboratories, Inc., 1-3	401 Lafayette St, Newtown	Pa
Products Research Co., 2-3	3126 Los Feliz Blvd, Los Angeles 39	Cal
Republic Rubber Div., Lee Rubber & Tire, 1-3	1412 Albert St, Youngstown	Ohio
Rubbercraft Corp of California, 1-2-3	1800 W. 220 St, Torrance	Cal
Silicones Div., UCC, 2	270 Park Ave, New York 17	NY
U.S. Rubber Co., 1-3	1230 Ave of the Americas, New York 20	NY
Western Felt Works, 3	4029 Ogden Ave, Chicago	Ill

RUBBERIZED HAIR See **PACKAGING MATERIALS**
SAFETY CONTROLS See **CONTROLS** *–CAPACITANCE-OPERATED: CONTROLS –PHOTOELECTRIC*
SALT SPRAY CHAMBERS See **CHAMBERS** *–ENVIRONMENTAL TEST*
SALT-SPRAY-RESISTANT COATINGS See **COATINGS**

SAPPHIRE
1. FINISHED PARTS 2. RAW, NATURAL OR SYNTHETIC 3. RODS & SHEETS See Also **BEARINGS** *–JEWEL, SAPPHIRE:* **SEALS**

Alite Div., U.S. Stoneware Co., 1	P.O. Box 119, Orrville	Ohio
Bausch & Lomb, 1	61461 Bausch St, Rochester 2	NY
BIRD CO., RICHARD H., 1, Adv Pg 240	**1 Spruce St, Waltham**	**Mass**
Connolly & Co., Wallace E., 1-2	P.O. Box 295, Menlo Park	Cal
Fredericks Co., 1	Bethayres	Pa
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
KELLER, JR., HUGO, JEWELS, 1, Adv Pg 486	**50 E. 42 St, New York 17**	**NY**
Linde Co., Div., UCC, 1-2-3	270 Park Ave, New York 17	NY
A.D. Mackay, Inc., 2-3	198 Broadway, New York 38	NY
Meller Co., Adolf, 1-2-3	P.O. Box 702, Providence 1	RI
National Beryllia Corp., 1-3	4501 Dell Ave, North Bergen	NJ
Semi-Alloys, Inc., 1-3	550 S. Fulton Ave, Mt. Vernon	NY
SEMI-ELEMENTS, INC., 2, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Swiss Jewel Co., 1	Lafayett Bldg, Philadelphia 6	Pa
SYNCOR PRODUCTS CO., 1, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**
VALPEY CRYSTAL CORP., 1, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Zenith Optical Laboratory, 1	1940 Great Neck Rd, Copiague	NY

SAPPHIRE STYLI See **NEEDLES**
SATURABLE-REACTOR COILS See **COILS** *–WINDINGS ONLY*
SATURABLE REACTORS See **REACTORS** *–SATURABLE*
SAWS See **ABRASIVES: MACHINES: TOOLS: WHEELS** *–DIAMOND*
SCALERS See **COUNTERS** *–ELECTRONIC*

SCALES *–OSCILLOSCOPE SCREEN*

Apahouser Corp	1312 Boylston St, Boston	Mass
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario,	Canada
Sun Dial Corp	E. Passaic Ave, Caldwell	NJ

SCALES *–WEIGHT* See **CONTROLS** *–WEIGHT:* **INDICATORS** *–WEIGHT:* **RECORDERS** *–WEIGHT*
SCANNERS *–FACSIMILE* See **FACSIMILE EQUIPMENT**

SCANNERS *–IMAGE*
1. FLYING-SPOT ILLUMINATION WITH FIXED PICKUP 2. FLOOD ILLUMINATION WITH SCANNING PICKUP

Belock Instrument Corp., 1	112-03 14 Ave, College Point	NY
Dage TV Div., Thompson-Ramo-Wooldridge, 1	W. Tenth St, Michigan City	Ind
Data Equipment Co., 1-2	923 E. 3rd St, Los Angeles 13	Cal
FERRANTI ELECTRIC, INC., 1, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Foto-Video Electronics, Inc., 1	36 Commerce Rd, Cedar Grove	NJ
Geotechnical Corp., 2	3401 Shiloh Rd, Garland	Tex
Hickok Electrical Instrument Co., 1	10514 Dupont, Cleveland 8	Ohio
Hogan Faximile Corp., 1	155 Perry St, New York 14	NY
Houston Fearless Corp., 1-2	11801 W. Olympic Blvd, Los Angeles 64	Cal
Instrument Systems Corp., 1	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
Litton Industries, Electron Tube Div., 1	960 Industrial Rd, San Carlos	Cal
MacLeod & Hanopol, Inc., 1	10 Roland St, Charlestown 29	Mass
Miratel Inc., 1	1080 Dionne St, St. Paul	Minn
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Rank Cintel Ltd., 1	Worsley Bridge Rd, London S.E. 26, England	
Tarc Electronics, Inc., 1	48 Urban Ave, Westbury	NY
TELECHROME MFG. CORP., 1-2, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELEVISION UTILITIES CORP., DIV OF NORD, 1-2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal

SCANNERS *–SWITCHING* See **COMMUTATORS** *–SWITCHING*
SCHEMATIC SYMBOLS *–PRINTED* See **DRAFTING SUPPLIES**
SCHEMATIC SYMBOL TEMPLATES See **DRAFTING SUPPLIES**
SCINTILLATION COUNTERS See **COUNTERS** *–NUCLEAR PARTICLE*
SCINTILLATION CRYSTALS See **CRYSTALS** *–SCINTILLATION*

SCINTILLATORS
1. CRYSTAL 2. LIQUID 3. PLASTIC

American Tradair Corp., Sub of Ekco Electronics, Ltd., 1	34-01 30 St, Long Island City 6	NY
Atomic Accessories Inc., 3	811 W. Merrick Rd, Valley Stream	NY
BAIRD-ATOMIC, INC., 2, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Delta Chemical Works, 1-2-3	21 W. 60th St, New York	NY
Hamner Electronics Co., Inc., 1	P.O. Box 531, Princeton	NJ
HARSHAW CHEMICAL CO., 1-3, Adv Pg 50	**1954 E. 97th St, Cleveland 6**	**Ohio**
Interstate Electronics Corp., 1	707 E. Vermont Ave, Anaheim	Cal
Isomet Corp., 1-2-3	433 Commercial Ave, Palisades Park	NJ
Levinthal Electronic Products, Inc., 1	3180 Hanover St, Palo Alto	Cal
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Nucleonic Corp of America, 1	196 Degraw St, Brooklyn 31	NY
Pilot Chemicals, Inc., 2-3	36 Pleasant St, Watertown 72	Mass
Precision Radiation Instruments, 1	5810 S. Normandie, Los Angeles	Cal
Radiation Counter Labs., Inc., 1-2-3	5121 W. Grove St, Skokie	Ill
Romar Plastics Inc., 3	1311 E. Main St, St. Charles	Ill
SEMI-ELEMENTS, INC., 1-3, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
U. S. Nuclear Corp., 1-2-3	801 N. Lake St, Burbank	Cal

SCOPES See **OSCILLOSCOPES**

SCRAMBLERS *–SPEECH*

Summit Electronics, Inc	7 Industrial Pl, Summit	NJ
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

SCRATCH FILTERS See **FILTERS**
SCREEN ROOMS See **CHAMBERS** *–ENVIRONMENTAL TEST*

SCREENS *–PRINTED-CIRCUIT*
1. SILK 2. WIRE MESH

Apahouser Corp., 1	1312 Boylston St, Boston	Mass
Avionics Corp., 1	Maple Ave & Horsham Rd, Horsham	Pa
Avionics Ltd., 1-2	Box 200, Niagara-on-the-Lake, Ontario	
Bellandi Co., Inc., M., 1-2	7508 W. Grand Ave, Elmwood Park	Ill
Bolling Industries, Inc., 1-2	330 E. Locust St, Scranton 2	Pa
Cambridge Wire Cloth Co., 2	Cambridge	Md
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 1, Adv Pg 485	**550 High St, Bradford**	**Pa**
Dry Screen Process, Inc., 2	1016 Madison Ave, Pittsburgh 12	Pa
Dura Plastics of New York, Inc., 1	303 Fifth Ave, New York 16	NY
Ferguson Perforating & Wire Co., 2	132 Ernest St, Providence	RI
Industrial Engravers, Inc., 1	2212 McDonald Ave, Brooklyn 23	NY
Keil Engineering Products, Inc., 1	6833 Manchester, St. Louis 10	Mo
Kressilk Products, Inc., 1-2	73 Murray St, New York 7	NY
LAPOINTE INDUSTRIES, INC., 2, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
Link Div., Gen Precision, Inc., 1-2	Nowlan Rd, Hillcrest, Binghamton	NY
Ludlow-Saylor Wire Cloth Co., 2	640 S. Newstead Ave, St. Louis	Mo
Melpar, Inc., 1	3000 Arlington Blvd, Falls Church	Va
Montgomery Co., 2	20 Canal Bank, Windsor Locks	Conn
National-Standard Co., 2	Niles	Mich
Naz-Dar Co., 1-2	465 Milwaukee Ave, Chicago 10	Ill
Newark Wire Cloth Co., 2	353 Verona Ave, Newark	NJ
Oki & Willadsen, Ltd., 1-2	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PELLEY CO., 1, Adv Pg 531	**37 Hurley St, Cambridge**	**Mass**
Printloid Inc., 1	10-04 44th Ave, Long Island City 1	NY
Production Process Screen Co., Inc., 1-2	16-18 S. Marshall St, Philadelphia 6	Pa
Rimak, Inc., 1	10929 Vanowen St, N. Hollywood	Cal
Rowe Engravers, Inc., 1-2	262 E. 16th St, Paterson 4	NJ
Sillcocks-Miller Co., 1	Maplewood	NJ
Stanley Aviation Corp., 1	2501 Dallas St, Denver 8	Colo
Supreme Process Corp., 1-2	44 Bond St, Westbury	NY
Techniques, Inc., 1-2	40 Jay St, Englewood	NJ
Tyler Co., W.S., 2	3620 Superior Ave, Cleveland 14	Ohio
Unisco, Inc., 1	1061 Linden Ave, Ridgefield	NJ
Wyrco Projects, Inc., 1-2	66 Main St, Binghamton	NY

SCREENS *–SHIELDING* See **SHIELDING**
SCREW-MACHINE METAL PARTS See **METAL PARTS** *–SCREW MACHINE*

SCREWS
1. CAPTIVE 2. COMMON 3. SELF-LOCKING 4. SELF-SEALING 5. SELF-TAPPING 6. SET 7. THUMB

A.P.M. CORP., 4, Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
Abbott Products, Inc., 1-2-3-4-6-7	14-10 123rd St, College Point 56	NY
ALDEN PRODUCTS CO., 1, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allen Mfg. Co., 6	133 Sheldon St, Hartford 2	Conn
ALLMETAL SCREW PRODUCTS CO., INC., 2-5-6-7, Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Alpine Electronic Components, 1-7	Wolcott Rd, Waterbury	Conn
Aluminum Co of America, 2	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc., 1-6-7	88 Drake Ave, New Rochelle	NY
American Screw Co., 2-4-5	Willimantic	Conn
Anti-Corrosive Metal Products Co., Inc., 1-2-5-6-7	Castleton-on-Hudson	NY
Atlas Screw & Specialty Co., Inc., 1-2-5-6-7	450 Broome St, New York 13	NY
Autoscrew Co., Inc., 1-2-6	216-222 W. 18th St, New York 11	NY
Billings & Spencer Co., 7	3 Laurel St, Hartford 1	Conn
BIRNBACH RADIO CO., INC., 2-5, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bristol Co., 6	P.O. Box 1790EBG, Waterbury 20	Conn
Camcar Screw & Mfg Co., Div., Textron Ind., Inc., 2-3-5	600 Eighteenth Ave, Rockford	Ill
Carr Fastener Co., Div., United-Carr, 1	31 Ames St, Cambridge 42	Mass
Central Screw Co., 1-2-3-5-7	3501 S. Shields Ave, Chicago 9	Ill
Chase Brass & Copper Co., Inc., 2-6-7	236 Grand St, Waterbury 20	Conn
Chicago Screw Co., 6	2703 Washington Blvd, Bellwood	Ill
CIRCON COMPONENT CORP., 2, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Continental Screw Co., 2-3-5	459 Mt Pleasant St, New Bedford	Mass
DeLandri Prec. Elements Co., Inc., 1	39 School St, Yonkers	NY
Eaton Mfg. Co., Reliance Div., 2-3-4-5	25 Charles Ave S.E., Massillon	Ohio
Elco Tool & Screw Co., 2-4-5	1111 Samuelson Rd, Rockford	Ill
Everard Tap & Die Corp., 2	213 E. 144th St, New York 51	NY
FEDERAL SCREW PRODUCTS, INC., 1-2-3-5-6-7, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
General American Transportation Corp., 5-6-7	135 S. La Salle St, Chicago 3	Ill
General Components Co., 1-7	225-229 E. 144th, New York 51	NY
Gries Reproducer Corp., 5-6-7	151 Beechwood St, New Rochelle	NY
Harvey Hubbell, Inc., 2-5	State St & Bostwick Ave, Bridgeport 2	Conn
Holo-Krome Screw Corp., 6	Hartford 10	Conn
Keystone Bolt & Nut Corp., 2-5-6-7	127 Church St, New York 7	NY
Lehigh Metal Products Co., 1-2-3-5-6-7	134 Alewife Brook Pkwy, Cambridge	Mass
Lerco Electronics, Inc., 1	501 S. Varney St, Burbank	Cal
Long-Lok Corp., 3	2601 Colorado Ave, Santa Monica	Cal
Lyn-Tron, Inc., 7	5352 Riverton Ave, North Hollywood	Cal
Mercury Air Parts Co., 2-3-4-5-6-7	9310 W. Jefferson Blvd, P.O. Box 135, Culver City	Cal
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 1, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
Molly Corp., 1-4	232 N. Fifth St, Reading	Pa
Moran Co., 1-6	721 E. El Segundo Blvd, El Segundo	Cal
Morris Co., J.I., 2-3-5-6	376 Elm St, Southbridge	Mass
NATIONAL RADIO CO., 1-3, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Nutmeg Screw Machine Products Co., 1-7	P.O. Box 1470, Waterbury	Conn
Nylok Corp., The, 1-3-4-5-6-7	611 Industrial Ave, Paramus	NJ
Oki & Willadsen, Ltd., 2-6	47 Crockford Blvd, Toronto 16, Ontario, Canada	

Parker-Kalon, 5-6-7	1 Peekay Dr, Clifton	NJ
Pheoll Mfg. Co., Inc., 2-3-4-5-6	5700 Roosevelt Rd, Chicago 50	Ill
Pilgrim Screw Corp., 2-5	259 Dexter St, Providence	RI
Precision Metal Products Co of Malden, 7	41 Elm St, Stoneham 80	Mass
Republic Steel Corp., 3-5-6	Republic Bldg, Cleveland 1	Ohio
Russell, Burdsall & Ward Bolt & Nut Co., 2-3-4-5-6	Port Chester	NY
Set Screw Mfg. Co., 3-5-6	470 Main St, Bartlett	Ill
Shakeproof Div., Ill Tool Works, 3-4	St. Charles Rd, Elgin	Ill
Sierra Electric Corp., 2	15100 S. Figueroa St, Gardena	Cal
Smith, Inc., Herman H., 1-2-5-6-7	2326 Nostrand Ave, Brooklyn 10	NY
Southco Div., South Chester Corp., 1-3	Lester	Pa
Southern Screw Co., 5	P.O. Box 1360 EG Statesville	NC
Standard Screw Co., 2-6	2801 Washington Blvd, Bellwood	Ill
STANDARD PRESSED STEEL CO., 2-3-4-6, Adv Pg 479	**P.O. Box 775, Jenkintown**	**Pa**
Star Stainless Screw Co., 1-2-3-5-6-7	655 Union Blvd, Totowa	NJ
Steel Co., Herman D., 2	Lafayette Bldg, Philadelphia 6	Pa
Sterling Bolt Co., 2-5-6-7	363-405 W. Erie St, Chicago 10	Ill
Thompson-Bremer & Co., 3-5	228 N. LaSalle St, Chicago 1	Ill
Townsend Co., 4	P.O. Box 71, Ellwood City	Pa
United Screw & Bolt Corp., 1-2-4-5-6-7	3590 W. 58 St, Cleveland 2	Ohio
U.S. Engineering Co., Div., Litton Ind., 1-7	13536 Saticoy, Van Nuys	Cal
Waldom Electronics, Inc., 2-5-6	4621 W. 53rd St, Chicago 32	Ill
Weckesser Co.	5701 Northwest Hwy, Chicago 46	Ill

SEALERS See COATINGS
SEALING MACHINES See MACHINES —*HERMETIC-SEALING*

SEALING SERVICES —*HERMETIC*

A.P.M. CORP., Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
Bacon Industries, Inc.	192 Pleasant St, Watertown 72	Mass
Deutsch Co., Electronic Components Div.	Municipal Airport, Banning	Cal
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Glasseal Products Co., Inc	725 Commerce Rd, Linden	NJ
Glass-Tite Industries, Inc.	725 Branch Ave, Providence 4	RI
Greenfield Components Corp	184 Shelburne St, Greenfield 16	Mass
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Mitronics, Inc	1290 Central Ave, Hillside	NJ
Molly Corp	232 N. Fifth St, Reading	Pa
Quality Hermetics, Ltd	45 Hollinger Rd, E. York, Toronto, Ontario	
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa

SEALS —*HERMETIC*
1. METAL-TO-CERAMIC 2. METAL-TO-GLASS 3. METAL-TO-METAL 4. METAL-TO-SAPPHIRE 5. SAPPHIRE-TO-GLASS

Acme Wire Co., 1-2-3-4-5	New Haven 14	Conn
Advanced Products Co., 1-2-3-4	59 Broadway, North Haven	Conn
Advanced Vacuum Products, Inc., Sub Indiana General Corp., 1-2	430 Fairfield Ave, Stamford	Conn
Aerolite Electronics Corp., 2	2207 Summit Ave, Union City	NJ
Alite Div., U.S. Stoneware Co., 1-4	P.O. Box 119, Orrville	Ohio
Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
All-State Welding Alloys Co., Inc., 3	249 Ferris Ave, White Plains	NY
AMERICAN FELDMUEHLE CORP., 1, Adv Pg 438	**11 W. 42nd St, New York 36**	**NY**
AMERICAN LAVA CORP., 1, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 2, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Arnoux Corp., 1-2	11924 W. Washington Blvd, L.A. 66	Cal
Associated Engineering & Mfg. Corp., 2	Glen Ridge	NJ
Atmo Seal Co., 2	4321 Fielding St, Cincinnati 9	Ohio
Bacon Industries, Inc., 3	192 Pleasant St, Watertown 72	Mass
Bel Fuse, Inc., 2	198 Van Vorst St, Jersey City	NJ
Braun-Knecht-Heimann Co. Glass Engrg. Div., 2	603 O'Neil Ave, Belmont	Cal
CARBORUNDUM CO., LATROBE PLANT, 1, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 1, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Ceramaseal, Inc., 1-3-4	P.O. Box 25, New Labanon Center	NY
Ceramco Inc., Chemists, 1-2-3	173 Ridge St, Newark 4	NJ
Cerberus AG, 1	Mannedorf, Switzerland	
Cerro De Pasco Sales Corp., 1-2-3	300 Park Ave, New York 22	NY
Chemtronics Inc., 1-2-3-4-5	870 E. 52nd St, Brooklyn 3	NY
Connecticut Hard Rubber Co., 2	407 East St, New Haven 9	Conn
CONSTANTIN & CO., L.L., 1-2, Adv Pg 291	**Rt. 46, Lodi**	**NJ**
Culbertson Products, Inc., 1-2	25 Samson Ave, Madison	NJ
DAGE ELECTRIC CO., 2, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
Deutsch Co., Electronic Components Div., 2	Municipal Airport, Banning	Cal
Division Lead Co., 2-3	7742 W. 61st Pl, Summit	Ill
Du-Co Ceramics Co., 1	1050 Main St, Saxonburg	Pa
Duramic Products, Inc., 1	426 Commercial Ave, Palisades Park	NJ
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., 2, Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
ELECTRO SEAL CORP., 1-2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
El-Tronics Inc., 2	20 S. 15th St, Philadelphia 2	Pa
Federal Electronic Products, Inc., 2	1380 Pompton Ave, Cedar Grove	NJ
FERRANTI ELECTRIC, INC., 1, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Fredericks Co., 1-2-4-5	Bethayres	Pa
Frenchtown Porcelain Co., 1	Frenchtown	NJ
FUSITE CORP., 2, Adv Pg 181	**6000 Fernview Ave, Cincinnati 13**	**Ohio**
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 1, Adv Pg 471	**Keasbey**	**NJ**
GENERAL HERMETIC SEALING CORP., 3, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Gladding, McBean & Co., 1	1551 S. Primrose St, Monrovia	Cal
Glasseal Products Co., Inc., 1-2	725 Commerce Rd, Linden	NJ
Glass-Tite Industries, Inc., 1-2	725 Branch Ave, Providence 4	RI
Greenfield Components Corp., 1-2-3-4-5	184 Shelburne St, Greenfield 16	Mass
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Hermaseal Co., Inc., 2	1101 N. Main St, Elkhart	Ind
HERMETIC SEAL CORP., 1-2-3-4-5, Adv Pg 475	**29-37 S. Sixth St. Newark 7**	**NJ**
Hermetite Corp., 2	702 Beacon St, Boston 15	Mass
Infrared Industries, Inc., 5	Waltham 54	Mass
Intl Tel & Tel Corp., Components Div., Semiconductor Dept., 2	P.O. Box 412, Clifton	NJ
Johns-Manville, 1-3	22 E. 40 St, New York 16	NY
Kahl Scientific Instrument Corp., 2	332 S. Highland, El Cajon	Cal
Kollmorgen Optical Corp., 1-2-3	347 King St, Northampton	Mass
LAPP INSULATOR CO., INC., RADIO SPECIALTIES DIV., 1, Adv. Pgs. 344, 345	**31 Gilbert St, Le Roy**	**NY**
Materials for Electronics, Inc., 1-2	152-25 138 Ave, Jamaica 34	NY
Metaplast Co., Inc., 1-2	34-51 56th St, Woodside	NY
Microwave Associates, Inc., 2	Burlington	Mass
Microwave Electronic Tube Co., Inc., 1-2-3-4-5	76 Lafayette St, Salem	Mass
Mitronics, Inc	1290 Central Ave, Hillside	NJ
MYCALEX CORP OF AMERICA, 1, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
Mycalex Electronics Corp., 1	125 Clifton Blvd, Clifton	NJ
Networks Electronic Corp., 2-5	14806 Oxnard St, Van Nuys	Cal
PEK Labs., Inc., 1-2-4-5	4024 Transport St, Palo Alto	Cal
Pacific Universal Products Corp., 2	168 Vista Ave, Pasadena 8	Cal
Philadelphia Scientific Glass Co., 2	Quakertown	Pa
Quality Hermetics, Ltd., 2	45 Hollinger Rd, E. York, Toronto, Ontario	
Quality Products Co., 2-4-5	387 Charles St, Providence 4	RI
Radian Labs., Inc., 1	P.O. Box 454, Mineola	NY
Resitron Laboratories, Inc., 1-2-3-4-5	2908 Nebraska Ave, Santa Monica	Cal
Reuter-Stokes Electronic Components, Inc., 1-4	2149 Hamilton Ave, Cleveland 14	Ohio
Ross Co., Milton, 2-3	239 Jacksonville Rd, Hatboro	Pa
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sealtron Corp., 2	Reading Rd at Amity, Cincinnati 15	Ohio
SHAW INSTRUMENT CORP., 1-4, Adv Pg 527	**P. O. Box G-46, Latrobe**	**Pa**
Silicone Seals, Inc	3694 Milwaukee Ave, Chicago 41	Ill
Sinclair Mfg. Co., 2	Chartley	Mass
Sperti-Faraday, 1-2	722 Grand St, Hoboken	NJ
Sphere Co., Inc., The, 1	25 Amity St, Little Falls	NJ
Stonhard Co., Inc., 1-2-3	401 N. Broad St, Philadelphia 8	Pa
Strat-O-Seal Mfg. Co	3039 W. Fullerton Ave, Chicago 47	Ill
TED MFG. CO., 2, Adv Pg 117	**11415 Johnson Dr, Shawnee**	**Kan**
Telegraph Condenser Co., Ltd., 1	Wales Farm Rd, Acton London W. 3, England	
Transline Electronic Mfg. Co., 2	304 Mt. Pleasant Ave, Newark 4	NJ
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 1, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Twentieth Century Electronics, Ltd., Centronics Works, 1-2	King Henry's Dr, New Addington, Surrey	England
Uni-Seal, Inc., 2	477 North Ave, Garwood	NJ
United Aircraft Products Inc., 3	1116 Bolander Ave, Dayton 1	Ohio
Vactronic Lab. Equipment, Inc., 1-2-3	21 Monmouth Ct, East Northport	NY
Vitroseal Corp., 2	Vine & Race Sts, Ridgway	Pa
Warren Components Div., El-Tronics, 2	S. Irvine St, Warren	Pa
ZELL PRODUCTS CORP., 2, Adv. Pgs. 558, 559	**276-280 Main St, Norwalk**	**Conn**

SEALS —*MECHANICAL*
1. CARBON 2. OIL 3. SILICONE RUBBER 4. SWITCH & CONTROL SHAFT

A.P.M. CORP., 3-4, Adv Pg 507	**252 Hawthorne Ave, Yonkers 5**	**NY**
American Felt Co., 2-3	10 Glenville Rd, Glenville	Conn
Armstrong Cork Co., 2-3	Lancaster	Pa
Auburn Mfg. Co., The, 3	Pease Ave & Stack St, Middletown	Conn
Bacon Industries, Inc., 3	192 Pleasant St, Watertown 72	Mass
Barwood Mfg. Co., Inc., L. J., 2-3	22 Williams St, Everett 49	Mass
Becker Brothers Carbon Co., 1	3450 S. Laramie Ave, Cicero 50	Ill
Chicago-Allis Mfg. Co., 2-3	115 N. Green St, Chicago	Ill
Cleveland Graphite Bronze Div., Clevite, 1-2	17000 St. Clair Ave, Cleveland 10	Ohio
Connecticut Hard Rubber Co., 2-3	**407 East St, New Haven 9**	**Conn**
Daniels, Inc., C.R., 3	Daniels	Md
Deutsch Co., Electronic Components Div., 3	Municipal Airport, Banning	Cal
Emerson Plastics Corp., 2	1383 Seabury Ave, Bronx 61	NY
Felt Products Mfg. Co., 2-3	7450 N. McCormick Blvd, Skokie	Ill
General Gaskets, Inc., 3	Middletown	Conn
Goodrich, B.F. Sponge Products Div., 3	1 W. Plant 4, Shelton	Conn
GRAPHITE METALLIZING CORP., 1, Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Heldor Mfg. Corp., 3	238 Lewis St, Paterson	NJ
Insulating Fabricators, Inc., 3	150 Union Ave, East Rutherford	NJ
Joclin Mfg. Co., 2	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 1-2	22 E. 40 St, New York 16	NY
Kennametal Inc	Lloyd Ave, Latrobe	Pa
Kirkhill Rubber Co., 3	300 E. Cypress, Brea	Cal
Linear, Inc., 3	State Rd & Levick St, Philadelphia	Pa
Marblette Corp	37-21-30th St, Long Island City 1	NY
Minnesota Rubber Co., 2-3-4	3630 Wooddale Ave, Minneapolis	Minn
Minor Rubber Co., Inc., 2-3	49 Ackerman St, Bloomfield	NJ
Moxness Products Inc., 3	1916 Indiana St, Racine	Wisc
National Carbon Co., Div., UCC, 1	270 Park Ave, New York 17	NY
Ohio Carbon Co., 1	12508 Berea Rd, Cleveland 11	Ohio
Parker Seal Co., Div of Parker-Hannifin Corp., 2-3-4	10567 Jefferson Blvd, Culver City	Cal
RADIO FREQUENCY LABS., INC., 4, Adv Pg 116	**Boonton 2**	**NJ**
Rubbercraft Corp of California, 3	1800 W. 220 St, Torrance	Cal
St. Marys Carbon Co., 1-2	State Rd, St. Marys	Pa
Sealol Corp., 1-2-3-4	Warwick Industrial Park, Providence 5	RI
Servotronics, Inc., 2	190 Gruner Rd, Buffalo 25	NY
Sphere Co., Inc., The, 3	25 Amity St, Little Falls	NJ
Stackpole Carbon Co., 1-2	201 Stackpole St, St. Marys	Pa
Stalwart Rubber Co., 3	160 Northfield Rd, Bedford	Ohio
TORWICO ELECTRONICS, INC., 3, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
U.S. Graphite Co., Div., The Wickes Corp., 1-2	Saginaw 32	Mich

SELECTIVE CALLING APPARATUS See COMMUNICATION *SYSTEMS*

SELENIUM

ALLIED CHEMICAL CORP., BAKER & ADAMSON PRODS-GEN CHEM DIV., Adv Pg 57	**40 Rector St, New York**	**NY**
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
A.D. Mackay, Inc	198 Broadway, New York 38	NY

SELENIUM CELLS See CELLS —*PHOTOELECTRIC*
SELENIUM RECTIFIERS See RECTIFIERS
SELF-BALANCING BRIDGES See BRIDGES

SELF-BALANCING RECORDERS See RECORDERS –*GRAPHIC*
SELF-LOCKING NUTS See NUTS
SEMICONDUCTING INTERMETALLIC MATERIALS See CRYSTALS – *SEMICONDUCTOR:* INTERMETALLICS
SEMICONDUCTOR BOATS & CRUCIBLES See BOATS
SEMICONDUCTOR CRYSTALS See CRYSTALS –*SEMICONDUCTOR*
SEMICONDUCTOR DOPES See ALLOYS –*SPECIAL PURPOSE*
SEMICONDUCTOR PRODUCTION MACHINES See MACHINES – *SEMICONDUCTOR CRYSTAL PRODUCTION*
SERVICES See
BRAZING: CIRCUITS –*PRINTED WIRING: CUSTOM:* COMPUTING: DATA –*PROCESSING:* ELECTROFORMING: ENCAPSULATION: ENGRAVING & PROFILING: FREQUENCY CALIBRATION: FREQUENCY-MEASURING – *RADIO:* FUNGIPROOFING: HEAT-TREATING: LABORATORIES –*TESTING:* METAL BONDING: METALLIZING –*VACUUM:* MOISTUREPROOFING: PACKAGING: PLASTIC MOLDING: PLATING: SEALING –*HERMETIC:* SILK-SCREEN PROCESSING: SOLDERING: STANDARDS –*CALIBRATION:* SUBMINIATURIZATION: TECHNICAL WRITING: TINNING: TOWER SERVICE: WIRE-MARKING
SERVO ACTUATORS See ACTUATORS –*SERVO*
SERVO AMPLIFIERS See AMPLIFIERS –*INSTRUMENTATION:* AMPLIFIERS – *MAGNETIC*
SERVO ANALYZERS See ANALYZERS –*SERVO*
SERVO CONTROLS See CONTROLS –*SERVO*

SERVOMECHANISMS

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Aircraft Armaments, Inc	Cockeysville	Md
All American Engineering Co	Box 1247, DuPont Airport, Wilmington	Del
American Electronics, Inc., Instrument Div	9503 W. Jefferson Blvd, Culver City	Cal
Applied Dynamics, Inc	P.O. Box 2068, Ann Arbor	Mich
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Central Dynamics Ltd	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Control Data Corp., Cedar Engr. Div	501 Park Ave, Minneapolis 15	Minn
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Djeco, Div., Djordjevic Engrg Co	1933 N. Damen, Chicago 47	Ill
Dynex, Inc	123 Eileen Way, Syosset	NY
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
Fairchild Camera & Instrument Corp., Defense Prods., Div	Robbins Ln, Syosset	NY
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
General Aniline & Film Corp., Ansco Div	Vestal Pkwy E., Binghamton	NY
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Jordan Controls, Inc	3225 W. Hampton, Milwaukee 9	Wisc
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kinetic Instrument Corp	1070 Linwood St, Brooklyn 8	NY
Lear-Romec Div., Lear, Inc	Abbe Rd, Elyria	Ohio
MAGNETIC AMPLIFIERS, INC., Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Oilgear Co	1560 W. Pierce St, Milwaukee	Wisc
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Servo Corp of America	111 New South Rd, Hicksville	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Servotronics, Inc	190 Gruner Rd, Buffalo 25	NY
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Vactric Control Equipment Ltd	Sloane St, London SW1, England	
Vernitron Corp	136 Church St, New York 5	NY
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal

SERVO MOTORS See MOTORS
SERVO MULTIPLIERS See MULTIPLIERS –*COMPUTER*
SERVO REPEATERS See REPEATERS –*SERVO*
SERVOSYSTEM BREADBOARDS See BREADBOARDS –*SERVOSYSTEM*

SERVOSYSTEMS

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Advanced Research Associates, Inc	P.O. Box 68, Kensington	Md
American Measurement & Control, Inc	240 Calvary St, Waltham 54	Mass
Applied Dynamics, Inc	P.O. Box 2068, Ann Arbor	Mich
Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
BOWMAR INSTRUMENT CORP., Adv Pg 553	**8000 Bluffton Rd, Ft. Wayne**	**Ind**
Bulow Electric Co	11000 Capital Ave, Oak Park	Ill
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
Central Dynamics Ltd	147 Hymus Blvd, Pte. Claire, Quebec, Canada	
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Cook Technological Center	6401 Oakton St, Morton Grove	Ill
Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
Daystrom Inc., Military Electr. Div	Archbald	Pa
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Djordjevic Engrg Co	1933 N. Damen, Chicago 47	Ill
EPR Special Products Corp	675 Barbey St, Brooklyn	NY
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
Electric Tachometer Corp	68 & Upland Sts, Philadelphia	Pa
Electrodynamic Instrument Corp	1841 Old Spanish Trail, Houston 25	Tex
Fairchild Camera & Instrument Corp., Defense Prods., Div	Robbins Ln, Syosset	NY
Feedback Controls, Inc	8 Erie Dr, Natick	Mass
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Hoover Electric Co	2100 S. Stoner Ave, Los Angeles 25	Cal
Industrial Control Co	Central at Pinelawn, Farmingdale	NY
Insco Co., Div of Barry Controls, Inc	Hollis St, Groton	Mass
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Jordan Controls, Inc	3225 W. Hampton, Milwaukee 9	Wisc
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
MAGNETIC AMPLIFIERS, INC., Adv Pg 180	**632 Tinton Ave, New York 55**	**NY**
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Oilgear Co	1560 W. Pierce St, Milwaukee	Wisc
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Precision Mechanisms Corp	577 Newbridge Ave, East Meadow	NY
Radiation, Inc	Melbourne	Fla
Reeves Instrument Corp	Roosevelt Field, Garden City	NY
Research, Inc	P.O. Box 6164, Edina Br, Minnpls 24	Minn
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Servo Corp of America	111 New South Rd, Hicksville	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Servonics, Inc	822 N. Henry St, Alexandria	Va
Servotronics, Inc	190 Gruner Rd, Buffalo 25	NY
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal

SERVO TESTERS See TESTERS –*SERVO*
SERVO VALVES See VALVES –*SERVO*
SETUPS –*BENCH TEST* See BENCH TEST SETUPS
SHAFT COUPLINGS See COUPLINGS –*SHAFT*
SHAFT LOCKS See LOCKS –*SHAFT*
SHAFT POSITION ENCODERS See ENCODERS

SHAFTS –*FLEXIBLE*

Actuator Products, Div of Geartronics Corp	34 Nashua St, Woburn	Mass
Fairfield Engineering Corp	114 Manhattan St, Stamford	Conn
Hoover Electric Co	2100 S. Stoner Ave, Los Angeles 25	Cal
Johnson Co., E.F.	Waseca	Minn
Stewart Corp., F.W	4311 Ravenswood Ave, Chicago 13	Ill
Stow Mfg. Co	101 Shear St, Binghamton	NY
White Dental Mfg. Co., S.S.	10 E. 40 St, New York 16	NY

SHAKE TABLES See VIBRATORS *(SHAKE TABLES)*
SHAPED BEAM TUBES See TUBES –*CATHODE-RAY*
SHEET METAL See *METAL DESIRED*

SHELLS –*ENCAPSULATING, EPOXY*

Acme Wire Co	New Haven 14	Conn
CONTINENTAL-DIAMOND FIBRE CORP., Adv. Pgs. 205-208	**Newark 100**	**Del**
Electronic Service Corp	2906 Birch St, Franklin Park	Ill
EPOXY PRODUCTS, INC., Adv Pg 84	**137 Colt St, Irvington**	**NJ**
Franklin Fibre Lamitex Corp	P.O. Box 1768, Wilmington	Del
Green Rectifier Co	1-10 30th St, Fair Lawn	NJ
J-B Electronics Inc	2340 E. Elvira Rd, Tucson	Ariz
Marblette Corp	37-21-30th St, Long Island City 1	NY
Plastronic Engineering Co	721 Boston Post Rd, Marlborough	Mass
RESDEL CORP., Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa

SHELLS –*METAL* See CANS

SHELTERS –*ELECTRONIC EQUIPMENT, AIR-TRANSPORTABLE*

Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Craig Systems, Inc	360 Merrimack, Lawrence	Mass
Daniels, Inc., C.R.	Daniels	Md
Gramm Trailer Corp	425 E. O'Conner Ave, Lima	Ohio
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
REF Mfg. Co	Jericho Tnpk, Mineola	NY
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
Wickes Engineering & Construction Co	12th St & Ferry Ave, Camden 4	NJ
York-Hoover Corp	York	Pa

SHIELDED CABLES See CABLES –*SHIELDED*
SHIELDED ENCLOSURES & SCREEN ROOMS See CHAMBERS – *ENVIRONMENTAL TEST*
SHIELDED SHIPPING BOXES See BOXES –*SHIPPING*
SHIELDED WIRE See WIRE

SHIELDING

1. ELECTROSTATIC, METAL SHEET OR SCREEN 2. MAGNETIC, FERRITE 3. MAGNETIC, SHEETS OR STRIPS 4. MAGNETIC, CANS OR HOUSINGS 5. NUCLEAR RADIATION 6. WIRE, BRAIDED (Incl. IGNITION)

A-K Mfg. Co., Inc., 6	111 S. Northwest Hwy, Barrington	Ill
ABALON PRECISION MFG. CORP., 4, Adv Pg 450	**540 Casanova St, New York 59**	**NY**
Ace Engineering & Machine Co., Inc., 1	Tomlinson Rd, Huntingdon Valley	Pa
Aero-Marine Development Corp., 6	110 Summit Ave, Chatham	NJ
Airtron, Div of Litton Industries, 6	200 E. Hanover Ave, Morris Plains	NJ
Alpha Metals, Inc., 5	600 Water St, Jersey City	NJ
ALPHA WIRE CORP., 6, Adv Pg 266	**200 Varick St, New York 14**	**NY**
Alpitec Inc., 1	49 Gleason Ave, Stamford	Conn
American Electric Cable Co., 6	183 Appleton St, Holyoke	Mass
American Smelting & Refining Co., 5	120 Broadway, New York 5	NY
Atomic Accessories Inc., 5	811 W. Merrick Rd, Valley Stream	NY
BAIRD-ATOMIC, INC., 5, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bar-Ray Products, Inc., 5	213 25 St, Brooklyn 32	NY

Belmont Smelting & Refining Works, 1-5	322 Belmont Ave, Brooklyn 7	NY
BIRNBACH RADIO CO., INC., 6, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Braun Tool & Instrument Co., Inc., H, 1	140 Fifth Ave, Hawthorne	NJ
Breeze Corps., Inc., 6	700 Liberty Ave, Union	NJ
Brooks & Perkins, Inc., 5	1950 W. Fort St, Detroit 16	Mich
Controlled Atmosphere Enclosures Mfg. Co., 5	1061 E. 8th St, Jacksonville 6	Fla
Cook Electric Co., 5	2700 Southport Ave, Chicago 14	Ill
Co-Operative Industries, Inc., 6	100 Oakdale Rd, Chester	NJ
Division Lead Co., 5	7742 W. 61st Pl, Summit	Ill
Electronic Transformer Co., 4	70 Washington St, Brooklyn 1	NY
Emerson & Cuming, Inc., 1-5	869 Washington St, Canton	Mass
Fansteel Metallurgical Corp., 5	2200 Sheridan, N. Chicago	Ill
FERROXCUBE CORP OF AMERICA, 2, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
Firth Sterling, Inc., 5	3115 Forbes Ave, Pittsburgh	Pa
Goat Co., Inc., Fred, 1	308 Dean St, Brooklyn 17	NY
Hallett Mfg. Co., 4-6	5910 Bowcroft St, Los Angeles	Cal
Hamilton Watch Co., Precision Metals Div., 3	Lancaster	Pa
Heldor Mfg. Corp., 4	238 Lewis St, Paterson	NJ
Henry & Miller Industries, Inc., 4	675 Garfield Ave, Jersey City 5	NJ
HUDSON TOOL & DIE CO., INC., 4, Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
Instrument Specialties Co., Inc., 1	254 Bergen Blvd, Little Falls	NJ
Jan Hardware Mfg. Co., Inc., 4	38-01 Queens Blvd, Long Island City 1	NY
Kling Metal Spinning Co., 4	247 Centre St, New York	NY
Kulite Tungsten Corp., 5	1040 Hoyt Ave, Ridgefield	NJ
Kupfrian Mfg. Corp., 6	398 State St, Binghamton	NY
Long, Inc., Thomas J., 5	215 Stonehinge Ln, Carle Place	NY
Magnetic Metals Co., 4	Hayes Ave at 21 St, Camden	NJ
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1-2-3-4-6, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MAGNETICS, INC., 4, Adv Pg 323	**Butler**	**Pa**
Metal Textile Corp., Div of General Cable Corp., 1	647 E. First Ave, Roselle	NJ
Millen Mfg. Co., James, 4	150 Exchange St, Malden	Mass
Minicord Corp of America, 2-3-4	1913 Atlantic Ave, Atlantic City	NJ
Montgomery Co., 6	20 Canal Bank, Windsor Locks	Conn
National Lead Co., 5	111 Broadway, New York 6	NY
Newark Wire Cloth Co., 1	353 Verona Ave, Newark	NJ
New England Electrical Works, Inc., 6	365 Main St, Lisbon	NH
Northern Metal Products Co., 4	9597 W. Grand, Franklin Park	Ill
Norton Co., 5	1 New Bond St, Worcester 6	Mass
Nuclear Chicago Corporation, 5	333 E. Howard St, Des Plaines	Ill
Ohmart Corp., 5	2236 Bogen St, Cincinnati	Ohio
Olympic Products Co., Inc., 4	Third Ave, Alpha	NJ
Panelyte Div., St. Regis Paper Co., 5	N. Enterprise Ave, Trenton 8	NJ
Paul & Beekman, Inc., 4	1801 Courtland St, Philadelphia 40	Pa
Permacel Tape Corp., 1	U.S. Hwy 1, New Brunswick	NJ
Permali, Inc., 5	P.O. Box 718E, Mt. Pleasant	Pa
Picker X Ray Corp., 5	25 S. Broadway, White Plains	NY
POLYMER CORP., 3, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Radiation Instrument Development Labs., 5	5737 S. Halsted St, Chicago 36	Ill
Ray Proof Corp., 5	843 Canal St, Stamford	Conn
Repath Pacific Div., Arnold Engineering Co	641 E. 61 St, Los Angeles 1	Cal
Rimak, Inc., 1-2-3-4	10929 Vanowen St, N. Hollywood	Cal
Ross Co., Milton, 4	239 Jacksonville Rd, Hatboro	Pa
Schuyler Mfg. Corp., 1-5	84 Porete Ave, North Arlington	NJ
SHIELDING, INC., 1, Adv Pg 357	**P. O. Box 10, Riverton**	**NJ**
Sphere Co., Inc., The, 4	25 Amity St, Little Falls	NJ
Technical Wire Products, Inc., 1-6	48 Brown Ave, Springfield	NJ
Topatron, Inc., 1-4-5	942 E. Ojai Ave, Ojai	Cal
Tracerlab, Inc., 5	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp., 5	801 N. Lake St, Burbank	Cal
WESTINGHOUSE ELECTRIC CORP., 5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
ZIPPERTUBING CO., 1-2-3-5-6, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

SHIELDS —*COIL*

CAMBRIDGE THERMIONIC CORP., Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Coilcraft, Inc	Cary	Ill
Hallet Mfg. Co	5910 Bowcroft St, Los Angeles	Cal
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MAGNETICS, INC., Adv Pg 323	**Butler**	**Pa**
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Olympic Products Co., Inc	Third Ave, Alpha	NJ
Paul & Beekman, Inc	1801 Courtland St, Philadelphia 40	Pa
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY

SHIELDS —*LAMP, PANEL PILOT & DIAL*

CIRCON COMPONENT CORP., Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Kling Metal Spinning Co	247 Centre St, New York	NY
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Paul & Beekman, Inc	1801 Courtland St, Philadelphia 40	Pa
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Smith, Inc., Herman H.	2326 Nostrand Ave, Brooklyn 10	NY
Staver Co., Inc	41 N. Saxon Ave, Bay Shore	NY
UCINITE CO., DIV., UCC, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**

SHIELDS —*LEAD* See SHIELDING —*NUCLEAR RADIATION*

SHIELDS —*TRANSFORMER*

Coilcraft, Inc	Cary	Ill
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
HUDSON TOOL & DIE CO., INC., Adv Pg 47	**18 Malvern St, Newark 6**	**NJ**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jan Hardware Mfg. Co., Inc	38-01 Queens Blvd, Long Island City 1	NY
Kling Metal Spinning Co	247 Centre St, New York	NY
Long, Inc., Thomas J.	215 Stonehinge Ln, Carle Place	NY
Magnetic Metals Co	Hayes Ave at 21 St, Camden	NJ
MAGNETIC SHIELD DIV., PERFECTION MICA CO., Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MAGNETICS, INC., Adv Pg 323	**Butler**	**Pa**
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Olympic Products Co., Inc	Third Ave, Alpha	NJ
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Sphere Co., Inc., The	25 Amity St, Little Falls	NJ

SHIELDS —*TUBE*
1. CATHODE-RAY TUBE, INSULATING 2. CATHODE-RAY TUBE MAGNETIC 3. ELECTROSTATIC 4. HEAT-DISSIPATING

Atlee Components, Inc., 4	8220 Lankershim Blvd, N. Hollywood	Cal
ATLEE CORP., 4, Adv Pg 507	**47 Prospect St, Woburn**	**Mass**
AUGAT BROS, INC., 4, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
BAIRD-ATOMIC, INC., 2, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
BIRTCHER CORP., 4, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 2	750 Bloomfield Ave, Clifton	NJ
Eby Co., Hugh H., 4	4701 Germantown Ave, Philadelphia 44	Pa
Elco Corp., 3-4	M St Below Erie Ave, Philadelphia 24	Pa
Goat Co., Inc., Fred, 1-3-4	308 Dean St, Brooklyn 17	NY
Henry & Miller Industries, Inc., 1-2-3-4	675 Garfield Ave, Jersey City 5	NJ
International Electronic Research Corp., 3-4	135 W. Magnolia Blvd, Burbank	Cal
Jan Hardware Mfg. Co., Inc., 2-3-4	38-01 Queens Blvd, Long Island City 1	NY
Long, Inc., Thomas J., 1-2-3	215 Stonehinge Ln, Carle Place	NY
Magnetic Metals Co., 2	Hayes Ave at 21 St, Camden	NJ
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1-2-3, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MAGNETICS, INC., 1-2, Adv Pg 323	**Butler**	**Pa**
Metal Textile Corp., Div of General Cable Corp., 4	647 E. First Ave, Roselle	NJ
METHODE MFG. CORP., 4, Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
Millen Mfg. Co., James, 2-3	150 Exchange St, Malden	Mass
Miller Co., L. C., 4	5005 E. Slauson Ave, L A 22	Cal
Repath Pacific Div., Arnold Engineering Co., 2	641 E. 61 St, Los Angeles 1	Cal
Rimak, Inc., 1-2-3	10929 Vanowen St, N. Hollywood	Cal
Schuyler Mfg. Corp., 4	84 Porete Ave, North Arlington	NJ
Staver Co., Inc., 3-4	41 N. Saxon Ave, Bay Shore	NY
Technical Wire Products, Inc., 4	48 Brown Ave, Springfield	NJ
Trought Associates, Inc., 4	116 Greylock Ave, Belleville	NJ
WATERMAN PRODUCTS CO., INC., 2, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
ZIPPERTUBING CO., 3-4, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

SHIFTERS —*PHASE*
1. A-F 2. R-F 3. MICROWAVE

ACTON LABS, INC., 1-2, Adv Pg 222	**533 Main St, Acton**	**Mass**
Aircom, Inc., 3	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries, 3	200 E. Hanover Ave, Morris Plains	NJ
AMERICAN ELECTRONIC LABS., INC., 3, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
AUTOMATIC METAL PRODUCS CORP., 2-3, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Barker & Williamson, 1	Canal & Beaver Sts, Bristol	Pa
Bogart Mfg. Corp., 2-3	315 Seigel St, Brooklyn 6	NY
Canoga Div., Underwood Corp., 3	15330 Oxnard St, Van Nuys	Cal
Caswell Electronics Corp., 3	414 Queens Ln, San Jose 12	Cal
Chadwick Helmuth Co., 1	472 E. Duarte Rd, Monrovia	Cal
CONTROL ELECTRONICS CO., INC., 1-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, 3, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Device Development Corp., 1	428 Boston Post Rd, Weston 93	Mass
Diamond Antenna & Microwave Corp., 2-3	River St, Winchester	Mass
Diehl Mfg. Co	1129 Finderne Ave, Somerville	NJ
Dielectric Products Engrg Co., Inc., 2	Raymond	Me
DOUGLAS MICROWAVE CO., INC., 3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dytronics, 1-2	P.O. Box 3676, Columbus 14	Ohio
FXR, INC., 2-3, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FERROTEC, INC., 3, Adv Pg 514	**217 California St, Newton 58**	**Mass**
General Electric Co., Heavy Military Electronics Dept., 2	Court St, Syracuse	NY
Gombos Co., Inc., John, 3	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co., 3	333 Adelaide Ave, Providence 7	RI
Grason-Stadler Corp., 1	Electronics Park, West Concord	Mass
HALLICRAFTERS CO., 2-3, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hughes Microwave Components Div., 3	Florence & Teale, Culver City	Cal
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Instrument Systems Corp., 3	129-07 18th Ave, College Point 56	NY
Jampro Antenna Co., 2	7500 14th Ave, Sacramento	Cal
KEARFOTT DIV., GEN PRECISION, INC., 3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knopp, Inc., 1-2	1307 66 St, Oakland 8	Cal
Melabs, 3	3300 Hillview Ave, Palo Alto	Cal
Merrimac Research & Development, Inc., 3	517 Lyons Ave, Irvington	NJ
MICROLAB, 2-3, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 2-3	Box 1166, Greenwich	Conn
Microtech, Inc., 3	Millbale Rd, Cheshire	Conn
Microwave Corp. of America, 2-3	P.O. Box 278, Stamford	Conn
Microwave Electronic Tube Co., Inc., 2-3	76 Lafayette St, Salem	Mass
Millen Mfg. Co., James, 1	150 Exchange St, Malden	Mass
N.R.K. Mfg. & Engineering Co., 3	4601 W. Addison St, Chicago 41	Ill
Nilsen Mfg. Co., 1-2	22 N. Church, Addison	Ill
Omega Laboratories, Inc., 3	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., 3, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 3	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 3, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp., 2-3	23999 Ventrua Blvd, Calabasas	Cal
Rimak, Inc., 3	10929 Vanowen St, N. Hollywood	Cal
Sage Laboratories, Inc., 3	3 Huron Dr, Natick	Mass
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Staver Co., Inc., 1-2	41 N. Saxon Ave, Bay Shore	NY
TECHNOLOGY INSTRUMENT CORP., 1, Adv Pg 223	**533 Main St, Acton**	**Mass**
Transonic, Inc., 1	808 16th St, Bakersfield	Cal
TURBO MACHINE CO., 3, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec., 3	Balch St, Beverly	Mass
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Waveline, Inc., 3	P.O. Box 718, Caldwell	NJ
ZIPPERTUBING CO., 1-2, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

SHIFT REGISTERS See REGISTERS —*SHIFT*
SHIPPING BOXES See BOXES

SHIPPING CONTAINERS See **PACKAGING MATERIALS** –*CONTAINERS*
SHOCK MOUNTS See **MOUNTS** –*VIBRATION & SHOCK*
SHOCK RECORDERS See **RECORDERS** –*SHOCK*
SHOCK-TESTING MACHINES See **MACHINES** –*SHOCK-TESTING*
SHOCK-THERAPY EQUIPMENT See **ELECTROSHOCK THERAPY EQUIPMENT**

SHORAN SYSTEMS

Moran Instrument Corp	170 E. Orange Grove Ave, Pasadena 3	Cal
Nilsen Mfg. Co	22 N. Church, Addison	Ill

SHORTED-TURN INDICATORS See **INDICATORS** –*SHORTED-TURN*
SHORTS –*WAVEGUIDE, MOVABLE* See **TUNERS** –*MICROWAVE*
SHORT-WAVE CONVERTERS See **CONVERTERS** –*SIGNAL*

SHUNTS –*METER*

HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
JANCO CORP., Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
National Electronics	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co	238 Main St, Cambridge 42	Mass
Precision Resistor Co	109 US Hwy 22, Hillside 5	NJ
Ram Meter, Inc	1100 Hilton Rd, Detroit 20	Mich
Sangamo Electric Co	1201 N. 11 St, Springfield	Ill
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Wac Line, Inc.	35 S. St. Clair St, Dayton 2	Ohio

SHUTTERS –*KERR CELL*

Microwave Associates, Inc	Burlington	Mass

SIGNAL CONVERTERS See **CONVERTERS** –*SIGNAL*
SIGNAL GENERATOR See **GENERATORS** –*SIGNAL*
SIGNAL LAMPS See **LAMPS**
SIGNAL TRACERS See **TESTERS** –*SIGNAL-TRACING*
SILICA –*FUSED* See **QUARTZ** –*FUSED*

SILICON
1. FINISHED PARTS (EXCEPT SEMICONDUCTOR DEVICES) 2. RAW MATERIAL (NOT CRYSTAL)

Aceto Chemical Co., Inc., 2	40-40 Lawrence St, Flushing 54	NY
ALLEGHENY ELECTRONIC CHEMICALS CO., 1, Adv Pg 4^3	**207 Hooker-Fulton Bldg, Bradford**	**Pa**
Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
Applied Dynamics, Inc., 1-2-3-4	P.O. Box 2068, Ann Arbor	Mich
Barnes Engineering Co., 1	30 Commerce Rd, Stamford	Conn
Bausch & Lomb, 1	61461 Bausch St, Rochester 2	NY
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 2	820 65 Ave, Philadelphia 26	Pa
Delta Chemical Works, 2	21 W. 60th St, New York	NY
du Pont de Nemours & Co., Inc., E.I., 2	Wilmington 98	Del
Foote Mineral Co., 1	452 W. Chelten Bldg, Philadelphia 44	Pa
General Components Co., 1	225-229 E. 144th, New York 51	NY
GRACE ELECTRONIC CHEMICALS, INC., 2, Adv Pg 528	**101 N. Charles St, Baltimore 1**	**Md**
Harmon Lichtenstein & Co., 2	26 Broadway, New York 4	NY
Knapic Electro-Physics, Inc., 1	936 Industrial Ave, Palo Alto	Cal
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works, 2	Second & Mallinckrodt Sts, St. Louis 7	Mo
Monsanto Chemical Co., Electronic Chemical Project, 1-2	800 N. Lindbergh Blvd, St. Louis 66	Mo
Porter Co., Wm., 1	1007 Sante Fe Ave, Los Angeles	Cal
Semi-Alloys, Inc., 1	550 S. Fulton Ave, Mt. Vernon	NY
Semimetals, Inc., 1	133-22 91st Ave, Richmond Hill 18	NY
Stalwart Rubber Co., 1	160 Northfield Rd, Bedford	Ohio
Standard Telephones & Cables, Ltd., 2	63 Aldwych, London W. C. 2	England
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 2, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Trancoa Chemical Corp., 2	312-326 Ash St, Reading	Mass
Union Carbide Metals Co., Div., UCC, 2	270 Park Ave, New York 17	NY
United Mineral & Chemical Corp., 2	16 Hudson St, New York 13	NY
VALPEY CRYSTAL CORP., 1, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Var-Lac-Oid Chemical Co., 2	116 Broad St, New York 4	NY
Zenith Optical Laboratory, 1	1940 Great Neck Rd, Copiague	NY

SILICON CARBIDE

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Delta Chemical Works	21 W. 60th St, New York	NY
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Norton Co	1 New Bond St, Worcester 6	Mass
SEMI-ELEMENTS, INC., Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

SILICON CRYSTALS See **CRYSTALS** –*SEMICONDUCTOR*
SILICON DIODES See **DIODES** –*CRYSTAL*
SILICONE ADHESIVES See **ADHESIVES**
SILICONE LAMINATES See **LAMINATES** –*COPPER-CLAD*
SILICONE RESISTORS See **RESISTORS** –*SILICONE*
SILICONE RUBBER See **RUBBER**

SILICONES
1. ADHESIVES 2. FINISHED PARTS 3. GREASES 4. MOLDING COMPOUNDS 5. OILS 6. RESINS See Also **LAMINATES: PLASTICS: RUBBER**

Acme Wire Co., 3	New Haven 14	Conn
Amerconda Chemical Co., 1	170 Broadway, New York 38	NY
Auburn Mfg. Co., The, 2	Pease Ave & Stack St, Middletown	Conn
Bacon Industries, Inc., 2	192 Pleasant St, Watertown 72	Mass
Barco Chemical Products Co., 4	701-703 S. La Salle, Chicago 5	Ill
Barwood Mfg. Co., Inc., L. J., 2	22 Williams St, Everett 49	Mass
Chemtronics Inc., 1-3-4-5-6	870 E. 52nd St, Brooklyn 3	NY
Coast Pro-Seal & Mfg. Co., 4	2235 Beverly Blvd, Los Angeles 57	Cal
Connecticut Hard Rubber Co., 1-2	407 East St, New Haven 9	Conn
Delta Chemical Works, 4	21 W. 60th St, New York	NY
DOW CORNING CORP., 1-3-4-5-6, Adv. Pgs. 238, 239	**Midland**	**Mich**
Ed-Berl Products, Inc., 3-4-5-6	96 S. Grand Ave, Baldwin	NY
Felt Products Mfg. Co., 2	7450 N. McCormick Blvd, Skokie	Ill
Franklin Fibre Lamitex Corp., 2	P.O. Box 1768, Wilmington	Del
G-C ELECTRONICS CO., 3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Electric Co., Silicone Prods Dept., 1-3-4-5-6	Dept A, Waterford	NY
Insulating Fabricators, Inc., 2	150 Union Ave, East Rutherford	NJ
Insulation Manufacturers Corp., 1-2-3-4-6	565 W. Washington Blvd, Chicago 6	Ill
Isochem Resins Co., 3-5-6	221 Oak St, Providence 9	RI
Isolantite Mfg. Corp., 2	Stirling	NJ
Johns-Manville, 1-2	22 E. 40 St, New York 16	NY
Kirkhill Rubber Co., 2	300 E. Cypress, Brea	Cal
Melpar, Inc., 6	3000 Arlington Blvd, Falls Church	Va
Metachem Resins Corp., 1-6	530 Wellington Ave, Cranston 10	RI
Minor Rubber Co., Inc., 2-4	49 Ackerman St, Bloomfield	NJ
Mitronics, Inc., 2	1290 Central Ave, Hillside	NJ
Moxness Products, Inc., 2	1916 Indiana St, Racine	Wisc
National Engineering Products, Inc., 3	435 Washington Bldg, Washington 5	DC
Pelmor Laboratories, Inc., 2	401 Lafayette St, Newtown	Pa
Products Research Co., 1-4	3126 Los Feliz Blvd, Los Angeles 39	Cal
Raybestos-Manhattan, Inc., 2	61 Willett St, Passaic	NJ
Republic Lens Co., Inc., 2	31 E. 169th St, New York 52	NY
Rubbercraft Corp of California, 2	1800 W. 220 St, Torrance	Cal
Sierra Engineering Co., 2	123 E. Montecito, Sierra Madre	Cal
Silicones Div., UCC, 3-4-5-6	270 Park Ave, New York 17	NY
Stalwart Rubber Co., 4	160 Northfield Rd, Bedford	Ohio
Stevens Products, Inc., 2	86-88 Main St, East Orange	NJ
SYNTHANE CORP., 2, Adv Pg 35	**Oaks**	**Pa**

SILICON RECTIFIERS See **RECTIFIERS**
SILICON TRANSISTORS See **TRANSISTORS**
SILK-SCREEN PRINTERS See **MACHINES** –*PRINTED-CIRCUIT PRODUCTION*

SILK-SCREEN PROCESSING SERVICES

Apahouser Corp	1312 Boylston St, Boston	Mass
Chicago Dial Co	1315 N. North Branch St, Chicago	Ill
Croname, Inc	6247 Howard St, Chicago 48	Ill
Dry Screen Process, Inc	1016 Madison Ave, Pittsburgh 12	Pa
Duralith Corp	1025 Race St, Phiadelphia 7	Pa
Farwell Metal Fabricating	87 W. Fairfield Ave, St. Paul 7	Minn
General Components Co	225-229 E. 144th, New York 51	NY
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Industrial Engravers, Inc	2212 McDonald Ave, Brooklyn 23	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc	80-08 45th Ave, Elmhurst 73	NY
Naz-Dar Co	465 Milwaukee Ave, Chicago 10	Ill
Production Process Screen Co., Inc	16-18 S. Marshall St, Philadelphia 6	Pa
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Screen Process Labs	5-33 48th Ave, Long Island City	NY
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Zero Mfg. Co	1121 Chestnut St, Burbank 71	Cal

SILK SCREENS See **SCREENS**

SILVER
1. ALLOYS & COMPOUNDS 2. FINISHED SILVER PARTS 3. SHEETS, BARS & RODS-TUBING See **TUBING** –*METALLIC-WIRE* See **WIRE** –*BARE*

Accurate Specialties Co., Inc., 1-2	37-11 57 St, Woodside 77	NY
AIRFLYTE ELECTRONICS CO., 2, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
All-State Welding Alloys Co., Inc., 1	249 Ferris Ave, White Plains	NY
Alloys Unlimited, Inc., 1-2-3	21-03 43rd Ave, Long Island City 1	NY
American Brazing Alloys Corp., 1-3	P.O. Box 11, Pelham	NY
American Silver Co., Inc., 1-3	36-07 Prince St, Flushing 54	NY
American Smelting & Refining Co., 3	120 Broadway, New York 5	NY
Anchor Metal Co., The, 1-2-3	966 Meeker Ave, Brooklyn 22	NY
Attleboro Refining Co., Inc., 3	152 Union St, Attleboro	Mass
Autoscrew Co., Inc., 2	216-222 W. 18th St, New York 11	NY
Belmont Smelting & Refining Works, 1	332 Belmont Ave, Brooklyn 7	NY
BIRTCHER CORP., 2, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Brainin Corp., C.S., 1-2-3	320 Washington St, Mt. Vernon	NY
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Braun Tool & Instrument Co., Inc., H, 2	140 Fifth Ave, Hawthorne	NJ
City Chemical Corp., 1	132 W. 22nd St, New York 11	NY
Composite Industrial Metals, Inc., 1-2-3	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd., 1-3	215 St. James St W., Montreal, Canada	
CONSOLIDATED REACTIVE METALS, INC., 1-3, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Cox Mfg. Co., 2	807 Fredericksburg Rd, San Antonio 1	Tex
Dalweld Co., Inc., 1-3	11 Bertel Ave, Mt. Vernon	NY
Deringer Metallurgical Corp., 2	8131 N. Monticello Ave, Skokie	Ill
Division Lead Co., 1	7742 W. 61st Pl, Summit	Ill
Eastern Smelting & Refining Corp., 3	107-109 W. Brookline St, Boston 18	Mass
Engelhard Industries, Inc., 1	113 Astor St, Newark 2	NJ
Fidelity Chemical Products Corp., 2	472 Frelinghuysen Ave, Newark	NJ
General Components Co., 2	225-229 E. 144th, New York 51	NY
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 2, Adv Pg 530	**Attleboro**	**Mass**
GIBSON ELECTRIC CO., 1-2-3, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Goldsmith Bros Div., National Lead Co., 1-2-3	900 W. 18th St, Chicago 8	Ill
HANDY & HARMAN, 1-3, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Horton-Angell Co., 1-2-3	27 Bicknell St, Attleboro	Mass
Improved Seamless Wire Co., 3	775 Eddy St, Providence 5	RI
Johnson Matthey & Mallory Ltd., 1-2-3	110 Industry St, Toronto, Ontario, Canada	
Jones Electronics, Hiram, 2	2313 W. Olive Ave, Burbank	Cal
Jones & Roy Co., 2	620 Commercial Ave, Covina	Cal
Kling Metal Spinning Co., 2	247 Centre St, New York	NY
LEACH & GARNER CO., INDUSTRIAL DIV., 1-3, Adv Pg 531	**Attleboro**	**Mass**
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works, 1	Second & Mallinckrodt Sts, St. Louis 7	Mo
Mallory & Co., Inc., P.R., 1-2	34 S. Gray St, Indianapolis 6	Ind
Metz Refining Co., 1-3	369 Mulberry St, Newark 2	NJ
Micro-Circuits Co., 1	New Buffalo	Mich
NEY CO., J.M., 1-2, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Precision Stampings, Inc., 2	142 Fulton Ave, New Hyde Park	NY
Sel-Rex Corp., 1	75 River Rd, Nutley 10	NJ
Semi-Alloys, Inc., 1-2-3	550 S. Fulton Ave, Mt. Vernon	NY
SEMI-ELEMENTS, INC., 1, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Standard Metals Corp., 1-2-3	Broad & Whiting St, North Attleboro	Mass

Superior Carbon Products Co., 1	9115 George Ave, Cleveland 5	Ohio
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 1-2-3, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Tricon Mfg. Co., 2	8012 S. Wallace St, Chicago 20	Ill
Var-Lac-Oid Chemical Co., 1-2-3	116 Broad St, New York 4	NY
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 1-3	525 Harbor Blvd, Belmont	Cal
Wildberg Bros Smelting & Refining Co., 1-3	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc., 1-2-3	2978 Main St, Buffalo 14	NY

SILVER-CELL BATTERIES See BATTERIES
SILVER PLATING See PLATING SERVICES
SILVER SOLDER See SOLDER

SIMULATORS
1. FLIGHT 2. NUCLEAR REACTOR 3. PROCESS CONTROL 4. RADAR TARGET

ACF Electronics Div., 1-4	Riverdale	Md
A R & D A, 1-3	135 Main St, Belleville 9	NJ
Aircraft Armaments, Inc., 1-4	Cockeysville	Md
Andersen Laboratories, Inc., 4	501 New Park Ave, West Hartford	Conn
APPLIED ELECTRONICS CORP OF N.J., 3, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Avtron Mfg. Inc., 2	10409 Meech St, Cleveland	Ohio
BECKMAN/BERKELEY DIV., 2, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bell Aircraft Corp., 1-4	P.O. Box 1, Buffalo 5	NY
Belock Instrument Corp., 1	112-03 14 Ave, College Point	NY
Bendix Aviation Corp., Computer Div., 1	5630 Arbor Vitae St, L A 45	Cal
Bendix Aviation Corp., York Div	York	Pa
Bendix-Pacific Div., Bendix Aviation, 4	11600 Sherman Way, North Hollywood	Cal
Boonshaft & Fuchs, Inc., 3	Huntingdon Valley	Pa
California Tech Ind Div., Textron Inc., 1	1421 Old County Rd, Belmont	Cal
Canadian Aviation Electronics Ltd., 1-4	6214 Cote de Liesse Rd, Montreal 9, Canada	
Chicago Aerial Industries, 1	1980 N. Hawthorne, Melrose Park	Ill
CompuDyne Corp., 1-3	400 S. Warminster Rd, Hatboro	Pa
Computer Systems, Inc., 1-2-3-4	611 Broadway, New York 12	NY
Computing Devices of Canada, Ltd., 1	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Avionics Corp., 1-4	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 4, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cook Technological Center, 4	6401 Oakton St, Morton Grove	Ill
CURTISS-WRIGHT, ELECTRONICS DIV., 1-2-3-4, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Dalmo Victor Co., Div., Textron, Inc., 4	1515 Industrial Way, Belmont	Cal
Donner Scientific Co., 1-2-3-4	888 Galindo St, Concord	Cal
DYMEC, DIV., HEWLETT-PACKARD CO., 4, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
EPR Special Products Corp., 1	675 Barbey St, Brooklyn	NY
Electronic Associates, Inc., 2-3-4	Long Branch	NJ
Emerson Electric Mfg. Co., 4	8100 Florissant Ave, St. Louis 36	Mo
Epsco, Inc., Systems Div., 3	275 Massachusetts Ave, Cambridge 39	Mass
Evershed & Vignoles Ltd., 3	Chiswick, London W. 4, England	
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-4	Robbins Ln, Syosset	NY
Feedback Controls, Inc., 1-3	8 Erie Dr, Natick	Mass
Goodyear Aircraft Corp., 1-4	1210 Massillon Rd, Akron 15	Ohio
HRB-SINGER, INC., 4, Adv Pg 493	**Science Park, State College**	**Pa**
HALLICRAFTERS CO., 4, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., 4, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Huyck Systems Co., 4	360 Wolf Hill Rd, Huntington Sta	NY
ITT Federal Div., ITT, 1-4	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp., 3-4	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 4	1079 Commonwealth, Boston 15	Mass
Leeds & Northrup Co., 2	4970 Stenton Ave, Philadelphia 44	Pa
Link Div., Gen Precision, Inc., 1-2-3-4	Nowlan Rd, Hillcrest, Binghamton	NY
Marquardt Corp., Pomona Div., 1-4	2709 N. Garey Ave, Pomona	Cal
Mast Development Co., Inc., 1	2212 E. 12th St, Davenport 20	Iowa
Melpar, Inc., 1-4	3000 Arlington Blvd, Falls Church	Va
Minn-Honeywell, Aeronautical Div., 1	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Industrial Div., 2	Wayne & Windrim, Philadelphia 44	Pa
Missouri Research Labs., Inc., 4	2109 Locust St, St. Louis 3	Mo
New London Instrument Co., 4	P.O. Box 189, New London	Conn
Newton Co., 4	55 Elm St, Manchester	Conn
Nippon Electric Co., Ltd., 1-2-3	Shiba-Mita, Tokyo, Japan	
Otis Elevator Co., 4	35 Ryerson St, Brooklyn 5	NY
Packard Bell Computer Corp., 1-2-3-4	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 1-3-4, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Par Products Corp., 1	602 Colorado Ave, Santa Monica	Cal
Pitometer Log Corp., 4	237 Lafayette St, New York 12	NY
REF Mfg. Co., 3	Jericho Trnpk, Mineola	NY
Radiation, Inc., 1	Melbourne	Fla
Redifon, Ltd., 1-4	Broomhill Rd, Wandsworth, London SW 18	England
REFLECTONE ELECTRONICS, INC., 3-4, Adv Pg 240	**Post Rd & Myano Ln, Stamford**	**Conn**
Remanco, Inc., 4	1805 Colorado, Santa Monica	Cal
Rodale Electronics, 4	562 Grand Blvd, Westbury	NY
Rucker Co., The, 1	4700 San Pablo Ave, Oakland 8	Cal
Servonics, Inc., 1-4	822 N. Henry St, Alexandria	Va
Singer Mfg. Co., Military Products Div., 4	149 Broadway, New York 3	NY
Solartron, Inc., 2-4	1742 S. Zeyn St, Anaheim	Cal
SPERRY MICROWAVE ELECTRONICS CO., 4, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sylvania Electronic Systems, 1-4	63 Second Ave, Waltham	Mass
Thermo Electric Co., 3	Rochelle Park P.O., Saddle Brook	NJ
Thermovolt Instruments, Ltd., 3	70 Advance Rd, Toronto 18, Ontario, Canada	
Transdyne Corp., 1-2-3-4	43 Albertson Ave, Albertson	NY
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Washington Aluminum Co., Inc., 1	Pa R R & Knecht Ave, Baltimore 29	Md
Winder Aircraft Corp., 1	Dunnellon Air Base, Dunnellon	Fla

SINE-COSINE MECHANISMS See MECHANISMS *–SINE-COSINE*
SINE-COSINE POTENTIOMETERS See POTENTIOMETERS *–PRECISION, SINE-COSINE*
SINE-COSINE RESOLVERS See RESOLVERS *–COMPUTING*
SINE-COSINE RESOLVERS See RESOLVERS *–COMPUTING*
SINGLE-SIDEBAND CONVERTERS See CONVERTERS *–SIGNAL*
SINGLE-SIDEBAND GENERATORS See GENERATORS *–SIGNAL*
SINGLE-SIDEBAND RECEIVERS See RECEIVERS *–RADIO COMMUNICATION*
SINGLE-SIDEBAND SYSTEMS See COMMUNICATION SYSTEMS
SINGLE-SIDEBAND TRANSMITTERS See TRANSMITTERS *–RADIO COMMUNICATION*

SINKS *–HEAT, TRANSISTOR*

American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Modine Mfg. Co	1500 Dekoven Ave, Racine	Wisc
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
RELCO PRODUCTS, Adv Pg 565	**Box 8327 University Park Sta, Denver 10**	**Colo**
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
Volkert Stampings, Inc	222-34 96th Ave, Queens Village 29	NY

SINTERED METAL PARTS See METAL PARTS *–POWDERED*
SKEW CONTROLS See CONTROLS *–PHOTOELECTRIC, SKEW*
SLEEVES See TUBING
SLIDEBACK VOLTMETERS See VOLTMETERS

SLIDES *–CHASSIS*

CHASSIS-TRAK CO., INC., Adv Pg 483	**525 S. Webster, Indianapolis 19**	**Ind**
CHRISTMAN INDUSTRIES, INC., Adv Pg 383	**1562 61st St, Brooklyn**	**NY**
ELECTRO-PACK, INC., Adv Pg 540	**11505 Jefferson Blvd, Culver City**	**Cal**
Grand Sliding Mechanisms, Inc	2401 W. Ohio St, Chicago 12	Ill
Grant Pulley & Hardware Corp	135 High St, West Nyack	NY
RADIO FREQUENCY LABS., INC., Adv Pg 116	**Boonton 2**	**NJ**
Rimak, Inc	10929 Vanowen St, N. Hollywood	Cal
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
WATSON MFG. CO., INC., Adv Pg 200	**4700 Taylor St, Jamestown**	**NY**
WESTERN DEVICES, INC., Adv Pg 209	**600 W. Florence Ave, Inglewood**	**Cal**
Widney-Dorlec	80 Shore Rd, Port Washington	NY

SLIDE-WIRE RESISTORS See RESISTORS *–WIRE-WOUND, VARIABLE*
SLIDING SHORTS See TUNERS *–MICROWAVE*

SLIP-RING ASSEMBLIES See *Also* COMMUTATORS

AIRFLYTE ELECTRONICS CO., Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
American Development Electronics Co	212 Central Ave, Newark	NJ
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Beck's, Inc	298-300 E. Fifth St, St. Paul 1	Minn
Breeze Corps., Inc	700 Liberty Ave, Union	NJ
COLLECTRON CORP., Adv Pg 446	**304 E. 45th St, New York 17**	**NY**
Electro Development Co	14701 Keswick St, Van Nuys	Cal
ELECTRO MINATURES CORP., Adv Pg 356	**632 Hayler St, South Hackensack**	**NJ**
ELECTRO TEC CORP., Adv Pg 429	**10 Romanelli Ave, S. Hackensack**	**NJ**
Gorham Electronics, Div of Gorham Mfg. Co	333 Adelaide Ave, Providence 7	RI
GRAPHITE METALLIZING CORP., Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
Johnson Matthey & Mallory Ltd	110 Industry St, Toronto, Ontario, Canada	
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
NEY CO., J.M., Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Pacific Scientific Co	P.O. Box 22019, Los Angeles 22	Cal
Poly Scientific Corp	Rt 460 N., Blacksburg	Va
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
ROTARY DEVICES CORP., Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Schaevitz Engineering	P. O. Box 505, Camden 1	NJ
Sierra Electric Corp	15100 S. Figueroa St, Gardena	Cal
Slip Ring Co of America	3612 W. Jefferson Blvd, Los Angeles 16	Cal
Superior Carbon Products Co	9115 George Ave, Cleveland 5	Ohio
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Unison Products, Inc	705 W. Savidge St, Spring Lake	Mich
U.S. Science Corp	5221 W. 102nd St, Los Angeles 45	Cal

SLITTERS See TOOLS *–CUTTERS*

SLOTTED SECTIONS *–MICROWAVE*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Corp of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Nichels Products Co	323 W. Main St, Moorestown	NJ
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
United Shoe Machinery Corp., Antenna & Microwave Sec	Balch St, Beverly	Mass
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

SLUG TUNING UNITS See CORES *–MOLDED MAGNETIC*
SLURRIES See ABRASIVES
S-METERS See AMMETERS
SMITH CHARTS See DRAFTING SUPPLIES
SMOKE CONTROLS See CONTROLS *–PHOTOELECTRIC*
SMOKE DETECTORS See DETECTORS *–SMOKE*
SMOKE INDICATORS See INDICATORS *–SMOKE & COMBUSTION*
SMOKE PRECIPITATORS See PRECIPITATORS
SMOKE RECORDERS See RECORDERS *–SMOKE*
SMOOTHNESS INDICATORS See INDICATORS *–SURFACE ROUGHNESS*

SOCKETS
1. CRYSTAL 2. DIODE 3. LAMP-DIAL, PANEL & PILOT 4. MINIATURE TUBE 5. PENCIL-TUBE 6. PRINTED-CIRCUIT 7. RELAY 8. SUBMINIATURE 9. TRANSISTOR 10. TUBE, RECEIVING 11. TURRET

12. UHF TUBE 13. WIRING PLUG

Accurate Electronics Corp., 1-2-3-4-5-6-7-8-9-10-11-12-13	Dept G, 169 Abbe Rd S., Elyria	Ohio
Aerolite Electronics Corp., 3	2207 Summit Ave, Union City	NJ
Aeronautical Electric Co., 3	5656 Northwest Hwy, Chicago 46	Ill
Aerovox Corp., 10	740 Belleville Ave, New Bedford	Mass
Alcon Metal Products, Inc., 4-6-10	1750 N. Kimball Ave, Chicago 47	Ill
ALDEN PRODUCTS CO., 3-4-10, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
ALLIED CONTROL CO., INC., 7, Adv Pg 48	**2 East End Ave, New York 21**	**NY**
American-Monarch Corp., 9	2801 37 Ave N.E., Minneapolis 18	Minn
Ampco Mfg. Co., 13	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 4-8-10, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Anaconda American Brass Co., 3	414 Meadow St, Waterbury 20	Conn
Anaheim Electronics Div., Electronic Eng. Co of Cal., 7	1601 E. Chestnut, Santa Ana	Cal
Armel Electronics, Inc., 7	840 Fifth Ave, Brooklyn 32	NY
Arrow-Hart & Hegeman Electric Co., 13	103 Hawthorn St, Hartford 6	Conn
AUGAT BROS., INC., 1-7-8-9, Adv Pg 394	**33 Perry Ave, Attleboro**	**Mass**
Barnes Development Co., 7	213 W. Baltimore Pike, Lansdowne	Pa
Buggie, H.H., Div., Burndy Corp., 2-6-7-9	P.O. Box 817, Toledo 1	Ohio
BURNDY CORP., 7, Adv Pg 192	**Norwalk**	**Conn**
Cable Electric Products, 13	234 Daboll St, Providence	RI
CAMBRIDGE THERMIONIC CORP., 2-6, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
CINCH MFG. CO., 1-2-5-6-7-8-9-10-11, Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
Circle Mfg. Co., 3	722 Monmouth St, Trenton 4	NJ
CIRCON COMPONENT CORP., 3-6-8-13, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
COLE ELECTRIC CO., 13, Adv Pg 496	**8439 Stellar Dr, Culver City**	**Cal**
Cole-Hersee Co., 3	20 Old Colony Ave, Boston	Mass
Control Dynamics Corp., 4-7-8-9	7420 Fulton Ave, North Hollywood	Cal
Cordo (Canada) Ltd., 3	149 Sterling Rd, Toronto 3, Ontario, Canada	
DIALIGHT CORP., 3-8, Adv Pg 563	**60 Stewart Ave, Brooklyn 37**	**NY**
Drake Mfg. Co., 3	4626 N. Olcott, Chicago 31	Ill
Eagle Electric Mfg. Co., Inc., 3-13	23-10 Bridge Plaza S., L.I. City	NY
Eby Co., Hugh H., 1-4-5-6-7-8-9-10-11-12	4701 Germantown Ave, Philadelphia 44	Pa
Elco Corp., 1-4-6-7-8-9-10-11-12-13	M St Below Erie Ave, Philadelphia 24	Pa
Eldema Corp., 3-4	1805 Belcroft Ave, El Monte	Cal
FEDERAL SCREW PRODUCTS, INC., 3, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 1-4-8-9-10, Adv Pg 218	**Camden 1**	**NJ**
General Components Co., 9	225-229 E. 144th, New York 51	NY
Good Electronic Corp., 6	P.O. Box 2406, W. Palm Beach	Fla
GRAPHIK-CIRCUITS DIV., CINCH, 6, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
GRAYHILL, INC., 5-9, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Green Rectifier Co., 3	1-10 30th St, Fair Lawn	NJ
Grinnel-Harris Electronics, 9	4132 Temple City Blvd, Rosemead	Cal
I. H. Manufacturing Co., 4-6-9-13	121 Greene St, New York 12	NY
INDUSTRIAL ELECTRONIC HARDWARE CORP., 1-2-3-4-6-8-9-10, Adv Pg 482	**109 Prince St, New York 12**	**NY**
INSTRUMENTS FOR INDUSTRY, INC., 5-8-12, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
International Crystal Mfg. Co., Inc., 1	18 N. Lee, Oklahoma City	Okla
Javex Electronics, 1-13	P.O. Box 646, Redlands	Cal
JETTRON PRODUCTS, INC., 4-5-8-9-12, Adv. Pgs. 550, 551	**56 Rt. 10, Hanover**	**NJ**
Johnson Co., E. F., 1-3	Waseca	Minn
Jones & Roy Co., 13	620 Commercial Ave, Covina	Cal
Keystone Electronics Corp., 2	49 Bleecker St, New York 12	NY
Kulka Electric Corp., 3-13	633 S. Fulton Ave, Mt. Vernon	NY
Leecraft Mfg. Co., Inc., 3	60 Greene St, Dept 18, New York 12	NY
Leviton Mfg. Co., Inc., 3-13	236 Greenpoint Ave, Brooklyn 22	NY
Livingston Electronic Corp., 4-8-10	Livingston 3	NJ
Lyn-Tron, Inc., 6	5352 Riverton Ave, North Hollywood	Cal
Mandex Mfg. Co., Inc., 4-6	2616 W. 48 St, Chicago	Ill
Materials for Electronics, Inc., 1-2-9-10-11	152-25 138 Ave, Jamaica 34	NY
METHODE MFG. CO., 1-2-4-6-7-8-9-11-12-13, Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
Millen Mfg. Co., James, 1-4-10-12	150 Exchange St, Malden	Mass
Molding Corp of America, 8-13	42 Church St, Pawtucket	RI
Frank W. Morse Co., 3	354 Congress St, Boston 10	Mass
Mosley Electronics, Inc., 1	4610 N. Lindbergh, Bridgeton	Mo
Mycalex Tube Socket Corp., 4-6-8-12	125 Clifton Blvd, Clifton	NJ
National Fabricators, Inc., 1-2-4-6-7-8-9-10-12-13	2650 W. Belden Ave, Chicago 47	Ill
NATIONAL RADIO CO., 1-10, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
Nugent Electronics Co., Inc., 1-4-6-7-8-9	802 E. Eighth St, New Albany	Ind
Permonite Mfg. Co., 1-3-4-10	910 W. Jackson Blvd, Chicago 7	Ill
Plasteck, Inc., 3-6	Box 551, Poteau	Okla
Plastic Mold & Engineering Co., 4-6-8	Wampanoag Trail, P.O. Box 4265 East Providence 14	RI
Ross Co., Milton, 1-2-3-4-6-7-8-9-10-11-12-13	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp., 4-6-8-9-13	145 Elm St, Mamaroneck	NY
Sealectro Corp., 8-9	139 Hoyt Ave, Mamaroneck	NY
Sierra Electric Corp., 13	15100 S. Figueroa St, Gardena	Cal
Signal Indicator Corp., 3-8	42 Stewart Ave, Brooklyn 37	NY
Sloan Co., Autotimer/Colorlite Divs., 3	7704 San Fernando Rd, Sun Valley	Cal
Smith, Inc., Herman H., 3-4	2326 Nostrand Ave, Brooklyn 10	NY
Standard Electronics Div., Reeves Instrument Corp., 12	Lakewood Rd, Farmingdale	NJ
Star Expansion Products, Inc., 13	P.O. Box 108, Mountainville	NY
Super Ear Products Co., 8	32 Deering, East Rockaway	NY
Sylvania Electric Products Inc., Parts Div., 3-4-5-6-8-9-10-12	12 Second Ave, Warren	Pa
Tap-A-Line Mfg. Co., 13	P.O. Box 563, Pompano Beach	Fla
UCINITE CO., DIV., UCC, 2-3-5-13, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
United Intl Dynamics Corp., 4-6	243 Lexington St, Waltham 54	Mass
United Mineral & Chemical Corp., 6-10	16 Hudson St, New York 13	NY
VECTOR ELECTRONIC CO., 10, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Viking Industries, Inc., 7-8	21343 Roscoe Blvd, Canoga Park	Cal
Waldom Electronics, Inc., 1-2-10	4621 W. 53rd St, Chicago 32	Ill
Warren Components Div., El-Tronics, 10	S. Irvine St, Warren	Pa
Wyrco Projects, Inc., 6	66 Main St, Binghamton	NY

SOLAR CELLS See CELLS —*PHOTOELECTRIC*

SOLDER

1. ALUMINUM 2. BISMUTH 3. INDIUM 4. LEAD-TIN 5. LEAD-TIN RINGS & PREFORMS 6. LEAD-TIN-SILVER 7. PLATINUM 8. SILVER

Accurate Specialties Co., Inc., 1-2-3-4-5-6-7-8	37-11 57 St, Woodside 77	NY
All-State Welding Alloys Co., Inc., 1-6-8	249 Ferris Ave, White Plains	NY
Allen Co., Inc., L.B., 1-4-5-8	9329 W. Bernice, Schiller Park	Ill
Alloys Unlimited, Inc., 2-3-4-5-6-7-8	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 1-2-3-4-5-6	60D Water St, Jersey City	NJ
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Brazing Alloys Corp., 1-6-8	P.O. Box 11, Pelham	NY
American Silver Co., Inc., 8	36-07 Prince St, Flushing 54	NY
American Smelting & Refining Co	120 Broadway, New York 5	NY
American Solder & Flux Co., 1	19th & Willard Sts, Philadelphia 40	Pa
Anchor Metal Co., The, 1-2-3-4-5-6-7-8	966 Meeker Ave, Brooklyn 22	NY
ART WIRE & STAMPING CO., 5, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Belmont Smelting & Refining Works, 1-2-3-4-5-6-7-8	332 Belmont Ave, Brooklyn 7	NY
Bow Solder Products Co., Inc., 1-2-3-4-5-6	251 Freeman St, Brooklyn 22	NY
Cerro De Pasco Sales Corp., 2-3	300 Park Ave, New York 22	NY
Chase Brass & Copper Co., Inc., 4-6-8	236 Grand St, Waterbury 20	Conn
Chemalloy Electronics Corp., 1	Gillespie Field, Santee	Cal
Composite Industrial Metals, Inc., 1-2-3-4-5-6-7-8	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd., 3-4-5-6	215 St. James St W., Montreal, Canada	
CONSOLIDATED REACTIVE METALS, INC., 6-7-8, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Dalweld Co., Inc., 1-8	11 Bertel Ave, Mt. Vernon	NY
Division Lead Co., 3-4-5-6	7742 W. 61st Pl, Summit	Ill
Dunton Co., M.W., 4-5-6	350 Kinsley Ave, Providence	RI
Electroparts, 4	P.O. Box 1137, Glendale	Cal
Electrovert, Inc., 4-6-8	124 E. 40 St, New York 17	NY
Engelhard Industries, Inc., 8	113 Astor St, Newark 2	NJ
Goldsmith Bros Div., National Lead Co., 6-7-8	900 W. 18th St, Chicago 8	Ill
HANDY & HARMAN, 7-8, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Horton-Angell Co., 8	27 Bicknell St, Attleboro	Mass
Howe International, 1-5-7-8	431 Danforth, Jersey City 5	NJ
Johnson Matthey & Mallory Ltd., 8	110 Industry St, Toronto, Ontario, Canada	
Johnson Mfg. Co., Inc., 1-2-4-5-6-8	Mt. Vernon	Iowa
KESTER SOLDER CO., 1-2-4-5-6-7-8, Adv Pg 554	**4212 Wrightwood Ave, Chicago 39**	**Ill**
LEACH & GARNER CO., INDUSTRIAL DIV., 8, Adv Pg 531	**Attleboro**	**Mass**
London Chemical Co., 4-6	1535 N. 31 Ave, Melrose Park	Ill
A.D. Mackay, Inc., 1-2-3-4-6-7-8	198 Broadway, New York 38	NY
Metz Refining Co., 7-8	369 Mulberry St, Newark 2	NJ
Michael, Inc., Claude, 1-4-5-6-8	703 W. Ivy St, Glendale 4	Cal
MICO INSTRUMENT CO., 4, Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
MILHAUPT ENGINEERING CO., LUCAS 5, Adv Pg 495	**5075 S. Lake Dr, Cudahy**	**Wisc**
Multicore Sales Corp., 4-8	80 Shore Rd, Port Washington	NY
National Lead Co., 4-5-6	111 Broadway, New York 6	NY
New York Solder Co., 4	684 E. 133 St, New York 54	NY
Rayline, Inc., 2-4	163 First St, Mineola	NY
Ruby Chemical Co., 4	68 McDowell St, Columbus 16	Ohio
Semi-Alloys, Inc., 1-2-3-4-5-6-7-8	550 S. Fulton Ave, Mt. Vernon	NY
Standard Metals Corp., 8	Broad & Whiting St, North Attleboro	Mass
Staver Co., Inc., 5	41 N. Saxon Ave, Bay Shore	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 1-4-5-6-7-8, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Tricon Mfg. Co., 1-2-5-6-8	8012 S. Wallace St, Chicago 20	Ill
United Wire & Supply Corp., 8	1497 Elmwood Ave, Providence 7	RI
Wildberg Bros Smelting & Refining Co., 7-8	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc., 7-8	2978 Main St, Buffalo 14	NY

SOLDER GLASS See GLASS
SOLDERING FLUXES See FLUXES
SOLDERING IRONS & POTS See TOOLS —*SOLDERING*
SOLDERING MACHINES See MACHINES —*DIP SOLDERING:* MACHINES — *SOLDERING:* ULTRASONIC EQUIPMENT

SOLDERING SERVICES

Alpha-Loy Corp., Div., Alpha Metals Inc., 3	2248 S. Lumer, Chicago	Ill
Alpha Metals Inc., 3	60D Water, Jersey City	NJ
American Silver Co., Inc., 2	36-05 Prince St, Flushing	NY
Anchor Metal Co., Inc., 3	964 Meeker Ave, Brooklyn	NY
Gebe Electronic Services Inc., 2	W. Jefferson & West Blvd, L A 16	Cal
Hi-Temp Inc., 1	77 E. Lake St, Northlake	Ill
Humphrey-Wilkinson Inc., 3	501 Devine, North Haven	Conn
L R Heat Treating Co., 1	109 Vesey St, Newark 5	NJ
Metals Joining Corp., 1-2-3	234 S. 11th St, Newark 7	NJ
Miller-Robinson Co., 3	70th & Avalon Blvd, Los Angeles	Cal
Pyromet Co., 1	595 Industrial Rd, San Carlos	Cal
Salkover Metal Processing of Ill, Inc., 1	2552-T Edgington St, Franklin Park	Ill
Williamson Adhesives Inc., 2	8224 Kimball Ave, Skokie	Ill

SOLDERING TOOLS See TOOLS —*SOLDERING: MACHINES-SOLDERING*
SOLDERLESS CONNECTORS See CONNECTORS —*SOLDERLESS*
SOLDER PLATING ANODES See ANODES
SOLENOID COILS See COILS —*WINDINGS ONLY*
SOLENOID CORES See CORES —*LAMINATED*
SOLENOIDS —*TRAVELING-WAVE TUBE FOCUSING:* See COILS

SOLENOIDS —*WITH CORES*
1. LINEAR 2. LINEAR, SUBMINIATURE 3. ROTARY See Also MOTORS — *STEPPING*

A.P.W. Co., 1-2	72 W. Main St, Rockaway	NJ
A R & D A, 1-2	135 Main St, Belleville 9	NJ
Airesearch Mfg. Co of Ariz., 1-2	402 S. 36 St, Phoenix	Ariz
Anderson Controls, Inc., 1-2	9959 Pacific Ave, Franklin Park	Ill
Artisan Electronics Corp., 1	171 Ridgedale Ave, Morristown	NJ
Asquith Co., S.A., 1-2-3	427 W. Chevy Chase Dr, Glendale	Cal
Aurex Corp., 1	315 W. Adams St, Chicago 6	Ill
Automatic Switch Co., 1	50-56 Hanover Rd, Florham Park	NJ
Caltron Products Co., 1	3518 W. Pico Blvd, Los Angeles 19	Cal
Cannon Electric Co	3208 Humboldt St, Los Angeles 31	Cal
Carruthers & Fernandez, Inc., 1-2-3	1501 Colorado Ave, Santa Monica	Cal
Coil Co of America, Inc., 1	220 Washington St, Northvale	NJ
COMAR ELECTRIC CO., 1-2, Adv Pg 497	**3349 W. Addison, Chicago 18**	**Ill**
Computer Components, Inc., 1-2-3	88-06 Van Wyck Expwy, Jamaica 18	NY
Controls Co of America, 1	9556 Soreng, Schiller Park	Ill
CURTISS-WRIGHT, ELECTRONICS DIV., 3, Adv Pg 80	**35 Market St, East Paterson**	**NJ**

Dormeyer Industries, 1	3418 N. Milwaukee Ave, Chicago 41	Ill
EIR Corp., 2	5177 Overland Ave, Culver City	Cal
Electro-Mechanical Spec Co., Inc., 3	528 Lambert Rd, Whittier	Cal
Electro-Switch & Controls, Inc., 1	5755 Camille Ave, Culver City	Cal
Fae Instrument Corp., 1-2-3	42-61 Hunter St, Long Island City 1	NY
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Time Central Research Lab, 3	107 Lafayette St, New York 13	NY
Gordon Enterprises, 1	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Guardian Electric Mfg. Co., 1-2	1621 W. Walnut St, Chicago 12	Ill
HILLBURN ELECTRONIC PRODUCTS CO., 1-2, Adv Pg 564	**55 Nassau Ave, Brooklyn 22**	**NY**
IMC MAGNETICS CORP., 3, Adv Pg 186	**570 Main St, Westbury**	**NY**
INDUCTION MOTORS OF CALIFORNIA, DIV., IMC., 1-2-3, Adv Pg 306	**6058 Walker Ave, Maywood**	**Cal**
Industrial Transformer Corp., 1	Gouldsboro	Pa
Klann Organ Supply Co., 1	P.O. Box 2398, Waynesboro	Va
Kuhnke Electronics, H., 1-3	Malente/Holstein, Germany	
Ledex, Inc., 3	123 Webster St, Dayton 2	Ohio
Leetronics, Inc., 3	30 Main St, Brooklyn	NY
Lisk Co., Inc., G.W., 1-2	40 South St, Clifton Springs	NY
McQuay-Norris Mfg. Co., 1	2320 Marconi Ave, St. Louis 10	Mo
Magnetec Corp., The, 2	7232 Eton Ave, Canoga Park	Cal
Marsland Engineering, Ltd., 3	154 Victoria St S., Kitchener, Ontario, Canada	
Midwestern Instruments, Inc., 2	P.O. Box 7186, Tulsa 18	Okla
Modelectric Products Corp., 1-2	1500 Bangs Ave, Asbury Park	NJ
Naybor Laboratories, Inc., E.V., 1-2-3	26 Manorhaven Blvd, Port Washington	NY
OAK MFG. CO., 3, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Oaktron Electric Co., 1-2	Tinley Park	Ill
Pacsol Div of Illinois Tool Works, 3	3155 W. El Segundo Blvd, Hawthorne	Cal
Phillips Control Corp., 1	59 W. Washington St, Joliet	Ill
Pickering & Co., Inc., 1-2-3	Sunnyside Blvd, Plainview	NY
POLLAK CORP., JOSEPH, 1-2, Adv Pg 536	**75-99 Freeport St, Dorchester 22**	**Mass**
Precision Electronics, Inc., 1	48 Merrick Rd, Rockville Centre	NY
Servotronics, Inc., 1-2	190 Gruner Rd, Buffalo 25	NY
Sturrup, Inc., 1	50 Silver St, Middletown	Conn
Sylvania Photolamp & Special Products, 1	60 Boston St, Salem	Mass
Thermocal, Div., Jamieson Labs., Inc., 1-2	7900 Haskell Ave, Van Nuys	Cal
United Aircraft Products Inc., 1	1116 Bolander Ave, Dayton 1	Ohio
U.S. Electronics Corp., 1-2	276 Warren St, Lyndhurst	NJ
UNIVERSAL RELAY CORP., 1-3, Adv Pg 565	**42E White St, New York 13**	**NY**
Victor Adding Machine Co., 1	3900 N. Rockwell St, Chicago 18	Ill
West Coast Electrical Mfg. Corp., 1-2	233 W. 116th Pl, Los Angeles 61	Cal
Weston Hydraulics Sub., Borg-Warner, 1	7500 Tyrone Ave, Van Nuys	Cal
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Winatic Corp., 1	P.O. Box 240, Endicott	NY

SOLENOID VALVES See VALVES —*SOLENOID*
SOLID DIELECTRICS See FILMS: GLASS: MICA: PAPER: PLASTICS: TITANATES
SOLID-STATE COMMUTATORS See COMMUTATORS
SOLID-STATE INVERTERS See INVERTERS
SOLID-STATE THYRATRONS See RECTIFIERS —*SEMICONDUCTOR, CONTROLLED*

SOLIONS

GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Texas Research Associates Corp.	1703 Guadalupe St, Austin	Tex

SOLID STATE RELAYS See RELAYS —*STATIC*
SOLUTIONS —*ETCHING* See CHEMICALS —*PRINTED-CIRCUIT*

SOLVENTS

1. EPOXY RESIN 2. OIL & GREASE	*3. ROSIN FLUX*	
Acme Wire Co., 1	New Haven 14	Conn
Allen Co., Inc., L.B., 3	9329 W. Bernice, Schiller Park	Ill
Alpha Metals, Inc., 3	60D Water St, Jersey City	NJ
Bacon Industries, Inc., 2	192 Pleasant St, Watertown 72	Mass
Barco Chemical Products Co., 2	701-703 S. La Salle, Chicago 5	Ill
Borden Chemical Co., Div., Borden Co., 1	350 Madison Ave, New York 17	NY
Bow Solder Products Co., Inc., 3	251 Freeman St, Brooklyn 22	NY
Ceramco Inc., Chemists, 2	173 Ridge St, Newark 4	NJ
Chemtronics Inc., 1-2	870 E. 52nd St, Brooklyn 3	NY
City Chemical Corp., 2	132 W. 22nd St, New York 11	NY
Clarkson Labs., Inc., 2	919 N. Ninth St, Philadelphia 23	Pa
Cobehn, Inc., 2-3	226 Passaic Ave, Caldwell	NJ
Detrex Chemical Industries, Inc., 2	P.O. Box 501, Detroit 32	Mich
Dow Chemical Co., 2	Midland	Mich
du Pont de Nemours & Co., Inc., E.I., 2	Wilmington 98	Del
Electronic Components Div., Telecomputing Corp., 1	14706 Arminta St, Van Nuys	Cal
Electroparts, 2-3	P.O. Box 1137, Glendale	Cal
Electrovert, Inc., 3	124 E. 40 St, New York 17	NY
Emerson & Cuming, Inc., 1	869 Washington St, Canton	Mass
Esso Standard, Div of Humble Oil & Refining Co., 2	15 W. 51 St, New York 19	NY
Fisher Scientific Co., 1-2-3	711 Forbes St, Pittsburgh 19	Pa
Furane Plastics, Inc., 1	4516 Brazil St, Los Angeles 39	Cal
Harris Transducer Corp., 2-3	Woodbury	Conn
Hastings Plastics, Inc., 1-2	1551 12th St, Santa Monica	Cal
Hysol Corp., 1	Olean	NY
Injectorall Co., 2	12 Bay 50 St, Brooklyn 14	NY
Isochem Resins Co., 1-2-3	221 Oak St, Providence 9	RI
Krylon, Inc., 2	Ford & Washington, Norristown	Pa
London Chemical Co., 1-2-3	1535 N. 31 Ave, Melrose Park	Ill
Marblette Corp., 1	37-21-30th St, Long Island City 1	NY
Matheson Coleman & Bell, 2	2909 Highland Ave, Norwood	Ohio
Metachem Resins Corp., 1-2-3	530 Wellington Ave, Cranston 10	RI
Michael, Inc., Claude, 3	703 W. Ivy St, Glendale 4	Cal
Micro-Circuits Co., 1	New Buffalo	Mich
Mona Industries, Inc., 1	Paterson	NJ
NARDA ULTRASONICS CORP., 2-3, Adv Pg 466	**625 Main, Westbury**	**NY**
Oakite Products, Inc., 1-2-3	79 Rector St, New York 6	NY
Permacel Tape Corp., 1	U.S. Hwy 1, New Brunswick	NJ
Philadelphia Quartz Co., 2	1146K Public Ledger Bldg, Phila 6	Pa
Phillips Mfg. Co., 2	3406 W. Touhy Ave, Chicago 45	Ill
Pierce & Stevens Chemical Corp., 1-2-3	710 Ohio St, Buffalo 3	NY
Pro-Chem, Inc., 2-3	1571 Merwin Ave, Cleveland 13	Ohio
Telecomputing Corp., 1	915 N. Citrus Ave, Hollywood	Cal
Topper Mfg. Co., Inc., 1	84-56 Parsons Blvd, Jamaica 32	NY
Ultrasonic Industries, Inc., 2-3	141 Albertson Ave, Albertson	NY
Wye Industries, 1-2-3	6 General Devine Way, Boston 27	Mass

SONAR

1. TRANSDUCERS 2. TRANSMITTERS & RECEIVERS		
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 2, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Amplivox Ltd., 1-2	Beresford Ave, Wembley, Middlesex, England	
Atlantic Research Corp., 1	Shirley Hwy at Edsall Rd, Alexandria	Va
Automation Industries, Inc., 1	3613 Aviation Blvd, Manhattan Beach	Cal
Aviation Electric, Ltd., 1-2	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
CHESAPEAKE INSTRUMENT CORP., 1-2, Adv Pg 429	**100 Atwell Rd, Shadyside**	**NJ**
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Dalmo Victor Co., Div., Textron, Inc., 2	1515 Industrial Way, Belmont	Cal
DAVEN CO., 2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dyna-Empire, Inc., 1	1075 Stewart Ave, Garden City	NY
Dynamic Electronics, Capehart Corp., 2	87-46 123 St, Richmond Hill 18	NY
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Edo Corp., 1-2	College Point 56	NY
Electro Voice, Inc., 2	Buchanan	Mich
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
General Electric Co., Heavy Electronics Dept., 1-2	Court St, Syracuse	NY
General Electric Co., Light Military Electronics Dept., 1-2	French Rd, Utica	NY
Gorham Electronics, Div of Gorham Mfg. Co., 2	333 Adelaide Ave, Providence 7	RI
Gulton Industries, Inc., 1	212 Durham Ave, Metuchen	NJ
Harris Transducer Corp., 1-2	Woodbury	Conn
Huyck Systems Co., 1	360 Wolf Hill Rd, Huntington Sta	NY
ITT Federal Div., ITT, 2	100 Kingsland Rd, Clifton	NJ
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lumen, Inc., 1	P.O. Box 905, Joliet	Ill
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 1, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
MASSA DIV., COHU ELECTRONICS, INC., 1, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Microwave Development Labs. Inc., 1	92 Broad St, Babson Park 57	Mass
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
Pearce Simpson, Inc., 1-2	2295 N.W. 14th St, Miami 35	Fla
Philco Corp., Gov't & Ind'l Div., 2	4700 Wissahickon Ave, Philadelphia 44	Pa
Sangamo Electric Co., 1-2	1201 N. 11 St, Springfield	Ill
Solar Mfg. Corp., 1	4553 Seville Ave, Los Angeles 58	Cal
STATHAM INSTRUMENTS, INC., 1, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2	100 Carlson Rd, Rochester 3	NY
Telephonics Corp., 1-2	Park Ave, Huntington	NY
Texas Instruments Incorporated, Apparatus Div., 1-2	6000 Lemmon Ave, Dallas 9	Tex
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY

SORTERS See CONTROLS —*PHOTOELECTRIC:* CONTROLS —*SORTING:* MACHINES
SOUND-ACTUATED CONTROLS See CONTROLS —*SOUND-ACTUATED*

SOUNDING EQUIPMENT —*IONOSPHERIC*

Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
EMI-COSSOR ELECTRONICS LTD., Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
NRC Equipment Corp	160 Charlemont St, Newton 61	Mass
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa

SOUND-LEVEL METERS See METERS —*SOUND-LEVEL*
SOUND-LEVEL RECORDERS See RECORDERS —*SOUND-LEVEL*
SOUND-POWERED INTERCOMMUNICATION SYSTEMS See
SOUND-RECORDING AMPLIFIERS See AMPLIFIERS — A-F
SOUND SPECTROGRAPHS See SPECTROMETERS
SOUND SYSTEMS —*HIGH FIDELITY* See HIGH FIDELITY SYSTEMS

SOUND SYSTEMS —*MOTION PICTURE PROJECTOR*

Eastman Kodak Co	343 State St, Rochester 4	NY
Westex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

SOUND SYSTEMS —*PUBLIC ADDRESS* See PUBLIC ADDRESS SYSTEMS
SOURCES —*INFRARED* See INFRARED DEVICES
INTERCOMMUNICATION SYSTEMS

SOURCES —*RADIOACTIVE*

1. ALPHA 2. BETA 3. GAMMA 4. NEUTRON		
ANTON ELECTRONIC LABS., INC., 2-3, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
Atomic Accessories Inc., 1-2-3	811 W. Merrick Rd, Valley Stream	NY
Canadian Radium & Uranium Corp., 1-2-3-4	630 Fifth Ave, New York 20	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 2-3, Adv Pg 75	**Princeton**	**NJ**
Eberline Instrument Corp., 1	P.O. Box 279, Santa Fe	NM
A.D. Mackay, Inc., 1-2-3-4	198 Broadway, New York 38	NY
Nuclear Chicago Corporation, 1-2-3-4	333 E. Howard St, Des Plaines	Ill
Nucleonic Corp of America, 1-2-3-4	196 Degraw St, Brooklyn 31	NY
Ohmart Corp., 1-2-3-4	2236 Bogen St, Cincinnati	Ohio
Picker X Ray Corp., 1-2-3	25 S. Broadway, White Plains	NY
Radiation Counter Labs., Inc., 3	5121 W. Grove St, Skokie	Ill
Radiation Research Corp., 2-4	1114 First Ave, New York 21	NY
Tracerlab, Inc., 1-2-3-4	1601 Trapelo Rd, Waltham 54	Mass
U. S. Nuclear Corp., 1-2-3-4	801 N. Lake St, Burbank	Cal
U.S. RADIUM CORP., 1-2-3-4, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
Western Radiation Lab., 1-2-3	1107 W. 24 St, Los Angeles 7	Cal

SPADE BOLTS See BOLTS
SPEAKER BAFFLES See BAFFLES
SPEAKER CONES & DIAPHRAGMS See DIAPHRAGMS
SPEAKER DRIVER UNITS See DRIVERS —*SPEAKER*
SPEAKER FIELD COILS See COILS —*WINDINGS ONLY*
SPEAKER GRILLES See GRILLES
SPEAKER HOUSINGS See BAFFLES
SPEAKER HORNS See HORNS —*SPEAKER*

SPEAKERS

1. AIR-OPERATED 2. ELECTRODYNAMIC 3. FLAME & EXPLOSION-PROOF 4. HIGH-FIDELITY 5. HIGH-FIDELITY. DUAL-CONE 6. HORN 7. MARINE. WEATHERPROOF 8. MINIATURE 9. PILLOW 10. P-M DYNAMIC 11. P-M DYNAMIC. HIGH-FIDELITY 12. SPEAKER SYSTEMS. IN CABINETS 13. TWEETERS. CRYSTAL 14. TWEETERS. ELECTROSTATIC

Allied Radio Corp., 4-5	100 N. Western Ave, Chicago 80	Ill
American Development Electronics Co., 12	212 Central Ave, Newark	NJ
Appleton Electric Co., 3	1701 W. Wellington, Chicago 13	Ill
Argonne Electronics Mfg. Corp., 4-5-8-9-10-11-13-14	165-11 South Rd, Jamaica 33	NY
Argos Products Co., 12	301 Main St, Genoa	Ill
Arnhold Ceramics, Inc., 2-4-5-8-10-11-12-14	1 East 57 St, New York 22	NY
Atlas Sound Corp., 3-6-7	1443 39th St, Brooklyn 18	NY
Audax Co., 4-5-7-10-11-12	38-19 108th St, Corona 68	NY
Audiotronics Corp., 12	11057 Weddington St, N. Hollywood	Cal
Becker Electronics Mfg. Corp., 4-5-7-8-9-10-11-14	Horton & Rockaway, Valley Stream	NY
Bogen-Presto Div., Siegler Corp., 3-5-6-7-10-11	P.O. Box 500, Paramus	NJ
Braun, Max, 12	Ruesselsheimerstr 22, Frankfurt/M, Germany	
Brooks & Perkins, Inc., 6	**1950 W. Fort St, Detroit 16**	**Mich**
Calbest Electronics Co., 12	4801 Exposition Blvd, Los Angeles 16	Cal
Carbonneau Industries, Inc., 5-10-11	100 Lexington, S.W., Grand Rapids	Mich
Channel Master Co., 4-11-12	Ellenville	NY
Cinaudagraph, Inc., 1-2-3-4-5-6-7-8-9-10-11-13-14	7334 N. Clark St, Chicago 26	Ill
Cleveland Electronics, Inc., 2-4-5-7-9-10-11-14	1974 E. 61st St, Cleveland 3	Ohio
Collaro, Ltd., (Rockbar), 4-5-10-11-12	650 Halstead Ave, Mamaroneck	NY
Dominion Electrohome Industries Ltd., 12	283 Duke St W. Kitchener, Ontario, Canada	
Dukane Corp., 6-9-10	St. Charles	Ill
Electro Voice, Inc., 4-5-6-7-10-11-12	Buchanan	Mich
Electronic Applications, Inc., 4	194 Richmond Hill Ave, Stamford	Conn
ELECTRONIC INSTRUMENT CO., INC., 4, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Fedtro, Inc., 8-9-10	Fed Electr Bldg, Rockville Centre	NY
Fisher Radio Corp., 4-12-13	21-21 Forty Fourth Dr, L.I. City 1	NY
Galbraith-Pilot Marine Corp., 7	602 Fourth Ave, Brooklyn	NY
GATES RADIO CO., 4-6-10-11-12, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 2-10	147-12 Liberty Ave, Jamaica 35	NY
Goodmans Industries Ltd., Axiom Works, 3-4-5-6-7-8-10-11-12	Wembley, Middlesex, England	
Hartley Products Co., 4-5-11-12	521 E. 162 St, New York 51	NY
Heppner Mfg. Co., 4-5-7-8-10-11-14	P.O. Box 608, Round Lake	Ill
Holland Standards, Inc., 12	P.O. Box 908, Cedar Rapids	Iowa
I. H. Manufacturing Co., 2-4-12	121 Greene St, New York 12	NY
International Electronics Labs., GMBH, 6-7	Lottestr. 52, Hamburg, Lokstedt, Germany	
Jensen Mfg. Co., Div., Muter, 2-4-5-6-7-8-10-11-12	6601 S. Laramie Ave, Chicago 38	Ill
K L H Research & Development Corp., 12	30 Cross St, Cambridge 39	Mass
Karlson Associates, Inc., 12	433 Hempstead Ave, W. Hempstead	NY
KNOWLES ELECTRONICS, INC., 8, Adv Pg 520	**10545 Anderson Pl, Franklin Park**	**Ill**
Lansing Sound, Inc., James B., 4-5-6-10-11-12	3249 Casitas Ave, Los Angeles 39	Cal
Ling Electronics Div., Ling Altec Electronics, 1	1515 Manchester, Anaheim	Cal
McGregor Electronic Industries, 1-2-5-6-7-8-9-10-11-13-14	McGregor	Iowa
Magnavox Co., 2-4-5-7-10-11-12	2131 Bueter Rd, Fort Wayne	Ind
Marsland Engineering, Ltd., 4-5-7-10-11	154 Victoria St S., Kitchener, Ontario, Canada	
Materials for Electronics, Inc., 2-4-8-10-11	152-25 138 Ave, Jamaica 34	NY
OXFORD ELECTRIC CORP., 2-4-5-6-7-8-10-11-12, Adv Pg 556	**3911 S. Michigan Ave, Chicago 53**	**Ill**
Pilot Radio Corp., 12	37-06 36th St, Long Island City	NY
Quam Nichols Co., 2-4-5-7-8-10-11	Marquette Rd & Prairie Ave, Chicago 37	Ill
R-J Audio Products, 4	80 Shore Rd, Port Washington	NY
Racon Electric Co., 2-3-4-6-7-10-14	1261 Broadway, New York 1	NY
Radio Corp of America Indl Electronic Prods, 4-5-6-10-11-12	Front & Cooper, Camden	NJ
RADIO FREQUENCY LABS., INC., 12, Adv Pg 116	**Boonton 2**	**NJ**
Radio Mfg. Engineers, Div., Electro Voice, Inc., 12	Buchanan	Mich
Recordio Corp., 4	Charlotte	Mich
Remler Co., 7	2101 Bryant St, San Francisco 10	Cal
Rola Co., Div., Muter Co., 2-4-7-8-10-11-14	2530 Superior Ave, Cleveland 14	Ohio
Sarkes Tarzian, Broadcast Equipment Div., 12	E. Hillside Dr, Bloomington	Ind
Sherwood Electronic Labs., Inc., 12	4300 N. California Ave, Chicago 18	Ill
Sonotone Corp., 4-5-11-12	P.O. Box 200, Elmsford	NY
Standard Telephones & Cables, Ltd., 4-6-10-11	63 Aldwych, London W. C. 2	England
Stephens Tru-Sonic, Inc., 4-5-6-11-12-13	8538 Warner Dr, Culver City	Cal
Stromberg-Carlson Div., Gen Dynamics Corp., 4-5-10-11-12	100 Carlson Rd, Rochester 3	NY
Symphony Electronics Corp., 4-5-10-11-12-13-14	1611 Cordova St, Los Angeles 7	Cal
Tandberg of America, Inc., 4-5-12	8 3rd Ave, Pelham	NY
Tannoy (America) Ltd., 3-4-5-6-7-10-11-12	P.O. Box 177, East Norwich	NY
Telex, Inc., 8-9	Telex Park, St. Paul 1	Minn
Transducers, Inc., 2	2959 Honolula Ave, La Crescenta	Cal
Trimm, Inc., 9	400 W. Lake St, Libertyville	Ill
Trutone Electronics, Inc., 12	6912 Santa Monica Blvd, L A 38	Cal
University Loudspeakers, Inc., 2-3-4-6-7-10-11-12	80 S. Kenisco Ave, White Plains	NY
Utah Radio & Electronic Corp., 4-5-8-10-11-12	1124 E. Franklin St, Huntington	Ind
Waber Electronics, Inc., 12	Hancock & Sommerset, Philadelphia 33	Pa
Westrex Corp., Div., Litton Industries, 4-5-12	540 W. 58 St, New York 19	NY
Wharfdale Div., British Ind Corp., 4-10-11-12-13	80 Shore Rd, Port Washington	NY
Wright-Zimmerman; Inc., 9-10-14	New Brighton, St. Paul 12	Minn
Zenith Radio Corp., 2-10-11	6001 Dickens Ave, Chicago 39	Ill

SPEAKER SPIDERS See SPIDERS *–SPEAKER*
SPEAKER STANDS See STANDS
SPEAKER VOICE COILS See COILS
SPECIFIC-GRAVITY CONTROLS See CONTROLS *–SPECIFIC GRAVITY*
SPECIFIC-GRAVITY INDICATORS See INDICATORS *–SPECIFIC-GRAVITY*
SPECIFIC-GRAVITY RECORDERS See RECORDERS *–SPECIFIC-GRAVITY*

SPECTROMETERS & SPECTROGRAPHS

1. ALPHA & BETA RAY 2. GAMMA RAY & X-RAY 3. LIQUID SCINTILLATION 4. MASS & ISOTOPE SEPARATION 5. NUCLEAR MAGNETIC RESONANCE 6. SOUND & VIBRATION 7. SPARK & ARC

AMERICAN OPTICAL CO., INSTRUMENT DIV., Adv Pg 401	**Buffalo 15**	**NY**
Applied Research Laboratories, Inc., 2-7	P.O. Box 1710, Glendale 5	Cal
B & K Instruments, Inc., 6	3018 W. 106th St, Cleveland 11	Ohio
BAIRD-ATOMIC, INC., 1, Adv.Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bausch & Lomb, 7	61461 Bausch St, Rochester 2	NY
Bruel & Kjaer, 6	Lindealle 23, Naerum, Denmark	
Computing Devices of Canada, Ltd., 4	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Electrodynamics Corp., 4	360 N. Sierra Madre Villa, Pasadena	Cal
ELECTRO SEAL CORP., 4, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Gaertner Scientific Corp	1239 Wrightwood, Chicago 14	Ill
General Electric Co., X-Ray Dept., 1-2	4855 Electric Ave, Milwaukee	Wisc
Hamner Electronics Co., Inc., 1-2-3	P.O. Box 531, Princeton	NJ
High Voltage Engineering Corp., 4	Burlington	Mass
Interstate Electronics Corp., 1-2-3-4-5	707 E. Vermont Ave, Anaheim	Cal
Isotope Developments, Ltd., 1-2-3	Beenham Grange, Reading, Berks, England	
Jarrell-Ash Co., 2-7	26 Farwell St, Newtonville	Mass
Melpar, Inc., 6	3000 Arlington Blvd, Falls Church	Va
Mullard Equipment, Ltd., 5	Torrington Pl, London W.C. 1, England	
Nuclear Chicago Corporation, 2	333 E. Howard St, Des Plaines	Ill
NUCLEAR ELECTRONICS CORP., 2, Adv Pg 552	**2925 N. Broad St, Philadelphia 32**	**Pa**
Nuclear Measurements Corp., 2	2463 N. Arlington Ave, Indianapolis 18	Ind
PANORAMIC RADIO PRODUCTS, INC., 6, Adv Pg 477	**530 S. Fulton Ave, Mt. Vernon**	**NY**
Perkin-Elmer Corp., The, 5	Main Ave, Norwalk	Conn
Philips Electronic Instruments, 2	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V., 2-5	Eindhoven, Netherlands	
Picker X Ray Corp., 2	25 S. Broadway, White Plains	NY
Process & Instruments, 4	15 Stone Ave, Brooklyn 33	NY
Radiation Instrument Development Labs., 1-2	5737 S. Halsted St, Chicago 36	Ill
Renupp Co., 7	3457 Greenfield Ave, Los Angeles 34	Cal
Ridgefield Instrument Group, Schlumberger Corp., 5	P.O. Box 307, Ridgefield	Conn
Rohde & Schwarz, USA, Inc., 6	P.O. Box 275, Passaic	NJ
Smith Co., Arthur F., 4	311 Alexander St, Rochester	NY
Spectrum Instruments, Inc., 6	Box 61, Steinway Sta, Long Island City 3	NY
Strand Laboratories, Inc., 5	294 Centre St, Newton 58	Mass
Technical Associates, 2	142 W. Providencia Ave, Burbank	Cal
Technical Measurement Corp., 1-2-3	441 Washington Ave, North Haven	Conn
Tracerlab, Inc., 1-2-3	1601 Trapelo Rd, Waltham 54	Mass
Tullamore Electronics Corp., 2	6055 S. Ashland Ave, Chicago 36	Ill
U. S. Nuclear Corp., 2-3	801 N. Lake St, Burbank	Cal
Vactronic Lab. Equipment, Inc., 4	21 Monmouth Ct, East Northport	NY
VARIAN ASSOCIATES, 5, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**

SPECTROPHOTOMETERS

Applied Physics Corp	2724 S. Peck Rd, Monrovia	Cal
BAIRD-ATOMIC, INC., Adv.Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Biddle Co., James G.	1316 Arch St, Philadelphia 7	Pa
Coleman Instruments, Inc	42 Madison St, Maywood	Ill
INSTRUMENT DEVELOPMENT LABS., INC., Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
Jarrell-Ash Co	26 Farwell St, Newtonville	Mass
Land-Air, Inc.	7444 W. Wilson Ave, Chicago 31	Ill
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Perkin-Elmer Corp., The	Main Ave, Norwalk	Conn
Process & Instruments	15 Stone Ave, Brooklyn 33	NY
TELECHROME MFG. CORP, Adv Pg 337	**28 Rosick Dr, Amityville**	**NY**

SPECTROSCOPIC SOURCE UNITS

Applied Research Laboratories, Inc	P.O. Box 1710, Glendale 5	Cal
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Bausch & Lomb	61461 Bausch St, Rochester 2	NY
Jarrell-Ash Co	26 Farwell St, Newtonville	Mass
Process & Instruments	15 Stone Ave, Brooklyn 33	NY
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY

SPECTRUM AMPLIFIERS *–MICROWAVE* See AMPLIFIERS *–MICROWAVE*
SPECTRUM AMPLIFIERS – R-F See AMPLIFIERS – R-F
SPECTRUM ANALYZERS See ANALYZERS *–SPECTRUM*
SPEECH INPUT CONSOLES See CONSOLES – *A-F CONTROL*
SPEECH SCRAMBLERS See SCRAMBLERS *–SPEECH*
SPEED CONTROLS *–MOTORS* See CONTROLS *–MOTOR SPEED*
SPEED METERS *–AUTO* See METERS *–SPEED*
SPEED REDUCERS See DRIVES *–VARIABLE-SPEED*
SPEED-SENSING CONTROLS See TACHOMETERS

SPIDERS *–SPEAKER*

Hawley Products Co.	St. Charles	Ill

SPINNINGS See METAL PARTS *–SPINNINGS*

SPLICERS *–MAGNETIC TAPE*

Alonge Products Inc	163 W. 23rd St, New York 11	NY
Argonne Electronics Mfg. Corp	165-11 South Rd, Jamaica 33	NY
Electromation Co.	1646 18th St, Santa Monica	Cal
Gordon Enterprises	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Robins Industries Corp	36-27 Prince St, Flushing 54	NY
Shepard Labs., Inc	Broad St at Park, Summit	NJ

SPOT WELDERS See WELDERS *–SPOT*
SPRAY SYSTEMS *–ELECTROSTATIC* See ELECTROSTATIC *–SPRAY SYSTEMS*

SPRINGS

1. ANTENNA TENSION 2. COMMON 3. INSTRUMENT HAIRSPRING 4. PRECISION

Accurate Spring Mfg. Co., 2-4	3811 W. Lake St, Chicago	Ill
Ace Spring Mfg. Co., Inc., 1-2-4	144 32 St, Brooklyn 32	NY
American Development Electronics Co., 2	212 Central Ave, Newark	NJ
Associated Spring Corp	18 Main St, Bristol	Conn
BIRNBACH RADIO CO., INC., 1, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Braun Tool & Instrument Co., Inc., H, 2-4	140 Fifth Ave, Hawthorne	NJ
Carroll Pressed Metal, Inc., 2	133 Dewey St, Worcester	Mass
Chatillon & Sons, John, 1-2-3-4	85 Cliff St, New York 38	NY
CRUCIBLE STEEL CO OF AMERICA, 2, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Dudek & Bock Spring & Mfg. Co., 2-4	4014 W. Grand Ave, Chicago 51	Ill
Electronic Parts Mfg. Co., Inc., 4	508-10 25th St, Union City	NJ
Gordon Enterprises, 2-3	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Instrument Specialties Co., Inc., 4	254 Bergen Blvd, Little Falls	NJ
Jones & Roy Co., 4	620 Commercial Ave, Covina	Cal
Lee Spring Co., Div of Leetronics, Inc., 2-4	30 Main St, Brooklyn 1	NY
Leetronics, Inc., 4	30 Main St, Brooklyn	NY
Lewis Spring & Mfg. Corp	2646 North Ave, Chicago 47	Ill

Mid-West Spring Mfg. Co., 1-2-3-4	4632 S. Western Ave, Chicago	Ill
Newcomb Spring Corp., The, 2-4	228 College Hwy, Valley Stream	NY
PIC Design Corp., Sub of Benrus Watch Co., Inc., 4	477 Atlantic Ave, East Rockaway	NY
Precision Products Co., Inc of Waltham, 3-4	26 Bedford St, Waltham 54	Mass
Reliable Spring & Wire Forms Co., 1-2-4	Fulton Rd & Paris Ave, Cleveland 9	Ohio
Steel Co., Herman D., 3-4	Lafayette Bldg, Philadelphia 6	Pa
UCINITE CO., DIV., UCC, 1, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Wind Turbine Co., 1	E. Market St & Penna R.R., W. Chester	Pa

SQUARE-WAVE GENERATORS See **GENERATORS** –*SIGNAL*

STABILIZERS –*INERTIAL*

Bell Aircraft Corp	P.O. Box 1, Buffalo 5	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn

STABILIZING AMPLIFIERS See **AMPLIFIERS** –*COMPUTER*
STABLE PLATFORMS See **PLATFORMS**
STAINLESS STEEL See **STEEL** –*STAINLESS*
STALOS See **OSCILLATORS** – R-F
STAMPED CIRCUITS See **CIRCUITS** –*PRINTED WIRING, CUSTOM SERVICE*
STAMPING MACHINES See **MACHINES** –*HOT-STAMPING:* **MACHINES** – *MARKING & NUMBERING:* **MACHINES** –*FORMING*
STAMPING & PUNCHINGS –*PLASTICS* See **PLASTICS** –*FINISHED PARTS*
STAMPINGS –*METAL* See **METAL PARTS** –*SMALL METAL STAMPINGS*
STAMPINGS –*PAPER* See **PAPER**

STAMPS –*MARKING*

Heller Roberts Mfg. Corp	700 Jamaica Ave, Brooklyn 8	NY
MARKEM MACHINE CO., Adv Pg 459	**150 Congress St, Keene**	**NH**
Mayer Co., George J.	546 E. Market St, Indianapolis	Ind
Neuses, Inc., P.K.	511 N. Dwyer St, Arlington Heights	Ill
Numberall Stamp & Tool Co	Huguenot Park, Staten Island 12	NY
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**

STAMPS –*SCHEMATIC SYMBOL* See **DRAFTING SUPPLIES**
STANDARD CELLS See **CELLS** –*STANDARD*

STANDARDS
1. A-C VOLTAGE, ELECTRONIC 2. CAPACITANCE 3. D-C VOLTAGE, ELECTRONIC 4. FREQUENCY, A-F 5. FREQUENCY, ATOMIC TYPE 6. FREQUENCY, MICROWAVE 7. FREQUENCY, R-F 8. INDUCTANCE 9. PHASE 10. Q STANDARD COILS ONLY See **COILS**
11. RESISTANCE 12. TIME

ACCURATE INSTRUMENT CO., INC., 4-12, Adv Pg 545	**2422 Brazard St, Houston 6**	**Tex**
ACTON LABS, INC., 9, Adv Pg 222	**533 Main St, Acton**	**Mass**
Airmec., 7-12	High Wycombe, Buckinghamshire, England	
Airtec, Inc., 6	139 E. First Ave, Roselle	NJ
AMERICAN TIME PRODUCTS, INC., 4-12, Adv Pg 284	**61-20 Woodside Ave, Woodside 77**	**NY**
ARCO ELECTRONICS, INC., 2, Adv Pg 324	**64 White St, New York 13**	**NY**
Arkay Engineering, Inc., 4	1630 Euclid St, Santa Monica	Cal
Avien Corp., 1-3	58-15 Northern Blvd, Woodside 77	NY
Axel Resistor Corp., 11	134-20 Jamaica Ave, Richmond Hill	NY
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
Barnes Development Co., 11	213 W. Baltimore Pike, Lansdowne	Pa
BECKMAN/BERKELEY DIV., 4-7, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
BOONTON ELECTRONIC CORP., 2, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
BORG EQUIPMENT DIV., AMPHENOL-BORG ELECTRONICS CORP., 4-12, Adv Pg 269	**120 S. Main, Janesville**	**Wisc**
Browning Labs., Inc., 12	100 Union Ave, Laconia	NH
Calibration Standards Corp., 1-3	1130 W. Fifth Ave, Pomona	Cal
Consolidated Controls Corp., 1	6 Durant Ave, Bethel	Conn
CONTROL ELECTRONICS CO., INC., 4-5-6-7-9-12, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 2, Adv Pg 321	**South Plainfield**	**NJ**
DAVEN CO., 11, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 1-3	2530-32 N. Elston Ave, Chicago	Ill
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 1-3, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Delta-F, Inc., 1-4-7	113 E. State St, Geneva	Ill
Designers for Industry, 1-2-3-4-7-12	4241 Fulton Pkwy, Cleveland 9	Ohio
Djeco, Div., Djordjevic Engrg Co., 1-3	1933 N. Damen, Chicago 47	Ill
Donner Scientific Co., 3	888 Galindo St, Concord	Cal
Dytronics, 9	P.O. Box 3676, Columbus 14	Ohio
EIR Corp., 3-11	5177 Overland Ave, Culver City	Cal
Electro Instruments, Inc., 1-3	3540 Aero Ct, San Diego	Cal
ELECTRO SCIENTIFIC INDUSTRIES INC., 11, Adv. Pgs. 138, 139	**7524 S.W. Macadam, Portland 19**	**Ore**
Electronic Applications, Inc., 2-4-6-7	194 Richmond Hill Ave, Stamford	Conn
Electronic Development Corp., 3	423 W. Broadway, Boston 27	Mass
Engineered Magnetics Div., Gulton, 4	13041 Cerise Ave, Hawthorne	Cal
Epic, Inc., 2-11	150 Nassau St, New York 38	NY
Exact Engineering & Mfg., Inc	Box 447, Oceanside	Cal
Fluke Mfg. Co., Inc., John, 1-3	P.O. Box 7161, Seattle 33	Wash
Foto-Video Electronics, Inc., 6-7-12	36 Commerce Rd, Cedar Grove	NJ
FREED TRANSFORMER CO., INC., 8, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
G B COMPONENTS, INC., 3-11, Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GENERAL COMMUNICATION CO., 7, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL RADIO CO., 2-4-7-8-11-12, Adv Pg 285	**West Concord**	**Mass**
Geotechnical Corp., 7-12	3401 Shiloh Rd, Garland	Tex
Gertsch Products, Inc., 1-6-7-9	3211 S. La Cienega, Los Angeles 16	Cal
Gibbs Mfg. & Research Corp., 4	454 N. Main St, Janesville	Wisc
Gombos Co., Inc., John, 6	Webro Rd, Clifton	NJ
GRAY INSTRUMENT CO., 11, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Greenray Industries, Electronic's Div., 4-7	Mechanicsburg	Pa
Gyrex Corp., 4-12	3003 Pennsylvania Ave, Santa Monica	Cal
Hathaway Instruments, Inc., 1	5800 E. Jewell Ave, Denver 22	Colo
HERMES ELECTRONICS CO., 7-12, Adv Pg 470	**75 Cambridge Pkwy, Cambridge 42**	**Mass**
HEWLETT-PACKARD CO., 1-3-4-7-10-12, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Holt Instrument Laboratories, 1	Oconto	Wisc
INDUSTRIAL TEST EQUIPMENT CO., 4-9, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
JULIE RESEARCH LABS., 3-11, Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KAY ELECTRIC CO., 12, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KIN TEL DIV., COHU ELECTRONICS, 1-3, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
KNIGHTS CO., JAMES, 7-12, Adv Pg 17	**Sandwich**	**Ill**
Knopp, Inc., 1	1307 66 St, Oakland 8	Cal
LAVOIE LABORATORIES, INC., 7, Adv Pg 262	**Morganville**	**NJ**
Leeds & Northrup Co., 2-3-8-11	4970 Stenton Ave, Philadelphia 44	Pa
MacLeod & Hanopol, Inc., 2	10 Roland St, Charlestown 29	Mass
MANSON LABORATORIES, INC., 6-7, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Marconi's Wireless Telegraph Co., Ltd., 7	750 Third Ave, New York 17	NY
Marstan Electronics Corp., 12	204 Babylon Tnpk, Roosevelt	NY
Microtech, Inc., 6	Milldale Rd, Cheshire	Conn
MID-EASTERN ELECTRONICS, INC., 1-3-11, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Milgo Electronic Corp., 12	7620 N.W. 36th Ave, Miami 47	Fla
Minn-Honeywell, Industrial Div., 11	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell, Rubicon Instruments, 11	Ridge at 35 St, Philadelphia 32	Pa
Monitor Products Co., 4-7	815 Fremont Ave, South Pasadena	Cal
NATIONAL RADIO CO., 5, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
New England Scientific Instruments Co., 2-8-11	238 Main St, Cambridge 42	Mass
New London Instrument Co., 7	P.O. Box 189, New London	Conn
NORRMAN LABORATORIES, ERNST, 4-7-12, Adv Pg 298	**Williams Bay**	**Wisc**
NORTH HILLS ELECTRIC CO., INC., 3, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
NORTHEASTERN ENGINEERING, INC., 7-12, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
NORTHERN ENGINEERING LABS., INC., 4-7, Adv Pg 554	**372 Wilmot Ave, Burlington**	**Wisc**
Philamon Laboratories, Inc., 4	90 Hopper St, Westbury	NY
PHYSICS RESEARCH LABS., INC., 11, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
Pitometer Log Corp., 6-7-9	237 Lafayette St, New York 12	NY
PORTCHESTER INSTRUMENT CORP., 6, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 6, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radiation, Inc., 1-3	Melbourne	Fla
RADIO FREQUENCY LABS., INC., 1-3, Adv Pg 116	**Boonton 2**	**NJ**
Radiometer, 1	72 Emdrupvej, Copenhagen NV 1, Denmark	
Remanco, Inc., 1-3-4-9	1805 Colorado, Santa Monica	Cal
Riverbank Laboratories Dept of Engineering, 4	P.O. Box 65, Geneva	Ill
Rodale Electronics, 2-3-4	562 Grand Blvd, Westbury	NY
Rohde & Schwarz, USA, Inc., 2-4-7-12	P.O. Box 275, Passaic	NJ
SENSITIVE RESEARCH INSTRUMENT CORP., 3, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SHALLCROSS MFG. CO., 11, Adv Pg 148	**Selma**	**NC**
Smith-Florence, Inc., 3	4228 23rd W., Seattle	Wash
Strand Laboratories, Inc., 6	294 Centre St, Newton 58	Mass
Sullivan Ltd., H.W., 2-8-10-11	80 Shore Rd, Port Washington	NY
TECHNOLOGY INSTRUMENT CORP., 9, Adv Pg 223	**533 Main St, Acton**	**Mass**
Tenlo Research Corp., 1	9424 Lyndale Ave S., Minneapolis 20	Minn
THETA INSTRUMENT CORP., 9, Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Times Facsimile Corp., 4	540 W. 58th St, New York 19	NY
Tinsley Instruments (Canada), Ltd., 8-11	P.O. Box 99, Smiths Falls, Ontario, Canada	
Transformers, Inc., 2-8-12	200 Stage Rd, Vestal	NY
Ultronix, Inc., 11	111 E. 20th Ave, San Mateo	Cal
Van Norman Industries, Elect Div., 4-7	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 6-7-12, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
VARO MFG. CO., INC., 1-3-4-9-10, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Venner Electronics Ltd., 4-12	Kingston B-Pass, New Malden, England	
Viking Industries, Inc., 1-3	21343 Roscoe Blvd, Canoga Park	Cal
Waltham Electronics Corp., 7	751 Main St, Waltham 54	Mass
Wayne Kerr Corp., 2-7	1633 Race St, Philadelphia 3	Pa
Westrex Corp., Div., Litton Industries, 4-7-12	540 W. 58 St, New York 19	NY
Wintronics, 9	213 S. Hawthorne Blvd, Hawthorne	Cal
Zenith Radio Corp., 12	6001 Dickens Ave, Chicago 39	Ill

STANDARDS –*CALIBRATION SERVICES*

Booth Co., Arthur E.	265 S. Alexandria Ave, Los Angeles 4	Cal
CHESAPEAKE INSTRUMENT CORP., Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Digital Service Labs	23922 Crenshaw Blvd, Torrance	Cal
Douglas Radio Labs	176 Norfolk Ave, Boston 19	Mass
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
Eppley Lab., Inc	12 Sheffield Ave, Newport	RI
Flexonics Corp	1417 S. 3rd Ave, Maywood	Ill
Fluke Mfg. Co., Inc., John	P.O. Box 7161, Seattle 33	Wash
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
G B COMPONENTS, INC., Adv Pg 566	**14621 Arminta St, Van Nuys**	**Cal**
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Holt Instrument Laboratories	Oconto	Wisc
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
Knopp, Inc	1307 66 St, Oakland 8	Cal
LAVOIE LABORATORIES, INC., Adv Pg 262	**Morganville**	**NJ**
NORTHERN ENGINEERING LABS., INC Adv Pg 554	**372 Wilmot Ave, Burlington**	**Wisc**
PHYSICS RESEARCH LABS., INC., Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
SENSITIVE RESEARCH INSTRUMENT CORP., Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

STANDING-WAVE DETECTORS See **DETECTORS** –*STANDING-WAVE*
STANDOFF INSULATORS See **INSULATORS** –*ANTENNA*

STANDS
1. MICROPHONE 2. SPEAKER 3. WAVEGUIDE

Airtec, Inc., 3	139 E. First Ave, Roselle	NJ
American Geloso Electronics, 1	251 Park Ave S., New York	NY
AMERICAN MICROPHONE MFG. CO., 1, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Astatic Corp., The, 1	Conneaut	Ohio
Atlas Sound Corp., 1-2	1443 39th St, Brooklyn 18	NY
Belmar Wheel & Machine Co., 1	1707 F St, Belmar	NJ
Bruel & Kjaer, 1	Lindealle 23, Naerum, Denmark	
C W S Waveguide Corp., 3	301 W. Hoffman Ave, Lindenhurst	NY
DEMORNAY-BONARDI, 3, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Dukane Corp., 1	St. Charles	Ill
Electro Voice, Inc., 1	Buchanan	Mich
GATES RADIO CO., 1, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Henry & Miller Industries, Inc., 3	675 Garfield Ave, Jersey City 5	NJ
Hi-Lo Mfg. Corp., 1	1122 W. Newport Ave, Chicago 13	Ill
Luxo Lamp Corp., 1	Dock St, Port Chester	NY
Narda Microwave Corp., 3	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc., 3	P.O. Box 308, Rowley	Mass
Radar Measurements Corp., 3	190 Duffy Ave, Hicksville	NY
Radio Corp of America Indl Electronic Prods, 1	Front & Cooper, Camden	NJ
Radio Mfg. Engineers, Div., Electro Voice, Inc., 1	Buchanan	Mich
Snyder Mfg. Co., 1	22 & Ontario St, Philadelphia	Pa
Sonotone Corp., 1	P.O. Box 200, Elmsford	NY
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Tricraft Products Corp., 1	1124 W. Newport Ave, Chicago 13	Ill
Waveline, Inc., 3	P.O. Box 718, Caldwell	NJ

STAPLING MACHINES See **MACHINES** –*STAPLING*
STATIC CONTROLS See **REACTORS** –*SATURABLE:* **AMPLIFIERS** –*MAGNETIC*
STATIC REJECTORS –*ELECTRONIC*
STEATITE See *CERAMICS*

STEEL
1. BARS & RODS 2. SHEETS 3. SHEETS, PLASTIC-COATED OR LAMINATED-TUBING: See **TUBING** –*METALLIC-WIRE:* See **WIRE** –*BARE*

Allegheny Ludlum Steel Corp., 1-2	2020 Oliver Bldg, Pittsburgh 22	Pa
Armco Steel Corp., 2	703 Curtis St, Middletown	Ohio
Carpenter Steel Co., 1	6th & Washington, Reading	Pa
Composite Industrial Metals, Inc., 3	235 Georgia Ave, Providence 5	RI
CRUCIBLE STEEL CO OF AMERICA, 1-2, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Eaton Mfg. Co., Reliance Div., 1	25 Charles Ave S.E., Massillon	Ohio
Firth Sterling, Inc., 1	3115 Forbes Ave, Pittsburgh	Pa
Northern Plastics Corp., 3	Second & Market Sts, LaCrosse	Wisc
Republic Steel Corp., 1-2	Republic Bldg, Cleveland 1	Ohio
Ryerson & Son, Inc., J.T., 1-2	2558 W. 16th St, Chicago 8	Ill
Schjeldahl Co., G.T., 3	P.O. Box 170, Northfield	Minn
Summit Industries, Inc., 3	2114 W. Rosecrans Ave, Gardena	Cal
Timken Roller Bearing Co., 1	Canton 6	Ohio
U.S. Steel Corp., 1-2-3	525 Wm Penn Pl, Pittsburgh 30	Pa

STEEL –*ELECTRIC (FOR CORES)*
1. PUNCHED LAMINATIONS 2. SHEETS, STRIPS & COILS

Allegheny Ludlum Steel Corp., 1-2	2020 Oliver Bldg, Pittsburgh 22	Pa
Armco Steel Corp., 2	703 Curtis St, Middletown	Ohio
Carpenter Steel Co., 2	6th & Washington, Reading	Pa
Carroll Pressed Metal, Inc., 1	133 Dewey St, Worcester	Mass
Cox Mfg. Co., 1	807 Fredericksburg Rd, San Antonio 1	Tex
Hamilton Watch Co., Precision Metals Div., 2	Lancaster	Pa
Jandor, Inc., 1	428 Salem Ave, Dayton 6	Ohio
Laminations Co., 1	302 Main St, Stamford	Conn
Republic Steel Corp., 2	Republic Bldg, Cleveland 1	Ohio
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 2, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
THOMAS & SKINNER, INC., 1-2, Adv Pg 532	**1122 E. 23rd St, Indianapolis 5**	**Ind**
U.S. Steel Corp., 2	525 Wm Penn Pl, Pittsburgh 30	Pa

STEEL –*STAINLESS*
1. BARS & RODS 2. SHEETS 3. STRIP-TUBING: See **TUBING** –*METALLIC 3. STRIP*

Allegheny Ludlum Steel Corp., 1-2-3	2020 Oliver Bldg, Pittsburgh 22	Pa
American Silver Co., Inc., 3	36-07 Prince St, Flushing 54	NY
Armco Steel Corp., 1-2-3	703 Curtis St, Middletown	Ohio
Bishop & Co., J., Platinum Works, 1	Malvern	Pa
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
Carpenter Steel Co., 1-3	6th & Washington, Reading	Pa
Carpenter Steel Co., Webb Wire Div., 1	New Brunswick	NJ
Chase Brass & Copper Co., Inc., 1-2-3	236 Grand St, Waterbury 20	Conn
CRUCIBLE STEEL CO OF AMERICA, 1-2-3, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Driver-Harris Co., 1	202 Middlesex St, Harrison 13	NJ
Eaton Mfg. Co., Reliance Div., 1	25 Charles Ave S.E., Massillon	Ohio
Firth Sterling, Inc., 1	3115 Forbes Ave, Pittsburgh	Pa
Hamilton Watch Co., Precision Metals Div., 3	Lancaster	Pa
Houston Fearless Corp., 1-2-3	11801 W. Olympic Blvd, Los Angeles 64	Cal
Laminated Shim Co., Inc., 2	4601 Union St, Glenbrook	Conn
A.D. Mackay, Inc., 2-3	198 Broadway, New York 38	NY
Republic Steel Corp., 1-2-3	Republic Bldg, Cleveland 1	Ohio
Riverside-Alloy Metal Div., H.K. Porter., Inc., 1-3	1 Pavilion Ave, Riverside	NJ
Ryerson & Son, Inc., J.T., 1-2-3	2558 W. 16th St, Chicago 8	Ill
Seymour Mfg. Co., The, 3	15 Franklin St, Seymour	Conn
Somers Brass Co., 3	94 Baldwin Ave, Waterbury	Conn
Steel Heddle Mfg. Co., 3	2100 W. Allegheny Ave, Philadelphia 32	Pa
Superior Steel Div., Copperweld Steel Co., 3	Carnegie	Pa
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 3, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
U. N. Alloy Steel Corp., 1-2-3	361 Dorchester Ave, Boston 27	Mass
U.S. Steel Corp., 1-2-3	525 Wm Penn Pl, Pittsburgh 30	Pa
Wallingford Steel Co., 3	Valley St, Wallingford	Conn

STEPPING MOTORS See **MOTORS**
STEPPING SWITCHES See **SWITCHES** –*MULTICONTACT*
STEREO See **AMPLIFIERS-A-F,** *STEREO:* **HEADS** –*RECORDING, MAGNETIC TAPE:* **PHONOGRAPHS** –*STEREO:* **PICKUPS** –*PHONOGRAPH, STEREO:* **PREAMPLIFIERS** –*STEREO:* **RECEIVERS** –*RADIO: ENTERTAINMENT, STEREO:* **RECORDERS** –*MAGNETIC TAPE, STEREO*

STETHOSCOPES –*AMPLIFYING*

Electro-Medical Lab., Inc	South Woodstock 8	Vt
Maico Electronics, Inc	21 N. 3rd St, Minneapolis 1	Minn
Waber Electronics, Inc	Hancock & Sommerset, Philadelphia 33	Pa

STILLS See **DEMINERALIZERS & STILLS** –*WATER*

STIMULATORS –*MEDICAL ELECTRONIC*

AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
BIRTCHER CORP., Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Grass Instrument Co	101 Old Colony Ave, Quincy	Mass
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Mooradian High Frequency Labs	13 E. Fort Lee Rd, Bogota	NJ
Multitone of Canada Ltd	130 Merton St, Toronto 7, Canada	
Teca Corp	80 Main St, White Plains	NY
21 Century Electronics, Inc	P.O. Box 2326, Riverside	Cal

STOOLS See **BENCHES & STOOLS**
STORAGE BATTERIES See **BATTERIES**
STORAGE BOXES See **BOXES** –*SHIPPING & STORAGE*
STORAGE –*COMPUTER* See **MEMORIES** –*COMPUTER*
STORAGE TUBES See **TUBES** –*CATHODE RAY*

STRAIGHTENERS –*TUBE PIN*

G-C ELECTRONICS CO., Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Ross Co., Milton	239 Jacksonville Rd, Hatboro	Pa
Star Expansion Products, Inc	P.O. Box 108, Mountainville	NY

STRAIN CONTROLS See **CONTROLS** –*STRAIN*
STRAIN-GAGE AMPLIFIERS See **AMPLIFIERS** –*INSTRUMENTATION*
STRAIN-GAGE BRIDGE CALIBRATORS See **CALIBRATORS** –*TRANSDUCER*
STRAIN GAGES See **GAGES** –*STRAIN*
STRAIN INDICATORS See **INDICATORS** –*STRAIN*
STRAIN INSULATORS See **INSULATORS** –*ANTENNA*
STRAIN RECORDERS See **RECORDERS** –*STRAIN*
STRAIN RELIEFS See **RELIEFS** –*STRAIN*

STRETCHERS –*LINE, MICROWAVE*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

STRIP CHART RECORDERS See **RECORDERS** –*GRAPHIC*

STRIP-LINE COMPONENTS –*MICROWAVE (Incl. FILTERS)*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Melabs	3300 Hillview Ave, Palo Alto	Cal
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Merrimac Research & Development, Inc	517 Lyons Ave, Irvington	NJ
Microphase Corp	Box 1166, Greenwich	Conn
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
RS ELECTRONICS CORP., Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**

STRIPPERS –*WIRE*
1. AUTOMATIC 2. AUTOMATIC STRANDED-WIRE WITH TIN-REFLOWING HEATER 3. CHEMICAL 4. HAND 5. HOT-WIRE

Aero Research Instrument Co., 4	315 N. Aberdeen St, Chicago 7	Ill
Artos Engineering Co., 1	2737 S. 28th St, Milwaukee	Wisc
Barco Chemical Products Co., 3	701-703 S. La Salle, Chicago 5	Ill
Blonder-Tongue Laboratories, Inc., 4	Dept EBG, 9 Alling St, Newark 2	NJ
Carpenter Mfg. Co., Inc., 1-4-5	Highbridge Rd, DeWitt 14	NY
Division Lead Co., 3	7742 W. 61st Pl, Summit	Ill
Electronic Applications, Inc., 4-5	194 Richmond Hill Ave, Stamford	Conn
Fidelity Chemical Products Corp., 3	472 Frelinghuysen Ave, Newark	NJ
G-C ELECTRONICS CO., 4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
High Speed Hammer Co., 1	Rochester	NY
Holub Industries, Inc., 1-4	488 Elm St, Sycamore	Ill
Hunter Sales Co., Inc., R. N., 4	9851 Alburtis Ave, Sante Fe Springs	Cal
Hunter Tool Co., 4	9851 Alburtis, Santa Fe Springs	Cal

Ideal Industries, Inc., 4-5	5103 Park Ave, Sycamore	Ill
Induction Heating Corp., 2	181 Wythe Ave, Brooklyn 11	NY
Isochem Resins Co., 3	221 Oak St, Providence 9	RI
Jennings Machine Corp., 1	3452 Ludlow St, Philadelphia 4	Pa
Klein & Sons, Mathias, 4	7200 McCormick Rd, Chicago 45	Ill
London Chemical Co., 3	1535 N. 31 Ave, Melrose Park	Ill
MacDermid Inc., 3	526 Huntington Ave, Waterbury 20	Conn
Metachem Resins Corp., 3	530 Wellington Ave, Cranston 10	RI
Millen Mfg. Co., Edward L., 1	90 Summit Ave, Brookline	Mass
Oakite Products, Inc., 3	79 Rector St, New York 6	NY
Reeve Electronics, Inc., 2	609 W. Lake St, Chicago 6	Ill
Rush Wire Stripper Div., Eraser Co., 1-4	1068 S. Clinton St, Syracuse 4	NY
Smith, Inc., Herman H., 4	2326 Nostrand Ave, Brooklyn 10	NY
Technical Devices Co., 1	11242 Playa Ct, Culver City	Cal
THOMAS INSTRUMENT CO., 1, Adv Pg 522	**Three River, Phoenix**	**NY**
Vaco Products Co., 4	317 E. Ontario, Chicago	Ill
WALSCO ELECTRONICS MFG. CO., 1-4, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Wassco Electric Products Corp., 5	2032 2nd Ave, St. Petersburg 12	Fla
WENCO MFG. CO., (SIMPLEX), 1-4, Adv Pg 560	**1133 W. Hubbard St, Chicago 22**	**Ill**
Western Electronic Products Co., 4-5	2420 N. Lake Ave, Altadena	Cal
Wire Stripper Co., 1-4	1722 Eastham Ave, East Cleveland 12	Ohio
Wybar Electronics, Inc	P.O. Box 388, Auburn	NY
Wye Industries, 3	6 General Devine Way, Boston 27	Mass

STRIPS *–GROUNDING*

Accurate Electronics Corp	Dept G, 169 Abbe Rd S., Elyria	Ohio
Blaco Manufactruing Co	6541 Euclid Ave, Cleveland 3	Ohio
Technical Wire Products, Inc	48 Brown Ave, Springfield	NJ

STRIPS *–MOUNTING & TERMINAL* See **BOARDS** *–TERMINAL STRIP*
STRIPS *–METAL* See *METAL DESIRED*

STRIP TRANSMISSION LINES *–MICROWAVE*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**

STROBOSCOPES
1. EXTERNALLY SYNCHRONIZED 2. INTERNALLY SYNCHRONIZED

AEG, 1-2	Hochhaus Sued, Frankfurt/Main, Germany	
Aerotronic Associates, 1-2	P.O. Box 367, Contoocook	NH
Arizona Instrument Corp., 1-2	3839 N. 39th Ave, Phoenix	Ariz
Berkshire Laboratories, 2	580 Bank Village, Greenville	NH
Chadwick Helmuth Co., 1-2	472 E. Duarte Rd, Monrovia	Cal
COMMUNICATION MEASUREMENTS LAB., INC., 1-2, Adv Pg 563	**350 Leland Ave, Plainfield**	**NJ**
Davenport Mfg. Co., 1-2	2530-32 N. Elston Ave, Chicago	Ill
Dawe Instruments Ltd., 1-2	99 Uxbridge Rd, London W5, England	
EDGERTON, GERMESHAUSEN & GRIER, INC., 1-2, Adv Pg 425	**160 Brookline Ave, Boston**	**Mass**
Electronic Brazing Co., 1-2	140 Glenridge Ave, Montclair	NJ
GENERAL RADIO CO., 1-2, Adv Pg 285	**West Concord**	**Mass**
Goodmans Industries Ltd., Axiom Works, 1	Wembley, Middlesex, England	
Hickok Electrical Instrument Co., 1-2	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 2	35 Old County Rd, Westbury	NY
Kemlite Laboratories, Inc., 1-2	1819 W. Grand Ave, Chicago 22	Ill
Kingston Electronics, Div., King, Ind., Inc., 2	Medfield	Mass
Loral Electronics Corp., 2	825 Bronx River Ave, New York 72	NY
Mayer & Co., KG, 1-2	Am Wagenberg, Neheim-Huesten 2, West Germany	
Nichols, Ltd., R.H., 1-2	4544 Dufferin St, Downsview, Ontario, Canada	
Pantek Co., 1-2	Box 17121, Foy Sta., Los Angeles 17	Cal
Philips' Gloeilampenfabrieken, N.V., 1-2	Eindhoven, Netherlands	
Scott Instrument Labs., Inc., 1	17 E. 48th St, New York 17	NY
Slaughter Co., 1-2	Piqua 9	Ohio
STICHT CO., INC., HERMAN H., 2, Adv Pg 550	**27 Park Pl, New York 7**	**NY**

STROBOSCOPE *–SYNCHRONIZER*

Aerotronic Associates	P.O. Box 367, Contoocook	NH
Chadwick Helmuth Co	472 E. Duarte Rd, Monrovia	Cal
Dawe Instruments Ltd	99 Uxbridge Rd, London W5, England	
Electronic Brazing Co	140 Glenridge Ave, Montclair	NJ
Winkler Laboratories	5225 N. 20th St, Phoenix	Ariz

STROBOSCOPIC LAMPS See **LAMPS**

STRONTIUM & STRONTIUM COMPOUNDS

Barium & Chemicals, Inc	Willoughby	Ohio
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo

STYLI See **NEEDLES**
STYLUS PRESSURE GAGES See **GAGES** *–STYLUS PRESSURE*
SUBCARRIER OSCILLATORS See **OSCILLATORS – R-F**
SUBMINIATURE AMPLIFIERS See **AMPLIFIERS – A-F**
SUBMINIATURE LAMPS See **LAMPS**

SUBMINIATURIZATION SERVICES

ACF Electronics Div	Riverdale	Md
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Amphenol Western Div., Amphenol-Borg Electronics Corp	9201 Independence Ave, Chatsworth	Cal
Beck's, Inc	298-300 E. Fifth St, St. Paul 1	Minn
Daystrom Inc., Military Electr. Div	Archbald	Pa
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
KAHLE ENGINEERING CO., Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Rye Sound Corp	145 Elm St, Mamaroneck	NY
Trionics Corp	P. O. Box 548, Madison 1	Wisc

SUMMING AMPLIFIERS See **AMPLIFIERS** *–COMPUTER*
SUNSHINE CHAMBERS See **CHAMBERS** *–ENVIRONMENTAL TEST*
SUPERSONIC EQUIPMENT See **ULTRASONIC EQUIPMENT**

SUPPRESSORS *–AUTO RADIO IGNITION*

CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Ohio Carbon Co	12508 Berea Rd, Cleveland 11	Ohio

SUPPRESSORS *–NOISE, A-F & R-F*
1. ELECTRONIC 2. FILTER-TYPE

Airesearch Mfg. Co of Ariz., 1-2	402 S. 36 St, Phoenix	Ariz
All-Tronics, Inc., 2	45 Bond St, Westbury	NY
Bellaire Electronics, Inc., 2	62 White St, Red Bank	NJ
Collcraft, Inc., 1-2	Cary	Ill
CORNELL-DUBILIER ELECTRIC CORP., 1-2, Adv Pg 321	**South Plainfield**	**NJ**
DAVEN CO., 2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Double "E" Products Co., 2	208 Standard St, El Segundo	Cal
Dynamic Electronics, Capehart Corp., 1-2	87-46 123 St, Richmond Hill 18	NY
ESC CORP., 1-2, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Electronic Transformer Co., 2	70 Washington St, Brooklyn 1	NY
G-C ELECTRONICS CO., 2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Laboratory Assoc. Inc., 2	17 E. Railroad St, Norwich	NY
Globe Electronics, Div Textron Electronics Inc., 2	22-30 S. 34th St, Council Bluffs	Iowa
Grinnel-Harris Electronics, 1-2	4132 Temple City Blvd, Rosemead	Cal
Gudeman Co., The, 1	340 W. Huron St, Chicago 10	Ill
Hallett Mfg. Co., 1-2	5910 Bowcroft St, Los Angeles	Cal
Interference Measurement Lab., 1-2	901 E. 51st St, Brooklyn	NY
International Electronics Mfg. Co., 1-2	Greenwood Acres, Annapolis	Md
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
Johnson Electronics, Inc., 2	P.O. Box 1675, Casselberry	Fla
Microphase Corp., 2	Box 1166, Greenwich	Conn
Millen Mfg. Co., James, 2	150 Exchange St, Malden	Mass
Minicord Corp of America, 1-2	1913 Atlantic Ave, Atlantic City	NJ
Moeller Instrument Co., Electronics Div., 1	132nd St & 89th Ave, Richmond Hill 18	NY
Otis Elevator Co., 2	35 Ryerson St, Brooklyn 5	NY
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Precision Electronics, Inc., 1-2	48 Merrick Rd, Rockville Centre	NY
Scott, Inc., H.H., 1	111 Powder Mill Rd, Maynard	Mass
Smith, Inc., Herman H., 2	2326 Nostrand Ave, Brooklyn 10	NY
Sprague Electric Co., 2	125 Marshall St, North Adams	Mass
Superex Electronics Corp., 2	4-6 Radford Pl, Yonkers	NY
T T Electronics, Inc., 2	P.O. Box 180, Culver City	Cal
Webster Electric Co., 2	1900 Clark St, Racine	Wisc
Western Electro-Acoustic Lab., 2	11787 San Vicente Blvd, Los Angeles	Cal

SURFACE ROUGHNESS INDICATORS See **INDICATORS** *–SURFACE-ROUGHNESS*
SURFACE ROUGHNESS RECORDERS See **RECORDERS** *–SURFACE-ROUGHNESS*
SURGE LIMITERS See **LIMITERS**
SURGE PROTECTORS See **PROTECTORS**
SURPLUS NEW & USED EQUIPMENT See **Pages 593 To 611**

SURVEYING EQUIPMENT *–ELECTRONIC*

Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	

SURVEYING EQUIPMENT *–GEOPHYSICAL & MINERAL* See **GEOPHYSICAL APPARATUS**
SUSPENSIONS *–SPEAKER CONE* See **SPIDERS**
SWEEP AMPLIFIERS See **AMPLIFIERS – R-F**
SWEEP CALIBRATORS See **GENERATORS** *–SIGNAL*
SWEEPING OSCILLATORS See **GENERATORS** *–SIGNAL, R-F SWEEP*
SWEEP RESOLVERS See **RESOLVERS**

SWITCHES *–AUTOMATICALLY OPERATED*
1. EXPLOSIVE-ACTUATED 2. FLOAT 3. INERTIA (IMPACT) 4. INTERLOCK (SAFETY) 5. LIMIT 6. MAGNET-ACTUATED 7. PRESSURE-ACTUATED, AIR (Incl. ALTITUDE) 8. PRESSURE-ACTUATED, GAS 9. PRESSURE-ACTUATED, LIQUID 10. SPEED-ACTUATED 11. THERMAL (HEAT-ACTUATED) 12. TRANSFER, ANTENNA 13. TRANSFER, ELECTRICALLY-HELD 14. TRANSFER, MECHANICALLY-HELD

AEG, 1-6	Hochhaus Sued, Frankfurt/Main, Germany	
Acro Div., Robertshaw-Fulton Controls Co., 5-7-9	2040 E. Main St, Columbus 16	Ohio
Airmec Ltd., 5	High Wycombe, Buckinghamshire, England	
Allen-Bradley Co., 2-5-6-7-8-9-13-14	136 W. Greenfield Ave, Milwaukee 4	Wisc
American Machine & Foundry Co., 12	1025 N. Royal St, Alexandria	Va
Arch Gear Works, Inc., 5	97 Holmes St, North Quincy 71	Mass
Arrow-Hart & Hegeman Electric Co., 2-5-6	103 Hawthorn St, Hartford 6	Conn
AUTOMATIC ELECTRIC SALES CORP., 6, Adv Pgs. 82, 83	**Northlake**	**Ill**
Automatic Switch Co., 6-13-14	50-56 Hanover Rd, Florham Park	NJ
Bendix Aviation Corp., Montrose Div., 8-9	South Montrose	Pa
Bergen Labs., Inc., 3	60 Spruce St, Paterson 1	NJ
Bogart Mfg. Corp., 12	315 Seigel St, Brooklyn 6	NY
Burling Instrument Co., 11	23 River Rd, Chatham	NJ
C.G.S. Labs., Inc., 12	Rt 7, Wilton	Conn
Carruthers & Fernandez, Inc., 7-9	1501 Colorado Ave, Santa Monica	Cal
Century Electronics & Instruments, 7-8-9	1333 N. Utica, Tulsa 10	Okla
Cherry Electrical Products Corp., 4-5	1650 Deerfield Rd, Highland Park	Ill
Clark Controller Co., 5-6	1146 E. 152 St, Cleveland 10	Ohio
Colvin Labs., Inc., 7-8-9	364 Glenwood Ave, East Orange	NJ

Consolidated Controls Corp., 5-7-8-9	6 Durant Ave, Bethel	Conn
Consolidated Productions, Inc., 2-3	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Continental Electronics Mfg. Co., 9-12	4212 S. Buckner Blvd, Dallas 27	Tex
Control Products, Inc., 11	306 Sussex St, Harrison	NJ
Control Switch Div., Controls Co of America, 4-5-13-14	4218 W. Lake St, Chicago 24	Ill
Controls Co of America, 9	9555 Soreng, Schiller Park	Ill
Cook Electric Co., 6-8-9-11	2700 Southport Ave, Chicago 14	Ill
Cook Technological Center, 3	6401 Oakton St, Morton Grove	Ill
Cooper Development Corp., 10	2626 S. Peck Rd, Monrovia	Cal
Cutler-Hammer, Inc., 2-5-6-7-9-11	411 N. 12 St, Milwaukee 1	Wisc
Detroit Controls, Div., American-Standard, 7-8-9	5900 Trumbull, Detroit 8	Mich
Dietz Co., Inc., Henry G., 7-8-9	12-16 Astoria Blvd, Long Island City 2	NY
Digitran Co., 5	660 S. Arroyo Pkwy, Pasadena	Cal
Dmeter Mfg. Co., Inc., 11	68 N. Broadway, Yonkers	NY
Dynex, Inc., 5	123 Eileen Way, Syosset	NY
E-T-A Products Co of America, 11	6284 N. Cicero Ave, Chicago 46	Ill
Eastern Technical Associates, Inc., 3	Main St, N. Acton	Mass
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 11	81 Lakeside Ave, West Orange	NJ
The Electric Autolite Co., 10	Champlain St, Toledo 1	Ohio
ELECTRIC REGULATOR CORP., 7-8-10, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO SEAL CORP., 6, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro-Switch & Controls, Inc., 12	5755 Camille Ave, Culver City	Cal
Electron-Radar Products, 11	4806 W. Chicago Ave, Chicago 51	Ill
Ellison Draft Gage Co., Inc., 6-7-8	546 W. Monroe St, Chicago	Ill
Fasco Industries, Inc., 5-9-11	255 N. Union, Rochester 2	NY
Fenwal, Inc., 11	**Pleasant St, Ashland**	**Mass**
Franklin-Dales Co., 11	180 E. Mill St, Akron	Ohio
Frebank Co., 7-8-9	711 W. Broadway, Glendale 4	Cal
Friez Instrument Div., Bendix Aviation Corp., 7	1400 Taylor Ave, Baltimore 4	Md
Garrett Corp., The, 7-8	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Control Co., 5-14	1212 Soldiers Field Rd, Boston 34	Mass
General Controls Co., 5-7-8-9-11	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8-9-10-11-12-13-14, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Giannini Controls Corp., 7-8-9	1600 S. Mountain Ave, Duarte	Cal
Goodrich Aviation Products, B.F., Div of B.F. Goodrich Co., 8-9	Akron	Ohio
Gordos Corp., 6	250 Glenwood Ave, Bloomfield	NJ
Gorn Electric Co., Inc., 2-9	Main St, Stamford	Conn
Gorn Electronics, Inc., Div., Gorn Electric Co., 7-8-9	843 Main St, Stamford	Conn
Guardian Electric Mfg. Co., 4-6	1621 W. Walnut St, Chicago 12	Ill
Guenther K.G., Willy, 6	1138 Massachusetts Ave, Arlington 74	Mass
Hamlin, Inc., 6	Lake & Grove Sts, Lake Mills	Wisc
Haydon Switch Inc., 3-4-5-7-8-9	536 S. Leonard St, Waterbury 20	Conn
HERMETIC SEAL CORP., 11, Adv Pg 475	**29-37 S. Sixth St, Newark 7**	**NJ**
Industrial Components, Inc., 4-5	P.O. Box 308, Beaverton	Ore
Industrial Timer Corp., 11	1407 McCarter Hwy, Newark 4	NJ
Inertia Switch, Inc., 3-6	311 W. 43 St, New York 36	NY
Instrument Systems Corp., 9-12	129-07 18th Ave, College Point 56	NY
JANCO CORP., 5, Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
JENNINGS RADIO MFG. CORP., 12, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
KEARFOTT DIV., GEN PRECISION, INC., 3-10, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co., 6	6650 S. Cicero Ave, Chicago 39	Ill
KIDDE & CO., INC., WALTER, 3-7-11, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Klann Organ Supply Co., 6-13-14	P.O. Box 2398, Waynesboro	Va
Ledex, Inc., 6	123 Webster St, Dayton 2	Ohio
Leetronics, Inc., 6-13	30 Main St, Brooklyn	NY
Licon Div., Illinois Tool Works, 5	6606 W. Dakin St, Chicago 34	Ill
Lumenite Electric Co., 2-6-13-14	407 S. Dearborn St, Chicago 5	Ill
Lundy Mfg. Corp., 6-13	Robert Ln, Glen Head	NY
McQuay-Norris Mfg. Co., 7	2320 Marconi Ave, St. Louis 10	Mo
Magnavox Co., 3-10	2131 Bueter Rd, Fort Wayne	Ind
MAXSON CORP., W.L. INSTRUMENTS DIV., 3, Adv Pg 508	**475 Tenth Ave, New York 18**	**NY**
Mechanical Ind. Production Co., 11	217 Ash St, Akron 8	Ohio
Meletron Corp., 7-8-9	950 N. Highland Ave, Los Angeles 38	Cal
Mercoid Corp., 2-5-6-7-9	4201 Belmont Ave, Chicago 41	Ill
Mercury Contacts, Inc., 6	1950 Neva Dr, Dayton 14	Ohio
Miller-Robinson Co., 7-8-9	7007 Avalon Blvd, Los Angeles 3	Cal
Milli-Switch Corp., Aff., P.R. Mallory & Co., Inc., 4-5	P.O. Box 67, Mill Creek Rd, Gladwyne	Pa
Minn-Honeywell, Missile Equipment Div., 8-9	Queen & S. Bailey, Pottstown	Pa
Minn-Honeywell Regulator Co., 5-11	2753 4th Ave S., Minneapolis 8	Minn
Model Engineering & Mfg., Inc., 3	Huntington	Ind
Mosley Electronics, Inc., 12	4610 N. Lindbergh, Bridgeton	Mo
Muter Co., 11	1255 S. Michigan, Chicago 5	Ill
Nelson Electric Mfg. Co., 3	P.O. Box 5385, Tulsa 16	Okla
Networks Electronic Corp., 6-11	14806 Oxnard St, Van Nuys	Cal
Newark Controls Co., 2-7-8-9-10	15 Ward St, Bloomfield	NJ
Pendar, Inc., 4	14744 Arminta St, Van Nuys	Cal
Photocon Research Products, 8	421 N. Altadena Dr, Pasadena	Cal
Pioneer Electronics Corp., 6	2235 S. Carmelina, W. Los Angeles 65	Cal
Radar Measurements Corp., 12	190 Duffy Ave, Hicksville	NY
Rantec Corp., 12	23999 Ventura Blvd, Calabasas	Cal
Resitron Laboratories, Inc., 12	2908 Nebraska Ave, Santa Monica	Cal
Revere Corp of America Sub., Neptune Meter Co., 2	Wallingford 2	Conn
ROTARY DEVICES CORP., 3-6-8-9, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Rotron Mfg. Co., Inc., 4	7-9 Schoonmaker Ln, Woodstock	NY
Sangamo Electric Co., 11	1201 N. 11 St, Springfield	Ill
Servomechanisms, Inc., 7	12500 Aviation Blvd, Hawthorne	Cal
Servonic Instruments, Inc., 7-8-9	640 Terminal Way, Costa Mesa	Cal
Sloan Co., Autotimer/Colorlite Divs., 3	7704 San Fernando Rd, Sun Valley	Cal
Specialties, Inc., 7	Skunks Misery Rd, Syosset	NY
Spec-Tronics, 4-9	13942 Saticoy Ave, Van Nuys	Cal
Stevens Mfg. Co., Inc., 11	P.O. Annex 1007, Lexington	Ohio
Stromberg-Carlson Div., Gen Dynamics Corp., 6	100 Carlson Rd, Rochester 3	NY
Tech Laboratories, Inc., 3-4-6	Bergen & Edsall Blvds, Palisades Park	NJ
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 11, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermocal, Div., Jamieson Labs., Inc., 3-4-5-7-8-9-11	7900 Haskell Ave, Van Nuys	Cal
Topp Industries, Inc., 3-11	5221 W. 102 St, Los Angeles 45	Cal
Torq Engineered Products, Inc., 10	28 W. Monroe St, Bedford	Ohio
Transco Products Inc., 12	12210 Nebraska Ave, L A 25	Cal
Trans-Sonics, Inc., 7	Dept. 5, Burlington	Mass
Trepac Corp of America, 13	30 W. Hamilton Ave, Englewood	NJ
Ulanet Co., George, 11	413 Market St, Newark 5	NJ
UNIMAX SWITCH DIV., W.L. MAXSON CORP., 4-5, Adv Pg 556	**Ives Rd, Wallingford**	**Conn**
United Control Corp., 2-11	4540 Union Bay Pl, Seattle 5	Wash
U.S. Science Corp., 1-3-10	5221 W. 102nd St, Los Angeles 45	Cal
Vapor Heating Corp., 11	80 E. Jackson Blvd, Chicago 4	Ill
VARO MFG. CO., INC., 10, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Veeco Vacuum Corp., 7-8	86 Denton Ave, New Hyde Park	NY
Wiancko Engineering Co., 8-9	255 N. Halstead, Pasadena	Cal
Wind Turbine Co., 12	E. Market St & Penna R.R., W. Chester	Pa
Winterburn Mfg. Co., 4-10	P.O. Box 386, Putnam	Conn
Wuerth Tube Saver Corp., 11	9125 Livernois Ave, Detroit 4	Mich
Zenith Electric Co., 6-13-14	152 W. Walton St, Chicago 10	Ill

SWITCHES *—COAXIAL CABLE* See SWITCHES *—MICROWAVE*
SWITCHES *—CONTROL* See SWITCHES *—MANUAL*
SWITCHES *—CROSSBAR* See SWITCHES *—MULTI-CONTACT*
SWITCHES *—DECADE* See SWITCHES *—MULTI-CONTACT, TAP*
SWITCHES *—DUPLEX* See SWITCHES *—MANUAL FOR DESIRED TYPE*

SWITCHES *—ELECTROCHEMICAL (LIQUID)*

Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
Bergen Labs., Inc	60 Spruce St, Paterson 1	NJ
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Goat Co., Inc., Fred	308 Dean St, Brooklyn 17	NY
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
Hamlin, Inc.	Lake & Grove Sts, Lake Mills	Wisc
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Texas Research Associates Corp.	1703 Guadalupe St, Austin	Tex

SWITCHES *—ELECTRONIC* See CONTROLS *PROVIDING REQUIRED FUNCTION*
SWITCHES *—FERRITE* See SWITCHES *—MICROWAVE*
SWITCHES *—FLOAT-TYPE* See SWITCHES *—AUTOMATICALLY OPERATED*
SWITCHES *—FOOT* See SWITCHES *—MANUAL*
SWITCHES *—HERMETICALLY SEALED* See SWITCHES *—MANUAL*
SWITCHES *—INERTIA* See SWITCHES *—AUTOMATICALLY OPERATED*
SWITCHES *—KEY-OPERATED* See SWITCHES *—MANUAL*
SWITCHES *—KNIFE* See SWITCHES *—MANUAL*
SWITCHES *—LIGHT-FLASHING* See FLASHERS
SWITCHES *—LIMIT* See SWITCHES *—AUTOMATICALLY OPERATED*
SWITCHES *—MAGNETIC AMPLIFIER* See AMPLIFIERS *—MAGNETIC*
SWITCHES *—MAGNET-OPERATED* See SWITCHES *—AUTOMATICALLY OPERATED*

SWITCHES *—MANUAL (POWER CONTROL, ON-OFF, CIRCUIT-CHANGING)*
1. FOOT 2. HERMETICALLY SEALED 3. KEY-OPERATED 4. KNIFE 5. MERCURY 6. MINIATURE 7. PRINTED-CIRCUIT TERMINAL 8. PUSHBUTTON 9. ROTARY 10. SLIDE 11. SNAP-ACTION 12. SUBMINIATURE 13. TOGGLE 14. VACUUM (HIGH-VOLTAGE)

AEG, 8	Hochhaus Sued, Frankfurt/Main, Germany	
Acro Div., Robertshaw-Fulton Controls Co., 6-8-11-12-13	2040 E. Main St, Columbus 16	Ohio
Aerovox Corp., 9	740 Belleville Ave, New Bedford	Mass
AIRFLYTE ELECTRONICS., 6-7-9, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
ALCO ELECTRONIC PRODUCTS, INC., 12-13, Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
ALDEN PRODUCTS CO., 8, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allen-Bradley Co., 1-8-13	136 W. Greenfield Ave, Milwaukee 4	Wisc
Allen Electric & Equipment Co., 9	2101 N. Pitcher St, Kalamazoo	Mich
ALLIED CONTROL CO., INC., 8-12-13, Adv Pg 48	**2 East End Ave, New York 21**	**NY**
Allied Radio Corp., 7-9	100 N. Western Ave, Chicago 80	Ill
American-Monarch Corp., 8	2801 37 Ave N.E., Minneapolis 18	Minn
Ardente Acoustic Laboratories, Ltd., 6-9-12	8/12 Minerva Rd, London N.W. 10, England	
Arrow-Hart & Hegeman Electric Co., 1-3-5-6-8-9-10-11-13	103 Hawthorn St, Hartford 6	Conn
Atlee Components, Inc., 8	8220 Lankershim Blvd, N. Hollywood	Cal
AUDIOSEARS CORP., 11, Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
Barco, Inc., 1	Box 1222, Milwaukee 1	Wisc
Barwood Electronics, Inc., 1	120 S. Maryland Ave, Glendale 5	Cal
Bennett Laboratories, Inc., 3-13	4224 Holden St, Emeryville 8	Cal
Bernco Engineering Corp., 5	2320 S. Tibbs Ave, Indianapolis	Ind
BIRNBACH RADIO CO., INC., 3-4-6-8-9-10-11-12-13, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BIRTCHER CORP., 1, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
CTS CORP., 1-6-8-9-11, Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
Cable Electric Products, 1-3-4-6-8-9-10-13	234 Daboll St, Providence	RI
Capitol Machine Co., 8	36 Balmforth Ave, Danbury	Conn
Carling Electric, Inc., 1-3-6-8-9-10-11-12-13	505 New Park Ave, W. Hartford 10	Conn
Carter Parts Co., 8	3401 Madison St, Skokie	Ill
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 6-7-8-9-10-12, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Cherry Electrical Products Corp., 6-7-8-11-12	1650 Deerfield Rd, Highland Park	Ill
CHICAGO MINIATURE LAMP WORKS, 2, Adv Pg 551	**1500 N. Ogden Ave, Chicago 10**	**Ill**
Chicago Telephone of California, 1-9-11	105 Pasadena Ave, South Pasadena	Cal
Cinema Engineering Div., Aerovox Corp., 9	1100 Chestnut St, Burbank	Cal
Circle Mfg. Co., 3-4-8-9-11-13	722 Monmouth St, Trenton 4	NJ
Clark Controller Co., 1-3-4-8	1146 E. 152 St, Cleveland 10	Ohio
CLAROSTAT MFG. CO., INC., 9-11-12, Adv Pg 129	**Dover**	**NH**
COLE ELECTRIC CO., 2-9, Adv Pg 496	**8439 Stellar Dr, Culver City**	**Cal**
Cole-Hersee Co., 1-8-9-10-11-13	20 Old Colony Ave, Boston	Mass
COLLECTRON CORP., 9, Adv Pg 446	**304 E. 45th St, New York 17**	**NY**
COMAR ELECTRIC CO., 7-12, Adv Pg 497	**3349 W. Addison, Chicago 18**	**Ill**
COMPUTER INSTRUMENTS CORP., 9, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
CONTINENTAL-WIRT ELECTRONICS CORP., 10, Adv Pg 463	**5221 Greene St, Philadelphia 44**	**Pa**
Control Products, Inc., 8-11-13	306 Sussex St, Harrison	NJ
Control Switch Div., Controls Co of America, 1-2-6-8-9-11-12-13	4218 W. Lake St, Chicago 24	Ill
Controls Co of America, 6-11-13	9555 Soreng, Schiller Park	Ill

COUCH ORDNANCE, INC., RELAY DIV., 9, Adv Pg 169	**3 Arlington St, North Quincy**	**Mass**
Cutler-Hammer, Inc., 1-3-6-8-9-11-12-13-14	411 N. 12 St, Milwaukee 1	Wisc
DAVEN CO., 2-6-7-9-10-11-12, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Decade Instrument Co., 9-11-13	P.O. Box 153, Caldwell	NJ
Detroit Controls, Div., American-Standard, 6	5900 Trumbull, Detroit 8	Mich
Digitran Co., 2-6-7-9-11-12	660 S. Arroyo Pkwy, Pasadena	Cal
Durakool, Inc., 5	1010 N. Main St, Elkhart	Ind
Eagle Electric Mfg. Co., Inc., 4-5-8-9-11-13	23-10 Bridge Plaza S., L.I. City	NY
Ebert Electronics Corp., 2-5-11	212-26 Jamaica Ave, Queens Village 28	NY
Eby Co., Hugh H., 8	4701 Germantown Ave, Philadelphia 44	Pa
EITEL-McCULLOUGH, INC., 14, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
Eldema Corp., 6-8-11-12	1805 Belcroft Ave, El Monte	Cal
Electric Switch Corp., 5	2320 S. Tibbs Ave, Indianapolis 41	Ind
Electro Development Co., 6-9	14701 Keswick St, Van Nuys	Cal
ELECTRO MINATURES CORP., 2-6-9-12, Adv Pg 356	**632 Huyler St, South Hackensack**	**NJ**
ELECTRO SEAL CORP., 2, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro-Switch & Controls, Inc., 11	5755 Camille Ave, Culver City	Cal
ELECTRO SWITCH CORP., 6-9-11-12, Adv Pg 470	**167 King Ave, Weymouth 88**	**Mass**
Electron-Radar Products, 2-5	4806 W. Chicago Ave, Chicago 51	Ill
Energy Kontrols, Inc., 2-5	15 S. First St, Geneva	Ill
Federal Pacific Electric Co., (Fifty Ave L, Inc), 9	Fifty Ave L, Newark 1	NJ
FEDERAL SCREW PRODUCTS, INC., 10-13, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
G-C ELECTRONICS CO., 9-10-13, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GAMEWELL CO., THE, 9, Adv Pg 307	**1238 Chestnut St, Newton Upper Falls 64**	**Mass**
General Control Co., 1-3-6-8-13	1212 Soldiers Field Rd, Boston 34	Mass
General Controls Co., 1-2-5-6-11	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6-7-8-9-10-11-12-13-14, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 9, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Circuit Protective Devices Dept., 4-13	41 Woodford Ave, Plainville	Conn
General Electric Co., Distribution Assemblies Dept., 4-8-13	41 Woodford Ave, Plainville	Conn
GENERAL HERMETIC SEALING CORP., 2-13, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
Gibbs Mfg. & Research Corp., 7	454 N. Main St, Janesville	Wisc
Glass-Tite Industries, Inc., 2-5	725 Branch Ave, Providence 4	RI
Gordos Corp., 5	250 Glenwood Ave, Bloomfield	NJ
GRAPHIK-CIRCUITS DIV., CINCH, 9-10, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
GRAYHILL, INC., 6-7-8-9-11-12, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Grigsby Co., Inc., 6-7-8-9-10-12	407 N. Salem Ave, Arlington Heights	Ill
Guardian Electric Mfg. Co., 2-6-9-10-11-12	1621 W. Walnut St, Chicago 12	Ill
Guenther K.G., Willy, 2-5	1138 Massachusetts Ave, Arlington 74	Mass
Hamilton Watch Co., Industrial Div., 9	Lancaster	Pa
Hamlin, Inc., 5	Lake & Grove Sts, Lake Mills	Wisc
HART MFG. CO., 2-7-9-10-11-13, Adv Pg 362	**242 Bartholomew Ave, Hartford 1**	**Conn**
Harvey Hubbell, Inc., 11-13	State St & Bostwick Ave, Bridgeport 2	Conn
Haydon Switch Inc., 2-6-8-11-12-13	536 S. Leonard St, Waterbury 20	Conn
HERMETIC SEAL CORP., 2-5-11, Adv Pg 475	**29-37 S. Sixth St, Newark 7**	**NJ**
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 14	2 Churchill Rd, Hingham 1	Mas
Hughes Microwave Components Div., 9	Florence & Teale, Culver City	Cal
HUGHES VACUUM TUBE PRODUCTS DIV., 14, Adv Pg 149	**Oceanside**	**Cal**
I. H. Manufacturing Co., 10	121 Greene St, New York 12	NY
Industrial Components, Inc., 1	P. O. Box 308, Beaverton	Ore
INDUSTRIAL DEVICES, INC., 9, Adv Pg 558	**Edgewater 8**	**NJ**
INDUSTRIAL ELECTRONIC HARDWARE CORP., 10-11, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Instrument Systems Corp., 7	129-07 18th Ave, College Point 56	NY
Interlab, Inc., 9	437-5th Ave, New York 16	NY
J-B-T INSTRUMENTS, INC., 9-11-13, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
J.F.D. ELECTRONICS CORP., 4-13, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Jaidinger Mfg. Co., Inc., 8-11	1916 W. Hubbard St, Chicago 22	Ill
JANCO CORP., 2-6-9-12, Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
Javex Electronics, 9	P.O. Box 646, Redlands	Cal
JENNINGS RADIO MFG. CORP., 14, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
JERROLD ELECTRONICS CORP., 9, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Joy Mfg. Co., 8-11-13	Dept 39, Oliver Bldg, Pittsburgh 22	Pa
Kellogg Switchboard & Supply Co., 2	6650 S. Cicero Ave, Chicago 39	Ill
Knight Electronics, 7	210 S. Des Plaines St, Chicago 6	Ill
Kolton Electric Mfg. Co., 4	123 New Jersey Railroad Ave, Newark 5	NJ
Kuhnke Electronics, H., 8-13	Malente/Holstein, Germany	
Kulka Electric Corp., 13	633 S. Fulton Ave, Mt. Vernon	NY
Leeds & Northrup Co., 3-8-9-11-13	4970 Stenton Ave, Philadelphia 44	Pa
Leviton Mfg. Co., Inc., 3-4-5-6-8-9-10-11-13	236 Greenpoint Ave, Brooklyn 22	NY
LEWIS ENGINEERING CO., 9, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Licon Div., Illinois Tool Works, 2-8-9-11-12-13	6606 W. Dakin St, Chicago 34	Ill
Lire Electric Co., 1	229 River St, Orange	NJ
Linemaster Switch Corp., 1	P.O. Box 52, Woodstock	Conn
Livingston Electronic Corp., 1	Livingston 3	NJ
McGill Mfg. Co., Inc., Electrical Div., 5-8-13	909 N. Lafayette St, Valparaiso	Ind
Mallory & Co., Inc., P.R., 2-6-7-8-9-10-11-12-13	34 S. Gray St, Indianapolis 6	Ind
Marco Industries Co., 6-8-12	207 S. Helena St, Anaheim	Cal
Marstan Electronics Corp., 11	204 Babylon Trnpk, Roosevelt	NY
Materials for Electronics, Inc., 10	152-25 138 Ave, Jamaica 34	NY
Meletron Corp., 11	950 N. Highland Ave, Los Angeles 38	Cal
Mercoid Corp., 2-5-14	4201 Belmont Ave, Chicago 41	Ill
Mercury Contacts, Inc., 5	1950 Neva Dr, Dayton 14	Ohio
Meredith & Co., Ltd., C.C., 7-9-11	80 Thomas St, Streetsville, Ontario, Canada	
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 9, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
MICRO SWITCH DIV., MINNEAPOLIS HONEYWELL, 1-2-5-6-8-9-11-12-13, Adv Pg 251	**11 W. Spring St, Freeport**	**Ill**
Milli-Switch Corp., Aff., P.R. Mallory & Co., Inc., 8-9-11-12-13	P.O. Box 67, Mill Creek Rd, Gladyne	Pa
Minn-Honeywell Regulator Co., 5-11-13	2753 4th Ave S., Minneapolis 8	Minn
Molded Insulation Co., 3-8	335 E. Price St, Phila 44	Pa
Molex Products Co., 8-13	9515 Southview Ave, Brookfield	Ill
Mossman, Inc., Donald P., 3-8	P.O. Box 265, Brewster	NY
Muirhead & Co., Ltd., 3-9	Beckenham, Kent, England	
Murray Mfg. Corp., 4	1250 Atlantic Ave, Brooklyn 16	NY
Muter Co., 6-8-10	1255 S. Michigan, Chicago 5	Ill
Network Industries Inc., 11-13	P.O. Box 397, Bayonne	NJ
Networks Electronic Corp., 2-6	14806 Oxnard St, Van Nuys	Cal
North Electric Co., 8	553 S. Market St, Galion	Ohio
Nutmeg Screw Machine Products Co., 13	P.O. Box 1470, Waterbury	Conn
OAK MFG. CO., 2-6-7-8-9-10-11-12, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Ohmite Mfg. Co., 9	3601 Howard St, Skokie	Ill
Oki & Willadsen, Ltd., 7	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Ortron Electronics, 8	29 Lincoln Ave, Orange	NJ
Pacific Scientific Co., 9	Box 22019, Los Angeles 22	Cal
Pacsol Div of Illinois Tool Works, 9-11	3155 W. El Segundo Blvd, Hawthorne	Cal
Parker Metal Goods Co., 3-13	85 Prescott St, Worcester	Mass
Pendar, Inc., 3-8-10-11	14744 Arminta St, Van Nuys	Cal
Penta Laboratories, Inc., 14	312 N. Nopal St, Santa Barbara	Cal
Permoflux Porducts Co., 1	4101 San Fernando Rd, Glendale	Cal
Pioneer Electronics Corp., 14	2235 S. Carmelina, W. Los Angeles 65	Cal
Poly Scientific Corp., 6-9-10	Rt 460 N., Blacksburg	Va
Radar Relay, Inc., 5	2322 Michigan Ave, Santa Monica	Cal
Resitron Laboratories, Inc., 14	2908 Nebraska Ave, Santa Monica	Cal
Roanwell Corp., 8-11	180 Varick St, New York 14	NY
Rofian Co., 8-9-11	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
ROTARY DEVICES CORP., 2-5-6-7-9-12, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Royal Electric Corp., 8-9	95 Grand Ave, Pawtucket	RI
Rye Sound Corp., 1-6-12	145 Elm St, Mamaroneck	NY
Sargent Electric Corp., 8-11-13	630 Merrick Rd, Lynbrook	NY
SCIENTIFIC ELECTRONIC LABS., INC., 2-14, Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Sealelectric Switch & Relay Co., 2-6-9-11	6023 N. Keystone, Chicago	Ill
SHALLCROSS MFG. CO., 6-7-8-9, Adv Pg 148	**Selma**	**NC**
Slater Electric & Mfg. Co., 2-5-11-13-14	45 Seacliff Ave, Glen Cove	NY
Slip Ring Co of America, 9	3612 W. Jefferson Blvd, Los Angeles 16	Cal
Sloan Co., Autotimer/Colorlite Divs., 8	7704 San Fernando Rd, Sun Valley	Cal
Smith, Inc., Herman H., 3-4-6-8-9-10-11-13	2326 Nostrand Ave, Brooklyn 10	NY
Smith Mfg. Co., J & H, 9	Little Britain Rd, Newburgh	NY
Spectrol Electronics Corp., 7-9	1704 S. Del Mar, San Gabriel	Cal
Spec-Tronics, 3	13942 Saticoy Ave, Van Nuys	Cal
Sperti-Faraday, 2-5-14	722 Grand St, Hoboken	NJ
Square D Co., 1-8-11-13	4041 N. Richards, Milwaukee 12	Wisc
Stackpole Carbon Co., 6-7-10-11	201 Stackpole St, St. Marys	Pa
Stromberg-Carlson Div., Gen Dynamics Corp., 3-8	100 Carlson Rd, Rochester 3	NY
SWITCHCRAFT, INC., 3-6-8-9-13, Adv Pg 478	**5537 Elston Ave, Chicago 30**	**Ill**
Tabet Mfg. Co., Inc., 7	1336 Ballantine Blvd, Norfolk	Va
Tech Laboratories, Inc., 2-6-7-8-9-11-13-14	Bergen & Edsall Blvds, Palisades Park	NJ
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 2-6-8-11-12-13, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermocal, Div., Jamieson Labs., Inc., 2-6-8-11-12-13	7900 Haskell Ave, Van Nuys	Cal
Torsion Balance Co., 6-7-12-13	Clifton	NJ
Transistor Electronics Corp., 6-8-12	3357 Republic Ave, Minneapolis 26	Minn
Trepac Corp of America, 3	30 W. Hamilton Ave, Englewood	NJ
UCINITE CO., DIV., UCC, 6-7-8-9-10-11-12, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
Ulanet Co., George, 2-11	413 Market St, Newark 5	NJ
UNIMAX SWITCH DIV., W.L. MAXSON CORP., 6-7-8-11-12-13, Adv Pg 556	**Ives Rd, Wallingford**	**Conn**
Unison Products, Inc., 6-9-12	705 W. Savidge St, Spring Lake	Mich
United Electric Controls Co., 2-11-14	85 School St, Watertown 72	Mass
United Intl Dynamics Corp., 10	243 Lexington St, Waltham 54	Mass
U.S. Instrument Corp., 9-12	P.O. Box 1191, Charlottesville	Va
Universal Circuit Controls, 1-3-8-13	3610 Oakton St, Skokie	Ill
Veeco Vacuum Corp., 14	86 Denton Ave, New Hyde Park	NY
Vemaline Products Co., 1-8	P.O. Box 222ED, Hawthorne	NJ
Wade Electric Products Co., 10-11-13	400 Jacob St, Sturgis	Mich
Wadsworth Electric Mfg. Co., Inc., 4-6-13	20 W. 11th St, Covington	Ky
WALSCO ELECTRONICS MFG. CO., 10-13, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**

SWITCHES —*MERCURY* See SWITCHES —*MANUAL*

SWITCHES —*MICROWAVE*
1. COAXIAL 2. FERRITE 3. WAVEGUIDE

Aircom, Inc., 3	48 Cummington St, Boston	Mass
Airtec, Inc., 1-2-3	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2-3	200 E. Hanover Ave, Morris Plains	NJ
Airtronics, Inc., 1-2-3	5522 Dorsey Ln, Washington 16	DC
ALFORD MFG. CO., 1, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
AMERICAN ELECTRONIC LABS., INC., 1-3, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Andrew Corp., 1-3	P. O. Box 807, Chicago 42	Ill
ANTENNA SYSTEMS, INC., 3, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Ardwin Microlab, Inc., 3	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., 1, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bendix-Pacific Div., Bendix Aviation, 1-2-3	11600 Sherman Way, North Hollywood	Cal
BIRD ELECTRONIC CORP., 1, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Bogart Mfg. Corp., 1-3	315 Seigel St, Brooklyn 6	NY
BOMAC LABORATORIES, INC., 3, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
BUDD-STANLEY CO., INC., 1-3, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp., 3	301 W. Hoffman Ave, Lindenhurst	NY
Cascade Research Div., Monogram, 1-2-3	5245 San Fernando Rd W., L A 39	Cal
Caswell Electronics Corp., 3	414 Queens Ln, San Jose 12	Cal
CONTROL ELECTRONICS CO., INC., 1-3, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Dalmo Victor Co., Div., Textron, Inc., 2-3	1515 Industrial Way, Belmont	Cal
DEMORNAY-BONARDI, 3, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-3	River St, Winchester	Mass
Dielectric Products Engrg Co., Inc., 1	Raymond	Me
Don-Lan Electronics, Inc., 1-3	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., 1-2-3, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Dow-Key Co., Inc., 1	Hwy 59 S.E., Thief River Falls	Minn
ELECTRO TEC CORP., 1, Adv Pg 429	**10 Romanelli Ave, S. Hackensack**	**NJ**
ELECTRONIC SPECIALTY CO., 1-3, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
FXR, INC., 2-3, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FERROTEC, INC., 2, Adv Pg 514	**217 California St, Newton 58**	**Mass**

General Aniline & Film Corp., Ansco Div., 3	Vestal Pkwy E., Binghamton	NY
GENERAL COMMUNICATION CO., 1-3, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Gilfillan Bros., Inc., 3	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John, 3	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co., 1-3	333 Adelaide Ave, Providence 7	RI
HEWLETT-PACKARD CO., 3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 1-3	35 Old County Rd, Westbury	NY
Hughes Microwave Components Div., 2-3	Florence & Teale, Culver City	Cal
I-T-E CIRCUIT BREAKER CO., 3, Adv Pg 449	**60T E. Erie Ave, Philadelphia 34**	**Pa**
IMTRA CORP., 12-21-23, Adv Pg 310	**11 University Rd, Cambridge 38**	**Mass**
Industrial Products-Danbury Knudsen Div., Amphenol-Borg Electronics Corp., 1	33 E. Franklin St, Danbury	Conn
Instrument Systems Corp., 1-3	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
KINGS ELECTRONICS CO., INC., 1, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Knight Corp., Ewen, 2	Oak & Pine Sts, East Natick	Mass
LIECO, INC., 1-3, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Metabs, 1-2-3	3300 Hillview Ave, Palo Alto	Cal
MICRODOT, INC., 1, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Microphase Corp., 1-3	Box 1166, Greenwich	Conn
Microtech, Inc., 3	Mildale Rd, Cheshire	Conn
Microwave Associates, Inc., 2-3	Burlington	Mass
Microwave Corp. of America, 1-2-3	P.O. Box 278, Stamford	Conn
Mullard Equipment, Ltd., 2	Torrington Pl, London W.C. 1, England	
N.R.K. Mfg. & Engineering Co., 3	4601 W. Addison St, Chicago 41	Ill
Omega Laboratories, Inc., 3	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., 1-2-3, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 3	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2-3, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Prodelin, Inc., 1	307 Bergen Ave, Kearny	NJ
Radar Design Corp., 1-3	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp., 1-3	190 Duffy Ave, Hicksville	NY
Rantec Corp., 2	23999 Ventura Blvd, Calabasas	Cal
Raytheon Co. Special Microwave Device Oper., 2	Waltham Industrial Park, Waltham 54	Mass
Sage Laboratories, Inc., 1	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., 2-3, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd., 1-3	63 Aldwych, London W. C. 2	Eng
Strand Engineering Co., 1	1354 N. Main St, Ann Arbor	Mich
Tech Laboratories, Inc., 1	Bergen & Edsall Blvds, Palisades Park	NJ
Transco Products inc., 1-3	12210 Nebraska Ave, L A 25	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 2	Balch St, Beverly	Mass
Waveguide, Inc., 3	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc., 3	P.O. Box 718, Caldwell	NJ

SWITCHES *—MINIATURE* See SWITCHES *—MANUAL*

SWITCHES *—MULTI-CONTACT*
1. CROSSBAR 2. MOTOR-DRIVEN (Incl. TELEMETERING) 3. ROTARY MULTI-DECK OR SINGLE-DECK 4. TAP

Advanced Technology Labs., 2-3	369 Whisman Rd, Mountain View	Cal
Aerovox Corp., 3	740 Belleville Ave, New Bedford	Mass
AIRFLYTE ELECTRONICS CO., 2-3, Adv Pg 364	**535-9 Avenue A, Bayonne**	**NJ**
Allen Electric & Equipment Co., 3-4	2101 N. Pitcher St, Kalamazoo	Mich
Allied Radio Corp., 3	100 N. Western Ave, Chicago 80	Ill
Allis-Chalmers Mfg. Co., 3	935 S. 70th St, Milwaukee 1	Wisc
American Bosch Arma Corp., 2	320 Fulton Ave, Hempstead	NY
Amglo Corp., 2	4333 N. Ravenswood Ave, Chicago 13	Ill
APPLIED ELECTRONICS CORP OF N.J., 2, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Arrow-Hart & Hegeman Electric Co., 4	103 Hawthorn St, Hartford 6	Conn
Ascop Div., Electro-Mechanical Research, Inc., 2	P.O. Box 44, Princeton	NJ
AUTOMATIC ELECTRIC SALES CORP., 3, Adv Pgs. 82, 83	**Northlake**	**Ill**
Bernco Engineering Corp., 2	2320 S. Tibbs Ave, Indianapolis	Ind
CTS CORP., 3, Adv Pg 81	**1142 W. Beardsley Ave, Elkhart**	**Ind**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 3-4, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Chicago Telephone of California, 3	105 Pasadena Ave, South Pasadena	Cal
Cinema Engineering Div., Aerovox Corp., 2-3	1100 Chestnut St, Burbank	Cal
Clare & Co., C.P., 3	3101 Pratt Blvd, Chicago 45	Ill
CLAROSTAT MFG. CO., INC., 3, Adv Pg 129	**Dover**	**NH**
COMPUTER INSTRUMENTS CORP., 2-3-4, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
COUCH ORDNANCE, INC., RELAY DIV., 3, Adv Pg 169	**3 Arlington St, North Quincy**	**Mass**
Cunningham Son & Co., Inc., James, 1	33 Litchfield St, Rochester	NY
DAVEN CO., 2-3-4, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Digitran Co., 3	660 S. Arroyo Pkwy, Pasadena	Cal
EMI-COSSOR ELECTRONICS LTD., 2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Eastern Specialty Co., 3-4	Philadelphia 40	Pa
ELECTRIC REGULATOR CORP., 2-3, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Development Co., 3	14701 Keswick St, Van Nuys	Cal
Electro-Mechanical Research, Inc., 2	P.O. Box 3041, Sarasota	Fla
ELECTRO SWITCH CORP., 3-4, Adv Pg 470	**167 King Ave, Weymouth 88**	**Mass**
ELECTRO TEC CORP., 2-3, Adv Pg 429	**10 Romanelli Ave, S. Hackensack**	**NJ**
Exact Engineering & Mfg., Inc., 3	Box 447, Oceanside	Cal
GENERAL COMMUNICATION CO., 2, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 2-3-4, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 3, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Circuit Protective Devices Dept., 1	41 Woodford Ave, Plainville	Conn
Gerst & Co., Paul E., 2	4868 N. Clark, Chicago 40	Ill
GRAPHIK-CIRCUITS DIV., CINCH, 2-3-4, Adv Pg 358	**200 S. Turnbull Canyon, City of Ind**	**Cal**
GRAPHITE METALLIZING CORP., 2, Adv Pg 88	**1052 Nepperhan Ave, Yonkers**	**NY**
GRAYHILL, INC., 3-4, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Grigsby Co., Inc., 2-3	407 N. Salem Ave, Arlington Heights	Ill
Guardian Electric Mfg. Co., 3-4	1621 W. Walnut St, Chicago 12	Ill
Hamilton Watch Co., Industrial Div., 2-3	Lancaster	Pa
Haydon Co., A.W., The, 2	238 N. Elm St, Waterbury	Conn
Hickok Electrical Instrument Co., 3	10514 Dupont, Cleveland 8	Ohio
IMTRA CORP., 3, Adv Pg 310	**11 University Rd, Cambridge 38**	**Mass**
Industrial Components, Inc., 3	P. O. Box 308, Beaverton	Ore
INDUSTRIAL DEVICES, INC., 3, Adv Pg 558	**Edgewater 8**	**NJ**
INSTRUMENT DEVELOPMENT LABS., INC., 2-3, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
KEARFOTT DIV., GEN PRECISION, INC., 2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kellogg Switchboard & Supply Co., 1	6650 S. Cicero Ave, Chicago 39	Ill
Klann Organ Supply Co., 1	P.O. Box 2398, Waynesboro	Va
Leeds & Northrup Co., 3	4970 Stenton Ave, Philadelphia 44	Pa
Leetronics, Inc., 2	30 Main St, Brooklyn	NY
Leviton Mfg. Co., Inc., 4	236 Greenpoint Ave, Brooklyn 22	NY
LEWIS ENGINEERING CO., 3, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
LIND INSTRUMENTS, INC., 2-3, Adv Pg 500	**357 Nassau St, Princeton**	**NJ**
Marquardt Corp., Pomona Div., 2	2709 N. Garey Ave, Pomona	Cal
Marsland Engineering, Ltd., 2-3	154 Victoria St S., Kitchener, Ontario, Canada	
Meredith & Co., Ltd., C.C., 3	80 Thomas St, Streetsville, Ontario, Canada	
MICRO-LECTRIC DIV., MICRO MACHINE WORKS, 4, Adv Pg 503	**19 Debevoise Ave, Roosevelt**	**NY**
MICRO SWITCH DIV., MINNEAPOLIS HONEYWELL, 3, Adv Pg 251	**11 W. Spring St, Freeport**	**Ill**
Muirhead & Co., Ltd., 3	Beckenham, Kent, England	
Mycalex Electronics Corp., 2	125 Clifton Blvd, Clifton	NJ
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
North Electric Co., 1-3	553 S. Market St, Galion	Ohio
OAK MFG. CO., 3-4, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Ohmite Mfg. Co., 2-3-4	3601 Howard St, Skokie	Ill
Pacsol Div of Illinois Tool Works, 2-3	3155 W. El Segundo Blvd, Hawthorne	Cal
POLLAK CORP., JOSEPH, 3, Adv Pg 536	**75-99 Freeport St, Dorchester 22**	**Mass**
Poly Scientific Corp., 2-3	Rt 460 N., Blacksburg	Va
R.B.M. Div., Essex Wire Corp., 1	Logansport	Ind
ROTARY DEVICES CORP., 2-3, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Secode Corp., 3	555 Minnesota St, San Francisco 7	Cal
SHALLCROSS MFG. CO., 3, Adv Pg 148	**Selma**	**NC**
SIGMA INSTRUMENTS, INC., 3, Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Singer Mfg. Co., Military Products Div., 3	149 Broadway, New York 3	NY
Smith Mfg. Co., J & H, 3	Little Britain Rd, Newburgh	NY
Sparton Corp., 2-3	2400 E. Ganson St, Jackson	Mich
Spectrol Electronics Corp., 2-3	1704 S. Del Mar, San Gabriel	Cal
Tech Laboratories, Inc., 1-2-3-4	Bergen & Edsall Blvds, Palisades Park	NJ
TELECHROME MFG. CORP., 2, Adv Pg 337	**28 Ronick Dr, Amityville**	**NY**
Tinsley Instruments (Canada), Ltd., 3	P.O. Box 99, Smiths Falls, Ontario, Canada	
UCINITE CO., DIV., UCC, 3-4, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Instrument Corp., 3	P.O. Box 1191, Charlottesville	Va
Vactric Control Equipment Ltd., 2	Sloane St, London SW1, England	
Virginia Electronics Co., Inc., 2	5209 River Rd, Washington 16	DC

SWITCHES *—PRESSURE* See SWITCHES *—AUTOMATICALLY OPERATED*
SWITCHES *—PRINTED-CIRCUIT* See SWITCHES *—MANUAL*
SWITCHES *—PUSHBUTTON* See SWITCHES *—MANUAL*
SWITCHES *—REED* See RELAYS *—VIBRATING-REED*
SWITCHES *—REMOTE CONTROL* See CONTROLS *—REMOTE*
SWITCHES *—ROTARY SELECTOR* See SWITCHES *—MULTI-CONTACT*
SWITCHES *—SAFETY* See SWITCHES *—AUTOMATICALLY OPERATED, INTERLOCK*
SWITCHES *—SLIDE* See SWITCHES *—MANUAL*
SWITCHES *—SNAP-ACTION* See SWITCHES *—MANUAL*
SWITCHES *—SOLID STATE* See *BASIC COMPONENT DESIRED AND CIRCUITS —PACKAGED*
SWITCHES *—STEP-TYPE* See SWITCHES *—MULTI-CONTACT*
SWITCHES *—SUBMINIATURE* See SWITCHES *—MANUAL*
SWITCHES-TR See TUBES *—TR, PRE-TR & ANTI-TR*
SWITCHES *—TAP* See SWITCHES *—MULTI-CONTACT*
SWITCHES *—TELEMETERING* See SWITCHES *—MULTI-CONTACT: COMMUTATORS*
SWITCHES *—THERMAL* See SWITCHES *—AUTOMATICALLY OPERATED*
SWITCHES *—TIME* See TIMERS
SWITCHES *—TOGGLE* See SWITCHES *—MANUAL*
SWITCHES *—VACUUM* See SWITCHES *—MANUAL*
SWITCHING COMMUTATORS See COMMUTATORS
SWITCHING DIODES See DIODES *—CRYSTAL*
SWITCHING MAGNETIC AMPLIFIERS See AMPLIFIERS *—MAGNETIC*
SWITCHING REACTORS See REACTORS *—SATURABLE*
SWITCHING TRANSISTORS See TRANSISTORS
SWITCH SEALS See SEALS *—MECHANICAL*
SYMBOLS *—PRINTED SCHEMATIC* See DRAFTING SUPPLIES
SYNCHRO-ERROR TESTERS See TESTERS *—SYNCHRO-ERROR*

SYNCHRONIZERS *—MAGNETIC TAPE TO MOVIE FILM*

Houston Fearless Corp.	11801 W. Olympic Blvd, Los Angeles 64	Cal
Magnasync Corp	5546 Satsuma Ave, North Hollywood	Cal
Rangertone, Inc	73 Winthrop St, Newark 4	NJ

SYNCHRONOUS DEMODULATORS See DEMODULATORS
SYNCHRONOUS MOTORS See MOTORS

SYNCHROS

American Electronics, Inc., Instrument Div	9503 W. Jefferson Blvd, Culver City	Cal
Bendix Aviation Corp., Montrose Div.	South Montrose	Pa
CLIFTON PRECISION PRODUCTS CO., INC., Adv. Pgs. 126, 127	**Marple at Bwy, Clifton Hghts**	**Pa**
Daystrom-Transicoil Corp	Worcester, Montgomery County	Pa
Ford Instrument Co., Div., Sperry Rand Corp.	31-10 Thomson Ave, Long Island City 1	NY
Gerst & Co., Paul E.	4868 N. Clark, Chicago 40	Ill
Harowe Precision Inc	Mount Rd, Lenni Mills	Pa
IMC MAGNETICS CORP., Adv Pg 186	**570 Main St, Westbury**	**NY**
Instrol, Inc	135 E. Dela Guerra, Santa Barbara	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ketay Dept., Norden Div., United Aircraft Corp	Jericho Trnpk, Commack	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc	80-08 45th Ave, Elmhurst 73	NY
Kollsman Motor Corp.	Mill St, Dublin	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
Norden Div., United Aircraft Corp	58 Commerce Rd, Stamford	Conn
PSP ENGINEERING CO., DIV., IMC, 1, Adv Pg 383	**8608 Otis St, South Gate**	**Cal**
Summers Gyroscope Co	2500 Broadway, Santa Monica	Cal

U.S. Gauge Div., Amer-Mach & Metals, Inc	Sellersville	Pa
Vernitron Corp	136 Church St, New York 5	NY

SYNCHROSCOPES

Analab Instrument Corp	30 Canfield Rd, Cedar Grove	NJ
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc	80-08 45th Ave, Elmhurst 73	NY
RIBET DESJARDINS, Adv. Pgs. 331-334	**13 Rue Perier, Montrouge, France**	

SYNTHETIC MICA See MICA
SYNTHETIC RUBBER See RUBBER: *RUBBER PARTS*
SYSTEMS *–REMOTE CONTROL* See CONTROLS *–REMOTE*
SYSTEM TESTERS See TESTERS *–SYSTEM*

TACHOMETERS

1. ELECTRONIC 2. GENERATOR-TYPE

Actuator Products, Div of Geartronics Corp., 2	34 Nashua St, Woburn	Mass
Airmec Ltd., 1	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Allen Electric & Equipment Co., 1	2101 N. Pitcher St, Kalamazoo	Mich
American Electronics, Inc., Instrument Div., 2	9503 W. Jefferson Blvd, Culver City	Cal
American Machine & Foundry Co., 1	1025 N. Royal St, Alexandria	Va
American Machine & Foundry Co., Government Products Group, 2	1701 K St, N.W., Washington 6	DC
Anadex Instruments, Inc., 1	14734 Arminta St, Van Nuys	Cal
B & H Instrument Co., 1	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Barber Colman Co., 2	1300 Rock St, Rockford	Ill
BECKMAN/BERKELEY DIV., 1-2, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Bendix Aviation Corp., Montrose Div., 2	South Montrose	Pa
Carter Motor Co., 2	2746 W. George St, Chicago 18	Ill
CLIFTON PRECISION PRODUCTS CO., INC., 2, Adv. Pgs. 126, 127	**Marple at Bwy, Clifton Hghts**	**Pa**
Computer Measurements Corp., 1	5528 Vineland Ave, North Hollywood	Cal
Continental Electric Co., Inc., 2	334 Ferry St, Newark 5	NJ
Control Devices, Inc., 1	925 S. Eton Rd, Birmingham	Mich
D & R Ltd., 2	402 E. Gutierrez, Santa Barbara	Cal
Data Products Co., Inc., 1	7320 Westmore Rd, Rockville	Md
Diehl Mfg. Co., 2	1129 Findeme Ave, Somerville	NJ
Digitool Corp., 1	P.O. Box 22242, Houston 27	Tex
DYMEC, DIV., HEWLETT-PACKARD CO., 1-2, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
EASTERN AIR DEVICES, INC., 2, Adv Pg 441	**385 Central Ave, Dover**	**NH**
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 2, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co., 2	81 Lakeside Ave, West Orange	NJ
Electric Indicator Co., Inc., 2	Camp Ave, Springdale	Conn
Electric Tachometer Corp., 2	68 & Upland Sts, Philadelphia	Pa
Electro Products Labs, Inc., Power Supply Div., 1	4501 N. Ravenswood, Chicago 40	Ill
ELECTRO SEAL CORP., 1, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electro Voice, Inc., 1-2	Buchanan	Mich
Epic, Inc., 2	150 Nassau St, New York 38	NY
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Esterline-Angus Co., Inc., 2	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd., 2	Chiswick, London W. 4, England	
G-M LABORATORIES, INC., 2, Adv Pg 484	**4336 N. Knox Ave, Chicago 41**	**Ill**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 1, Adv Pg 285	**West Concord**	**Mass**
Georator Corp., 2	315 Tuder Ln, Manassas	Va
Gerst & Co., Paul E., 2	4868 N. Clark, Chicago 40	Ill
Globe Industries, Inc., 2	1784 Stanley Ave, Dayton 4	Ohio
Haydon Co., A.W., The, 2	238 N. Elm St, Waterbury	Conn
Heinz-Mueller Engineering Co., Inc., 2	4725 Iowa St, Chicago 51	Ill
HEWLETT-PACKARD CO., 1-2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hoffman Co., H.L., 1	35 Old County Rd, Westbury	NY
I-L-S Instrument Div., Meriam Instrument Co., 1-2	4525 W. 160th St, Cleveland 35	Ohio
IMC MAGNETICS CORP., 2, Adv Pg 186	**570 Main St, Westbury**	**NY**
ITT Laboratories, 1	500 Washington Ave, Nutley 10	NJ
Ideal Industries, Inc., 2	5103 Park Ave, Sycamore	Ill
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Ketay Dept., Norden Div., United Aircraft Corp., 2	Jericho Trnpk, Commack	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 1-2	80-08 45th Ave, Elmhurst 73	NY
Kollsman Motor Corp, 2	Mill St, Dublin	Pa
Kyoritsu Electrical Instruments Works, Ltd., 1	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Magtrol, Inc., 1	240 Seneca St, Buffalo 4	NY
Maico Electronics, Inc., 1	21 N. 3rd St, Minneapolis 1	Minn
Marstan Electronics Corp., 1	204 Babylon Trnpk, Roosevelt	NY
Metron Instrument Co., 2	432 Lincoln St, Denver 3	Colo
Minatron Corp., 1	14 Cliveden Pl, Belle Mead	NJ
Morrow Radio Mfg. Co., 1	2794 Market St, Salem	Ore
Muirhead & Co., Ltd., 2	Beckenham, Kent, England	
Nacimco Products, Inc., 2	1090 Morena Blvd, San Diego	Cal
Natel Engineering Co., Inc., 1	15922 Strathern St, Van Nuys	Cal
National Electronics, 2	P.O. Box 1237, Sheridan	Wyo
Norden Div., United Aircraft Corp., 1	58 Commerce Rd, Stamford	Conn
Optomechanisms, Inc., 1	216 E. Second St, Mineola	NY
Oster Mfg. Co., John, Avionics Div., 2	1 N. Main St, Racine	Wisc
Penn Keystone Corp., 1	P.O. Box 350, Hawkins St, Derby	Conn
Potter Aeronautical Corp., 1	Rt 22, Union	NJ
Racal Engineering, Ltd., 2	Western Rd, Bracknell, Berks, England	
Radio Mfg. Engineers, Div., Electro Voice, Inc., 1	Buchanan	Mich
Ram Electronics, Inc., 1	600 Industrial Ave, Paramus	NJ
Rampe Mfg. Co., 1	14915 Woodworth Ave, Cleveland 10	Ohio
S-E Laboratories Ltd., 1	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Servomechanisms, Inc., 2	12500 Aviation Blvd, Hawthorne	Cal
Servo-Tek Products Co., Inc., 1-2	1086 Goffle Rd, Hawthorne	Cal
Siemon Mfg. Co., 2	P. O. Box 275, Wayne	Ill
SOLID STATE ELECTRONICS CO., 1, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sparton Corp., 1	2400 E. Ganson St, Jackson	Mich
Standard Electric Time Co., 1-2	89 Logan St, Springfield	Mass
STICHT CO., INC., HERMAN H., 2, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sunshine Scientific Instrument, 1	1810 Grant Ave, Philadelphia 15	Pa
Syntorque, Inc., 2	P.O. Box 75A, Bearsville	NY
Tapco Group, Thompson-Ramo-Wooldridge, Inc., 2	23555 Euclid Ave, Cleveland 17	Ohio
Toyo Trading Co., Ltd., 2	P.O. Box 999, Central Tokyo	Japan
21st Century Electronics, Inc., 1	P.O. Box 2326, Riverside	Cal
Vactric Control Equipment Ltd., 2	Sloane St, London SW1, England	
Van Norman Industries, Elect Div., 1	186 Granite St, Manchester	NH
VARO MFG. CO., INC., 1, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Venner Electronics Ltd., 1	Kingston By-Pass, New Malden, England	
Vernitron Corp., 1-2	136 Church St, New York 5	NY
Waber Electronics, Inc., 1	Hancock & Sommerset, Philadelphia 33	Pa
Wac Line, Inc., 2	35 S. St. Clair St, Dayton 2	Ohio
Westberg Mfg. Co., 1	144 S. Coombs St, Napa	Cal
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wright Machinery Co., Div of Sperry Rand Corp., 2	Durham	NC
Yokogawa Electric Works, Inc., 2	40 Worth St, New York 13	NY

TANKS *–HEATING* See POTS & TANKS

TANTALUM

1. BARS & RODS 2. FOIL 3. POWDER-CAPACITOR GRADE 4. POWDER & PELLETS 5. SHEETS-TUBING See TUBING *–METALLIC-WIRE:* See WIRE *–BARE*

Alloys Unlimited, Inc., 2-5	21-03 43rd Ave, Long Island City 1	NY
American Silver Co., Inc., 2	36-07 Prince St, Flushing 54	NY
Associated Engineering & Mfg. Corp., 1-5	Glen Ridge	NJ
Belmont Smelting & Refining Works, 3-4	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 1-2-3-4-5	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1	30 Grand St, Bridgeport	Conn
City Chemical Corp., 4	**132 W. 22nd St, New York 11**	**NY**
CROSS CO., H., 2, Adv Pg 514	**15 Beekman St, New York 38**	**NY**
Delta Chemical Works, 2-4-5	21 W. 60th St, New York	NY
Fansteel Metallurgical Corp., 1-2-3-4-5	2200 Sheridan, N. Chicago	Ill
Firth Sterling, Inc., 4	3115 Forbes Ave, Pittsburgh	Pa
Haynes Stellite Co., Div., UCC, 1-5	1020 W. Park Ave, Kokomo	Ind
Kennametal Inc., 1-3-4-5	Lloyd Ave, Latrobe	Pa
A.D. Mackay, Inc., 1-2-3-4-5	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 3-4	152-25 138 Ave, Jamaica 34	NY
Murex, Ltd., 1-2-3-4-5	Rainham, Essex, England	
National Research Corp., Metals Div., 1-2-3-4-5	70 Memorial Dr, Cambridge 42	Mass
Paul & Stein Bros., Inc., F.H., 1-2-5	235 Fifth Ave, New York 16	NY
Permacel Tape Corp., 1-2-3-4-5-6	U.S. Hwy 1, New Brunswick	NJ
REMBAR CO., INC., THE, 1-2-5, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Semi-Alloys, Inc., 1-2-4-5	550 S. Fulton Ave, Mt. Vernon	NY
Shieldalloy Corp., 3-4	Newfield	NJ
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 1-2-5, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Union Carbide Metals Co., Div., UCC, 4	270 Park Ave, New York 17	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1-2-3-4-5	116 Broad St, New York 4	NY
Wah Chang Corp., 1-2-3-4-5	233 Broadway, New York 7	NY

TAPE DECKS *(MECHANISMS)*

1. MAGNETIC TAPE, MONAURAL 2. MAGNETIC TAPE, STEREO 3. PAPER TAPE

American Geloso Electronics, 1	251 Park Ave S., New York	NY
Audio-Master Corp., 1-2	17 East 45th St, New York 17	NY
Bell Sound Div., TRW, Inc., 1-2	555 Marion Rd, Columbus	Ohio
Birmingham Sound Reproducers Ltd., 1-2	Old Hill, Staffs, England	
Bogen-Presto Div., Siegler Corp., 1-2	P.O. Box 500, Paramus	NJ
By-Buk Co., 3	4314 W. Pico Blvd, Los Angeles 19	Cal
Cycle Equipment Co., 3	17480 Shelburne Way, Los Gatos	Cal
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electromation Co., 1-2	1646 18th St, Santa Monica	Cal
El-Tronics Inc., 3	20 S. 15th St, Philadelphia 2	Pa
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 1-2	Benton Harbor	Mich
Lesa Construzioni Elettromeccaniche Spa, 1	Via Bergamo 21, Milan, Italy	
Magnecord Div., MI, 1-2	P.O. Box 7186, Tulsa 5	Okla
Metzner Engineering Corp., 2	1041 N. Sycamore, Hollywood 38	Cal
Midwestern Instruments, Inc., 1-2	P.O. Box 7186, Tulsa 18	Okla
Moulic Specialties Co., 1	1007 W. Washington St, Bloomington	Ill
Olympic Radio & Television Co., Div of the Siegler Corp., 1	34-01 38 Ave, Long Island City	NY
Polytronic Research, Inc., 1	7326 Westmore Rd, Rockville	Md
Potter Instrument Co., Inc., 1-2-3	Sunnyside Blvd, Plainview	NY
Precision Specialties, Inc., 3	Delsea Dr, P.O. Box 118, Pitman	NJ
Radiaphone Co., Inc., 1	600 E. Evergreen Ave, Monrovia	Cal
Shepard Labs., Inc., 1	Broad St at Park, Summit	NJ
Soroban Engineering, Inc., 3	P.O. Box 1717, Melbourne	Fla
Tally Register Corp., 3	1310 Mercer St, Seattle 9	Wash
Tandberg of America, Inc., 2	8 3rd Ave, Pelham	NY
Tape-Athon, 1-2	523 S. Hindry Ave, Inglewood	Cal
Telectrosonic Corp., 1-2	35-18 37th St, Long Island City 1	NY
Viking of Minneapolis, 1-2	9600 Aldrich Ave S., Minneapolis 20	Minn
Warwick Manufacturing Corp., 1-2	7300 N. Lehigh Ave, Chicago 48	Ill
Westrex Corp., Div., Litton Industries, 1-2	540 W. 58 St, New York 19	NY

TAPE DUPLICATORS *–MAGNETIC* See DUPLICATORS
TAPE ERASERS *–BULK* See ERASERS
TAPE-FILM SYNCHRONIZERS See SYNCHRONIZERS
TAPE LOOP RECORDERS See RECORDERS *–MAGNETIC TAPE*
TAPE MARKERS See LABELS: TAPE *–GENERAL-PURPOSE, PRINTED*
TAPE PERFORATORS See PERFORATORS
TAPE PLAYERS See PLAYERS
TAPE-PROGRAMMED TESTERS See TESTERS *–TAPE-PROGRAMMED*
TAPE READERS See READERS *–PUNCHED TAPE*
TAPE RECORDERS See RECORDERS *–MAGNETIC TAPE*
TAPERED TRANSITIONS See TRANSITIONS
TAPE REELS See REELS

TAPES *–GENERAL-PURPOSE*

1. GLASS-REINFORCED 2. HIGH-TEMPERATURE (EXCEPT MICA) 3. INSULATING, ADHESIVE-BACKED 4. INSULATING, HEAT-SEALING 5. INSULATING, PLAIN 6. NONINSULATING, ADHESIVE-BACKED 7. PRINTED OR COLOR-CODED

Accurate Mfg. Co., 3	44 Hepworth Pl, Garfield	NJ

Actioncraft Products, 5	**2 Yennicock Ave, Port Washington**	**NY**
Allied Plastics Supply Corp., 1-2-3-4-5-6-7	75 Cliff St, New York 38	NY
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2-4, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Amflex Products Dept., Amer Mach & Fdry., 1-2-5	689 Hope St, Springdale	Conn
Argonne Electronics Mfg. Corp., 3	165-11 South Rd, Jamaica 33	NY
Arlin Mfg. Co., 4-5-7	12 Perkins St, Lowell	Mass
Beaver Labs., Inc., 4-5	187-61 Hollis Ave, Jamaica 23	NY
Bishop Mfg. Corp., 3-5	10 Canfield Rd, Cedar Grove	NJ
Bonny Mfg. Corp., 4-5-7	146 Main St, Maynard	Mass
Brady Co., W.H., 3-7	**727 West Glendale Ave, Milwaukee 12**	**Wisc**
Brown-Bridge Mills, 3	E. Water St, Troy	Ohio
Chart-Pak, Inc., 7	Leeds	Mass
Chemo Products, Inc., 2	P.O. Box 169, West Warwick	RI
Chemplast, Inc., 2-3-5	3 Central Ave, East Newark	NJ
Connecticut Hard Rubber Co., 1-2-3-4-5-6-7	407 East St, New Haven 9	Conn
CONTINENTAL-DIAMOND FIBRE CORP., 1-2, Adv. Pgs. 205-208	**Newark 100**	**Del**
Devon Tape Corp., 1-3-6-7	110 Hartford Ave, Mt. Vernon	NY
Dilectrix Corp., 2-3-4-5	Allen Blvd/Grand, Farmingdale	NY
Dixon Corp., 2	19-21 Burnside St, Bristol	RI
Dunton Co., M.W., 3-4-5-6	350 Kinsley Ave, Providence	RI
Electro-Tech Prods Div., Sun Chem Corp., 3-5	113 E. Centre St, Nutley 10	NJ
Enflo Corp., 2-3	Fellowship Rd, Rt. 73, Maple Shade	NJ
Finn-Jaske Co., 6	719 Sycamore St, Cincinnati	Ohio
Franklin Fibre Lamitex Corp., 3-5-6	P.O. Box 1768, Wilmington	Del
General Plastics Corp., 1-2-3-4	P.O. Box 1689, Paterson	NJ
Gering Plastics, Div., Studebaker-Packard, 6	N. 7th at Monroe, Kenilworth	NJ
Goodrich Industrial Products Co., B.F., 3	500 S. Main St, Akron 18	Ohio
Hastings Plastics, Inc., 2	1551 12th St, Santa Monica	Cal
HITEMP WIRES, INC., 2, Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Insulation Manufacturers Corp., 1-2-3-4-5-6-7	565 W. Washington Blvd, Chicago 6	Ill
Joclin Mfg. Co., 1-2-3-4-6-7	9 Lufbery Ave, Wallingford	Conn
Johns-Manville, 1-2-3-4-5-6	22 E. 40 St, New York 16	NY
Johns-Manville Dutch Brand Div., 1-2-3-4-5-7	**7800 Woodlawn Ave, Chicago 19**	**Ill**
Labelon Tape Co., Inc., 3-4-7	450 Atlantic Ave, Rochester 9	NY
Ludlow Mfg. & Sales Co., 1	145 Rosemary, Needham Heights 94	Mass
MacAllen Co., 1	New Market	NH
MARKEL & SONS., L. FRANK, 2, Adv Pg 565	**School House Ln, Norristown**	**Pa**
Mica Insulator, Div Minn Mining & Mfg Co., 1-4-5	797 Broadway, Schenectady 1	NY
Minnesota Mining & Mfg. Co., 1-2-3-4-5-6-7	900 Bush Ave, St. Paul 6	Minn
Minnesota Rubber Co., 2-3-4	3630 Wooddale Ave, Minneapolis	Minn
Minor Rubber Co., Inc., 2-3	49 Ackerman St, Bloomfield	NJ
Mystik Adhesive Products, Inc., 1-2-3-4-5-6-7	2635 N. Kildare, Chicago	Ill
NATVAR CORP., 1-2-4-5, Adv Pg 501	**Woodbridge**	**NJ**
New Jersey Wood Finishing Co., 1-2-3-4	Amboy Ave, Woodbridge	NJ
North Shore Nameplate A Div of Anodyne, Inc., 7	214-27 Northern Blvd, Bayside 61	NY
Okonite Co., The, 3-4-5	Canal St, Passaic	NJ
Pee Cee Tape & Label Co., Inc., 7	521 N. La Brea Ave, Los Angeles	Cal
Polyken Sales Div., The Kendall Co., 1-2-3-6	309 W. Jackson Blvd, Chicago 6	Ill
POLYMER CORP., 5, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Products Research Co., 3	3126 Los Feliz Blvd, Los Angeles 39	Cal
Reeves Soundcraft Corp., 4	Great Pastures Rd, Danbury	Conn
Robins Industries Corp., 3-6	**36-27 Prince St, Flushing 54**	**NY**
Schjeldahl Co., G.T., 2-3-4-5-7	P.O. Box 170, Northfield	Minn
Schweitzer, Peter J. Dv. Kimberly Clark Corp. 2-5	Lee	Mass
Sparta Mfg. Co., 1-2-3-5	P.O. Box 107, Dover	Ohio
Stalwart Rubber Co., 3	160 Northfield Rd, Bedford	Ohio
Topflight Corp., 3-6-7	160 E. Ninth Ave, York	Pa
United Mineral & Chemical Corp., 3	16 Hudson St, New York 13	NY
U.S. RADIUM CORP., 7, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
U.S. Rubber Co., 3-6	1230 Ave of the Americas, New York 20	NY
Westline Products Div., Western Litho. Co., 1-2-7	600 E. 2nd St, Los Angeles 54	Cal
Wright & Sons Co., William E., 5	West Warren	Mass

TAPES —*LACING* See CORDS —*LACING*

TAPES —*MAGNETIC RECORDING*
1. COMPUTER STORAGE & MACHINE TOOL CONTROL 2. ENTERTAINMENT-TYPE 3. FILM (8, 16, 17.5, 32, 35, OR 65 MM WIDE, WITH SPROCKET HOLES) 4. PRERECORDED TEST TAPES 5. VIDEO RECORDING

Ampex Data Products Co., 1-2-4-5	934 Charter St, Redwood City	Cal
Ampex Magnetic Tape Products, 1	P.O. Box 7000, Redwood City	Cal
ARNOLD ENGINEERING CO., 1, Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Audio Devices, Inc., 1-2-3	444 Madison Ave, New York 22	NY
Audio-Master Corp., 2	17 East 45th St, New York 17	NY
AUDIOTEX MFG. CO., 4, Adv Pg 521	**412 S. Wyman St, Rockford**	**Ill**
Bendix Aviation Corp., Computer Div., 1	5630 Arbor Vitae St, L A 45	Cal
Concertapes, Inc., 2	P.O. Box 88, Wilmette	Ill
Consolidated Electrodynamics Corp., 1	360 N. Sierra Madre Villa, Pasadena	Cal
D & R Ltd., 4	402 E. Gutierrez, Santa Barbara	Cal
Data Equipment Co., 1	923 E. 3rd St, Los Angeles 13	Cal
EMI-COSSOR ELECTRONICS LTD., 1-2-3-4-5, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
El-Tronics Inc., 1	20 S. 15th St, Philadelphia 2	Pa
Ferrodynamics Corp., 1-2-3	Gregg & Rt. 17, Lodi	NJ
Fidelitone, Inc., 2	6415 Ravenswood, Chicago 26	Ill
GATES RADIO CO., 2-4, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Gotham Audio Corp., 2-3	2 W. 46 St, New York 36	NY
Houston Fearless Corp., 5	11801 W. Olympic Blvd, Los Angeles 64	Cal
I B M Federal Systems Div., 1	326 E. Montgomery Ave, Rockville	Md
Laboratory for Electronics, Inc., 1	1079 Commonwealth, Boston 15	Mass
Maurer, Inc., J.A., 3	37-01 31st St, Long Island City 1	NY
Minnesota Mining & Mfg. Co., 1-2-3-5	900 Bush Ave, St. Paul 6	Minn
Minnesota Mng. & Mfg. Co. Magnetic Prods. Div., 1-2-3-5	900 Bush Ave, St. Paul 6	Minn
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
Norden Div., United Aircraft Corp., 1	58 Commerce Rd, Stamford	Conn
Orr Industries Co., 2	Opelika	Ala
Perma, Inc., 2	6415 Ravenswood, Chicago 26	Ill
RCA Sales Corp., Radio Corp of America Sub, 2	Cherry Hill, Del Twnshp, Camden 8	NJ
Recordio Corp., 2	Charlotte	Mich
Recoton Corp., 2	52-35 Barnett Ave, Long Island City 4	NY
Reeves Soundcraft Corp., 1-3-5	Great Pastures Rd, Danbury	Conn
Sarkes Tarzian, Inc., Magnetic Tape Div., 2	E. Hillside Dr, Bloomington	Ind
Shepard Labs., Inc., 1	Broad St at Park, Summit	NJ
Sony Corp., 5	514 Broadway, New York 12	NY
Standard Telephones & Cables, Ltd., 1	63 Aldwych, London W. C. 2	England
Tandberg of America, Inc., 2	8 3rd Ave, Pelham	NY
Tape-Athon, 2	523 S. Hindry Ave, Inglewood	Cal
TELECTRO INDUSTRIES CORP., 1-2, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telectrosonic Corp., 4	35-18 37th St, Long Island City 1	NY
Television Specialty Co., 5	350 W. 31 St, New York 1	NY
Western Electro-Acoustic Lab., 2	11787 San Vicente Blvd, Los Angeles	Cal
Westrex Corp. Div., Litton Industries, 3-4	540 W. 58 St, New York 19	NY

TAPES —*MICA* See MICA

TAPES —*PAPER, COMPUTER*

Bendix Aviation Corp., Computer Div	5630 Arbor Vitae St, L A 45	Cal
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
El-Tronics Inc	20 S. 15th St, Philadelphia 2	Pa
National Vulcanized Fibre Co	Box 311, Wilmington 99	Del
Soroban Engineering, Inc	P.O. Box 1717, Melbourne	Fla

TAPE-TO-PUNCHED-CARD CONVERTERS See CONVERTERS —*COMPUTER*
TAPE-WOUND CORES See CORES —*LAMINATED*
TAPPING MACHINES See MACHINES —*TAPPING*
TAXI RADIO SYSTEMS See COMMUNICATION SYSTEMS
TECHNICAL BOOKS —*PUBLISHERS*

Academic Press Inc	111 Fifth Ave, New York 3	NY
Addison-Wesley Pub. Co	Reading 8	Mass
American Electronics Co., Inc	178 Herricks Rd, Mineola	NY
American Standards Association	70 E. 45th St, New York	NY
Boyce-Roche Book Co	460 Bloomfield Ave, Montclair	NJ
Dover Publications Inc	1780 Broadway, New York	NY
Duralith Corp	1025 Race St, Philadelphia 7	Pa
Editors & Engineers Ltd	Santa Barbara	Cal
Electronics Research Publishing Co., Inc	480 Canal St, New York 13	NY
Elsevier Publishing Co., Inc	215 4th Ave, New York	NY
Gernsback Library Inc	154 W. 14th St, New York 11	NY
Harper & Brothers	49 E. 33rd St, New York	NY
Institute of Radio Engineers Inc	1 E. 79th St, New York	NY
International Publishers Co	381 4th Ave, New York	NY
Interscience Publishers Inc	215 4th Ave, New York 3	NY
Johnson Research Corp	Bethpage	NY
Kalite Technical Co., Inc	715 Mattison Ave, Asbury Park	NJ
MacMillan Co	60 Fifth Ave, New York 11	NY
McGraw-Hill Book Co., Inc	330 W. 42nd St, New York 36	NY
Maedel Publishing House	593 E. 38th St, Brooklyn 3	NY
National Bureau of Standards	Washington	DC
Oxford University Press	417 Fifth Ave, New York	NY
Pergamon Press Inc	122 E. 55th St, New York 22	NY
Philosophical Library Publishers	15 E. 40th St, New York 16	NY
Pitman Publishing Corp	2 W. 45th St, New York	NY
Prentice-Hall Inc	Rt 9W, Englewood Cliffs	NJ
Princeton University Press	Princeton	NJ
Rider Publications Inc., John F	480 Canal St, New York 13	NY
Rinehart Books Inc	232 Madison Ave, New York 16	NY
Ronald Press Co	15 E. 26th St, New York 10	NY
Sams & Co., Inc., Howard W	2201 E. 46th St, Indianapolis 5	Ind
University of Chicago Press, The	5750 Ellis Ave, Chicago	Ill
Van Nostrand Co., Inc., D	120 Alexander, Princeton	NJ
Wiley & Sons Inc., John	440 4th Ave, New York	NY

TECHNICAL WRITING SERVICES —*ELECTRONIC*

Cook Co., Ken	9929 W. Silver Spring Rd, Milwaukee	Wisc
Kalite Technical Co., Inc	715 Mattison, Asbury Park	NJ
McGraw-Hill Book Co., Technical Writing Serv	330 W. 42nd St, New York 36	NY
Sams & Co., Inc., Howard W.	2201 E. 46th St, Indianapolis 5	Ind

TEES
1. COAXIAL 2. WAVEGUIDE

AINSLIE CORP., 2, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc., 1-2	48 Cummington St, Boston	Mass
Airtec, Inc., 1-2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., 1, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Ardwin Microlab, Inc., 2	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 1-2, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 1, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bendix-Pacific Div., Bendix Aviation, 1-2	11600 Sherman Way, North Hollywood	Cal
Bogart Mfg. Corp., 1-2	315 Seigel St, Brooklyn 6	NY
C W S Waveguide Corp., 1-2	301 W. Hoffman Ave, Lindenhurst	NY
DAGE ELECTRIC CO., 1, Adv Pg 177	**67 N. Second St, Beech Grove**	**Ind**
DEMORNAY-BONARDI, 2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
Dielectric Products Engrg Co., Inc., 1	Raymond	Me
Don-Lan Electronics, Inc., 1-2	1101 Olympic, Santa Monica	Cal
Dorne & Margolin, Inc., 1	29 New York Ave, Westbury	NY
DOUGLAS MICROWAVE CO., INC., 1-2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Ecco Electronic Components Corp., 1	578 Nepperhan Ave, Yonkers	NY
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc., 1-2	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div., 2	Vestal Pkwy E., Binghamton	NY
GENERAL RADIO CO., 1, Adv Pg 285	**West Concord**	**Mass**
Gombos Co., Inc., John, 2	Webro Rd, Clifton	NJ
ITT Laboratories, 2	500 Washington Ave, Nutley 10	NJ
JERROLD ELECTRONICS CORP., 1, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
KINGS ELECTRONICS CO., INC., 1, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
LIECO, INC., 1-2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MICROLAB, 1, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1-2	Box 1166, Greenwich	Conn
Microtech, Inc., 2	Millbdale Rd, Cheshire	Conn
Microwave Associates, Inc., 2	Burlington	Mass
Microwave Corp. of America, 1-2	P.O. Box 278, Stamford	Conn
N.R.K. Mfg. & Engineering Co., 2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 2	118-160 Herricks Rd, Mineola	NY
Nugent Electronics Co., Inc., 1	802 E. Eighth St, New Albany	Ind
Omega Laboratories, Inc., 1-2	P.O. Box 308, Rowley	Mass

PRD ELECTRONICS, INC., 1-2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 1-2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 2	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Prodelin, Inc., 1	307 Bergen Ave, Kearny	NJ
Radar Measurements Corp., 1-2	190 Duffy Ave, Hicksville	NY
Sage Laboratories, Inc., 1-2	3 Huron Dr, Natick	Mass
Specialty Electronics Development Corp., 1-2	Eileen Way, Syosset	NY
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TURBO MACHINE CO., 2, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec., 2	Balch St, Beverly	Mass
Victor R.F. & Microwave Co., 1-2	36 W. Water St, Wakefield	Mass
Waltham Horological Corp., 1	396 Lynnway, Lynn	Mass
Waveline, Inc., 2	P.O. Box 718, Caldwell	NJ
ZIPPERTUBING CO., 1, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

TEFLON See **PLASTICS** –*FLUOROCARBONS*
TELEGRAPH –*TONE* See **COMMUNICATIONS SYSTEMS**
TELEMETERING See **AMPLIFIERS** –*INSTRUMENTATION:* **COMMUNICATION SYSTEMS: COMMUTATORS** –*SWITCHING:* **CONVERTERS** –*SIGNAL:* **DECOMMUTATORS: FILTERS** –*TELEMETERING:* **GENERATORS** –*SIGNAL:* **OSCILLATORS – A-F: OSCILLATORS – R-F: RECEIVERS** –*RADIO COMMUNICATION:* **RECORDERS** –*GRAPHIC:* **RECORDERS** –*MAGNETIC TAPE:* **SWITCHES** –*MULTI-CONTACT:* **TRANSDUCERS: TRANSLATORS** – *TELEMETERING:* **TRANSMITTERS** –*RADIO COMMUNICATION* See *Also LISTING UNDER COMPUTER PARTS & ASSOCIATED EQUIPMENT*
TELEPHONE PICKUP COILS See **COILS**
TELEPHONE RECORDERS See **RECORDERS** –*TELEPHONE*
TELEPHONE REPEATERS See **REPEATERS** –*TELEPHONE-LINE*

TELEPHONES –*HANDSETS*
1. GENERAL-PURPOSE 2. SOUND-POWERED

AUDIOSEARS CORP., 1-2, Adv Pg 436	**Shepard Hill Rd, Roxbury**	**NY**
AUTOMATIC ELECTRIC SALES CORP., 1, Adv Pgs. 82, 83	**Northlake**	**Ill**
Bogen-Presto Div., Siegler Corp., 1	P.O. Box 500, Paramus	NJ
Communication Equipment & Engineering, 1	5648 W. Race Ave, Chicago	Ill
Fanon Electronic Industries, Inc., 1-2	439 Frelingheysen Ave, Newark	NJ
Hallamore Electronics Co., 1	714 N. Brookhurst Ave, Anaheim	Cal
Kellogg Switchboard & Supply Co., 1-2	6650 S. Cicero Ave, Chicago 39	Ill
Murdock Corp., 1	158 Carter St, Chelsea	Mass
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
Roanwell Corp., 1	180 Varick St, New York 14	NY
Roflan Co., 1-2	Rt. 1 & Camp Meeting Rd, Topsfield	Mass
Rust Industrial Co., Inc., 1	130 Silver St, Manchester	NH
Sorensen Industrial Electronic Co., 1	Rt 10, Dover	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 1	100 Carlson Rd, Rochester 3	NY
Telecom, Inc	1019 Admiral Blvd, Kansas City	Mo
TELECTRO INDUSTRIES CORP., 1, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
U.S. Instrument Corp., 2	P.O. Box 1191, Charlottesville	Va
Webster Electric Co., 1	1900 Clark St, Racine	Wisc
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**

TELEPRINTER SYSTEMS See **COMMUNICATION SYSTEMS**
TELESCOPIC ANTENNAS See **ANTENNAS** –*TELESCOPIC*
TELESCOPING MASTS See **MASTS** –*ANTENNA*

TELETYPEWRITER EQUIPMENT

Atlantic Research Corp	Shirley Hwy at Edsall Rd, Alexandria	Va
Data Equipment Co	923 E. 3rd St, Los Angeles 13	Cal
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY
Stromberg-Carlson, Div., General Dynamics Corp	1895 Hancock St, San Diego 12	Cal
Telautrograph Corp	8700 Bellanca Ave, Los Angeles 8	Cal
Teletype Corp	5555 W. Touhy Ave, Skokie	Ill
Trepac Corp of America	30 W. Hamilton Ave, Englewood	NJ
Western Apparatus Co., Div., Comptometer Corp	5600 Jarvis Ave, Chicago 48	Ill
Westrex Corp., Div., Litton Industries	540 W. 58 St, New York 19	NY

TELEVISION See **TV** *LISTINGS*

TELLURIUM

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
American Smelting & Refining Co	120 Broadway, New York 5	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Division Lead Co	7742 W. 61st Pl, Summit	Ill
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Penn Rare Metals, Inc	P.O. Box 1A, Revere	Pa
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

TEMPERATURE CHAMBERS See **CHAMBERS** –*ENVIRONMENTAL TEST*
TEMPERATURE-COEFFICIENT METALS See **COEFFICIENT** *METALS*
TEMPERATURE-COEFFICIENT RESISTORS See **THERMISTORS**
TEMPERATURE-COMPENSATING CAPACITORS See **CAPACITORS** –*FIXED*
TEMPERATURE CONTROL See **CONTROLS** –*TEMPERATURE*
TEMPERATURE-EXPANSION METALS See **COEFFICIENT** *METALS*
TEMPERATURE INDICATORS See **INDICATORS** –*TEMPERATURE*
TEMPERATURE-MEASURING BRIDGES See **BRIDGES** –*RESISTANCE:* **BRIDGES** –*SELF-BALANCING*
TEMPERATURE MEASURING DEVICES See **METERS** –*THERMOCOUPLE:* **PYROMETERS** –*RADIATION:* **THERMOCOUPLES: THERMOMETERS** – *RESISTANCE*
TEMPERATURE RECORDERS See **RECORDERS** –*TEMPERATURE*
TEMPLATES –*SCHEMATIC SYMBOL* See **DRAFTING SUPPLIES**

TENSION DEVICES –*COIL WINDING*

Evershed & Vignoles Ltd	Chiswick, London W. 4, England	
INDUSTRIAL WINDING MACHINERY CORP., Adv Pg 529	**120 Wall St, New York 5**	**NY**

TENSION METERS See **METERS** –*TENSION*
TENTERING CONTROLS See **CONTROLS** –*PHOTOELECTRIC*

TERMINAL-IDENTIFYING LABELS See *LABELS*
TERMINAL INSERTERS See **MACHINES** –*TERMINAL-INSTALLING*

TERMINALS
1. PRINTED WIRING BOARD, EDGED-GRIPPING 2. PRINTED WIRING BOARD, SOLDERED IN PLACE 3. REGULAR & MINIATURE (CHASSIS & STRIP) 4. SUBMINIATURE (CHASSIS & STRIP) 5. WIRE, SOLDERED 6. WIRE, SOLDERLESS

Advanced Vacuum Products, Inc., Sub Indiana General Corp	430 Fairfield Ave, Stamford	Conn
Alac, Inc., 3-4-6	365 W. Arden St, Glendale	Cal
Alcon Metal Products, Inc., 3-4	1750 N. Kimball Ave, Chicago 47	Ill
Allied Allegri, Inc., 2	141 River Rd, Nutley	NJ
Alpine Electronic Components, 3-4	Wolcott Rd, Waterbury	Conn
AMP, INC., 1-2-6, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Ampco Mfg. Co., 2-3-4-5-6	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2-3-4-5-6, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Armel Electronics, Inc., 3-4	840 Fifth Ave, Brooklyn 32	NY
ART WIRE & STAMPING CO., 2-4-5, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Auto-Swage Products, Inc., 1-2-3-4-5-6	255 Canal St, Shelton	Conn
Berg Mfg. Corp., 2-3-6	142 Reno Ave, New Cumberland	Pa
BIRNBACH RADIO CO., INC., 5-6, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BUCHANAN ELECTRICAL PRODUCTS CORP., 6, Adv Pg 438	**525 U. S. 22, Hillside**	**NJ**
BURNDY CORP., 6, Adv Pg 192	**Norwalk**	**Conn**
CAMBRIDGE THERMIONIC CORP., 1-3-4, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Cannon Electric Co	3208 Humboldt St, Los Angeles 31	Cal
Carroll Pressed Metal, Inc., 6	133 Dewey St, Worcester	Mass
CINCH MFG. CO., 1-2, Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
CIRCON COMPONENT CORP., 2-3, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
COMPONENTS FOR RESEARCH, INC., 6, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
CONTINENTAL CONNECTOR CORP., 6, Adv Pg 110	**34-63 56th St, Woodside 77**	**NY**
Dalmore Corp., 3-4-5-6	47 Prospect St, Woburn	Mass
Dante Electric Mfg. Co., 5-6	P.O. Box 6, Bantam	Conn
ETC INC., 6, Adv Pg 200	**990 E. 67th St, Cleveland 3**	**Ohio**
ELECTRICAL INSULATION CO., INC., 3-4, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Enflo Corp., 3-4	Fellowship Rd, Rt. 73, Maple Shade	NJ
FEDERAL SCREW PRODUCTS, INC., 3-5-6, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
FUSITE CORP., 3-5., Adv Pg 181	**6000 Fernview Ave, Cincinnati 13**	**Ohio**
G-C ELECTRONICS CO., 6, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Garde Mfg. Co., 1-2-5-6	53 John St, Cumberland	RI
GARLOCK ELECTRONIC PRODUCTS, GARLOCK, INC., 4-5, Adv Pg 218	**Camden 1**	**NJ**
GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Components Co., 1-2-3-4-5-6	225-229 E. 144th, New York 51	NY
General Electric Co., Circuit Protective Devices Dept., 6	41 Woodford Ave, Plainville	Conn
Glove Electrical Mfg. Co., 3	1727 W. 134 St, Gardena	Cal
Goe Engineering Co., 3-4	219 S. Mednik Ave, Los Angeles 22	Cal
Hassall, Inc., John, 1-5	P.O. Box 2242, Westbury	NY
Henry & Miller Industries, Inc., 3	675 Garfield Ave, Jersey City 5	NJ
Hollingsworth Co., Solderless Terminal Div., 6	Box 430, Phoenixville	Pa
Hunter Sales Co., Inc., R. N., 6	9851 Alburtis Ave, Sante Fe Springs	Cal
Hunter Tool Co., 6	9851 Alburtis, Santa Fe Springs	Cal
I.E. Manufacturing, 3-4-5-6	325 N. Hoyne Ave, Chicago 12	Ill
I. H. Manufacturing Co., 1-3-4-5	121 Greene St, New York 12	NY
INDUSTRIAL ELECTRONIC HARDWARE CORP., 3, Adv Pg 482	**109 Prince St, New York 12**	**NY**
IPPOLITO & CO., INC., JAMES, 3, Adv Pg 559	**1624 Stillwell Ave, Bronx 64**	**NY**
Javex Electronics, 6	P.O. Box 646, Redlands	Cal
Jones Electronics, Hiram, 3-4-5	2313 W. Olive Ave, Burbank	Cal
Jones & Roy Co., 1-5-6	620 Commercial Ave, Covina	Cal
Keystone Electronics Corp., 1-3	49 Bleecker St, New York 12	NY
Kolton Electric Mfg. Co., 5-6	123 New Jersey Railroad Ave, Newark 5	NJ
Kulka Electric Corp., 2	633 S. Fulton Ave, Mt. Vernon	NY
Lerco Electronics, Inc., 3-4-5-6	501 S. Varney St, Burbank	Cal
Lorentzen, Inc., Levolor, 5	391 W. Broadway, New York 12	NY
Lyn-Tron, Inc., 2-3-4-5-6	5352 Riverton Ave, North Hollywood	Cal
Malco Mfg. Co., 2-3-4-5-6	4023 W. Lake St, Chicago 24	Ill
Marathon Electric Mfg. Corp., 3	Randolph & Cherry Sts, Wausau	Wisc
Metal Findings Corp., 1-2-3-4-5-6	152 W. 22nd St, New York 11	NY
Millen Mfg. Co., James, 3	150 Exchange St, Malden	Mass
Molded Insulation Co., 1-2-3-4	335 E. Price St, Phila 44	Pa
Molding Corp of America, 3-4-5-6	42 Church St, Pawtucket	RI
Molex Products Co., 6	9515 Southview Ave, Brookfield	Ill
Frank W. Morse Co., 5	354 Congress St, Boston 10	Mass
National Fabricators, Inc., 1-2-3-4	2650 W. Belden Ave, Chicago 47	Ill
NATIONAL RADIO CO., 5-6, Adv Pg 443	**37 Washington St, Melrose 76**	**Mass**
NATIONAL TEL-TRONICS CORP., 3-4-5-6, Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
Nutmeg Screw Machine Products Co., 2-3-4-5	P.O. Box 1470, Waterbury	Conn
Oki & Willadsen, Ltd., 1-2-3-4	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Pacific Electricord Co., 6	3217 Exposition Pl, Los Angeles 18	Cal
Patton-MacGuyer Co., 3-5-6	17 Virginia Ave, Providence 5	RI
PENN-UNION ELECTRIC CORP., 5-6, Adv Pg 528	**315 State St, Erie**	**Pa**
Plastronic Engineering Co., 3-4	721 Boston Post Rd, Marlborough	Mass
Precision Metal Products Co of Malden, 1-3-4-5	41 Elm St, Stoneham 80	Mass
Revere Corp of America Sub., Neptune Meter Co., 5	Wallingford 2	Conn
Rimak, Inc., 3-4-5-6	10929 Vanowen St, N. Hollywood	Cal
Rodale Electronics, 5	562 Grand Blvd, Westbury	NY
Rosan, Inc., 3-4-5	2901 W. Coast Hwy, Newport Beach	Cal
Ross Co., Milton, 2-3-4	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp., 3-4-5-6	145 Elm St, Mamaroneck	NY
Sealectro Corp., 4	139 Hoyt Ave, Mamaroneck	NY
Shakeproof Div., Ill Tool Works, 5	St. Charles Rd, Elgin	Ill
Sherman Mfg. Co., H.B., 5-6	22 Barney St, Battle Creek	Mich
Smith, Inc., Herman H., 3	2326 Nostrand Ave, Brooklyn 10	NY
Steel Co., Herman D., 4	Lafayette Bldg, Philadelphia 6	Pa
Sylvania Electric Products Inc., Parts Div., 1	12 Second Ave, Warren	Pa
TAURUS CORP., 3-4, Adv Pg 548	**8 Coryell St, Lambertville**	**NJ**
Thomas & Betts Co., Inc., The, 3-6	36 Butler St, Elizabeth 1	NJ
Thompson-Bremer & Co., 5	228 N. LaSalle St, Chicago 1	Ill
UCINITE CO., DIV., UCC, 1-2-3-4, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**

U.S. Engineering Co., Div., Litton Ind., 2-3-4-5	13536 Saticoy, Van Nuys	Cal
Vaco Products Co., 6	317 E. Ontario, Chicago	Ill
VECTOR ELECTRONIC CO., 1-3-5-6, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Wade Electric Products Co., 6	400 Jacob St, Sturgis	Mich
Waldom Electronics, Inc., 5-6	4621 W. 53rd St, Chicago 32	Ill
Waterbury Companies, Inc., 5	Waterbury 20	Conn
WHITSO, INC., 3, Adv Pg 564	**9328 Byron St, Schiller Park**	**Ill**
Winchester Electronics, Inc., 1-2-3-4-5-6	Willard Rd, Norwalk	Conn
Zierick Mfg. Corp., 5-6	Beechwood & Rockdale, New Rochelle	NY

TERMINALS *–FEED-THROUGH* See **INSULATORS** *–FEED-THROUGH*

TERMINAL STRIPS

1. BOARDS, FLAT 2. MOLDED

ADC, INC., 1, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
Accurate Electronics Corp., 1-2	Dept G, 169 Abbe Rd S., Elyria	Ohio
Acme Model Engineering Co., 1	6224 15th Ave, Brooklyn 19	NY
Acromark Co., The, 1	323 Morrell St, Elizabeth 4	NJ
Aerolite Electronics Corp., 1	2207 Summit Ave, Union City	NJ
Aeronautical Electric Co., 1	5656 Northwest Hwy, Chicago 46	Ill
Alac, Inc., 1	365 W. Arden St, Glendale	Cal
Alcon Metal Products, Inc	1750 N. Kimball Ave, Chicago 47	Ill
Allen-Bradley Co., 1	136 W. Greenfield Ave, Milwaukee 4	Wisc
Allied Allegri, Inc., 1	**141 River Rd, Nutley**	**NJ**
Allied Plastics Supply Corp., 1-2	75 Cliff St, New York 38	NY
Alpine Electronic Components, 1	Wolcott Rd, Waterbury	Conn
Amatom Electronic Hardware Co., Inc., 1	88 Drake Ave, New Rochelle	NY
AMERICAN LAVA CORP., 1-2, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Ampco Mfg. Co., 1-2	246 E. 2nd St, Plainfield	NJ
AMPHENOL CONNECTOR DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2, Adv Pg 288	**1830 S. 54th Ave, Chicago 50**	**Ill**
Anchor Specialty Mfg. Co., Inc., 1	300 Hollister Rd, Teterboro	NJ
Apahouser Corp., 1	1312 Boylston St, Boston	Mass
Armel Electronics, Inc., 2	840 Fifth Ave, Brooklyn 32	NY
Belmar Wheel & Machine Co., 1	1707 F St, Belmar	NJ
Berg Mfg. Corp., 1	142 Reno Ave, New Cumberland	Pa
BIRNBACH RADIO CO., INC., 1, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BUCHANAN ELECTRICAL PRODUCTS CORP., 2, Adv Pg 438	**525 U. S. 22, Hillside**	**NJ**
CINCH MFG. CO., 1-2, Adv. Pgs. 62, 63	**1026 S. Homan Ave, Chicago 24**	**Ill**
Cole-Hersee Co., 1	20 Old Colony Ave, Boston	Mass
Comco Plastics, Inc., 1	98-34 Jamaica Ave, Richmond Hill	NY
Communication Equipment & Engineering, 2	5648 W. Race Ave, Chicago	Ill
CONTINENTAL CONNECTOR CORP., 2, Adv Pg 110	**34-63 56th St, Woodside 77**	**NY**
Control Devices, Inc., 1	925 S. Eton Rd, Birmingham	Mich
Cordo (Canada) Ltd., 2	149 Sterling Rd, Toronto 3, Ontario, Canada	
Curtis Development & Mfg. Co., 2	3226 N. 33 St, Milwaukee 16	Wisc
Cutler-Hammer, Inc., 2	411 N. 12 St, Milwaukee 1	Wisc
DEJUR-AMSCO CORP., 2, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
DIMCO-GRAY CO., 2, Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Duralith Corp., 1	1025 Race St, Phiadelphia 7	Pa
ECM Corp., 1	8160 Orion Ave, Van Nuys	Cal
Eby Co., Hugh H., 1-2	4701 Germantown Ave, Philadelphia 44	Pa
ELECTRICAL INSULATION CO., INC., 1, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Emerson Plastics Corp., 1	1383 Seabury Ave, Bronx 61	NY
Emmco Plastics Fabricators, 1	68 Vine St, Everett 49	Mass
Excellent Electronics, Inc., 1-2	39-51 60th St, Woodside 77	NY
FEDERAL SCREW PRODUCTS, INC., 1-2, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Fidelity Amplifier Co., 1	1633 N. Halsted St, Chicago 14	Ill
Fisher & Crome, 1	107 N. Camac St, Philadelphia 7	Pa
G-C ELECTRONICS CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Garde Mfg. Co., 1	53 John St, Cumberland	RI
GATES RADIO CO., 1, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Components Co., 1-2	225-229 E. 144th, New York 51	NY
General Products Corp., 2-3-5-7	107 Salem St, Union Springs	NY
Glove Electrical Mfg. Co., 1-2	1727 W. 134 St, Gardena	Cal
Goe Engineering Co., 1	219 S. Mednik Ave, Los Angeles 22	Cal
Hampden Mfg. Co., Inc., 1	P.O. Box 89, Three Rivers	Mass
Harvey Hubbell, Inc., 1	State St & Bostwick Ave, Bridgeport 2	Conn
Heldor Mfg. Corp., 1	238 Lewis St, Paterson	NJ
Hobson Brother, Inc., 1	4940 W. Lawrence Ave, Chicago 30	Ill
I.E. Manufacturing, 1	325 N. Hoyne Ave, Chicago 12	Ill
I. H. Manufacturing Co., 1-2	121 Greene St, New York 12	NY
INDUSTRIAL ELECTRONIC HARDWARE CORP., 1, Adv Pg 482	**109 Prince St, New York 12**	**NY**
Industrial Engravers, Inc., 1	2212 McDonald Ave, Brooklyn 23	NY
Insulating Fabricators, Inc., 1-2	150 Union Ave, East Rutherford	NJ
Jones Electronics, Hiram, 1	2313 W. Olive Ave, Burbank	Cal
Jones, Howard B., Div., Cinch Mfg. Co., 1-2	1026 S. Homan Ave, Chicago 24	Ill
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
KINGS ELECTRONICS CO., INC., 2, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
Klann Organ Supply Co., 1	P.O. Box 2398, Waynesboro	Va
Kulka Electric Corp., 1-2	633 S. Fulton Ave, Mt. Vernon	NY
Lab-Tronics, Inc., 2	3656 N. Lincoln, Chicago 13	Ill
Laminated Sheet Products Corp., 1	449 Neponset St, P.O. Box 390, Norwood	Mass
Lerco Electronics, Inc., 1	501 S. Varney St, Burbank	Cal
Long, Inc., Thomas J., 1	215 Stonehinge Ln, Carle Place	NY
Lyn-Tron, Inc., 1-2	5352 Riverton Ave, North Hollywood	Cal
Mandex Mfg. Co., Inc., 1	2616 W. 48 St, Chicago	Ill
Marathon Electric Mfg. Corp., 1-2	Randolph & Cherry Sts, Wausau	Wisc
METHODE MFG. CORP., 1, Adv Pg 480	**7447 W. Wilson Ave, Chicago 31**	**Ill**
Millen Mfg. Co., James, 1-2	150 Exchange St, Malden	Mass
Molded Insulation Co., 1-2	335 E. Price St, Phila 44	Pa
Molding Corp of America, 1-2	42 Church St, Pawtucket	RI
Molex Products Co., 1-2	9515 Southview Ave, Brookfield	Ill
Murdock Corp., 1	158 Carter St, Chelsea	Mass
National Fabricators, Inc., 1	2650 W. Belden Ave, Chicago 47	Ill
NATIONAL TEL-TRONICS CORP., 1, Adv Pg 456	**52 St. Casimir Ave, Yonkers**	**NY**
Nutmeg Screw Machine Products Co. 1	P.O. Box 1470, Waterbury	Conn
Nylok Corp., The., 1-2	611 Industrial Ave, Paramus	NJ
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Olympic Plastics Co., Inc., 2	3471 S. La Cienega, Los Angeles 16	Cal
Penn Fibre & Specialty Co., 1	2020 E. Westmoreland St, Philadelphia 34	Pa
PENN-UNION ELECTRIC CORP., 1, Adv Pg 528	**315 State St, Erie**	**Pa**
Permali, Inc., 1	P.O. Box 718E, Mt. Pleasant	Pa
Permonite Mfg. Co., 1	910 W. Jackson Blvd, Chicago 7	Ill
Porter Co., Wm., 1-2	1007 Sante Fe Ave, Los Angeles	Cal
Precision Metal Products Co of Malden, 1	41 Elm St, Stoneham 80	Mass
Rex Rheostat Co., 2	149 Babylon Trnpk, Roosevelt	NY
Rimak, Inc., 1	10929 Vanowen St, N. Hollywood	Cal
Romar Plastics Inc., 2	1311 E. Main St, St. Charles	Ill
Ross Co., Milton, 2	239 Jacksonville Rd, Hatboro	Pa
Rye Sound Corp., 1-2	145 Elm St, Mamaroneck	NY
Shaw Insulator Co., 2	160 Coit St, Irvington 11	NJ
Slip Ring Co of America, 2	3612 W. Jefferson Blvd, Los Angeles 16	Cal
Smith, Inc., Herman H., 1-2	2326 Nostrand Ave, Brooklyn 10	NY
States Co., 2	19 New Park Ave, Hartford 6	Conn
Strat-O-Seal Mfg. Co., 1	3039 W. Fullerton Ave, Chicago 47	Ill
Swenson Co., Inc., V.H., 2	552 Elm St, Kearny	NJ
Sylvania Electric Products Inc., Parts Div., 2	12 Second Ave, Warren	Pa
Techniques, Inc., 1	40 Jay St, Englewood	NJ
Tektronix Inc	P.O. Box 831, Portland 7	Ore
Tingstol Co., 1	1340 W. Fullerton, Chicago 14	Ill
Tri-Dex Co., 1	P.O. Box 1207, Lindsay	Cal
Tri-Point Plastics, Inc., 1	175 E. U. Willets Rd, Albertson	NY
UCINITE CO., DIV., UCC, 1-2, Adv Pg 417	**459 Watertown St, Newtonville**	**Mass**
U.S. Engineering Co., Div., Litton Ind., 1	13536 Saticoy, Van Nuys	Cal
U.S. Instrument Corp., 2	P.O. Box 1191, Charlottesville	Va
VECTOR ELECTRONIC CO., 1, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Wade Electric Products Co., 1	400 Jacob St, Sturgis	Mich
Waldom Electronics, Inc., 1	4621 W. 53rd St, Chicago 32	Ill
WALSCO ELECTRONICS MFG. CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Warren Components Div., El-Tronics, 1	S. Irvine St, Warren	Pa

TERMINATIONS *(LOADS)*

1. MICROWAVE, FIXED 2. MICROWAVE, VARIABLE 3. VHF, VIDEO & PULSE CIRCUIT

Aircom, Inc., 1-2	48 Cummington St, Boston	Mass
Airtec, Inc., 1-2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., 1, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
AMERICAN ELECTRONIC LABS., INC., 1, Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
Antennavision, Inc., 3	2949 W. Osborn Rd, Phoenix	Ariz
APPLIED RESEARCH, INC., 1, Adv Pg 503	**76 S. Bayles Ave, Port Washington**	**NY**
Ardwin Microlab, Inc., 1-2	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 1-2, Adv Pg 394	**29 Bond St, Westbury**	**NY**
AUTOMATIC METAL PRODUCTS CORP., 1-3, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Aviation Electric, Ltd., 1-3	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avionics Ltd., 1	Box 200, Niagara-on-the-Lake, Ontario	
Bogart Mfg. Corp., 1-2	**315 Seigel St, Brooklyn 6**	**NY**
C W S Waveguide Corp., 1-2	301 W. Hoffman Ave, Lindenhurst	NY
Canoga Div., Underwood Corp., 2	15330 Oxnard St, Van Nuys	Cal
CARBORUNDUM CO., GLOBAR PLANT, 1, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
Cardwell Condenser Corp., 1-2	80 E. Montauk Hwy, Lindenhurst	NY
Caswell Electronics Corp., 1	414 Queens Ln, San Jose 12	Cal
CONTROL ELECTRONICS CO., INC., 1-2, Adv Pg 336	**10 Steger Pl, Huntington Station**	**NY**
CUSTOM COMPONENTS, INC., 1, Adv Pg 542	**P.O. Box 248, Caldwell**	**NJ**
DAVEN CO., 1-3, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
DEMORNAY-BONARDI, 1-2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
Don-Lan Electronics, Inc., 1-2	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., 1-2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Electrical & Physical Instrument Corp., 1-3	42-19 27 St, L I City 1	NY
ELECTRO IMPULSE LAB., INC., 1-3, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electronic Applications, Inc., 1-2	194 Richmond Hill Ave, Stamford	Conn
EMPIRE DEVICES PRODUCTS CORP., 1, Adv Pg 454	**Amsterdam**	**NY**
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Filmohm Corp., 1-2	48 W. 25 St, New York 10	NY
Frequency Standards, Div., Harvard Industries, Inc., 1	P.O. Box 504, Asbury Park	NJ
General Aniline & Film Corp., Ansco Div., 1	Vestal Pkwy E., Binghamton	NY
Gombos Co., Inc., John, 1-2	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co., 1-2	333 Adelaide Ave, Providence 7	RI
HEWLETT-PACKARD CO., 1, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
JERROLD ELECTRONICS CORP., 3, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1-3, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
LIECO, INC., 1-2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, 1, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc., 1-2	8739 S. Millergrove Dr, Whittier	Cal
Metavac, Inc., 1	45-68 162 St, Flushing 58	NY
MICROLAB, 1-3, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1-2	Box 1166, Greenwich	Conn
Microwave Associates, Inc., 1-2	Burlington	Mass
MICROWAVE COMPONENTS, INC., 1-2, Adv Pg 517	**Doylestown**	**Pa**
Microwave Corp. of America, 1-2	P.O. Box 278, Stamford	Conn
Microwave Development Labs. Inc., 1-2	92 Broad St, Babson Park 57	Mass
Microwave Electronic Tube Co., Inc., 1-2	76 Lafayette St, Salem	Mass
N.R.K. Mfg. & Engineering Co., 1-2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 1-2	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc., 1-2	P.O. Box 308, Rowley	Mass
PRD ELECTRONICS, INC., 1-2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 1-2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 1	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Pyroferric Co., Inc., 1-2	621 E. 216 St, New York 67	NY
Radar Design Corp., 1-2	Pickard Dr, Syracuse 11	NY
Radar Measurements Corp., 1-2	190 Duffy Ave, Hicksville	NY
Radiometer, 3	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rantec Corp., 1	23999 Ventura Blvd, Calabasas	Cal
Sage Laboratories, Inc., 1-2	3 Huron Dr, Natick	Mass
SIERRA ELECTRONIC CORP., 1-3,		

Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
SPERRY MICROWAVE ELECTRONICS CO., 1-2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Electronics Div., Reeves Instrument Corp., 3	Lakewood Rd, Farmingdale	NJ
Stoddart Aircraft Radio Co., Inc., 1	6644 Santa Monica Blvd, Hollywood 38	Cal
Tamar Electronics, Inc., 1	2045 W. Rosecrans Ave, Gardena	Cal
TURBO MACHINE CO., 1-2, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Shoe Machinery Corp., Antenna & Microwave Sec., 1-2	Balch St, Beverly	Mass
Van Norman Industries, Elect Div., 1-2	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 1, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co., 1	36 W. Water St, Wakefield	Mass
Wac Line, Inc., 1	35 S. St. Clair St, Dayton 2	Ohio
Waveline, Inc., 1-2	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., 1, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

TEST ADAPTERS See **ADAPTERS**
TEST BENCH SET UPS See **BENCH TEST SET UPS**
TEST CHAMBERS See **CHAMBERS** *–ENVIRONMENTAL TEST*
TEST CLIP INSULATORS See **INSULATORS** *–TEST CLIP*
TEST CLIPS See **CLIPS** *–TEST*
TEST EQUIPMENT *–ENVIRONMENTAL* See **CHAMBERS** *–ENVIRONMENTAL TEST*

TESTERS *–AMPLITUDE LINEARITY*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio

TESTERS See Also **ANALYZERS**

TESTERS *–BATTERY*

American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Anko Mfg. Co., Inc	5025 N. 124th St, Milwaukee	Wisc
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
King Electric Equipment Co	9123 Inman Ave, Cleveland 5	Ohio
Molded Insulation Co	335 E. Price St, Phila 44	Pa
OPAD ELECTRIC CO., Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Stark Electronic Instruments, Ltd	P.O. Box 670, Ajax, Ontario, Canada	
Vitro Corp of America	261 Madison Ave, New York 16	NY

TESTERS *–BREAKDOWN* See **TESTERS** *–INSULATION*

TESTERS *–CABLE*

American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Arizona Instrument Corp	3839 N. 39th Ave, Phoenix	Ariz
Automation Dynamics Corp	255 Country Rd, Tenafly	NJ
Bliss Electronic Corp	P.O. Box 366, Sussex	NJ
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
CURTISS-WRIGHT, ELECTRONICS DIV., Adv Pg 80	**35 Market St, East Paterson**	**NJ**
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Davenport Mfg. Co	2530-32 N. Elston Ave, Chicago	Ill
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Electrical & Physical Instrument Corp	42-19 27 St, L I City 1	NY
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
Erdco Engineering Corp	Addison	Ill
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Jackson Electrical Instrument Co	124 McDonough St, Dayton 2	Ohio
Link Div., Gen Precision, Inc	Nowlan Rd, Hillcrest, Binghamton	NY
North Electric Co	553 S. Market St, Galion	Ohio
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Pearce & Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
PESCHEL ELECTRONICS, INC., Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Slaughter Co	Piqua 9	Ohio
SORENSEN & CO., INC., Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Specialty Electronics Development Corp	Eileen Way, Syosset	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Takk Corp	P.O. Box 346, Newark	Ohio
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ
Wickes Engineering & Construction Co	12th St & Ferry Ave, Camden 4	NJ

TESTERS *–CAPACITOR & DIELECTRIC* See Also **MACHINES** *–CAPACITOR MANUFACTURING, SORTING*

Barnes Development Co	213 W. Baltimore Pike, Lansdowne	Pa
Bliss Electronic Corp	P.O. Box 366, Sussex	NJ
Central Research Labs., Inc	Red Wing	Minn
CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Davenport Mfg. Co	2530-32 N. Elston Ave, Chicago	Ill
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
Hill Research Co	49 Buckeye Ave, Oakland 18	Cal
Industrial Instruments, Inc	89 Commerce Rd, Cedar Grove	NJ
Jackson Electrical Instrument Co	124 McDonough St, Dayton 2	Ohio
Kahl Scientific Instrument Corp	332 S. Highland, El Cajon	Cal
King Electric Equipment Co	9123 Inman Ave, Cleveland 5	Ohio
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Pennsylvania Testing Lab., Inc	Doylestown	Pa
PESCHEL ELECTRONICS, INC., Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Slaughter Co	Piqua 9	Ohio
SORENSEN & CO., INC., Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Stark Electronic Instruments, Ltd	P.O. Box 670, Ajax, Ontario, Canada	
Texas Instruments Incorporated, Geosciences & Instrumentation Div	3609 Buffalo Spdwy, Houston 6	Tex
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ

TESTERS *–CATHODE-RAY* See **TESTERS** *–TUBE*

TESTERS *–CIRCUIT 1. CONTINUITY 2. PERFORMANCE CHARACTERISTICS 3. RESISTANCE VALUE*

ACTON LABS, INC., 2, Adv Pg 222	**533 Main St, Acton**	**Mass**
Advanced Technology Labs., 1	369 Whisman Rd, Mountain View	Cal
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 3, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
American Avionics, Inc., 1-2	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Machine & Foundry Co., 1	1025 N. Royal St, Alexandria	Va
Anchor Specialty Mfg. Co., Inc., 1-2-3	300 Hollister Rd, Teterboro	NJ
Apparatus Development Co., Inc., 1	Drawer 153, Wethersfield 9	Conn
ASSOCIATED TESTING LABS., INC., 1, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Autonetics, Div., North American Aviation, Inc., 1	9150 E. Imperial Hwy, Downey	Cal
B & K Mfg. Co., 1-2	1801 W. Belle Plaine, Chicago 13	Ill
Barnes Development Co., 3	213 W. Baltimore Pike, Lansdowne	Pa
Biddle Co., James G., 1-3	1316 Arch St, Philadelphia 7	Pa
Bliss Electronic Corp., 1-3	P.O. Box 366, Sussex	NJ
BRIGGS ASSOCIATES, INC., 1, Adv Pg 546	**10 DeKalb St, Norristown**	**Pa**
Bright Star Industries, 1	600 Getty Ave, Clifton	NJ
Bruno-New York Industries Corp., 3	460 W. 34 St, New York 1	NY
California Tech Ind Div., Textron Inc., 1-2-3	1421 Old County Rd, Belmont	Cal
Canadian Research Institute, 1-2-3	46 St. George St, Toronto 5, Ontario, Canada	
Consolidated Avionics Corp., 1-2-3	800 Shames Dr, Westbury	NY
Control Devices, Inc., 2	925 S. Eton Rd, Birmingham	Mich
DAVEN CO., 1-3, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 3	2530-32 N. Elston Ave, Chicago	Ill
Dice Co., J.W., 3	Englewood	NJ
Dit-Mco, Inc., 1	911 Broadway, Kansas City	Mo
EIR Corp., 3	5177 Overland Ave, Culver City	Cal
Eagle Electric Mfg. Co., Inc., 1	23-10 Bridge Plaza S., L.I. City	NY
Electro Instruments, Inc., 1-2-3	3540 Aero Ct, San Diego	Cal
Electronic Brazing Co., 1	140 Glenridge Ave, Montclair	NJ
ELECTRONIC INSTRUMENT CO., INC., 1, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Erdco Engineering Corp., 1-2	Addison	Ill
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
Federal Pacific Electric Co., (Fifty Ave L, Inc.), 1-3	Fifty Ave L, Newark 1	NJ
Fedtro, Inc., 1	Fed Electr Bldg, Rockville Centre	NY
Fordham Mfg. Co., 1	2222 Pearsall Ave, Bronx	NY
G-C ELECTRONICS CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Mills, Inc., Mech Div., 2	1620 Central Ave N.E., Minneapolis 13	Minn
GENERAL RADIO CO., 3, Adv Pg 285	**West Concord**	**Mass**
Gibbs Mfg. & Research Corp., 1-2	454 N. Main St, Janesville	Wisc
GRAY INSTRUMENT CO., 1-3, Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
Gray Mfg. Co., The, 2	Dept 67, 16 Arbor St, Hartford 1	Conn
Hallamore Electronics Co., 2	714 N. Brookhurst Ave, Anaheim	Cal
Hickok Electrical Instrument Co., 2-3	10514 Dupont, Cleveland 8	Ohio
Hill Research Co., 3	49 Buckeye Ave, Oakland 18	Cal
Hi-Lo Mfg. Corp., 1	1122 W. Newport Ave, Chicago 13	Ill
Hunter Sales Co., Inc., R. N., 1	9851 Alburtis Ave, Sante Fe Springs	Cal
Hunter Tool Co., 1	9851 Alburtis, Santa Fe Springs	Cal
ITI Electronics Inc., 2	369 Lexington Ave, Clifton	NJ
ITT Federal Div., ITT, 2	100 Kingsland Rd, Clifton	NJ
Ideal Industries, Inc., 1	5103 Park Ave, Sycamore	Ill
Industrial Instruments, Inc., 3	89 Commerce Rd, Cedar Grove	NJ
Instrument Laboratories, 1-2	315 W. Walton Pl, Chicago 10	Ill
Intercontinental Dynamics Corp., 1-2-3	170 Coolidge Ave, Englewood	NJ
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
Knight Electronics, 3	210 S. Des Plaines St, Chicago 6	Ill
Knopp, Inc., 1	1307 66 St, Oakland 8	Cal
Kyoritsu Electrical Instruments Works, Ltd., 1-2-3	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Link Div., Gen Precision, Inc., 1-2	Nowlan Rd, Hillcrest, Binghamton	NY
LUMATRON ELECTRONICS, INC., 2, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
Molded Insulation Co., 1-3	335 E. Price St, Phila 44	Pa
North Electric Co., 1	553 S. Market St, Galion	Ohio
NORTH HILLS ELECTRIC CO., INC., 3, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
OPAD ELECTRIC CO., 1, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Optimized Devices, Inc., 1-2-3	864 Franklin Ave, Thornwood	NY
Pacific Automation Products, Inc., 1-2	1000 Air Way, Glendale	Cal
Packard Bell Computer Corp., 3	1905 Armacost Ave, Los Angeles 25	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 1-3	2295 N.W. 14th St, Miami 35	Fla
Performance Measurements Co., 1-2	15120 Third Ave, Detroit 3	Mich
PESCHEL ELECTRONICS, INC., 1, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Philco Corp., Gov't & Ind'l Div., 1-2-3	4700 Wissahickon Ave, Philadelphia 44	Pa
PRECISION APPARATUS CO., INC., 1-2, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Research Industrial Labs of Electronics, 1	Roslyn	Pa
Rodale Electronics, 1-2-3	562 Grand Blvd, Westbury	NY
ROTARY DEVICES CORP., 1-2, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Service Instruments Co., 1	426 S. Westgate Dr, Addison	Ill
Simpson Electric Co., Div., American Gage & Machine Co., 3	5218 W. Kinzie St, Chicago 44	Ill
Sittler Corp., 1	18 N. Ada St, Chicago 7	Ill
Slaughter Co., 1-2-3	Piqua 9	Ohio
Sorensen Industrial Electronic Co., 1	Rt 10, Dover	NJ
SPERRY MICROWAVE ELECTRONICS CO., 2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Stanley Aviation Corp., 1-2-3	2501 Dallas St, Denver 8	Colo
Stark Electronic Instruments, Ltd., 1	P.O. Box 670, Ajax, Ontario, Canada	

STICHT CO., INC., HERMAN H., 1, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Stone Laboratories Inc., 2	1312 Tremont St, Boston 20	Mass
Strand Engineering Co., 1	1354 N. Main St, Ann Arbor	Mich
Stromberg-Carlson Div., Gen Dynamics Corp., 1-2	100 Carlson Rd, Rochester 3	NY
Taffet Electronics, Inc., 1-2-3	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Technical Electronics Co., Div., Consol Electronic Indus Corp., 1-2-3	4060 Ince Blvd, Culver City	Cal
Tricraft Products Corp., 1	1124 W. Newport Ave, Chicago 13	Ill
U.S. Testing Co., Inc., 1-2	1415 Park Ave, Hoboken	NJ
WALSCO ELECTRONICS MFG. CO., 1, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Western Design Div., U.S. Industries, Inc., 1-2	Goleta	Cal

TESTERS –*COATING THICKNESS See* GAGES –*PAINT DEPTH*

TESTERS – *COIL*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
ASSOCIATED RESEARCH, INC., Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
California Tech Ind Div., Textron Inc	1421 Old County Rd, Belmont	Cal
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Crown Industrial Products Co	713 Amsterdam St, Woodstock	Ill
Davenport Mfg. Co	2530-32 N. Elston Ave, Chicago	Ill
DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electromatic Equipment Co	175 Remsen Ave, Brooklyn 12	NY
FREED TRANSFORMER CO., INC., Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
GENERAL RADIO CO., Adv Pg 285	**West Concord**	**Mass**
KARTRON, INC., Adv Pg 566	**Box 472, Huntington Beach**	**Cal**
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
PARAPLEGICS MFG. CO., INC., Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pennsylvania Testing Lab., Inc	Doylestown	Pa
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Seco Mfg. Co	5015 Penn Ave S., Minneapolis	Minn
Slaughter Co	Piqua 9	Ohio
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ

TESTERS –*COMPUTER*

Astrosystems Inc	220 E. 23rd St, New York 10	NY
Autonetics, Div., North American Aviation, Inc	9150 E. Imperial Hwy, Downey	Cal
CBC ELECTRONICS CO., INC., Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
California Tech Ind Div., Textron Inc	1421 Old County Rd, Belmont	Cal
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
Iconix, Inc	945 Industrial, Palo Alto	Cal
International Business Machines Corp	590 Madison Ave, New York 22	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Link Div., Gen Precision, Inc	Nowlan Rd, Hillcrest, Binghamton	NY
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
Rodale Electronics	562 Grand Blvd, Westbury	NY
Taffet Electronics, Inc	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ
WATERMAN PRODUCTS CO., INC., Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**

TESTERS –*CONTINUITY See* TESTERS –*CIRCUIT*

TESTERS –*CRYSTAL DIODE*
1. AUTOMATIC 2. MANUAL

A R & D A, 2	135 Main St, Belleville 9	NJ
Aerotronic Associates, 1-2	P.O. Box 367, Contoocook	NH
AIRBORNE INSTRUMENTS LAB., DIV., CUTLER-HAMMER, INC., 2, Adv Pg 272	**Comac Rd, Deer Park**	**NY**
Barnes Development Co., 1-2	213 W. Baltimore Pike, Lansdowne	Pa
Consolidated Avionics Corp., 1	800 Shames Dr, Westbury	NY
CROSBY TELECTRONIC LAB., INC., 2, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
DAVEN CO., 1-2, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Dorne & Margolin, Inc., 1-2	29 New York Ave, Westbury	NY
DYNATRAN ELECTRONICS CORP., 1-2, Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
E-H RESEARCH LABORATORIES, INC., 1-2, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Electro Instruments, Inc., 1-2	3540 Aero Ct, San Diego	Cal
Hickok Electrical Instrument Co., 2	10514 Dupont, Cleveland 8	Ohio
KEARFOTT DIV., GEN PRECISION, INC., 1-2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kollmorgen Optical Corp., 2	347 King St, Northampton	Mass
LAVOIE LABORATORIES, INC., 1, Adv Pg 262	**Morganville**	**NJ**
LUMATRON ELECTRONICS, INC., 1-2 Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
MEASUREMENTS RESEARCH CO., 1-2, Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
Millivac Instruments Div., Cohu Electronics Inc., 2	2315 Second Ave, Schenectady	NY
North Electric Co., 1	553 S. Market St, Galion	Ohio
NORTH HILLS ELECTRIC CO., INC., 2, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Optronized Devices, Inc., 1-2	864 Franklin Ave, Thornwood	NY
PRECISION APPARATUS CO., INC., 2, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Schmitt Engineering Co., 1	4062 Fabian Way, Palo Alto	Cal
Stark Electronic Instruments, Ltd., 2	P.O. Box 670, Ajax, Ontario, Canada	
Strempel Instrument Corp., 1	R D 1, Lake George	NY
Technical Electronics Co., Div., Consol Electronic Indus Corp., 1-2	4060 Ince Blvd, Culver City	Cal
Texas Instruments Incorporated, Geosciences & Instrumentation Div., 1	3609 Buffalo Spdwy, Houston 6	Tex
U.S. Testing Co., Inc., 1-2	1415 Park Ave, Hoboken	NJ
WALLSON ASSOCIATES, INC., 1-2, Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
WATERS MANUFACTURING, INC., 2, Adv Pg 487	**Boston Post Rd, Wayland**	**Mass**

TESTERS –*DISTORTION See* ANALYZERS –*DISTORTION*
TESTERS –*FLUTTER See* METERS –*WOW & FLUTTER*

TESTERS –*GYRO*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Dunn Engineering Associates, Inc	225 O'Brien Hwy, Cambridge 41	Mass
Genisco, Inc	2233 Federal Ave, Los Angeles 64	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Micro Gee Products, Inc	6319 W. Slauson, Box 1005, Culver City	Cal
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
MINN-HONEYWELL, BOSTON DIV., Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
NORTHEASTERN ENGINEERING, INC., Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Sterling Precision Corp	5 Sintsink Dr E., Port Washington	NY
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**

TESTERS –*HEARING See* AUDIOMETERS
TESTERS –*HIGH-POTENTIAL See* TESTERS –*INSULATION*

TESTERS –*INSULATION*
1. BREAKDOWN (HIGH-POTENTIAL) 2. CHARTERISTICS

Airmec Ltd., 1	High Wycombe, Buckinghamshire, England	
Anchor Specialty Mfg. Co., Inc., 1	300 Hollister Rd, Teterboro	NJ
Arizona Instrument Corp., 1	3839 N. 39th Ave, Phoenix	Ariz
ASSOCIATED RESEARCH, INC., 1, Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
Bliss Electronic Corp., 1	P.O. Box 366, Sussex	NJ
BRACKE-SEIB X-RAY CO., INC., 1, Adv Pg 504	**16 Pelham Bay Park W., Pelham Manor**	**NY**
Canadian Research Institute, 1	46 St. George St, Toronto 5, Ontario, Canada	
Central Research Labs., Inc., 2	Red Wing	Minn
Consolidated Avionics Corp., 2	800 Shames Dr, Westbury	NY
CURTISS-WRIGHT CORP., PRINCETON DIV., 1, Adv Pg 75	**Princeton**	**NJ**
Davenport Mfg. Co., 1	2530-32 N. Elston Ave, Chicago	Ill
Delsen Corp., 2	719 W. Broadway, Glendale 4	Cal
E-H RESEARCH LABORATORIES, INC., 2, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Eastern Specialty Co., 1	Philadelphia 40	Pa
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 1, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc., 2	3540 Aero Ct, San Diego	Cal
Electronic Brazing Co., 1	140 Glenridge Ave, Montclair	NJ
Evershed & Vignoles Ltd., 1-2	Chiswick, London W. 4, England	
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL HERMETIC SEALING CORP., 1-2, Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
General Measurements Co., Inc., 1	1108 Beacon St, Newton Highlands 61	Mass
GENERAL METERS, INC., 1, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 2, Adv Pg 285	**West Concord**	**Mass**
Halex, Inc., 1	310 E. Imperial Hwy, El Segundo	Cal
Hill Research Co., 1-2	49 Buckeye Ave, Oakland 18	Cal
Holtzer-Cabot Div., National Pneumatic Co., Inc., 2	125 Amory St, Boston 19	Mass
Ideal Industries, Inc., 1	5103 Park Ave, Sycamore	Ill
Industrial Instruments, Inc., 1	89 Commerce Rd, Cedar Grove	NJ
INDUSTRIAL TEST EQUIPMENT CO., 1, Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
Industrial Transformer Corp., 1	Gouldsboro	Pa
JANCO CORP., 1, Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
Kilovolt Corp., 1	2 Manor House Sq, Yonkers	NY
Magnetran, Inc., 1	P.O. Box 211, Kearny	NJ
MANSON LABORATORIES, INC., 1, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
MID-EASTERN ELECTRONICS, INC., 2, Adv Pg 224	**32 Commerce St, Springfield**	**NJ**
Minn-Honeywell, Missile Equipment Div., 1	Queen & S. Bailey, Pottstown	Pa
National Electronics, 1	P.O. Box 1237, Sheridan	Wyo
Network Industries Inc., 1	P.O. Box 397, Bayonne	NJ
OPAD ELECTRIC CO., 1, Adv Pg 492	**43-5 Walker St, New York 13**	**NY**
Optimized Devices, Inc., 1	864 Franklin Ave, Thornwood	NY
Pearce Simpson, Inc., 1	2295 N.W. 14th St, Miami 35	Fla
PESCHEL ELECTRONICS, INC., 1-2, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
PRECISE MEASUREMENTS CO., 1, Adv Pg 204	**R.D. 1, Millbrooks, Flemington**	**NJ**
RED BANK DIV., BENDIX AVIATION CORP., 1, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
ROTARY DEVICES CORP., 1, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Slaughter Co., 1-2	Piqua 9	Ohio
SORENSEN & CO., INC., 1, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Sorensen Industrial Electronic Co., 1	Rt 10, Dover	NJ
SPELLMAN HIGH VOLTAGE CO., 1, Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**
Standard Electronics Div., Reeves Instrument Corp., 1	Lakewood Rd, Farmingdale	NJ
STICHT CO., INC., HERMAN H., 1, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sunshine Scientific Instrument, 1	1810 Grant Ave, Philadelphia 15	Pa
Takk Corp., 1-2	P.O. Box 346, Newark	Ohio
Technical Electronics Co., Div., Consol Electronic Indus Corp., 1-2	4060 Ince Blvd, Culver City	Cal
Telectrosonic Corp., 2	35-18 37th St, Long Island City 1	NY
Van Norman Industries, Elect Div., 1	186 Granite St, Manchester	NH
Wyle-Parameters, Inc., 2	195 Herricks Rd, New Hyde Park	NY

TESTERS –*MEMORY-CORE*

Di An Controls, Inc	40 Leon St, Boston 15	Mass
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
ELECTRO-PULSE, INC., Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
Iconix, Inc	945 Industrial, Palo Alto	Cal

TESTERS –*METER See* CALIBRATORS –*METER*
TESTERS –*MOISTURE See* INDICATORS –*MOISTURE*
TESTERS –*MULTI-FUNCTION See* VOLT-OHM-MILLIAMMETERS

TESTERS –*POTENTIOMETER LINEARITY*

ACTON LABS, INC., Adv Pg 222	**533 Main St, Acton**	**Mass**
Astrosystems Inc	220 E. 23rd St, New York 10	NY
B & H Instrument Co	3479 W. Vickery Blvd, Ft. Worth 7	Tex
Barnes Development Co	213 W. Baltimore Pike, Lansdowne	Pa
Bytrex Corp	50 Hunt St, Newton	Mass
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
EIR Corp	5177 Overland Ave, Culver City	Cal
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Spectrol Electronics Corp	1704 S. Del Mar, San Gabriel	Cal
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal

TESTERS —*PRINTED-CIRCUIT ASSEMBLIES*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Performance Measurements Co	15120 Third Ave, Detroit 3	Mich
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
ROTARY DEVICES CORP., Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Slaughter Co	Piqua 9	Ohio
Technical Electronics Co., Div., Consol Electronic Indus Corp	4060 Ince Blvd, Culver City	Cal
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ

TESTERS —*RADAR*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Canadian Aviation Electronics Ltd	6214 Cote de Liesse Rd, Montreal 9, Canada	
CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
Dunn Engineering Associates, Inc	225 O'Brien Hwy, Cambridge 41	Mass
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
General Mills, Inc., Mech Div	1620 Central Ave N.E., Minneapolis 13	Minn
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kearfott Div. Gen. Precision, Inc., Microwave Prods	14844 Oxnard St, Van Nuys	Cal
MANSON LABORATORIES, INC., Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Missouri Research Labs., Inc	2109 Locust St, St. Louis 3	Mo
Pitometer Log Corp	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Radiation, Inc	Melbourne	Fla
Remanco, Inc	1805 Colorado, Santa Monica	Cal
Rodale Electronics	562 Grand Blvd, Westbury	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Vitro Corp of America	261 Madison Ave, New York 16	NY

TESTERS —*RADOME BORESIGHT*

California Tech Ind Div., Textron Inc	1421 Old County Rd, Belmont	Cal
Dunn Engineering Associates, Inc	225 O'Brien Hwy, Cambridge 41	Mass
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**

TESTERS —*RELAY*

Anaheim Electronics Div., Electronic Eng. Co of Cal	1601 E. Chestnut, Santa Ana	Cal
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
ASSOCIATED RESEARCH, INC., Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
Bliss Electronic Corp	P.O. Box 366, Sussex	NJ
Booth Co., Arthur E.	265 S. Alexandria Ave, Los Angeles 4	Cal
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Dit-Mco, Inc	911 Broadway, Kansas City	Mo
Eastern Specialty Co	Philadelphia 40	Pa
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electrol Specialties Co	441 Clark St, South Beloit	Ill
Electronic Engineering Co	1601 E. Chestnut Ave, Santa Ana	Cal
Fleetwood Laboratories, Inc	300 Victory Blvd, New Rochelle	NY
GENERAL HERMETIC SEALING CORP., Adv Pg 493	**99 E. Hawthorne Ave, Valley Stream**	**NY**
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Minn-Honeywell, Missile Equipment Div	Queen & S. Bailey, Pottstown	Pa
MOLECTRONICS CORP., MINNEAPOLIS-MOLINE SUB, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
Multi-Amp Electronic Corp	467A Lehigh Ave, Union	NJ
Nelson Electric Mfg. Co	P.O. Box 5385, Tulsa 16	Okla
North Electric Co	553 S. Market St, Galion	Ohio
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Optimized Devices, Inc	864 Franklin Ave, Thornwood	NY
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	
Sel-Rex Corp	75 River Rd, Nutley 10	NJ
Shasta Electronic Co	P.O. Box 316, Palo Alto	Cal
SIGMA INSTRUMENTS, INC., Adv. Pgs. 293-296	**180 Pearl St, South Braintree 85**	**Mass**
Slaughter Co	Piqua 9	Ohio
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
States Co	19 New Park Ave, Hartford 6	Conn
Sunshine Scientific Instrument	1810 Grant Ave, Philadelphia 15	Pa
United Mfg. Co., Div., W.L. Maxson Corp	41 Haig St, Hamden 14	Conn

TESTERS —*SEMICONDUCTOR CRYSTAL*

A R & D A	135 Main St, Belleville 9	NJ
Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
ASSOCIATED RESEARCH, INC., Adv Pg 490	**3788 W. Belmont Ave, Chicago 18**	**Ill**
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Barnes Development Co	213 W. Baltimore Pike, Lansdowne	Pa
BOONTON RADIO CORP., Adv Pg 108	**50 Intervale Rd, Boonton**	**NJ**
DYNATRAN ELECTRONICS CORP., Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
E-H RESEARCH LABORATORIES, INC., Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
MEASUREMENTS RESEARCH CO., Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Optimized Devices, Inc	864 Franklin Ave, Thornwood	NY
Scopes Co., Inc	P.O. Box 56, Monsey	NY
Service Instruments Co	426 S. Westgate Dr, Addison	Ill
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Transistor Electronics Corp	3357 Republic Ave, Minneapolis 26	Minn
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield, Elizabeth**	**NJ**
Wright Equipment Corp	128 N. Main St, Milltown	NJ

TESTERS —*SERVO*

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Astrosystems Inc	220 E. 23rd St, New York 10	NY
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Pacific Technical Co	2047 Sawtelle Blvd, Los Angeles 25	Cal
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Rockwell Engineering Co	2125 E. 45th St, Indianapolis 5	Ind
Rodale Electronics	562 Grand Blvd, Westbury	NY
Servo Consultants Ltd	80 Shore Rd, Port Washington	NY
Servomex Controls Ltd	Crowborough, Sussex, England	
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH

TESTERS —*SIGNAL-TRACING*

Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electronic Measurements Corp	625 Broadway, New York 12	NY
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Scott, Inc., H.H.	111 Powder Mill Rd, Maynard	Mass

TESTERS —*SYNCHRO ERROR*

Advance Instrument Corp	1109 Sixth Ave, Neptune	NJ
Astrosystems Inc	220 E. 23rd St, New York 10	NY
Belock Instrument Corp	112-03 14 Ave, College Point	NY
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
GRAY INSTRUMENT CO., Adv Pg 270	**448 Mill Rd, Andalusia**	**Pa**
INDUSTRIAL TEST EQUIPMENT CO., Adv Pg 413	**55 E. 11th St, New York 3**	**NY**
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
Minn-Honeywell, Rubicon Instruments	Ridge at 35 St, Philadelphia 32	Pa
Muirhead & Co., Ltd	Beckenham, Kent, England	
NORTH ATLANTIC INDUSTRIES, INC., Adv Pg 56	**Terminal Dr, Plainview**	**NY**
Pennsylvania Testing Lab., Inc	Doylestown	Pa
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
U.S. Gauge Div., Amer-Mach & Metals, Inc	Sellersville	Pa
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**

TESTERS —*SYSTEM (Incl. MISSILE CHECKOUT)*

American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
American Bosch Arma Corp	320 Fulton Ave, Hempstead	NY
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
B & F Instruments, Inc	3644 N. Lawrence St, Philadelphia 40	Pa
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
Canadian Aviation Electronics Ltd	6214 Cote de Liesse Rd, Montreal 9, Canada	
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY

DeHavilland Aircraft/Spec. Prods. Div	Downsview, Ontario, Canada	
Dit-Mco, Inc	911 Broadway, Kansas City	Mo
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp	515 Boccaccio, Venice	Cal
Electronic Development Corp	423 W. Broadway, Boston 27	Mass
Electronic Engineering Co	1601 E. Chestnut Ave, Santa Ana	Cal
ELECTRONIC SPECIALTY CO., Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
Erdco Engineering Corp	Addison	Ill
Ford Instrument Co., Div., Sperry Rand Corp	31-10 Thomson Ave, Long Island City 1	NY
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Giannini Controls Corp	1600 S. Mountain Ave, Duarte	Cal
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
Hoover Electronics Co	110 W. Timonium Rd, Timonium	Md
Hughes Microwave Components Div	Florence & Teale, Culver City	Cal
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
Kaiser Aircraft & Electronics	2222 W. Peoria Ave, Phoenix	Ariz
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Melpar, Inc	3000 Arlington Blvd, Falls Church	Va
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
Minn-Honeywell, Aeronautical Div	2600 Ridgway Rd, Minneapolis 13	Minn
Minn-Honeywell, Missile Equipment Div	Queen & S. Bailey, Pottstown	Pa
Newport Scientific Co	638 W. 17th St, Costa Mesa	Cal
Optimized Devices, Inc	864 Franklin Ave, Thornwood	NY
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Pearce Simpson, Inc	2295 N.W. 14th St, Miami 35	Fla
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
REF Mfg. Co	Jericho Trnpk, Mineola	NY
Radiation, Inc	Melbourne	Fla
Remanco, Inc	1805 Colorado, Santa Monica	Cal
Rodale Electronics	562 Grand Blvd, Westbury	NY
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Sperry Phoenix Co., Div., Sperry Rand	P.O. Box 2529, 21111 N. 19th, Phoenix	Ariz
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Stromberg-Carlson Div., Gen Dynamics Corp	100 Carlson Rd, Rochester 3	NY
Systron Corp	950 Galindo St, Concord	Cal
Technical Electronics Co., Div., Consol Electronic Indus Corp	4060 Ince Blvd, Culver City	Cal
THETA INSTRUMENT CORP., Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
United Mfg. Co., Div., W.L. Maxson Corp	41 Haig St, Hamden 14	Conn
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass
Wells Industries Corp	6880 Troost Ave, North Hollywood	Cal

TESTERS —*TAPE-PROGRAMMED*

Anaheim Electronics Div., Electronic Eng. Co of Cal	1601 E. Chestnut, Santa Ana	Cal
Astrosystems Inc	220 E. 23rd St, New York 10	NY
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Concord Control, Inc	1282 Soldiers Field Rd, Boston 35	Mass
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., Adv. Pgs. 193-196	**Teterboro**	**NJ**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp	515 Boccaccio, Venice	Cal
Electronic Engineering Co	1601 E. Chestnut Ave, Santa Ana	Cal
Emerson Electric Mfg. Co	8100 Florissant Ave, St. Louis 36	Mo
Erdco Engineering Corp	Addison	Ill
Hallamore Electronics Co	714 N. Brookhurst Ave, Anaheim	Cal
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Intercontinental Dynamics Corp	170 Coolidge Ave, Englewood	NJ
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LAVOIE LABORATORIES, INC., Adv Pg 262	**Morganville**	**NJ**
Marquardt Corp., Pomona Div	2709 N. Garey Ave, Pomona	Cal
Minn-Honeywell, Missile Equipment Div	Queen & S. Bailey, Pottstown	Pa
Optimized Devices, Inc	864 Franklin Ave, Thornwood	NY
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Potter Instrument Co., Inc	Sunnyside Blvd, Plainview	NY
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Tenlo Research Corp	9424 Lyndale Ave S., Minneapolis 20	Minn
Wang Laboratories, Inc	12 Huron Dr, Natick	Mass

TESTERS —*TORQUE* See INDICATORS —*TORQUE*

TESTERS —*TRANSISTOR*

A R & D A	135 Main St, Belleville 9	NJ
Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
Amplifier Corp of America	396 Broadway, New York 13	NY
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Armour Electronics	4201 Redwood Ave, Los Angeles 66	Cal
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Atronic Products, Inc	1 Bala Ave, Bala-Cynwyd	Pa
Avo Ltd	80 Shore Rd, Port Washington	NY
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Consolidated Airborne Systems	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp	800 Shames Dr, Westbury	NY
Cook Technological Center	6401 Oakton St, Morton Grove	Ill
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
CURTISS-WRIGHT, ELECTRONICS DIV., Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Curtiss-Wright Corp., IMI Branch	P.O.Box 8324, Albuquerque	NM
Data Products Co., Inc	7320 Westmore Rd, Rockville	Md
DYNATRAN ELECTRONICS CORP., Adv Pg 536	**178 Herricks Rd, Mineola**	**NY**
E-H RESEARCH LABORATORIES, INC., Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
Eder Engineering Co	1568 S. 1st St, Milwaukee 4	Wisc
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Electronic Research Associates, Inc	67 Factory Pl, Cedar Grove	NJ
Ensco, Inc	3100 Eldredge St, Salt Lake City	Utah
Ferrotran Electronic Co., Inc	693 Broadway, New York 12	NY
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hickok Electrical Instrument Co	10514 Dupont, Cleveland 8	Ohio
International Business Machines Corp	590 Madison Ave, New York 22	NY
International Research Associates	2221 Warwick Ave, Santa Monica	Cal
KAY ELECTRIC CO., Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Marstan Electronics Corp	204 Babylon Trnpk, Roosevelt	NY
MEASUREMENTS DIV., McGRAW-EDISON CO., Adv Pg 546	**Boonton**	**NJ**
MEASUREMENTS RESEARCH CO., Adv Pg 562	**3801 Castor Ave, Philadelphia**	**Pa**
METRONIX, INC., Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
North America Electronics	910 2nd Ave, N., Birmingham 4	Ala
North Electric Co	553 S. Market St, Galion	Ohio
NORTH HILLS ELECTRIC CO., INC., Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Optimized Devices, Inc	864 Franklin Ave, Thornwood	NY
OWEN LABORATORIES, INC., Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70- 31 84 St, Glendale 27**	**NY**
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Research Industrial Labs of Electronics	Roslyn	Pa
Rodale Electronics	562 Grand Blvd, Westbury	NY
Scopes Co., Inc	P.O. Box 56, Monsey	NY
Service Instruments Co	426 S. Westgate Dr, Addison	Ill
SIERRA ELECTRONIC CORP., Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Sonex, Inc	185 W. Schoolhouse Ln, Philadelphia 44	Pa
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
Stanley Aviation Corp	2501 Dallas St, Denver 8	Colo
Texas Instruments Incorporated Geosciences & Instrumentation Div	3609 Buffalo Spdwy, Houston 6	Tex
Trans Electronics, Inc	7349 Canoga Ave, Canoga Park	Cal
Transistor Electronics Corp	3357 Republic Ave, Minneapolis 26	Minn
Trans-Western Electronics	P.O. Box 1473, Ventura	Cal
Trott Electronics, Inc	412 Smith St, Rochester 8	NY
U.S. Testing Co., Inc	1415 Park Ave, Hoboken	NJ
WALLSON ASSOCIATES, INC., Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Wright Equipment Corp	128 N. Main St, Milltown	NJ

TESTERS —*TRANSMISSION* See TRANSMISSION TEST SETS

TESTERS —*TUBE*

1. AUTOMATIC (EMISSION OR TRANSCONDUCTANCE) 2. CATHODE-RAY 3. EMISSION 4. KLYSTRON 5. SELF-SERVICE 6. THYRATRON 7. TRANSCONDUCTANCE 8. TUBE & TRANSISTOR

A R & D A, 3-7-8	135 Main St, Belleville 9	NJ
Alectric Mfg. Co., 6	7842-39 Ave, Kenosha	Wisc
Allen Electric & Equipment Co., 5	2101 N. Pitcher St, Kalamazoo	Mich
Allied Radio Corp., 3	100 N. Western Ave, Chicago 80	Ill
Alpha Instrument Co., 7-8	43 Hempstead St, New London	Conn
Anko Mfg. Co., Inc., 8	5025 N. 124th St, Milwaukee	Wisc
Antronic Corp., 2	2713 W. Montrose Ave, Chicago 18	Ill
Avo Ltd., 7	80 Shore Rd, Port Washington	NY
B & K Mfg. Co., 1-2-7-8	1801 W. Belle Plaine, Chicago 13	Ill
Central Electronics, Inc., 2	1247 W. Belmont Ave, Chicago 13	Ill
CLEGG LABS., DIV., CLEGG, INC., 2, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Consolidated Avionics Corp., 1-8	800 Shames Dr, Westbury	NY
Ecco High Frequency Corp., 3	7020 Hudson Blvd, North Bergen	NJ
Electro Instruments, Inc., 1-8	3540 Aero Ct, San Diego	Cal
ELECTRONIC INSTRUMENT CO., INC., 2-3-8, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 3-5-7	625 Broadway, New York 12	NY
Fedtro, Inc., 8	Fed Electr Bldg, Rockville Centre	NY
Forway Industries, Inc., 7	122 Green Ave, Woodbury	NJ
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 4-6, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Heath Co., A Sub of Daystrom, Inc., 1-2-3	Benton Harbor	Mich
Hickok Electrical Instrument Co., 1-2-3-7-8	10514 Dupont, Cleveland 8	Ohio
Hi-Lo Mfg. Corp., 2-3	1122 W. Newport Ave, Chicago 13	Ill
I. H. Manufacturing Co., 2	121 Greene St, New York 12	NY
International Research Associates, 2	2221 Warwick Ave, Santa Monica	Cal
Jackson Electrical Instrument Co., 7	124 McDonough St, Dayton 2	Ohio
KAY ELECTRIC CO., 8, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., 1, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Knight Electronics, 3	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd., 8	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
LUMATRON ELECTRONICS, INC., 8, Adv Pg 486	**116 County Cthse Rd, New Hyde Park**	**NY**
Marstan Electronics Corp., 8	204 Babylon Trnpk, Roosevelt	NY
Mullard Equipment, Ltd., 8	Torrington Pl, London W.C. 1, England	
New London Instrument Co., 7	P.O. Box 189, New London	Conn
Philco Corp., Gov't & Ind'l Div., 1-8	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 8	Eindhoven, Netherlands	
POLARAD ELECTRONICS CORP., 4, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PRECISION APPARATUS CO., INC., 2-3-7-8, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Radiation, Inc, 4	Melbourne	Fla
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-7, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radiometer, 1	72 Emdrupvej, Copenhagen NV 1, Denmark	
Rank Cintel Ltd., 8	Worsley Bridge Rd, London S.E. 26, England	
Research Industrial Labs of Electronics, 2-3	Roslyn	Pa
Seco Mfg. Co., 1-3-5-8	5015 Penn Ave S., Minneapolis	Minn
Service Instruments Co., 3	426 S. Westgate Dr, Addison	Ill
Shell Electronics Mfg. Corp., 3-8	112 State St, Westbury	NY
Simpson Electric Co., Div., American Gage & Machine Co., 7-8	5218 W. Kinzie St, Chicago 44	Ill
Sorensen Industrial Electronic Co., 8	Rt 10, Dover	NJ

SPERRY MICROWAVE ELECTRONICS CO., 4, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Stanley Aviation Corp., 8	2501 Dallas St, Denver 8	Colo
Stark Electronic Instruments, Ltd., 1-2-3-7-8	P.O. Box 670, Ajax, Ontario, Canada	
Taffet Electronics, Inc., 1	2705 Brooklyn-Queens Expwy W., Woodside 77	NY
Tektronix Inc., 8	P.O. Box 831, Portland 7	Ore
Thomas Electronics, Inc., 1-2	118 Ninth St, Passaic	NJ
TRANSISTOR SPECIALTIES, INC., 8, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Tricraft Products Corp., 2-3	1124 W. Newport Ave, Chicago 13	Ill
Triplett Elec Instrument Co., 2-3-7-8	Harmon Rd, Bluffton	Ohio
VARIAN ASSOCIATES, 4, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
WALLSON ASSOCIATES, INC., 8, Adv Pg 554	**912 Westfield Ave, Elizabeth**	**NJ**
Wright Equipment Corp., 2-8	128 N. Main St, Milltown	NJ

TESTERS —*VIBRATOR*

All American Tool & Mfg. Co	8027 Lawndale, Skokie	Ill
Anchor Specialty Mfg. Co., Inc	300 Hollister Rd, Teterboro	NJ
Anko Mfg. Co., Inc.	5025 N. 124th St, Milwaukee	Wisc
Cosa Corp.	405 Lexington Ave, New York 17	NY
Electronic Measurements Corp	625 Broadway, New York 12	NY
Hill & Co., E. Vernon	P.O. Box 189, Lake Geneva	Wisc
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Service Instruments Co	426 S. Westgate Dr, Addison	Ill
Sorensen Industrial Electronic Co	Rt 10, Dover	NJ
STATHAM INSTRUMENTS, INC., Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**

TESTERS —*VOLTAGE* See *VOLTMETERS*
TEST LEADS See LEADS
TEST-LEAD TERMINAL PLUGS See PLUGS
TESTING LABORATORIES See LABORATORIES
TEST RECORDS —*DISK* See RECORDS
TEST SETS See TESTERS
TEST SETUPS —*BENCH* See BENCH TEST SETUPS
TETRODE TRANSISTORS See TRANSISTORS
THERMAL BOLOMETERS See BOLOMETERS
THERMAL CELLS See CELLS —*THERMAL*
THERMISTOR BRIDGES See BRIDGES
THERMISTOR MOUNTS See MOUNTS —*BOLOMETER*
THERMISTORS —*BOLOMETER* See BOLOMETERS —*MICROWAVE*

THERMISTORS
1. NEGATIVE TEMPERATURE COEFFICIENT 2. POSITIVE TEMPERATURE COEFFICIENT

Bart Labs & Design Inc., 1	125 Manchester Pl, Newark 4	NJ
Bergen Labs., Inc., 2	60 Spruce St, Paterson 1	NJ
CARBORUNDUM CO., GLOBAR PLANT, 1, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
CORNELL-DUBILIER ELECTRIC CORP., 1-2, Adv Pg 321	**South Plainfield**	**NJ**
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
FENWAL ELECTRONICS, INC., 1, Adv Pg 326	**51 Mellen St, Framingham**	**Mass**
Fenwal, Inc., 1	Pleasant St, Ashland	Mass
FERROXCUBE CORP OF AMERICA, 1, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
G-C ELECTRONICS CO., 1-2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
General Electric Co., Heavy Military Electronics Dept., 1-2	Court St, Syracuse	NY
General Electric Co., Magnetic Materials Section, 1	7806 N. Neff Blvd, Edmore	Mich
Gulton Industries, Inc., 1	212 Durham Ave, Metuchen	NJ
KEYSTONE CARBON CO., RESISTOR DIV., 1-2 Adv Pg 107	**St. Marys**	**Pa**
KIDDE & CO., INC., WALTER, 1-2, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
MULLARD OVERSEAS, LTD., 1-2, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
Nucleonic Products Co., 1	1601 Grande Vista Ave, Los Angeles 23	Cal
PRD ELECTRONICS, INC., 1-2, Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
SPERRY MICROWAVE ELECTRONICS CO., 1-2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	Eng
Trionics Corp., 1	P. O. Box 548, Madison 1	Wisc
Ultronix, Inc., 2	111 E. 20th Ave, San Mateo	Cal
Victory Engineering Corp., 1	101 Springfield Rd, Union	NJ
Yellow Spring Instrument Co., Inc., 1	P.O. Box 106E, Yellow Springs	Ohio

THERMOCOUPLE ALLOYS See ALLOYS —*SPECIAL PURPOSE*
THERMOCOUPLE CONNECTORS See CONNECTORS
THERMOCOUPLE INSULATORS See INSULATORS —*THERMOCOUPLE*
THERMOCOUPLE METERS See AMMETERS: METERS —*THERMOCOUPLE*

THERMOCOUPLES
1. BASIC 2. PYROMETRIC 3. REFERENCE JUNCTION 4. VACUUM-TYPE

AEG, 1	Hochhaus Sued, Frankfurt/Main, Germany	
Advanced Electronics, Inc., 1	94 Silas Deane Hwy, Rocky Hill	Conn
Advanced Technology Labs., 1	369 Whisman Rd, Mountain View	Cal
Aero Research Instrument Co., 1-3	315 N. Aberdeen St, Chicago 7	Ill
American Instrument Co., Inc., 1	8030 Georgia Ave, Silver Spring	Md
American Thermo Electric Co., 4	1023 N. Fuller Ave, Los Angeles 46	Cal
Astra Technical Instrument Corp., 1	3014 S. Halladay St, Santa Ana	Cal
Avien Corp., 3	58-15 Northern Blvd, Woodside 77	NY
Bailey Meter Co., 2	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bishop & Co., J., Platinum Works, 1-2	Malvern	Pa
Bristol Co., 1-2	P.O. Box 1790EBG, Waterbury 20	Conn
Cardinal Instrumentation Corp., 1	4201 Redwood Ave, Los Angeles 66	Cal
Central Electronic Mfrs., Div of Nuclear Corp of America, 4	2 Richwood Pl, Denville	NJ
Consolidated Controls Corp., 2	6 Durant Ave, Bethel	Conn
DAVEN CO., 3, Adv. Pgs. 220, 221	**Rt. 10, Livingston**	**NJ**
Dyna-Empire, Inc., 1	1075 Stewart Ave, Garden City	NY
Electronic Research Labs., 4	85 Surry St, Brighton 35	Mass
Electrowest, Inc., 2	2351 Albatross Way, Sacramento 15	Cal
Fenwal, Inc., 1	Pleasant St, Ashland	Mass
Foxboro Co., The, 1-2	Foxboro	Mass
Fredericks Co., 1-2-3-4	Bethayres	Pa
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 4	2 Churchill Rd, Hingham 1	Mass
Illinois Testing Labs., Inc., 1-2-3	420 N. LaSalle St, Chicago 10	Ill
J-B-T INSTRUMENTS, INC., 2, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
Kyoritsu Electrical Instruments Works, Ltd., 4	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
Leeds & Northrup Co., 1-2-3	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., 1-2-3, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Minn-Honeywell, Industrial Div., 1-2-3	Wayne & Windrim, Philadelphia 44	Pa
Nacimco Products, Inc., 1	1090 Morena Blvd, San Diego	Cal
Pace Engineering Co., 3	13035 Saticoy St, North Hollywood	Cal
Pacific Transducer Corp., 2	11836 W. Pico Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Pyro-Electric, Inc., 1-2	552 Lincoln Ave, Winnetka	Ill
Pyrometer Co of America, Inc., 1-2-3	600 E. Lincoln Hwy, Penndel	Pa
Pyrometer Instrument Co., Inc., 2	92 Portland Ave, Bergenfield	NJ
RAWSON ELECTRICAL INSTRUMENT CO., 4, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Reeder & Co., Charles M., 4	173 Victor Ave, Detroit 3	Mich
Revere Corp of America Sub., Neptune Meter Co., 1	Wallingford 2	Conn
Royco Instruments, Inc., 1-2-3	365 San Antonio Rd, Mountain View	Cal
Ruge Associates, Inc., Arthur C., 3	Hudson	NH
SENSITIVE RESEARCH INSTRUMENT CORP., 4, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Smith Mfg. Co., Inc., E.C., 1-2-3	Forrest & Hector Sts, Conshohocken	Pa
Tektron Instrument Co., 1-2	Box 4215, Sacramento 21	Cal
Temperature Engineering Corp., 2-4	1500 Union Landing Rd, Riverton	NJ
Thermo Electric Co., 1-2-3	Rochelle Park P.O., Saddle Brook	NJ
Thermo Electric Mfg. Co., 2	465 Huff St, Dubuque	Iowa
Thermo Nuclear Wire Industries, 1	137 Grand St, New York	NY
Thermovolt Instruments, Ltd., 1-2-3-4	70 Advance Rd, Toronto 18, Ontario, Canada	
Thwing-Albert Instrument Co., 1-2	5351 Pulaski Ave, Philadelphia 44	Pa
United Sensor & Control Corp., 1-2	Glastonbury	Conn
Vactronic Lab. Equipment, Inc., 4	21 Monmouth Ct, East Northport	NY
Welch Scientific Co., W.M., 4	1515 Sedgwick St, Chicago 10	Ill
West Instrument Corp., 1-2	4363 W. Montrose, Chicago 41	Ill
Yokogawa Electric Works, Inc., 4	40 Worth St, New York 13	NY

THERMOCOUPLE WIRE See WIRE —*THERMOCOUPLE*
THERMOELECTRIC COOLERS See COOLING UNITS

THERMOMETERS —*RESISTANCE*

Aero Research Instrument Co	315 N. Aberdeen St, Chicago 7	Ill
Arnoux Corp	11924 W. Washington Blvd, L.A. 66	Cal
Astra Technical Instrument Corp	3014 S. Halladay St, Santa Ana	Cal
Avien Corp	58-15 Northern Blvd, Woodside 77	NY
Bailey Meter Co.	1050 Ivanhoe Rd, Cleveland 10	Ohio
Bergen Labs., Inc	60 Spruce St, Paterson 1	NJ
Cardinal Instrumentation Corp.	4201 Redwood Ave, Los Angeles 66	Cal
Consolidated Controls Corp.	6 Durant Ave, Bethel	Conn
Convair Div of General Dynamics Corp	3595 Frontier St, San Diego 10	Cal
Dillon & Co., Inc., W.C.	14620 Keswick St, Van Nuys	Cal
Edison Ind, Thos. A., Instr Div., McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
Electro-Medical Lab., Inc	South Woodstock 8	Vt
Electrowest, Inc	2351 Albatross Way, Sacramento 15	Cal
Foxboro Co., The	Foxboro	Mass
Illinois Testing Labs., Inc	420 N. LaSalle St, Chicago 10	Ill
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
Minco Products, Inc	740 Washington Ave, N., Minneapolis 1	Minn
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Nacimco Products, Inc	1090 Morena Blvd, San Diego	Cal
Royco Instruments, Inc	365 San Antonio Rd, Mountain View	Cal
Ruge Associates, Inc., Arthur C.	Hudson	NH
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Smith Mfg. Co., Inc., E.C	Forrest & Hector Sts, Conshohocken	Pa
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
Thermo Electric Co.	Rochelle Park P.O., Saddle Brook	NJ
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Thwing-Albert Instrument Co	5351 Pulaski Ave, Philadelphia 44	Pa
Tinsley Instruments (Canada), Ltd.	P.O. Box 99, Smiths Falls, Ontario, Canada	
Trans-Sonics, Inc	Dept. 5, Burlington	Mass
West Coast Research Corp	2102 S. Sepulveda Blvd, Los Angeles	Cal
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill
Yellow Springs Instrument Co., Inc	P.O. Box 106E, Yellow Springs	Ohio

THERMOPILES

Aero Research Instrument Co	315 N. Aberdeen St, Chicago 7	Ill
Astra Technical Instrument Corp	3014 S. Halladay St, Santa Ana	Cal
Eppley Lab., Inc	12 Sheffield Ave, Newport	RI
Illinois Testing Labs., Inc	420 N. LaSalle St, Chicago 10	Ill
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Minnesota Mining & Mfg. Co	900 Bush Ave, St. Paul 6	Minn
Reeder & Co., Charles M.	173 Victor Ave, Detroit 3	Mich
Smith Mfg. Co., Inc., E.C	Forrest & Hector Sts, Conshohocken	Pa
Tektron Instrument Co	Box 4215, Sacramento 21	Cal
Thermo Electric Co.	Rochelle Park P.O., Saddle Brook	NJ
Thermovolt Instruments, Ltd.	70 Advance Rd, Toronto 18, Ontario, Canada	

THERMOSTATIC BI-METALS See BI-METALS

THERMOSTATS —*BI-METAL*

Burling Instrument Co	23 River Rd, Chatham	NJ
Cox & Co., Inc	115 E. 23rd St, New York 10	NY
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Edison Ind, Thos. A., Instr Div. McGraw-Edison Co	81 Lakeside Ave, West Orange	NJ
Engelhard Industries, Inc.	113 Astor St, Newark 2	NJ
Fenwal, Inc	Pleasant St, Ashland	Mass
Franklin-Dales Co	180 E. Mill St, Akron	Ohio
G-V CONTROLS, INC., Adv Pg 301	**Okner Pkwy, Livingston**	**NJ**
General Controls Co	801 Allen Ave, Glendale 1	Cal
Mechanical Ind. Production Co	217 Ash St, Akron 8	Ohio
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill.
Minn-Honeywell, Industrial Div	Wayne & Mindrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co.	2753 4th Ave S., Minneapolis 8	Minn
Stevens Mfg. Co., Inc	P.O. Box Annex 1007, Lexington	Ohio
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermocal, Div., Jamieson Labs., Inc	7900 Haskell Ave, Van Nuys	Cal

Welch Scientific Co., W.M.	1515 Sedgwick St, Chicago 10	Ill

THERMOSTATS *–ELECTRONIC* See **CONTROLS** *–TEMPERATURE*
THICKNESS CONTROLS See **CONTROLS** *–THICKNESS*
THICKNESS INDICATORS See **INDICATORS** *–THICKNESS*
THICKNESS RECORDERS See **RECORDERS** *–THICKNESS*

THORIUM

Davison Chemical Div., W.R. Grace & Co	P.O. Box 218, Erwin	Tenn
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Metal Hydrides, Inc	Beverly	Mass

THORIUM OXIDE

AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Davison Chemical Div., W.R. Grace & Co	P.O. Box 218, Erwin	Tenn
A.D. Mackay, Inc	198 Broadway, New York 38	NY
National Beryllia Corp	4501 Dell Ave, North Bergen	NJ
Pyro-Electric, Inc	552 Lincoln Ave, Winnetka	Ill
Zirconium Corp of America	31501 Solon Rd, Solon 39	Ohio

THREADED RODS See **METAL PARTS** *–THREADED RODS*
THYRATRON ANALYZERS See **TESTERS** *–TUBE*
THYRATRON CONTROLS See **CONTROLS** *–MOTOR SPEED:* **CONTROLS** *–WELDING*
THYRATRONS *–SOLID-STATE* See **RECTIFIERS** *–SEMICONDUCTOR: CONTROLLED*
THYRATRONS *–TUBE* See **TUBES** *–THYRATRON*
THYRATRON TESTERS See **TESTERS** *–TUBE*
TIME DELAY FUSES See **FUSES**
TIME DELAYS *–A-F, VARIABLE* See **DELAYS** *–TIME*
TIME-INTERVAL INDICATORS See **CHRONOSCOPES**
TIME-INTERVAL RECORDERS See **CHRONOGRAPHS**
TIMERS *–CLOCK RADIO, CYCLE, AUTOMATIC CYCLE, INTERVAL & RESET* See **TIMERS** *–MOTOR-OPERATED*

TIMERS *–ELECTRONIC*
1. BASIC CIRCUIT-CONTROLLING 2. PULSE INTERVAL TIMING

AEG, 1-2	Hochhaus Sued, Frankfurt/Main, Germany	
Abrams Instrument Corp., 1-2	606 E. Shiawassee, Lansing	Mich
Aircraft Instruments Co., 2	King of Prussia Rd at Montgomery Ln, Radnor	Pa
Aimec Ltd., 1	High Wycombe, Buckinghamshire, England	
Airtronics, Inc., 1-2	5522 Dorsey Ln, Washington 16	DC
Allen-Bradley Co., 1	136 W. Greenfield Ave, Milwaukee 4	Wisc
American-Monarch Corp., 1	2801 37 Ave N.E., Minneapolis 18	Minn
American Research Lab., 1	336 S. Main St, Fort Atkinson	Wisc
Anadex Instruments, Inc., 1	14734 Arminta St, Van Nuys	Cal
Ardwin Microlab, Inc., 1-2	21 Spencer St, Stoneham 80	Mass
Automatic Timing & Controls, Inc., 1	King of Prussia	Pa
Autotron, Inc., 1	3629 N. Vermilion St, Danville	Ill
BECKMAN/BERKELEY DIV., 2, Adv. Pgs. 308, 309	**2220 Wright Ave, Richmond**	**Cal**
Belock Instrument Corp., 1-2	112-03 14 Ave, College Point	NY
Biophysical Electronics, Inc., 2	New Hope	Pa
California Computer Products, Inc., 2	8714 Cleta St, Downey	Cal
Chrono-Log Corp., 1	P.O.Box 4587, Philadelphia 31	Pa
Computer Measurements Corp., 2	5528 Vineland Ave, North Hollywood	Cal
Computing Devices of Canada, Ltd., 2	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Airborne Systems, 2	900 3rd Ave, New Hyde Park	NY
Consolidated Avionics Corp., 1-2	800 Shames Dr, Westbury	NY
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Steper Pl, Huntington Station**	**NY**
Control Equipment Corp., 1-2	19 Kearney Rd, Needham Heights 94	Mass
Cooper Development Corp., 1	2626 S. Peck Rd, Monrovia	Cal
Crane Electronics Co., 1-2	4345 Hollister Ave, Santa Barbara	Cal
CROSBY TELECTRONIC LAB., INC., 2, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
CURTISS-WRIGHT, ELECTRONICS DIV., 1, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Data Products Co., Inc., 1	7320 Westmore Rd, Rockville	Md
Designers for Industry, 2	4241 Fulton Pkwy, Cleveland 9	Ohio
Deston Co., 1-2	25914 Chalmette Av, Rolling Hills, Est	Cal
Di An Controls, Inc., 1-2	40 Leon St, Boston 15	Mass
Digitool Corp., 1	P.O. Box 22242, Houston 27	Tex
Digitran Co., 2	660 S. Arroyo Pkwy, Pasadena	Cal
DYMEC, DIV., HEWLETT-PACKARD CO., 1, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Eagle Signal Co., A Div of the Gamewell Co., 1	202 20th St, Moline	Ill
Electro Instruments, Inc., 1-2	3540 Aero Ct, San Diego	Cal
ELECTRO-PULSE, INC., 2, Adv Pg 418	**11861 Teale St, Culver City**	**Cal**
ELECTRO SEAL CORP., 1, Adv Pg 384	**946 North Ave, Des Plaines**	**Ill**
Electrodynamic Instrument Corp., 2	1841 Old Spanish Trail, Houston 25	Tex
Electronic Counters, Inc., 1-2	155 Eileen Way, Syosset	NY
Electronic Engineering Co., 1-2	1601 E. Chestnut Ave, Santa Ana	Cal
Electronic Specialties Co., 1	P.O. Box 1041, Wyandotte	Mich
Electronics Corp of America, 1-2	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus, 1-2	Bad Ragaz, Switzerland	
Epsco-West, 1-2	240 E. Palais Rd, Anaheim	Cal
ERIE RESISTOR CORP., 1, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Farmer Electric Products Co., Inc., 1-2	2300 Washington, Newton Lower Falls	Mass
Flight Research, Inc., 2	P.O. Box 1-F, Richmond 1	Va
G-V CONTROLS, INC., 1, Adv Pg 301	**Okner Pkwy, Livingston**	**NJ**
GENERAL DEVICES, INC., 1-2, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Time Central Research Lab, 1-2	107 Lafayette St, New York 13	NY
Geotechnical Corp., 1-2	3401 Shiloh Rd, Garland	Tex
Gilfillan Bros., Inc., 2	1815 Venice Blvd, Los Angeles 6	Cal
Gordon Enterprises, 1-2	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Hamilton Watch Co., Industrial Div., 2	Lancaster	Pa
Hamner Electronics Co., Inc., 1	P.O. Box 531, Princeton	NJ
Haydon Co., A.W., The, 1-2	238 N. Elm St, Waterbury	Conn
HEWLETT-PACKARD CO., 2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Houston Fearless Corp., 2	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hunter Mfg. Co., 1	P.O. Box 153, Coralville Br, Iowa City	Iowa
I-L-S Instrument Div., Meriam Instrument Co., 1-2	4525 W. 160th St, Cleveland 35	Ohio
Iconix, Inc., 1-2	945 Industrial, Palo Alto	Cal
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
JANCO CORP., 2, Adv Pg 465	**3111 Winona Ave, Burbank**	**Cal**
Jordan Electronics Div., 1-2	3025 W. Mission Rd, Alhambra	Cal
Leach Corp., 1-2	18435 Susana Rd, Compton	Cal
Lear, Inc., 2	3171 S. Bundy Dr, Santa Monica	Cal
Loral Electronics Corp., 2	825 Bronx River Ave, New York 72	NY
Lumenite Electric Co., 1-2	407 S. Dearborn St, Chicago 5	Ill
Lundy Mfg. Corp., 1-2	Robert Ln, Glen Head	NY
Machinery Electrification, Inc., 1	56 Hudson St, Northboro	Mass
Mallory & Co., Inc., P.R., 1-2	34 S. Gray St, Indianapolis 6	Ind
Marquardt Corp., Pomona Div., 1-2	2709 N. Garey Ave, Pomona	Cal
Mast Development Co., Inc., 1-2	2212 E. 12th St, Davenport 20	Iowa
Millen Mfg. Co., James, 5-6	150 Exchange St, Malden	Mass
Mini-Rad, Inc., 1-2	7416-E Varna Ave, N. Hollywood	Cal
Miratel Inc., 1	1080 Dionne St, St. Paul	Minn
NAVIGATION COMPUTER CORP., 1-2, Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Nelson Instrument Co., 1	607 Howard St, Evanston	Ill
NORTHEASTERN ENGINEERING, INC., 1-2, Adv. Pgs. 369-372	**P.O. Box 150, Manchester**	**NH**
Nuclear Chicago Corporation, 2	333 E. Howard St, Des Plaines	Ill
Optomechanisms, Inc., 1-2	216 E. Second St, Mineola	NY
Otis Elevator Co., 1-2	35 Ryerson St, Brooklyn 5	NY
Pacific Automation Products, Inc., 1	1000 Air Way, Glendale	Cal
Packard Bell Computer Corp., 1-2	1905 Armacost Ave, Los Angeles 25	Cal
Paravox, Inc., 1	Oakland Pk. St, Ft. Lauderdale	Fla
PENNWOOD NUMECHRON CO., 2, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
Performance Measurements Co., 2	15120 Third Ave, Detroit 3	Mich
Philips' Gloeilampenfabrieken, N.V., 1	Eindhoven, Netherlands	
Post Electronic Products, 2	140 Elliott St, Beverly	Mass
Radiation Research Corp., 2	1114 First Ave, New York 21	NY
Ransom Research, Inc., 1-2	374 W. 8th St, Box 269, San Pedro	Cal
Research Industrial Labs of Electronics, 1	Roslyn	Pa
ROTARY DEVICES CORP., 2, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Sloan Co., Autotimer/Colorlite Divs., 1-2	7704 San Fernando Rd, Sun Valley	Cal
Societe Industrielle de Sonceboz S.A., 1-2	Sonceboz, Switzerland	
Spec-Tronics, 1-2	13942 Saticoy Ave, Van Nuys	Cal
STICHT CO., INC., HERMAN H., 2, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sunshine Scientific Instrument, 2	1810 Grant Ave, Philadelphia 15	Pa
Systron Corp., 2	950 Galindo St, Concord	Cal
Temco Electronics Div., Temco Aircraft Corp., 2	P.O. Box 6191, Dallas 22	Tex
TEMPO INSTRUMENT, INC., 1-2, Adv Pg 353	**Commercial St, Hicksville**	**NY**
Topp Industries, Inc., 2	5221 W. 102 St, Los Angeles 45	Cal
TRANSISTOR SPECIALTIES, INC., 2, Adv Pg 497	**Terminal Dr, Plainview**	**NY**
Trepac Corp of America, 1-2	30 W. Hamilton Ave, Englewood	NJ
TRIO LABORATORIES, INC., 1-2, Adv Pg 283	**Plainview**	**NY**
Trott Electronics, Inc., 1	412 Smith St, Rochester 8	NY
Tullamore Electronics Corp., 1	6055 S. Ashland Ave, Chicago 36	Ill
Ulanet Co., George, 1	413 Market St, Newark 5	NJ
United Control Corp., 1	4540 Union Bay Pl, Seattle 5	Wash
U.S. Science Corp., 2	5221 W. 102nd St, Los Angeles 45	Cal
VARO MFG. CO., INC., 1-2, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vemaline Products Co., 1	P.O. Box 222ED, Hawthorne	NJ
Venner Electronics Ltd., 1-2	Kingston By-Pass, New Malden, England	
Vitro Corp of America, 1-2	261 Madison Ave, New York 16	NY
Voi-Shan Electronics, 1-2	13259 Sherman Way, North Hollywood	Cal
Walkirt Co., 1-2	141 W. Hazel St, Inglewood 3	Cal
Weltronic Co., 1-2	19500 W. Eight Mile Rd, Southfield	Mich
Western Design Div., U.S. Industries, Inc., 1-2	Goleta	Cal
Westport Electric, 2	149 Lomita St, El Segundo	Cal
Westrex Corp., Div., Litton Industries, 1	540 W. 58 St, New York 19	NY
Wheaton Engineering Co., 1-2	P. O. Box 191, Wheaton	Ill
Wilson & Co., G.C., 1	1915 Eighth Ave, Huntington	W. Va
Zenith Electric Co., 2	152 W. Walton St, Chicago 10	Ill

TIMERS *–HOUR-COUNTING* See **TIMERS** *–MOTOR-OPERATED, RUNNING TIME*
TIMERS *–IMPULSE* See **TIMERS** *–ELECTRONIC, PULSE INTERVAL*

TIMERS *–MOTOR-OPERATED*
1. CIRCUIT-CONTROLLING (ON OR OFF ACTION AT THE END OF PRESET TIME INTERVAL) 2. CIRCUIT-CONTROLLING, AUTOMATIC RECYCLING 3. CLOCK RADIO 4. CYCLING & SEQUENCING, MULTI-CONTACT 5. INTERVAL-TIMING 6. RUNNING-TIME

Abrams Instrument Corp., 1-2-4-5	606 E. Shiawassee, Lansing	Mich
Aemco, Inc., 1-2-4-5	14 State St, Mankato	Minn
Airtronics, Inc., 1-2-4-5	522 Dorsey Ln, Washington 16	DC
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 4-5-6, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
Allen-Bradley Co., 1	136 W. Greenfield Ave, Milwaukee 4	Wisc
American-Monarch Corp., 4	2801 37 Ave N.E., Minneapolis 18	Minn
Amglo Corp., 1-2-4-5-6	4333 N. Ravenswood Ave, Chicago 13	Ill
Ardwin Microlab, Inc., 1-2-5	21 Spencer St, Stoneham 80	Mass
Automatic Timing & Controls, Inc., 1-2-4-5	King of Prussia	Pa
Bayside Timers, 2-4-5	43-27 162 St, Flushing	NY
Beattie-Coleman, Inc., 4	1000 N. Olive St, Anaheim	Cal
Belock Instrument Corp., 1-2-4-5-6	112-03 14 Ave, College Point	NY
Bernco Engineering Corp., 1-2-4-5	2320 S. Tibbs Ave, Indianapolis	Ind
Bristol Motor Div., Vocaline Co of America, 1-2-4-5-6	Old Saybrook	Conn
Canadian Applied Research Ltd., 1-2-5	750 Lawrence Ave, W., Toronto 19, Canada	
Chrono-Log Corp., 1-4-5-6	P.O.Box 4587, Philadelphia 31	Pa
Control Data Corp., Cedar Engr. Div., 5	501 Park Ave, Minneapolis 15	Minn
Controls Co of America, 1-4-5	9555 Soreng, Schiller Park	Ill
Cooper Development Corp., 1	2626 S. Peck Rd, Monrovia	Cal
Cramer Controls Corp., 1-2-4-5-6	P.O. Box 13, Centerbrook	Conn
Crane Electronics Co., 1-2-5	4345 Hollister Ave, Santa Barbara	Cal
Daco Instrument Co., 5-6	Tillary & Prince, Brooklyn 1	NY
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 6, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Designers for Industry, 1-2-5-6	4241 Fulton Pkwy, Cleveland 9	Ohio
Dietz Co., Inc., Henry G., 4-5	12-16 Astoria Blvd, Long Island City 2	NY
Digitran Co., 1-2-4-5-6	660 S. Arroyo Pkwy, Pasadena	Cal
DIMCO-GRAY CO., 1-5, Adv Pg 555	**207 E. 6th St, Dayton**	**Ohio**
Eagle Signal Co., Div., Gamewell Co., 1-2-3-4-5-6	202 20th St, Moline	Ill
Electric Switch Corp., 1-2-4	2320 S. Tibbs Ave, Indianapolis 41	Ind
ERIE RESISTOR CORP., 1-5, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Exact Engineering & Mfg., Inc., 5-6	Box 447, Oceanside	Cal
Foxboro Co., The, 1-2	Foxboro	Mass
Franklin-Dales Co., 1	180 E. Mill St, Akron	Ohio
General Control Co., 1-2-4-5	1212 Soldiers Field Rd, Boston 34	Mass
General Controls Co., 1-2-4-5	801 Allen Ave, Glendale 1	Cal
GENERAL DEVICES, INC., 1-2-3-4-5-6, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**

GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-6, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Clock & Timer Dept., 3	Ashland	Mass
Geotechnical Corp., 3-5	3401 Shiloh Rd, Garland	Tex
Gilfillan Bros., Inc., 5	1815 Venice Blvd, Los Angeles 6	Cal
Globe Industries, Inc., 4-5	1784 Stanley Ave, Dayton 4	Ohio
Gordon Enterprises, 1-2-4-5	5362 N. Cahuenga Blvd, N. Hollywood	Cal
Greenleaf Mfg., Div of Mandrel Industries, Inc., 5	7814 Maplewood Ind Ct, St. Louis 17	Mo
Hagen Mfg. Co., 1-2-4-5-6	104 Walnut St, Baraboo	Wisc
Hamilton Watch Co., Industrial Div., 3-5	Lancaster	Pa
Hamner Electronics Co., Inc., 1	P.O. Box 531, Prigceton	NJ
Haydon Co., A.W., The, 1-2-4-5-6	238 N. Elm St, Waterbury	Conn
HAYDON DIV., GENERAL TIME CORP., 1-2-4-5-6, Adv Pg 435	**500 E. Elm St, Torrington**	**Conn**
Herbach & Rademan, Inc., 1-2-3-4-5	1204 Arch St, Philadelphia 7	Pa
Houston Fearless Corp., 5-6	11801 W. Olympic Blvd, Los Angeles 64	Cal
Hudson Bay Co., Div., Labline, Inc., 5	3070 W. Grand, Chicago 22	Ill
Hunter Mfg. Co., 5	P.O. Box 153, Coralville Br, Iowa City	Iowa
Industrial Timer Corp., 1-2-4-5-6	1407 McCarter Hwy, Newark 4	NJ
Ingraham Co., E 1-2-3-4-5-6	Bristol	Conn
Instrument Systems Corp., 4-5	129-07 18th Ave, College Point 56	NY
International Register Co., 1-2-3-5-6	2620 Washington Blvd, Chicago 12	Ill
J-B-T INSTRUMENTS, INC., 6, Adv. Pgs. 140, 141	**133 Hamilton St, New Haven 8**	**Conn**
KEARFOTT DIV., GEN PRECISION, INC., 1-2-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Liebel-Flarsheim Co., 1-2-5-6	113 E. Amity Rd, Cincinnati 15	Ohio
Lumenite Electric Co., 1-2-4-5-6	407 S. Dearborn St, Chicago 5	Ill
Lundy Mfg. Corp., 2-4-5-6	Robert Ln, Glen Head	NY
Mallory & Co., Inc., P.R., 1-2-4-5	34 S. Gray St, Indianapolis 6	Ind
Mast Development Co., Inc., 1-2-4-5-6	2212 E. 12th St, Davenport 20	Iowa
Midwest Electric Products, 1	1517 N. Front St, Mankato	Minn
Miller-Harris Instrument Co., 1-5	1134 S. 1st St, Milwaukee 4	Wisc
Modelectric Products Corp., 1	1500 Bangs Ave, Asbury Park	NJ
Montgomery Mfg. Co., 1-4-5	204 S. Main St, Owensville	Ind
Nuclear Chicago Corporation, 5-6	333 E. Howard St, Des Plaines	Ill
Parabam, Inc., 1-4	13000 Yukon Ave, Hawthorne	Cal
Par Products Corp., 5-6	602 Colorado Ave, Santa Monica	Cal
PENNWOOD NUMECHRON CO., 5-6, Adv Pg 306	**7247 Frankstown Ave, Pittsburgh 8**	**Pa**
Reliance Automatic Lighting Co	1919 Mead St, Racine	Wis
Research Industrial Labs of Electronics, 4	Roslyn	Pa
Reynolds Electric Co., 1-2	3000 River Rd, River Grove	Ill
ROTARY DEVICES CORP., 1-4, Adv Pg 559	**30 Jay St, Englewood**	**NJ**
Sage-Craft Inc., 1-5	Norwich	NY
Sangamo Electric Co., 1-5	1201 N. 11 St, Springfield	Ill
Seely Instrument Co., Inc., 1-2-4-5	375 Fourth St, Niagara Falls	NY
Sheffield Corp., Sub., Bendix Avia. Corp., 6	P.O. Box 893, Dayton 1	Ohio
Sloan Co., Autotimer/Colorlite Divs., 1-2-4-5	7704 San Fernando Rd, Sun Valley	Cal
Societe Industrielle de Sonceboz S.A., 1-2-4	Sonceboz, Switzerland	
Spectrol Electronics Corp., 1-4-5-6	1704 S. Del Mar, San Gabriel	Cal
Standard Electric Time Co., 5	89 Logan St, Springfield	Mass
STICHT CO., INC., HERMAN H., 6, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sun Electric Co., 6	6323 Avondale St, Chicago 31	Ill
Sunshine Scientific Instrument, 5	1810 Grant Ave, Philadelphia 15	Pa
Taylor-Emmett Controls, Inc., 1-2-4-5	P.O. Box 150, Akron 9	Ohio
TELECHROME MFG. CORP., 1-2-4-5, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Tork Time Controls, Inc., 5	32 Grove St, Mt. Vernon	NY
Twin Lock Inc., 2-4	1024 W. Hillcrest Blvd, Inglewood	Cal
U.S. Controls, Inc., 4	410 Fourth Ave, Brooklyn	NY
U.S. Science Corp., 4-5	5221 W. 102nd St, Los Angeles 45	Cal
VARO MFG. CO., INC., 1-2-4-5-6, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Wang Laboratories, Inc., 2-4	12 Huron Dr, Natick	Mass
Wells Industries Corp., 2	6880 Troost Ave, North Hollywood	Cal
Western Design Div., U.S. Industries, Inc., 2-4-5	Goleta	Cal
Wheaton Engineering Co., 1-2-4-5-6	P. O. Box 191, Wheaton	Ill
Zenith Electric Co., 1-2-4-5-6	152 W. Walton St, Chicago 10	Ill

TIMERS —*MULTI-CONTACT* See TIMERS —*MOTOR-OPERATED, CYCLING*
TIMERS —*PERCENTAGE* See TIMERS —*MOTOR-OPERATED RUNNING TIME*
TIMERS —*SEQUENCE* See TIMERS —*MOTOR-OPERATED*
TIMERS —*THERMAL* See SWITCHES —*AUTOMATICALLY OPERATED, THERMAL*

TIMERS —*WELDING, ELECTRONIC*

Automatic Timing & Controls, Inc	King of Prussia	Pa
Di An Controls, Inc	40 Leon St, Boston 15	Mass
Eisler Engineering Co., Inc	751 S. 13 St, Newark 3	NJ
Electronics Corp of America	1 Memorial Dr, Cambridge 42	Mass
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
EWALD INSTRUMENTS, Adv Pg 548	**Rt 7E, Kent**	**Conn**
Fairfield Engineering Corp	114 Manhattan St, Stamford	Conn
Federal Electronic Products, Inc	1380 Pompton Ave, Cedar Grove	NJ
General Control Co	1212 Soldiers Field Rd, Boston 34	Mass
GENERAL DEVICES, INC., Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Litton Engineering Labs	P.O. Box 949, Grass Valley	Cal
Livingston Electronic Corp	Livingston 3	NJ
Lumenite Electric Co	407 S. Dearborn St, Chicago 5	Ill
Oxford Engineering Co	47A River St, Wellesley Hills 81	Mass
Peer, Inc	Benton Harbor	Mich
Robotron Corp	21300 W. 8 Mile Rd, Detroit 41	Mich
Sciaky Bros., Inc	4915 W. 67th St, Chicago 38	Ill
Venner Electronics Ltd	Kingston By-Pass, New Malden, England	
Vickers, Inc., Electric Products Div	1899 Locust St, St. Louis 3	Mo
Weltronic Co	19500 W. Eight Mile Rd, Southfield	Mich
Wilson & Co., G.C.	1915 Eighth Ave, Huntington	W. Va

TIME STANDARDS See STANDARDS
TIMING CONTROLS See TIMERS
TIMING INDICATORS See INDICATORS —*TIMING*
TIMING MOTORS See MOTORS —*TIMER & CLOCK*
TIMING RECORDERS See RECORDERS —*TIMING*

TIN
1. FOIL 2. SHEETS AND BARS

Accurate Specialties Co., Inc., 1-2	37-11 57 St, Woodside 77	NY
Alloys Unlimited, Inc., 1-2	21-03 43rd Ave, Long Island City 1	NY
Alpha Metals, Inc., 1-2	60D Water St, Jersey City	NJ
American Smelting & Refining Co	120 Broadway, New York 5	NY
Belmont Smelting & Refining Works, 1-2	332 Belmont Ave, Brooklyn 7	NY
Bow Solder Products Co., Inc., 1-2	**251 Freeman St, Brooklyn 22**	**NY**
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Composite Industrial Metals, Inc., 1	235 Georgia Ave, Providence 5	RI
Consolidated Mng. & Smltg. Can. Ltd., 1-2	215 St. James St W., Montreal, Canada	
Division Lead Co., 1-2	7742 W. 61st Pl, Summit	Ill
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Malayan Tin Bureau	2000 K St, N.W. Washington 6	DC
Revere Copper & Brass, Inc., 1	230 Park Ave, New York 17	NY
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 2, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**

TINNING SERVICES *(HOT-DIP)*

Composite Industrial Metals, Inc	235 Georgia Ave, Providence 5	RI
General Components Co	225-229 E. 144th, New York 51	NY
Heldor Mfg. Corp	238 Lewis St, Paterson	NJ
Northern Metal Products Co	9597 W. Grand, Franklin Park	Ill
Quality Hermetics, Ltd	45 Hollinger Rd, E. York, Toronto, Ontario	
Steel Heddle Mfg. Co	2100 W. Allegheny Ave, Philadelphia 32	Pa
Wright Metalcoaters, Inc	255 West St, South Hackensack	NJ
Zierick Mfg. Corp	Beechwood & Rockdale, New Rochelle	NY

TIN PLATING See ELECTROPLATING SERVICES
TIN-REFLOWING MACHINES —*STRANDED WIRE* See MACHINES —*WIRE-PROCESSING*
TINSEL See WIRE —*TINSEL*

TITANATES
CRYSTAL See CRYSTALS
1. GRANULAR OR POWDERED 2. METALLIZED 3. MOLDED

Aceto Chemical Co., Inc., 1	40-40 Lawrence St, Flushing 54	NY
AMERICAN LAVA CORP., 2-3, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
ARNOLD ENGINEERING CO., 3, Adv Pg 228	**P.O. Box G, Morengo**	**Ill**
Barium & Chemicals, Inc., 1	Willoughby	Ohio
Bram Metallurgical Chemical Co., 1	820 65 Ave, Philadelphia 26	Pa
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Mitronics, Inc., 2	1290 Central Ave, Hillside	NJ
Mullenbach Div., Electric Machinery Mfg. Co., 3	2100 E. 27 St, Los Angeles 58	Cal
Semi-Alloys, Inc., 1	550 S. Fulton Ave, Mt. Vernon	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1	116 Broad St, New York 4	NY

TITANIUM
1. BARS & RODS 2. SHEETS-TUBING See TUBING —*METALLIC-WIRE* See WIRE —*BARE*

American Silver Co., Inc., 2	36-07 Prince St, Flushing 54	NY
Bram Metallurgical Chemical Co., 1-2	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 1	30 Grand St, Bridgeport	Conn
CRUCIBLE STEEL CO OF AMERICA, 1-2, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
du Pont de Nemours & Co., E.I., 1	Wilmington 98	Del
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
A.D. Mackay, Inc., 1-2	198 Broadway, New York 38	NY
Mallory & Co., Inc., P.R., 1-2	34 S. Gray St, Indianapolis 6	Ind
National Lead Co., 1-2	111 Broadway, New York 6	NY
Republic Steel Corp., 1-2	Republic Bldg, Cleveland 1	Ohio
Semi-Alloys, Inc., 1-2	550 S. Fulton Ave, Mt. Vernon	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1-2	116 Broad St, New York 4	NY

TITANIUM CARBIDE

Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
Kennametal Inc	Lloyd Ave, Latrobe	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Union Carbide Metals Co., Div., UCC	270 Park Ave, New York 17	NY
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

TITRATION APPARATUS —*ELECTRONIC*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Mullard Equipment, Ltd	Torrington Pl, London W.C. 1, England	
Pimex, Inc	18 E. 60th St, New York 22	NY
Radiometer	72 Emdrupvej, Copenhagen NV 1, Denmark	

TOGGLE BOLTS See BOLTS
TOGGLE SWITCHES See SWITCHES —*MANUAL*
TONE ARMS See PICKUP ARMS
TONE CONTROLS See POTENTIOMETERS
TONE OSCILLATORS —*AUDIO* See OSCILLATORS — A-F
TONE TELEGRAPH SYSTEMS See COMMUNICATION SYSTEMS
TOOLS —*CHASSIS-HOLDING* See FIXTURES

TOOLS —*CUTTERS (HOLE, GROOVE & SLIT, INCLUDING SAWS)*

Clauss Cutlery Co	Fremont	Ohio
CRUCIBLE STEEL CO OF AMERICA, Adv Pg 339	**P.O. Box 2518, Pittsburgh 30**	**Pa**
Firth Sterling, Inc	3115 Forbes Ave, Pittsburgh	Pa
Kennametal Inc	Lloyd Ave, Latrobe	Pa
MacDonald & Co	1324 Ethel St, Glendale 7	Cal
Modern Mfg. Co., Inc	680 Davisville Rd, Willow Grove 10	Pa
Shearcut Tool Co	7045 Darby Ave, Reseda	Cal
Snap-on Tools Corp	8129 28th Ave, Kenosha	Wisc
Starrett Co., L. S.	165 Crescent St, Athol	Mass
Waldes Kohinoor, Inc	47-16 Austel Pl, Long Island City 1	NY

TOOLS — *HAND OR MECHANICAL*
NOTE: *INCLUDES GRINDERS, MILLING CUTTERS, PLIERS, PUNCHES REAMERS, SCREWDRIVERS, TAPS, WRENCHES: WRENCHES, TORQUE, ETC. FOR FURTHER PARTICULARS CONSULT ADVERTISEMENT OF MANUFACTURER IN THIS ISSUE.*

Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
Armstrong Bros Tool Co	5200 W. Armstrong Ave, Chicago	Ill
By-Buk Co	4314 W. Pico Blvd, Los Angeles 19	Cal
Continental Screw Co	459 Mt Pleasant St, New Bedford	Mass
Dremel Mfg. Co	2300 18th St, Racine	Wisc
Duro Specialty Co., Inc	811 Boston St, Lynn	Mass
Erikson Specialized Tool Co	P. O. Box 424, Pico	Cal
Everard Tap & Die Corp	213 E. 144th St, New York 51	NY
Forsberg Mfg. Co	127 Seaview Ave, Bridgeport	Conn
Greenlee Tool Co	2136 12th St, Rockford	Ill

Heli-Coil Corp	Shelter Rock Ln, Danbury	Conn
Hunter Sales Co., Inc., R. N.	9851 Alburtis Ave, Sante Fe Springs	Cal
Kedman Co	233 S. Fifth West St, Salt Lake City 1	Utah
Klein & Sons, Mathias	7200 McCormick Rd, Chicago 45	Ill
Kraeuter & Co., Inc	583 18 Ave, Newark 3	NJ
Modern Mfg. Co., Inc	680 Davisville Rd, Willow Grove 10	Pa
Moody Machine Products Co., Inc	42-46 Dudley St, Providence 5	RI
Neuses, Inc., P.K.	511 N. Dwyer St, Arlington Heights	Ill
Orbit Industries	P.O. Box 666, Reseda	Cal
Rosenberg Bros	102 Landing Ave, Smithtown	NY
Shearcut Tool Co	7045 Darby Ave, Reseda	Cal
Sherman Mfg. Co., H.B.	22 Barney St, Battle Creek	Mich
Snap-on Tools Corp	8129 28th Ave, Kenosha	Wisc
Starrett Co., L. S.	165 Crescent St, Athol	Mass
Sturtevant Co., P.A.	Addison	Ill
Technical Devices Co	11242 Playa Ct, Culver City	Cal
Utica Drop Forge & Tool Div., Kelsey-Hayes Co	2415 Whitesboro St, Utica 4	NY
Vaco Products Co	317 E. Ontario, Chicago	Ill
Vichek Tool Co	3001 E. 87 St, Cleveland 4	Ohio
Waldes Kohinoor, Inc	47-16 Austel Pl, Long Island City 1	NY
Wen Products, Inc	5808 Northwest Hwy, Chicago 31	Ill
Xcelite, Inc	28 Bank St, Orchard Park	NY

TOOLS *—PNEUMATIC ASSEMBLY*

Cleco Air Tools, Div., Reed Roller Bit Co	P.O. Box 2119, Houston 1	Tex
United Shoe Machinery Corp	140 Federal St, Boston 7	Mass

TOOLS *—SOLDERING*

1. ELECTRIC SOLDERING IRONS 2. PRINTED-CIRCUIT. SPECIAL TIPS 3. RESISTANCE SOLDERING TOOLS 4. SOLDERING POTS 5. SOLDERING TORCHES 6. ULTRASONIC SOLDERING IRONS See Also MACHINES *—SOLDERING*

Alcar Instruments, Inc., 6	411 Robbins Ave, Trenton 8	NJ
American Electrical Heater Co., 1-2	6110 Cass Ave, Detroit 2	Mich
Argonne Electronics Mfg. Corp., 2	165-11 South Rd, Jamaica 33	NY
Bow Solder Products Co., Inc., 1-5	251 Freeman St, Brooklyn 22	NY
Caig Labs., 1	46 Stanwood Rd, New Hyde Park	NY
Cole Radio Works., 3	86 Westville Ave, Caldwell	NJ
Dee Electric Co., 4	1101 N. Paulina St, Chicago 22	Ill
Delta Chemical Works, 4	21 W. 60th St, New York	NY
Diamond Tool & Horseshoe Co., 2	4702 W. Grand Ave, Duluth	Minn
Eagle Electric Mfg. Co., Inc., 1	23-10 Bridge Plaza S., L.I. City	NY
Electric Soldering Iron Co., 1-2-4	W. Elm St, Deep River	Conn
Electrovert, Inc., 4	124 E. 40 St, New York 17	NY
Erikson Specialized Tool Co., 2-3	P. O. Box 424, Pico	Cal
Farrelloy Co., 1-2-3-4-5-6	1345 N. 26 St, Philadelphia	Pa
Fedtro, Inc., 1-2	Fed Electr Bldg, Rockville Centre	NY
G-C ELECTRONICS CO., 2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
GATES RADIO CO., 1, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-4, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Gulton Industries, Inc., 6	212 Durham Ave, Metuchen	NJ
Hexacon Electric Co., 1-2	130 W. Clay Ave, Roselle Park	NJ
I. H. Manufacturing Co., 1	121 Greene St, New York 12	NY
Ideal Industries, Inc., 3	5103 Park Ave, Sycamore	Ill
International Electronics Corp., (Mullard Equipment), 4-6	81 Spring St, New York 12	NY
Johnson Mfg. Co., Inc., 5	Mt. Vernon	Iowa
Kwikheat Mfg. Co., 1	3732 San Fernando Rd, Glendale 4	Cal
Lenk Mfg. Co., 1-2-5	Franklin	Ky
Linde Co., Div., UCC, 5	270 Park Ave, New York 17	NY
Luma Electric Equipment Co., 3	P.O. Box 132, Toledo 1	Ohio
Michael, Inc., Claude, 1-3-4	703 W. Ivy St, Glendale 4	Cal
National Specialties Co., 1	1902 Howell St, Fort Wayne	Ind
NEWMAN CORP., M.M., 1-2, Adv. Pgs. 228, 446	**79 Clifton Ave, Marblehead**	**Mass**
Oryx Co., 1-2	13804 Ventura Blvd, Sherman Oaks	Cal
Sidco, 1-2	1729 W. Washington, Venice	Cal
Sorensen Industrial Electronic Co., 1	Rt 10, Dover	NJ
Standard Telephones & Cables, Ltd., 1-3	63 Aldwych, London W. C. 2	Eng
Sta-Warm Electric Co., 4	23 N. Chestnut St, Ravenna	Ohio
Technicraft Co., 1	1156 Commonwealth Ave, Boston 34	Mass
Temperature Engineering Corp., 4	1500 Union Landing Rd, Riverton	NJ
Turner Corp., 4-5	821 Park Ave, Sycamore	Ill
Ungar Electric Tools, Elec Div of Eldon Ind, Inc., 1-2	4101 Redwood Ave, Los Angeles 66	Cal
Virginia Electronics Co., Inc., 2-3	5209 River Rd, Washington 16	DC
Vulcan Electric Co., 1-2-3-4	88 Holten St, Danvers	Mass
Waage Electric, Inc., 4	720 Colfax Ave, Kenilworth	NJ
Wall Manufacturing Co., P., 1-2	Erie St, Grove City	Pa
Wassco Electric Products Corp., 3	2032 2nd Ave, St. Petersburg 12	Fla
WELLER ELECTRIC CORP., 1, Adv Pg 527	**P. O. Box 345, Easton**	**Pa**
Wen Products, Inc., 1	5808 Northwest Hwy, Chicago 31	Ill

TOOLS *—WIRE-STRIPPING See* STRIPPERS

TOOLS *—WIRE WRAPPING*

Gardner-Denver Co	S. Front St, Quincy	Ill
Rush Wire Stripper Div., Eraser Co	1068 S. Clinton St, Syracuse 4	NY
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Utica Drop Forge & Tool Div., Kelsey-Hayes Co	2415 Whitesboro St, Utica 4	NY

TOROIDAL CORES *—LAMINATED See* CORES *—LAMINATED*
TOROIDAL CORES *—MOLDED See* CORES *— MOLDED MAGNETIC*

TOROIDS

Aerovox Corp	740 Belleville Ave, New Bedford	Mass
Airesearch Mfg. Co of Ariz	402 S. 36 St, Phoenix	Ariz
American Research & Mfg. Corp	920 Halpine Ave, Rockville	Md
ARNOLD ENGINEERING CO., Adv Pg 228	**P.O. Box G, Marengo**	**Ill**
Astrosystems Inc	220 E. 23rd St, New York 10	NY
Basler Electric Co	P. O. Box 269, Highland	Ill
Bitterman Electric Co., Inc	P.O. Box 1877, Canaan	Conn
BURNELL & CO., INC., Adv Pg 179	**10 Pelham Pkwy, Pelham**	**NY**
Calmag, Div., California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
Campbell Co., Inc., Colin	Miry Brook Rd, Danbury	Conn
Carad Corp	2850 Bay Rd, Redwood City	Cal
D & R Ltd	402 E. Gutierrez, Santa Barbara	Cal
Delta Coils, Inc	1128 Madison Ave, Paterson 3	NJ
DIETZ DESIGN, INC., Adv Pg 499	**Grandview 6**	**Mo**
ERIE RESISTOR CORP., Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Forbes & Wagner, Inc	345 Central Ave, Silver Creek	NY
Gulton Industries, Inc	212 Durham Ave, Metuchen	NJ
Hall Mfg. Co	3901 Wesley Terr, Schiller Park	Ill
Hisonic, Inc	P.O. Box 534, Shawnee	Kan
Inductor Engineering Inc	117 Schley Ave, Lewes	Del
Johnson Electronics, Inc	P.O. Box 1675, Casselberry	Fla
Kurz & Root Co	Appleton	Wisc
Magnetic Specialties, Inc	P.O. Box 476, Trenton 3	NJ
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Micropulse Engineering	1122 W. Magnolia, Burbank	Cal
Microsecond Electronics, Inc	3213 E. Washington, Phoenix	Ariz
Osborne Transformer Corp	3834 Mitchell Ave, Detroit 7	Mich
PCA ELECTRONICS, INC., Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Precision Inc	4748 France Ave N., Minneapolis	Minn
REDMAN ELECTRONICS CORP., Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
SATURN ELECTRONICS CORP., Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Shawmut Engineering Co	195 Freeport St, Boston	Mass
Sioux Radio Products	100 Douglas Ave, Yankton	SD
Sprague Electric Co	125 Marshall St, North Adams	Mass
Topp Industries, Inc	5221 W. 102 St, Los Angeles 45	Cal
Torocoil Co	1211 N. Chestnut Ave, Arlington Heights	Ill
Toroidal Components Co	1374 E. Walnut St, Pasadena	Cal
TORWICO ELECTRONICS, INC., Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
UNITED TRANSFORMER CORP., Adv Pg 2nd Cover, 1, 2	**150 Varick St, New York 13**	**NY**
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Welch Mfg. Co., Inc., A.W.	509 E. 29th St, Indianapolis	Ind

TOROID-WINDING MACHINES *See* MACHINES *—TOROID-WINDING*
TORQUE CONTROLS *See* CONTROLS *—TORQUE*
TORQUE INDICATORS *See* INDICATORS *—TORQUE*
TORQUE RECORDERS *See* RECORDERS *—TORQUE*

TOTALIZERS *—DIGITAL*

Control Equipment Corp	19 Kearney Rd, Needham Heights 94	Mass
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
NAVIGATION COMPUTER CORP., Adv Pg 510	**1621 Snyder Ave, Philadelphia 45**	**Pa**
Packard Bell Computer Corp	1905 Armacost Ave, Los Angeles 25	Cal
Potter Aeronautical Corp	Rt 22, Union	NJ
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Vitro Corp of America	261 Madison Ave, New York 16	NY

TOURMALINE CRYSTAL *See* CRYSTAL BLANKS: CRYSTALS *— PIEZOELECTRIC:* CRYSTAL UNITS *—TOURMALINE*
TOWER-BASE INSULATORS *See* INSULATORS *—ANTENNA*
TOWER-LIGHTING FILTERS *See* FILTERS
TOWER MOUNTS *See* MOUNTS *—ANTENNA*

TOWERS *—ANTENNA*

APC, Communication Products Div	P.O. Box 110, Mineral Wells	Tex
Aermotor Co	2502 Roosevelt Rd, Chicago	Ill
Aluminum Co of America	Alcoa Bldg, Pittsburgh 19	Pa
ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Antlab, Inc	6330 Proprietors Rd, Worthington	Ohio
Birdair Structures, Inc	Buffalo Industrial Pk, 1800 Broadway, Buffalo 12	NY
Blaine Electronetics, Inc	14757 Keswick St, Van Nuys	Cal
Blaw-Knox Co	300 Sixth Ave, Pittsburgh 22	Pa
Channel Master Co	Ellenville	NY
COSTELOW CO., INC., Adv Pg 495	**121 Kansas Ave, Topeka**	**Kan**
DRESSER-IDECO CO., Adv Pg 43	**875 Michigan Ave, Columbus 8**	**Ohio**
E-Z Way Towers, Inc	5901 E. Broadway, Tampa	Fla
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jontz Mfg. Co., Inc	1101 E. McKinley Ave, Mishawaka	Ind
KTV Tower & Commercial Equipment Co	P.O. Box 294, Sullivan	Ill
Kline Iron & Steel Co	1225 Huger St, Columbia	SC
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
ROHN MFG. CO., Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rostan Corp	5660-59th St, Maspeth 78	NY
Spaulding Products Co	550 W. Barner St, Frankfort	Ind
Stainless, Inc	3rd St, North Wales	Pa
Tabet Mfg. Co., Inc	1336 Ballantine Blvd, Norfolk	Va
Tower Construction Co	2700 Hawkeye Dr, Sioux City	Iowa
Tucson Instrument Corp	P. O. Box 11247, Tucson 2	Ariz
TV Tower Mfg. Co	1-3 W. Diamond Ave, Hazleton	Pa
Vesto Co., Inc	20 & Clay, North Kansas City	Mo
Washington Aluminum Co., Inc	Pa R R & Knecht Ave, Baltimore 29	Md
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

TOWER SERVICES *—INSTALLERS, ERECTORS & MAINTAINERS*

ANTENNA SYSTEMS, INC., Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Blaw-Knox Co	300 Sixth Ave, Pittsburgh 22	Pa
COSTELOW CO., INC., Adv Pg 495	**121 Kansas Ave, Topeka**	**Kan**
DRESSER-IDECO CO., Adv Pg 43	**875 Michigan Ave, Columbus 8**	**Ohio**
E-Z Way Towers, Inc	5901 E. Broadway, Tampa	Fla
Electrical Tower Service, Inc	325 S. Washington St, Peoria	Ill
Kline Iron & Steel Co	1225 Huger St, Columbia	SC
ROHN MFG CO., Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rostan Corp	5660-59th St, Maspeth 78	NY
Spaulding Products Co	550 W. Barner St, Frankfort	Ind
Stainless, Inc	3rd St, North Wales	Pa
Tower Construction Co	2700 Hawkeye Dr, Sioux City	Iowa
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

TRACER CONTROLS *See* CONTROLS *—CONTOURING*

TRACERS *—ELECTRON-TUBE CURVE*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Rank Cintel Ltd	Worsley Bridge Rd, London S.E. 26, England	
Tektronix Inc	P.O. Box 831, Portland 7	Ore

TRACERS —*SIGNAL* See **TESTERS** —*SIGNAL-TRACING*

TRACERS —*TRANSISTOR CURVE*

AMERICAN ELECTRONIC LABS., INC., Adv Pg 310	**121 N. 7th St, Philadelphia 6**	**Pa**
American-Monarch Corp	2801 37 Ave N.E., Minneapolis 18	Minn
Cubic Corp	5575 Kearny Villa Rd, San Diego 11	Cal
CURTISS-WRIGHT, ELECTRONICS DIV., Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Data Products Co., Inc	7320 Westmore Rd, Rockville	Md
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Sonex, Inc	185 W. Schoolhouse Ln, Philadelphia 44	Pa
Tektronix Inc	P.O. Box 831, Portland 7	Ore

TRAFFIC CONTROLS See **CONTROLS** —*TRAFFIC*

TRAILERS & VANS —*ELECTRONIC EQUIPMENT*

Brooks & Perkins, Inc	1950 W. Fort St, Detroit 16	Mich
Cadre Industries Corp	P. O. Box 150, Endicott	NY
Consolidated Diesel Electric Corp	880 Canal St, Stamford	Conn
Cooper Development Corp	2626 S. Peck Rd, Monrovia	Cal
Gramm Trailer Corp	425 E. O'Conner Ave, Lima	Ohio
Lyncoach & Truck Co., Inc	Oneonta	NY
Melabs	3300 Hillview Ave, Palo Alto	Cal
REF Mfg. Co	Jericho Trnpk, Mineola	NY
York-Hoover Corp	York	Pa

TRAINERS See **SIMULATORS**

TRANSCEIVERS

1. AIRBORNE 2. CITIZENS' RADIO 3. LIFEBOAT 4. PORTABLE 5. UHF 6. VHF

ACTON LABS, INC., 2, Adv Pg 222	**533 Main St, Acton**	**Mass**
Admiral Corp., 1	3800 W. Cortland St, Chicago 47	Ill
Aircraft Radio Corp., 1-4-5	Boonton	NJ
Allied Radio Corp., 2	100 N. Western Ave, Chicago 80	Ill
American Development Electronics Co., 2-4	212 Central Ave, Newark	NJ
Applied Electronics Co., 2	213 E. Grand Ave, South San Francisco	Cal
Aviation Electric, Ltd., 1	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Avionics Corp., 2-6	Maple Ave & Horsham Rd, Horsham	Pa
Barker & Williamson, 2	Canal & Beaver Sts, Bristol	Pa
Bellaire Electronics, Inc., 2	62 White St, Red Bank	NJ
Bendix Aviation Corp., Bendix Radio Div., 4-6	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 2	11600 Sherman Way, North Hollywood	Cal
Budd Lewyt Electronics, Inc., 1-4-5-6	43-22 Queens St, Long Island City 1	NY
Cadre Industries Corp., 2-4	P. O. Box 150, Endicott	NY
Canadian Aviation Electronics Ltd., 5	6214 Cote de Liesse Rd, Montreal 9, Canada	
Canadian Marconi Co., 1-6	2444 Trenton Ave, Montreal, Canada	
Chance Vought Aircraft, Inc., 2	P. O. Box 5907, Dallas 22	Tex
CLEGG LABS., DIV., CLEGG, INC., 6, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Dare, Inc., 1	P.O. Box 312, Troy	Ohio
Designers for Industry, 1-2-3-4-5-6	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp., 2-4	River St, Winchester	Mass
Dixon Electronics Co., 2	13444 W. McNichols Rd, Detroit	Mich
Electro Voice, Inc., 2	Buchanan	Mich
Electron, 2	P.O. Box 8, Syracuse 11	NY
ELECTRONIC INSTRUMENT CO., INC., 2, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Research & Dev.Co., Ltd., 4-5-6	210 9th Ave, S.E., Calgary, Alberta, Canada	
Electronics Design Co., 2-4-5-6	P.O. Box 401, Enid	Okla
Forway Industries, Inc., 2	122 Green Ave, Woodbury	NJ
Globe Electronics, Div Textron Electronics Inc., 2	22-30 S. 34th St, Council Bluffs	Iowa
Gonset Div., Young Spring & Wire Corp., 1-2-4	801 S. Main St, Burbank	Cal
HALLICRAFTERS CO., 1-4-6, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Heath Co., A Sub of Daystrom, Inc., 2-6	Benton Harbor	Mich
Humble Mfg. Co., Ltd., 4	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
I.D.E.A., Inc., 2	7900 Pendleton Pike, Indianapolis 26	Ind
ITT Federal Div., ITT, 1-3-5-6	100 Kingsland Rd, Clifton	NJ
International Crystal Mfg. Co., Inc., 2-4	18 N. Lee, Oklahoma City	Okla
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
Jefferson, Inc., Ray, 2	40 E. Merrick Rd, Freeport	NY
Johnson Co., E.F., 2	Waseca	Minn
Kaar Engineering Corp., 2-4-5-6	2995 Middlefield Rd, Palo Alto	Cal
Kay-Towns Antenna Co., 2-4	1513 Dean Ave, Rome	Ga
Knight Corp., Ewen, 5	Oak & Pine Sts, East Natick	Mass
Knight Electronics, 2	210 S. Des Plaines St, Chicago 6	Ill
Land-Air, Inc., 1-4-5	7444 W. Wilson Ave, Chicago 31	Ill
LEL Inc., 1-2-3-4-5-6	380 Oak St, Copiague	NY
Mallory & Co., Inc., P.R., 2-4	34 S. Gray St, Indianapolis 6	Ind
Marconi's Wireless Telegraph Co., Ltd., 1-3-4-6	750 Third Ave, New York 17	NY
Melabs, 1-6	3300 Hillview Ave, Palo Alto	Cal
Miratel Inc., 2	1080 Dionne St, St. Paul	Minn
Morrow Radio Mfg. Co., 2-4	2794 Market St, Salem	Ore
Mullard Equipment, Ltd., 1-5-6	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 2-6	21470 Coolidge Hwy, Oak Park	Mich
National Aeronautical Corp., 1-6	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
National Electronics Labs., Inc., 5-6	1713 Kalorama Rd N.W., Washington 9	DC
Osborne Electronic Sales Corp., 2-4	712 S.E. Hawthorne Blvd, Portland 14	Ore
Packard-Bell Electronics Corp., Technical Products Div., 1-5	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-5-6, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
Pearce Simpson, Inc., 2-4	2295 N.W. 14th St, Miami 35	Fla
Peer, Inc., 1-6	Benton Harbor	Mich
Philco Corp., Gov't & Ind'l Div., 1-5-6	4700 Wissahickon Ave, Philadelphia 44	Pa
Philmore Mfg. Co., Inc., 2	130-01 Jamaica Ave, Richmond Hill 18	NY
Production Research Corp., Sub of Radio Condenser Co., 1-2-3-4	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 6	Newmarket Rd, Cambridge, England	
RS ELECTRONICS CORP., 5, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radio Corp of America Indl Electronic Prods, 2-4	Front & Cooper, Camden	NJ
Redifon, Ltd., 4-6	Broomhill Rd, Wandsworth, London SW 18	Eng
Rowe Industries, 2	1702 Wayne St, Toledo 9	Ohio
Seiscor Div., Seismograph Service Corp., 2-4-6	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
Simmonds Aerocessories, Inc., 4-5-6	105 White Plains Rd, Tarrytown	NY
SOLID STATE ELECTRONICS CO., 2, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sonar Radio Corp., 2	3050 W. 21 St, Brooklyn 24	NY
Space Electronics Corp., 1-5	930 Air Way, Glendale 1	Cal
Spectra Electronics Co., 4	250 E. 3rd St, Mt. Vernon	NY
Spivey Inc., James S., 5-6	4908 Hampden Ln, Washington 14	DC
Standard Electronics Div., Reeves Instrument Corp., 2	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-6	63 Aldwych, London W. C. 2	Eng
State Testing Laboratory, Inc., 6	215 Knowlton St, Bridgeport 8	Conn
Stromberg-Carlson Div., Gen Dynamics Corp., 1-4	100 Carlson Rd, Rochester 3	NY
Tamar Electronics, Inc., 1-2-6	2045 W. Rosecrans Ave, Gardena	Cal
Telephonics Corp., 1-3-4-5-6	Park Ave, Huntington	NY
Topp Industries, Inc., 1-6	5221 W. 102 St, Los Angeles 45	Cal
Trans-Tel Corp., 2	910 N. Orange Dr, Los Angeles 38	Cal
Translite Electronics Corp., 2	5720 W. Armitage Ave, Chicago 39	Ill
21st Century Electronics, Inc., 2	P.O. Box 2326, Riverside	Cal
Virginia Electronics Co., Inc., 4	5209 River Rd, Washington 16	DC
Vocaline Co of America, Inc., 2	Old Saybrook	Conn
Webster Mfg., 2	317 Roebling Rd, S. San Francisco	Cal
Westrex Corp., Div., Litton Industries, 1-4	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 5-6, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Winston Electronics Div., Jetronic Ind., Inc., 2	4000 N.W. 28th St, Miami 42	Fla
Zenith Radio Corp., 2	6001 Dickens Ave, Chicago 39	Ill

TRANSCRIBING MACHINES See **DICTATING MACHINES**
TRANSCRIPTION PICKUPS See **PICKUPS** —*PHONOGRAPH*
TRANSDUCER CALIBRATORS See **CALIBRATORS** —*TRANSDUCER*
TRANSDUCER FLUIDS See **FLUIDS**

TRANSDUCERS

1. ACCELERATION 2. ANGULAR POSITION 3. DISPLACEMENT 4. ELECTROSTRICTIVE 5. FLOW 6. LEVEL-LIQUIDS OR SOLIDS 7. PHASE SHIFT 8. PRESSURE (INCLUDING LOAD CELLS) 9. TEMPERATURE 10. VELOCITY See *Also* **ACCELEROMETERS: CRYSTAL UNITS: GAGES: SCINTILLATORS: SONAR: ULTRASONIC EQUIPMENT**

Acoustica Associates, Inc., 4-6	10400 Aviation Blvd, Los Angeles 45	Cal
Advance Instrument Corp., 9	1109 Sixth Ave, Neptune	NJ
Advanced Electronics, Inc., 9	94 Silas Deane Hwy, Rocky Hill	Conn
Advanced Technology Labs., 9	369 Whisman Rd, Mountain View	Cal
Aero Mechanism Inc., 8-10	13918 Saticoy St, Van Nuys	Cal
Aero Research Instrument Co., 2-9	315 N. Aberdeen St, Chicago 7	Ill
ALLEGANY INSTRUMENT CO., INC., 8, Adv Pg 73	**1091 Wills Mountain, Cumberland**	**Md**
Antennavision, Inc., 7	2949 W. Osborn Rd, Phoenix	Ariz
Applied Electronics Co., 6	213 E. Grand Ave, South San Francisco	Cal
Arnoux Corp., 9	11924 W. Washington Blvd, L.A. 66	Cal
Astra Technical Instrument Corp., 6-9	3014 S. Halladay St, Santa Ana	Cal
Atlantic Research Corp., 4-8	Shirley Hwy at Edsall Rd, Alexandria	Va
Automatic Timing & Controls, Inc., 3-5-6-8	King of Prussia	Pa
Automation Industries, Inc., 8	3613 Aviation Blvd, Manhattan Beach	Cal
Automation Industries, Inc., Datran Div., 4	1836 Rosecrans Ave, Manhattan Beach	Cal
Automation Products, Inc., 6	3030 Max Roy St, Houston 24	Tex
B & F Instruments, Inc., 1	3644 N. Lawrence St, Philadelphia 40	Pa
BJ Electronics, Borg-Warner Corp., 1-2-3-5-6-8-9-10	3300 Newport Blvd, Santa Ana	Cal
B & K Instruments, Inc., 1	3018 W. 106th St, Cleveland 11	Ohio
Baldwin-Lima Hamilton Corp., 2-8	42 Fourth Ave, Waltham 54	Mass
BECKMAN/BERKELEY DIV., 3-10, Adv. Pgs. 308, 309	**2220 Wright Ave, Richmond**	**Cal**
Bendix Aviation Corp., Montrose Div., 8	South Montrose	Pa
Bergen Labs., Inc., 9	60 Spruce St, Paterson 1	NJ
Biophysical Electronics, Inc., 3	New Hope	Pa
Bourns, Inc., 1-2-8-10	6135 Magnolia Ave, Riverside	Cal
Bruel & Kjaer, 1	Lindealle 23, Naerum, Denmark	
BRUSH INSTRUMENTS, DIV OF CLEVITE CORP., 2-3, Adv. Pgs. 166, 167	**37th and Perkins, Cleveland 14**	**Ohio**
Bulton Instruments, Div Burton Mfg., 1-8	2520 Colorado Ave, Santa Monica	Cal
C W S Waveguide Corp., 7	301 W. Hoffman Ave, Lindenhurst	NY
Cardinal Instrumentation Corp., 9	4201 Redwood Ave, Los Angeles 66	Cal
CHESAPEAKE INSTRUMENT CORP., 1-4-8, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CLARK ELECTRONIC LABS., 1-2-4-5-8, Adv Pg 542	**P.O. Box 165, Palm Springs**	**Cal**
Cleveland Instrument Co., 3	6220 E. Schaaf Rd, Cleveland 31	Ohio
CLEVITE ELECTRONIC COMPONENTS DIV., CLEVITE CORP., 1, Adv Pg 168	**3405 Perkins Ave, Cleveland 14**	**Ohio**
G. L. Collins Corp., 2-3-10	2820 E. Hullet St, Long Beach 5	Cal
Colorado Research Corp., 2	Broomfield	Colo
Colvin Labs., Inc., 3-8	364 Glenwood, East Orange	NJ
COMPUTER INSTRUMENTS CORP., 8, Adv. Pgs. 146, 147	**92 Madison Ave, Hempstead**	**NY**
Consolidated Controls Corp., 5-8	6 Durant Ave, Bethel	Conn
Consolidated Electrodynamics Corp., 1-3-8-10	360 N. Sierra Madre Villa, Pasadena	Cal
Control Data Corp., Cedar Engr. Div., 1-2	501 Park Ave, Minneapolis 15	Minn
Control Devices, Inc., 1-4-8	925 S. Eton Rd, Birmingham	Mich
CONTROL ELECTRONICS CO., INC., 7, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Convair Div of General Dynamics Corp., 6-9	3595 Frontier St, San Diego 10	Cal
CRESCENT ENGINEERING & RESEARCH CO., 2-3-5-8-9-10, Adv Pg 566	**5440 N. Peck Rd, El Monte**	**Cal**
CURTISS-WRIGHT CORP., PRINCETON DIV., 4, Adv Pg 75	**Princeton**	**NJ**
DX Radio Products Co., Inc., 8	2300 Armitage Ave, Chicago 47	Ill
Datex Corp., 2-5-8-9	1307 S. Myrtle Ave, Monrovia	Cal
Daytronic Corp., 3-8	223-227 S. Jefferson St, Dayton	Ohio
Decker Corp., 2-3-8	43 Monument Rd, Bala Cynwyd	Pa
DeHavilland Aircraft/Spec. Prods. Div., 2-8	Downsview, Ontario, Canada	
Detroit Controls, Div., American Standard, 5-8-9	5900 Trumbull, Detroit 8	Mich
Donner Scientific Co., 1-10	888 Galindo St, Concord	Cal
ECLIPSE PIONEER DIV., BENDIX AVIATION CORP., 7, Adv. Pgs. 193-196	**Teterboro**	**NJ**
Edcliff Instruments, 1-2-3-8	1711 S. Mountain Ave, Monrovia	Cal
ELECTRIC REGULATOR CORP., 1-2-3-6-7-9-Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro-Mechanical Research, Inc., 8	P.O. Box 3041, Sarasota	Fla
Electro Products Labs, Inc., Transducer Div., 10	4501 N. Ravenswood, Chicago 40	Ill
Electronic Processes Corp of California, 9	436 Bryant St, San Francisco 7	Cal
Electrowest, Inc., 9	2351 Albatross Way, Sacramento 15	Cal
ENDEVCO CORP., 8, Adv Pg 160	**161 E. California Blvd, Pasadena**	**Cal**

Engelhard Industries, Inc., 9	113 Astor St, Newark 2	NJ
ERIE RESISTOR CORP., 9, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Evershed & Vignoles Ltd., 2-3-5-6-8-9-10	Chiswick, London W. 4, England	
FAIRCHILD CONTROLS CORP., COMPONENTS DIV., 1-2-3-8-10, Adv Pg 382	**225 Park Ave, Hicksville**	**NY**
Farrand Optical Co., Inc., 2	Bronx Blvd at 238th St, New York 70	NY
FENWAL ELECTRONICS, INC., 5-6-9-10, Adv Pg 326	**51 Mellen St, Framingham**	**Mass**
Fenwal, Inc., 9	Pleasant St, Ashland	Mass
Foxboro Co., The, 2-3-5-6-8-9	Foxboro	Mass
GPE Controls, Inc., 5-6-8-10	240 E. Ontario St, Chicago 11	Ill
Gar Precision Parts, Inc., 4	190 Henry St, Stamford	Conn
Garrett Corp., The, 1-2-5-6-8-9-10	9851 Sepulveda Blvd, Los Angeles 45	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-6-7, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Measurements Co., Inc., 1-3-8	1108 Beacon St, Newton Highlands 61	Mass
GENERAL RADIO CO., 1-3-10, Adv Pg 285	**West Concord**	**Mass**
Genisco, Inc., 1-8	2233 Federal Ave, Los Angeles 64	Cal
Geotechnical Corp., 1-3-10	3401 Shiloh Rd, Garland	Tex
Geotronic Labs., Inc., 3	1314 Cedar Hill Ave, Dallas 8	Tex
Giannini Controls Corp., 1-2-8-9	1600 S. Mountain Ave, Duarte	Cal
Gibbs Mfg. & Research Corp., 2	454 N. Main St, Janesville	Wisc
Goodmans Industries Ltd., Axiom Works, 1-10	Wembley, Middlesex, England	
Greenleaf Mfg., Div., Mandrel Indus., Inc., 1-3-8-10	7814 Maplewood Ind Ct, St. Louis 17	Mo
Gulton Industries, Inc., 1-8-9	212 Durham Ave, Metuchen	NJ
Hagan Chemicals & Controls, Inc., 8	Hagan Center, Pittsburgh 30	Pa
Hamlin, Inc., 2	Lake & Grove Sts, Lake Mills	Wisc
Harris Transducer Corp., 1-3-4-10	Woodbury	Conn
Hesco Engineering Co., 9	322 E. Beach Ave, Inglewood 3	Cal
Hidyne Instrument & Engineering Co., 8-9	309 S. Anderson St, Tullahoma	Tenn
Hoffman Co., H.L., 1	35 Old County Rd, Westbury	NY
I-L-S Instrument Div., Meriam Instrument Co. 10	4525 W. 160th St, Cleveland 35	Ohio
Illinois Testing Labs., Inc., 9-10	420 N. LaSalle St, Chicago 10	Ill
Instrol, Inc., 1-2-3-6-8	135 E. Dela Guerra, Santa Barbara	Cal
INSTRUMENT DEVELOPMENT LABS., INC., 1-10, Adv Pg 452	**67 Mechanic St, Attleboro**	**Mass**
International Research & Development Corp., 10	6150 Huntley Rd, Worthington	Ohio
International Resistance Co., 3-8	401 N. Broad St, Philadelphia	Pa
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-4-7-9-10, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kistler Instrument Corp., 1-8	15 Webster St, North Tonawanda	NY
Kollsman Instrument Corp., Sub Standard Coil Products Co., Inc., 8	80-08 45th Ave, Elmhurst 73	NY
Leeds & Northrup Co., 9	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., 9, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
LIND INSTRUMENTS, INC., 1, Adv Pg 500	**357 Nassau St, Princeton**	**NJ**
Link Div., Gen Precision, Inc., 9	Nowlan Rd, Hillcrest, Binghamton	NY
Lockheed Electronics Co., Avionics & Ind Products Div., 8	Randolph St, Los Angeles	Cal
Lumen, Inc., 1-2-7	P.O. Box 905, Joliet	Ill
MASSA DIV., COHU ELECTRONICS, INC., 1, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Meterlog Corp., 1-8	169 N. Halstead St, Pasadena	Cal
Micro Gee Products, Inc., 1-2-3	6319 W. Slauson, Box 1005, Culver City	Cal
Micrometrical Mfg. Co., 3-10	P.O. Box 1067, Ann Arbor	Mich
Minatron Corp., 3-10	14 Cliveden Pl, Belle Mead	NJ
Minco Products, Inc., 9	740 Washington Ave, N., Minneapolis 1	Minn
MINN-HONEYWELL, BOSTON DIV., 1-2-3, Adv. Pgs. 248, 249	**40 Life St, Boston 35**	**Mass**
Minn-Honeywell, Industrial Div., 5-6-8-9	Wayne & Windrim, Philadelphia 44	Pa
Mullenbach Div., Electric Machinery Mfg. Co., 4	2100 E. 27 St, Los Angeles 58	Cal
N.R.K. Mfg. & Engineering Co., 7	4601 W. Addison St, Chicago 41	Ill
Nacimco Products, Inc., 9	1090 Morena Blvd, San Diego	Cal
NARDA ULTRASONICS CORP., 6, Adv Pg 466	**625 Main, Westbury**	**NY**
Norden Div., United Aircraft Corp., 1-2	58 Commerce Rd, Stamford	Conn
Optron Corp., 1-3-10	335 S. Salinas St, Santa Barbara	Cal
Pace Engineering Co., 1-5-8	13035 Saticoy St, North Hollywood	Cal
Pacific Mercury Electronics, 9	8345 Hayvenhurst Ave, Sepulveda	Cal
Performance Measurements Co., 5-8-9	15120 Third Ave, Detroit 3	Mich
Photocon Research Products, 3-8	421 N. Altadena Dr, Pasadena	Cal
Pickering & Co., Inc., 1-2-3-7-10	Sunnyside Blvd, Plainview	NY
Piezo Crystal Co., 8	265 E. Pomfret St, Carlisle	Pa
Potter Aeronautical Corp., 5-10	Rt 22, Union	NJ
Radiation, Inc., 4-8-9-10	Melbourne	Fla
Rahm Instruments Div., American Machine & Metals, Inc., 1-2-3-5-6-8-9-10	65 Rushmore St, Westbury	NY
Research, Inc., 3	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Rosemount Engineering Co., 5-8-9	4900 W. 78 St, Minneapolis 24	Minn
Royco Instruments, Inc., 9	365 San Antonio Rd, Mountain View	Cal
Ruge Associates, Inc., Arthur C., 9	Hudson	NH
S-E Laboratories Ltd., 1-2-3-5-8	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Schaevitz Engineering., 1-2-3-5-6-7-8-10	P. O. Box 505, Camden 1	NJ
Servomechanisms, Inc., 2-5-6-8-9-10	12500 Aviation Blvd, Hawthorne	Cal
Servonic Instruments, Inc., 3	640 Terminal Way, Costa Mesa	Cal
Servotronics, Inc., 3	190 Gruner Rd, Buffalo 25	NY
Solar Mfg. Corp., 1-6	4553 Seville Ave, Los Angeles 58	Cal
Solartron, Inc., 8	1742 S. Zeyn St, Anaheim	Cal
SOLID STATE ELECTRONICS CO., 8, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Southern Instruments, Ltd., 1-3-8	Frimley Rd, Camberley, Surrey, England	
Specialties, Inc., 8	Skunks Misery Rd, Syosset	NY
Spectrol Electronics Corp., 2	1704 S. Del Mar, San Gabriel	Cal
Standard Controls, Inc., 5-8	1130 Poplar Pl, Seattle 44	Wash
STATHAM INSTRUMENTS, INC., 1-3-5-7-8-10, Adv Pg 539	**12401 W. Olympic Blvd, Los Angeles 64**	**Cal**
Sun Electric Co., 10	6323 Avondale St, Chicago 31	Ill
Taber Instrument Corp., 8-9	107 Goundry St, North Tonawanda	NY
TECHNOLOGY INSTRUMENT CORP., 1-2-3-7-8, Adv Pg 223	**533 Main St, Acton**	**Mass**
Tektron Instrument Co., 9	Box 4215, Sacramento 21	Cal
Telco, Inc., 8	47 Rue De La Div Leclerc, Gentilly	Fr
Telex, Inc., 4-8	Telex Park, St. Paul 1	Minn
Ten Bosch, Inc., M., 8	80 Wheeler Ave, Pleasantville	NY
Texas Research Associates Corp., 1-8	1703 Guadalupe St, Austin	Tex
THETA INSTRUMENT CORP., 2-7, Adv Pg 306	**520 Victor St, Saddle Brook**	**NJ**
Tinsley Instruments (Canada), Ltd., 3	P.O. Box 99, Smiths Falls, Ontario, Canada	
Topp Industries, Inc., 1-2-8-9	5221 W. 102 St, Los Angeles 45	Cal
Trans-Sonics, Inc., 5-6-8-9	Dept. 5, Burlington	Mass
Ultradyne, Inc., 8	P.O. Box 3308, Albuquerque	NM
United Control Corp., 9	4540 Union Bay Pl, Seattle 5	Wash
U.S. Gauge Div., Amer-Mach & Metals, Inc., 8	Sellersville	Pa
U.S. Science Corp., 2-5-10	5221 W. 102nd St, Los Angeles 45	Cal
U.S. Sonics Corp., 4	625 McGrath Hwy, Somerville 45	Mass
Valverde Laboratories, 9	252 Lafayette St, New York 12	NY
Victory Engineering Corp., 9	101 Springfield Rd, Union	NJ
Waugh Engineering Co., 5	7842 Burnet Ave, Van Nuys	Cal
Wayne Kerr Corp., 3-6-9	1633 Race St, Philadelphia 3	Pa
Weighing & Control Components, Inc., 8	Ind'l Park, E. County Line Rd, Hatboro	Pa
Wells Industries Corp., 6-9	6880 Troost Ave, North Hollywood	Cal
West Coast Research Corp., 1-2-3-8-9-10	2102 S. Sepulveda Blvd, Los Angeles	Cal
Westrex Corp., Div., Litton Industries, 2	540 W. 58 St, New York 19	NY
White Avionics Corp., 1-5-8	Terminal Rd, Plainview	NY
Wiancko Engineering Co., 1-8	255 N. Halstead, Pasadena	Cal
Wright Machinery Co., Div of Sperry Rand Corp., 2-3	Durham	NC

TRANSDUCTORS See **REACTORS** *–SATURABLE*
TRANSFORMER BOBBINS See **BOBBINS**
TRANSFORMER HOUSINGS See **HOUSINGS** *–IRON-CORE TRANSFORMER*
TRANSFORMER LAMINATIONS See **LAMINATIONS**

TRANSFORMERS *–AIR-CORE & POWDERED-IRON-CORE*
1. ETCHED-WINDING 2. HIGH-VOLTAGE POWER SUPPLY 3. PRINTED-CIRCUIT TERMINALS 4. PULSE, HIGH-FREQUENCY 5. R-F & I-F 6. R-F ANTENNA MATCHING 7. TV IMPEDANCE-MATCHING

AC Electronics, Inc., 3-4-5-6-7	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 2-3-4-5-6, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
AEG, 2	Hochhaus Sued, Frankfurt/Main, Germany	
Ace Coil & Electronics Co., 5-6	912 Lincoln Hwy, Metuchen	NJ
Airdesign Corp., 2	P.O. Box 987, Norristown	Pa
Airtron, Div of Litton Industries, 6	**200 E. Hanover Ave, Morris Plains**	**NJ**
Aladdin Electronics Div Aladdin Industries Inc., 4-5	711 Murfreesboro Rd, Nashville 10	Tenn
Allied Circuit Techniques, Ltd., 1-3	29 Brook St N., Oakville, Ontario, Canada	
American Rectifier Corp., 2	95 Lafayette St, New York 13	NY
AMP, INC., 2-4, Adv. Pgs. 158,159	**Eisenhower Blvd, Harrisburg**	**Pa**
Antennavision, Inc., 5-6-7	2949 W. Osborn Rd, Phoenix	Ariz
Applied Radiation Corp., 4	2404 N. Main St, Walnut Creek	Cal
Artted Co., Inc., 4-5-6-7	367 Worthington St, Springfield 3	Mass
Atlantic Transformer Corp., 3-4	30 Hynes Ave, Groton	Conn
Atlas Coil, Inc., 2-4-5-6	63 Main St, Ansonia	Conn
AUTOMATIC COIL CO., 3-5-6, Adv Pg 482	**199 Sackett St, Brooklyn**	**NY**
Ballastran, Div., Telex, Inc., 2-3-4	1701 N. Calhoun St, Ft. Wayne 7	Ind
Barker & Williamson, 5-6	Canal & Beaver Sts, Bristol	Pa
Basler Electric Co., 2	P. O. Box 269, Highland	Ill
Bellaire Electronics, Inc., 5	62 White St, Red Bank	NJ
Bel-Tronics Corp., 3-5	Industrial Ave, Addison	Ill
Bitterman Electric Co., Inc., 2-4-5-6-7	P.O. Box 1877, Canaan	Conn
Bush Transformer Corp., 2-3-4	707 North St, Engicott	NY
CBC ELECTRONICS CO., INC., 4, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C.G.S. Labs., Inc., 6	Rt 7, Wilton	Conn
Caddell Burns Mfg. Co., Inc., 2-5-6-7	40 E. 2nd St, Mineola	NY
Caledonia Electronics & Transformer Co., 2-3-4	Caledonia	NY
California Magnetic Control Corp., 2-3-4-5-6	11922 Valerio St, North Hollywood	Cal
CAMBRIDGE THERMIONIC CORP., 3-5, Adv Pg 18	**445 Concord Ave, Cambridge 38**	**Mass**
Canadian Marconi Co., 3-5-6	2444 Trenton Ave, Montreal, Canada	
Carad Corp., 4-5	2850 Bay Rd, Redwood City	Cal
CELCO CONSTANTINE ENGINEERING LABS CO., 2-3, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Central Transformer Co., 2-3	910 W. Jackson Blvd, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 2-4-5-6-7, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Coast Coil Co., 3	5333 W. Washington Blvd, Los Angeles	Cal
Coil Winders, Inc., 1-2-3-4-5	Ames Ct., Plainview	NY
Coilcraft, Inc., 2-3-4-5-6-7	Cary	Ill
COMMUNICATION ACCESSORIES CO., 3-4, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Cornwell Electronics Corp., 2	84 S. Water St, Byram	Conn
Cycle Transformer Corp., 2	354 Glenwood Ave, East Orange	NJ
DX Radio Products Co., Inc., 2-4-5	2300 Armitage Ave, Chicago 47	Ill
DEL ELECTRONICS CORP., 2, Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
Developmental Electronics Corp., 3-4	4213 S. Broadway, Los Angeles	Cal
Dimon Coil Co., Inc., 4-7	Caledonia	NY
Djeco, Div., Djordjevic Engrg Co., 2-4-5	1933 N. Damen, Chicago 47	Ill
Dunwell Mfg. Corp., 5	159-161 Ft. Lee Rd, Teaneck	NJ
ESC CORP., 4, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Electran Mfg. Co., 2	1909 N. Clybourn, Chicago	Ill
Electro-Winders Co., Inc., 2-3-4-5-6-7	854 W. Front St, Covina	Cal
ELECTRONIC COILS, INC., 4, Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Electronic Transformer Co., 2	70 Washington St, Brooklyn 1	NY
El-Rad Mfg. Co., 4-5	4300 N. California Ave, Chicago 18	Ill
Essex Electronics Div of Nytronics, Inc., 5-6	550 Springfield Ave, Berkeley Heights	NJ
FXR, INC., 2-4-6, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Ferro-Magnetics Co., 2-4	989 Commercial St, Palo Alto	Cal
Ferrotran Electronic Co., Inc., 5	693 Broadway, New York 12	NY
Fisher Engineering, Inc., 4	2060 U.S. 24 E. Box 327, Huntington	Ind
Forbes & Wagner, Inc., 4-5	345 Central Ave, Silver Creek	NY
Forest Electric Co., 2	7216 Circle Rd, Forest Park	Ill
FREED TRANSFORMER CO., INC., 4, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Fugle-Miller Laboratories, Inc., 2-5-6-7	301 Central Ave, Clark	NJ
General Coil Products Corp., 3-5-6-7	147-12 Liberty Ave, Jamaica 35	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Geotronic Labs., Inc., 2-3	1314 Cedar Hill Ave, Dallas 8	Tex
GRAY & KUHN, 4-5-6, Adv Pg 473	**80 Swain St, Westbury**	**NY**
Grinnel-Harris Electronics, 2	4132 Temple City Blvd, Rosemead	Cal
Hamilton Watch Co., Industrial Div., 4	Lancaster	Pa
HI-G, INC., 5-6, Adv Pg 304	**10 Bradley Field, Windsor Locks**	**Conn**
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 2-3-4	P.O. Box 978, Garland	Tex
Hisonic, Inc., 3-5	P.O. Box 534, Shawnee	Kan
IMC MAGNETICS CORP., 4, Adv Pg 186	**570 Main St, Westbury**	**NY**
Industrial Transformer Corp., 2-4	Gouldsboro	Pa
Instrument Systems Corp., 6	129-07 18th Ave, College Point 56	NY
INTERELECTRONICS CORP., 2, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Johnson Electronics, Inc., 3-5	P.O. Box 1675, Casselberry	Fla
K-V Transformer Corp., 2-4	20 E. Franklin St, Danbury	Conn
Keystone Products Co., 2-4	904-6 23 St, Union City	NJ

Laboratory for Electronics, Inc., 2-4-5	1079 Commonwealth, Boston 15	Mass
Levinthal Electronic Products, Inc., 4	3180 Hanover St, Palo Alto	Cal
Linell Engineering Corp., 5-6	3974 N. Avondale, Chicago 41	Ill
Lockheed Electronics Co., Avionics & Ind Products Div., 4	Randolph St, Los Angeles	Cal
Luther Electronic Mfg. Co., 4	5728 W. Washington Blvd, Los Angeles 16	Cal
McGregor Electronic Industries, 3-4-5-7	McGregor	Iowa
Magnalectric Corp., 2-3-4	P.O. Box 6008, Tulsa	Okla
Magnetic Circuit Elements, Inc., 2-4	3722 Park Pl, Montrose	Cal
MANSON LABORATORIES, INC., 2-4, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Merit Coil & Transformer Corp., 2-3-4-5-6-7	2027 Sherman St, Hollywood	Fla
Microsecond Electronics, Inc., 4	3213 E. Washington, Phoenix	Ariz
MICROTRAN CO., INC., 3, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Miller Co., J.W., 2-3-5-6-7	5915 S. Main St, Los Angeles	Cal
Modelectric Products Corp., 5	1500 Bangs Ave, Asbury Park	NJ
Mosley Electronics, Inc., 6-7	4610 N. Lindbergh, Bridgeton	Mo
Muter Co., 5	1255 S. Michigan, Chicago 5	Ill
National Coil Co., 3-5	P.O. Box 1237, Sheridan	Wyo
Newport Scientific Co., 2-3	638 W. 17th St, Costa Mesa	Cal
New York Coil Co., Inc., 2-3-4-5-6	Phoenixville 12	Pa
NORTH HILLS ELECTRIC CO., INC., 2-4-5-6, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Nothelfer Winding Labs., Inc., 2-4	P.O. Box 455, Trenton 3	NJ
Oaktron Electric Co., 3-5-6	Tinley Park	Ill
Ortho Filter Corp., 3	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 2	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 2	712 S.E. Hawthorne Blvd, Portland 14	Ore
PCA ELECTRONICS, INC., 4, Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Palo Alto Engineering Co., 2-4	620 Page Mill Rd, Palo Alto	Cal
Permoflux Products Co., 2-7	4101 San Fernando Rd, Glendale	Cal
Picker X Ray Corp., 2-4	25 S. Broadway, White Plains	NY
Polyphase Instrument Co., 3-4-5	E. Fourth St, Bridgeport	Pa
Power Industries Co., 4-5-6-7	2655 W. 19th St, Chicago 16	Ill
PRECISE MEASUREMENTS CO., 2, Adv Pg 204	**R.D. 1, Millbrooks, Flemington**	**NJ**
Pulse Engineering, Inc., 4	560 Robert Ave, Santa Clara	Cal
RS ELECTRONICS CORP., 4-5, Adv Pg 535	**435 Portage Ave, Palo Alto**	**Cal**
Radio Industries, Inc., 3-5	665 Garland Pl, Des Plaines	Ill
Ram Electronics, Inc., 2-4-5-6	600 Industrial Ave, Paramus	NJ
Rantec Corp., 6	23999 Ventura Blvd, Calabasas	Cal
Raypar, Inc., 2-5	7800 W. Addison St, Chicago	Ill
Raytheon Co. Commercial Appar. & Systems Div., 2-4-5	100 River St, Waltham	Mass
REDMAN ELECTRONICS CORP., 2-4-5, Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
Rollan Electric Co., 5	8233 S. Princeton Ave, Chicago 20	Ill
Rytron Co., Inc., 3-5-6	7301 Lankershim Blvd, North Hollywood	Cal
S.G. Smallwood Ltd., 5-6	391 King St E., Kitchener, Canada	
S N C Mfg. Co., Inc., 2	P.O. Box 277, Oshkosh	Wisc
SATURN ELECTRONICS CORP., 5, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Servomechanisms, Inc., 3-7	12500 Aviation Blvd, Hawthorne	Cal
Sickles F.W., Div., General Instrument Corp., 3-5-7	165 Front St, Chicopee	Mass
Sioux Radio Products, 5	100 Douglas Ave, Yankton	SD
Sparton Corp., 2-4-5	2400 E. Ganson St, Jackson	Mich
SPELLMAN HIGH VOLTAGE CO., 2, Adv. Pgs. 366, 367	**3029 Webster Ave, New York 67**	**NY**
Standard Electronics Div., Reeves Instrument Corp., 2-4-6	Lakewood Rd, Farmingdale	NJ
Standard Winding Corp., 3-5-7	44-62 Johnes St, Newburgh	NY
Stanwyck Winding Co., 5	137 Walsh Ave, Newburgh	NY
Summit Coil Co., 2-5-6-7	4 Claremont Rd, Bernardsville	NJ
Superex Electronics Corp., 3-5-6-7	4-6 Radford Pl, Yonkers	NY
Technitrol Engineering Co., 4	1952 E. Allegheny Ave, Philadelphia 34	Pa
Technograph Printed Electronics, Inc., 1	920 Northwest Blvd, Winston-Salem	NC
Thermador Electrical Mfg. Co., 6-7	715 S. Raymond Ave, Alhambra	Cal
Thordarson-Meissner Mfg. Co., 1-2-3-4-5-6-7	7th & Belmont Ave, Mt. Carmel	Ill
TODD ELECTRIC CO., INC., 3-4, Adv Pg 456	**6 Brook St, Yonkers**	**NY**
Toroidal Components Co., 4	1374 E. Walnut St, Pasadena	Cal
TOROTEL, INC., 2-3-4-6, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
Transformer Specialty Co., 2-3	1400 Mill Creek Rd, Gladwyne	Pa
Transonic, Inc., 3	808 16th St, Bakersfield	Cal
Tresco, Inc., 2-3	3824 Terrace St, Philadelphia 28	Pa
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 4, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
21st Century Electronics, Inc., 2	P.O. Box 2326, Riverside	Cal
U.S. Electronics Corp., 2-3-5-6	276 Warren St, Lyndhurst	NJ
Universal Toroid Coil Winding, Inc., 3-4-5	171EB Coit St, Irvington	NJ
Valor Instruments, Inc., 3-4-5-6	13214 Crenshaw Blvd, Gardena	Cal
Vanguard Electronics Co., 5	3384 Motor Ave, Los Angeles 34	Cal
VARO MFG. CO., INC., 2-3-5, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Virginia Electronics Co., Inc., 2-5	5209 River Rd, Washington 16	DC
Wahlgren Magnetics, Div., Marshall Ind., 2-3-4	1900 Walker Ave, Monrovia	Cal
Warsaw Coil Co., 5	Warsaw	Ind
Western Design Div., U.S. Industries, Inc., 2	Goleta	Cal
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2-4, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Winegard Co., 7	3000 Scotten Blvd, Burlington	Iowa
Wirco Electronics, Inc., 3-5-6-7	11680 McBean Dr, El Monte	Cal

TRANSFORMER SHIELDS See SHIELDS —*TRANSFORMER*

TRANSFORMERS —*IRON-CORE, A-F*

1. INPUT. INTERSTAGE OR OUTPUT-GENERAL-PURPOSE
2. MINIATURE 3. MODULATOR 4. PRINTED-CIRCUIT TERMINALS
5. ULTRASONIC 6. VERY LOW FREQUENCY (SUBSONIC)

AC Electronics, Inc., 1-2-3-4	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 1-2-3-4-5-6, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 1-2-3-4-5, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
A.P.W. Co., 2	72 W. Main St, Rockaway	NJ
ACME ELECTRIC CORP., 1, Adv Pg 511	**Water St, Cuba**	**NY**
Acro Products Co., 1-3-5-6	410 Shurs Ln, Philadelphia 28	Pa
Aeroflex Corp., 1-3	34-06 Skillman Ave, Long Island City 1	NY
Airdesign Corp., 1-2	P.O. Box 987, Norristown	Pa
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Amplifier Corp of America, 1-2	396 Broadway, New York 13	NY
Ardente Acoustic Laboratories, Ltd., 1-2	8/12 Minerva Rd, London N.W. 10, England	
Argonne Electronics Mfg. Corp., 1-2-4	165-11 South Rd, Jamaica 33	NY
ARNOLD MAGNETICS CORP., 1-2-4, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Atlantic Transformer Corp., 1-2-3-4-5-6	30 Hynes Ave, Groton	Conn
Atlas Coil, Inc., 2-3-5-6	63 Main St, Ansonia	Conn
ATLAS ENGINEERING CO., 1-2-3-4-5-6, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Avnet Electronics Corp., 1-2-3	70 State St, Westbury	NY
Ballastran, Div., Telex, Inc., 1-2-3-4-6	1701 N. Calhoun St, Ft. Wayne 7	Ind
Barwood Electronics, Inc., 1-2-4	120 S. Maryland Ave, Glendale 5	Cal
Basler Electric Co., 1-2	P. O. Box 269, Highland	Ill
Bell Aircraft Corp., 1	P.O. Box 1, Buffalo 5	NY
Bel-Tronics Corp., 1-4	Industrial Ave, Addison	Ill
Bitterman Electric Co., Inc., 1-2-3-5-6	P.O. Box 1877, Canaan	Conn
Blackburn Electronic Corp., 2-4	55 W. 7th St, Wyoming	Pa
Bogen-Presto Div., Siegler Corp., 1	P.O. Box 500, Paramus	NJ
Burmac Electronics Co., Inc., 3	142 S. Long Beach, Rockville Center	NY
Bush Transformer Corp., 1-2-3-4-5-6	707 North St, Endicott	NY
Caledonia Electronics & Transformer Co., 1-3-4-5	Caledonia	NY
California Magnetic Control Corp., 1-2-3-4-5-6	11922 Valerio St, North Hollywood	Cal
Campbell Co., Inc., Colin, 1-2-3-4-6	Miry Brook Rd, Danbury	Conn
Carol Electronics Corp., 1-6	315 W. Stephen St, Martinsburg	W. Va
CELCO CONSTANTINE ENGINEERING LABS CO., 1-2-3-4, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Central Transformer Co., 1-2-3-4-5-6	910 W. Jackson Blvd, Chicago	Ill
Chicago Magnetic Control Co., 1-2-3-4-6	1616 Damon Ave, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 1-2-3-4, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Chicago Telephone of California, 1	105 Pasadena Ave, South Pasadena	Cal
Coast Coil Co., 4	5333 W. Washington Blvd, Los Angeles	Cal
Coil Co of America, Inc., 1-2-3-4-6	220 Washington St, Northvale	NJ
Coilcraft, Inc., 5	Cary	Ill
Columbus Process Co., Inc., 1-2-3-4	2851 Southeastern Ave, Columbus	Ind
COMMUNICATION ACCESSORIES CO., 1-2-4, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Crest Transformer Corp., 1-2-3-4	1834-36 W. North Ave, Chicago 22	Ill
Cycle Transformer Corp., 1-2-3-4-5-6	354 Glenwood Ave, East Orange	NJ
DX Radio Products Co., Inc., 2-4	2300 Armitage Ave, Chicago 47	Ill
DEL ELECTRONICS CORP., 2, Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
DELTEX ELECTRONIC DIV., DELTA EXPLOR. CO., INC., 1-6, Adv Pg 467	**Drawer 2666, Jackson**	**Miss**
DIETZ DESIGN, INC., 1-2-3, Adv Pg 499	**Grandview 6**	**Mo**
Dinion Coil Co., Inc., 1-2-3	Caledonia	NY
Djeco, Div., Djordjevic Engrg Co., 1-6	1933 N. Damen, Chicago 47	Ill
Dunwell Mfg. Corp., 4	159-161 Ft. Lee Rd, Teaneck	NJ
Dynaco, Inc., 1	3912 Powelton Ave, Philadelphia 4	Pa
ESC CORP., 2-4, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Edko Electronics, Inc., 1-2-3-4-5-6	397 Bedford Ave, Brooklyn 11	NY
Electran Mfg. Co., 1-2-4	1909 N. Clybourn, Chicago	Ill
Electrical Windings, Inc., 1-2-3-4	2015 N. Kolmar, Chicago 39	Ill
Electro Powerpacs, Inc., 1-3	5 Hadley St, Cambridge 40	Mass
Electro Sonic Labs., Inc., 2-4	35-54 36th St, Long Island City 6	NY
Electro-Winders Co., Inc., 1-2	854 W. Front St, Covina	Cal
Electrodynamic Instrument Corp., 1-2-3-4-5-6	1841 Old Spanish Trail, Houston 25	Tex
Electronic Research Associates, Inc., 1-2	67 Factory Pl, Cedar Grove	NJ
Electronic Transformer Co., 1-2-3-4-5-6	70 Washington St, Brooklyn 1	NY
EPCO PRODUCTS INC., 1-2-3-4-5-6, Adv Pg 438	**P.O. Box 298, Wallkill**	**NY**
FXR, INC., 3, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Ferro-Magnetics Co., 1-2-3-4	989 Commercial St, Palo Alto	Cal
Ferrotran Electronic Co., Inc., 1-2-3	693 Broadway, New York 12	NY
Fisher Engineering, Inc., 1-2-3-4-5-6	2060 U.S. 24 E. Box 327, Huntington	Ind
Forest Electric Co., 1	7216 Circle Rd, Forest Park	Ill
Foster Transformer Co., 1-2-3-4-5-6	3820 Colerain Ave, Cincinnati 23	Ohio
FREED TRANSFORMER CO., INC., 1-2-3-4-5-6, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Galbraith-Pilot Marine Corp., 1	602 Fourth Ave, Brooklyn	NY
GATES RADIO CO., 1, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Coil Products Corp., 4-5	147-12 Liberty Ave, Jamaica 35	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-4, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Transformer Co., 1-2-4	18240 Harwood Ave, Homewood	Ill
Genistron, Inc., 4	6320 W. Arizona Circle, Los Angeles 45	Cal
Geotronic Labs., Inc., 1-2-4-6	1314 Cedar Hill Ave, Dallas 8	Tex
Goodmans Industries Ltd., Axiom Works, 1	Wembley, Middlesex, England	
Goslin Electric & Mfg. Co., 1-2-3-4-5-6	2921 W. Olive St, Burbank	Cal
Grand Transformers, Inc., 1-2-3-4	Hey St, Grand Haven	Mich
Grinnel-Harris Electronics, 1-2	4132 Temple City Blvd, Rosemead	Cal
Hadley Co., Inc., Robert M., 6-3-1	5112 S. Hoover St, Los Angeles 37	Cal
Harder Co., Donald C., 1	2580 K St, San Diego	Cal
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2-3-4-6	P.O. Box 978, Garland	Tex
HEWLETT-PACKARD CO., 2-4, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hindle Transformer Co., Inc., 5	Woods Church Rd, Flemington	NJ
Hisonic, Inc., 2-4-5	P.O. Box 534, Shawnee	Kan
Industrial Transformer Corp., 1-2-3-4-5-6	Gouldsboro	Pa
Intercontinental Electronics, 1-2	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 2-5-6, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
International Research Associates, 2	2221 Warwick Ave, Santa Monica	Cal
James Electronics Inc., 1-2-4	4050 N. Rockwell St, Chicago 18	Ill
Johnson Electronics, Inc., 1-2-4	P.O. Box 1675, Casselberry	Fla
K-V Transformer Corp., 1-2-3-4-5-6	20 E. Franklin St, Danbury	Conn
Kenyon Transformer Co., Inc., 1-2-3-5	1057 Summit Ave, Jersey City 7	NJ
Keystone Products Co., 6	904-6 23 St, Union City	NJ
Laboratory for Electronics, Inc., 1	1079 Commonwealth, Boston 15	Mass
Langevin Div., Maxson Corp., W.L., The, 1-2-3	475 Tenth Ave, New York 18	NY
Lockheed Electronics Co., Avionics & Ind Products Div., 1	Randolph St, Los Angeles	Cal
Lumen, Inc., 5-6	P.O. Box 905, Joliet	Ill
McGregor Electronic Industries, 1-2-3-4	McGregor	Iowa
Magnalectric Corp., 1-2-4-6	P.O. Box 6008, Tulsa	Okla
Magnetic Circuit Elements, Inc., 1-2-4	3722 Park Pl, Montrose	Cal
Magnetic Windings Div., Essex Wire Corp., 1-2-3-4	Freemansburg at Hobson, Easton	Pa
Magnetico, Inc., 2	6 Richter Ct, East Northport	NY
Mara Electronics, Inc., 1	44 Court St, Brooklyn 1	NY
Materials for Electronics, Inc., 2	152-25 138 Ave, Jamaica 34	NY
Melco Products, Inc., 1-3-4-5	301 Fifth Ave S., Minneapolis 15	Minn
Mercury Transformer Corp., 1-2-3-4	12964 Panama St, Los Angeles 66	Cal
Merit Coil & Transformer Corp., 1-2-3-4	2027 Sherman St, Hollywood	Fla
MICRODOT, INC., 1, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Micromag Instrument Corp., 2-4	115 Halleck St, Roxbury	Mass
MICROTRAN CO., INC., 1-2-3-4-5, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**

Mid-West Coil & Transformer Co., 1-2-3-4	1342 N. Halstead St, Chicago 14	Ill
Minitran Corp., 1-2-3-4-5	5 Oliver St, Newark 2	NJ
Mt. Vernon Prec Transformer Co., 1-6	47 S. 3rd Ave, Mt. Vernon	NY
National Coil Co., 1-2-4-6	P.O. Box 1237, Sheridan	Wyo
NEW ENGLAND TRANSFORMER CO., 1-2-3-4, Adv Pg 523	**47 McGrath Hwy, Somerville**	**Mass**
Newport Scientific Co., 1-2-3-4-5-6	638 W. 17th St, Costa Mesa	Cal
New York Coil Co., Inc., 1-2-4	Phoenixville 12	Pa
New York Transformer Co., Inc., 1-2-3-4-5-6	Third Ave, Alpha	NJ
Nothelfer Winding Labs., Inc., 1	P.O. Box 455, Trenton 3	NJ
Ortho Filter Corp., 1-2-3-4	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 2-4	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 1-2-3	712 S.E. Hawthorne Blvd, Portland 14	Ore
Osborne Transformer Corp., 5	3834 Mitchell Ave, Detroit 7	Mich
OXFORD ELECTRIC CORP., 1-2-4, Adv Pg 556	**3911 S. Michigan Ave, Chicago 53**	**Ill**
PCA ELECTRONICS, INC., 2, Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Pacific Magnetic Corp., 1-2	Electronic Center, Romoland	Cal
Palo Alto Engineering Co., 1-2-3-4-5-6	620 Page Mill Rd, Palo Alto	Cal
Permoflux Products Co., 1-2	4101 San Fernando Rd, Glendale	Cal
Philco Corp., Gov't & Ind'l Div., 1-3	4700 Wissahickon Ave, Philadelphia 44	Pa
Polyphase Instrument Co., 1-2-3-4-6	E. Fourth St, Bridgeport	Pa
Power Industries Co., 1-2-3-5-6	2655 W. 19th St, Chicago 16	Ill
Precision Electronics, 1-2-3-4-5-6	427 Plain St, Marshfield	Mass
Precision Electronics, Inc., 1-2-3-5-6	48 Merrick Rd, Rockville Centre	NY
Prototype Transformer Corp., 1-2-3-4-5-6	1 Henry St, Bloomfield	NJ
Pulse Engineering, Inc., 2	560 Robert Ave, Santa Clara	Cal
Quam Nichols Co., 1	Marquette Rd & Prairie Ave, Chicago 37	Ill
R. K. Mfg. Co., 1-2-3-4-6	P.O. Box 98, Carterville	Ill
Radio Industries, Inc., 2-4	666 Garland Pl, Des Plaines	Ill
Ram Electronics, Inc., 1	600 Industrial Ave, Paramus	NJ
Raytheon Co. Commercial Appar. & Systems Div., 5	100 River St, Waltham	Mass
Rola Co., Div., Muter Co., 1	2530 Superior Ave, Cleveland 14	Ohio
Rye Sound Corp., 2	145 Elm St, Mamaroneck	NY
Rytron Co., Inc., 1-2-3-4-5-6	7301 Lankershim Blvd, North Hollywood	Cal
S N C Mfg. Co., Inc., 1	P.O. Box 277, Oshkosh	Wisc
Sangamo Electric Co., 1-2-3-5-6	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 1-2-3-4, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Servomechanisms, Inc., 1-2-3-4-5-6	12500 Aviation Blvd, Hawthorne	Cal
Signal Transformer Co., 1-2-3-4-5-6	1661 McDonald Ave, Brooklyn 30	NY
Southwestern Ind. Electronics Co., 1-2-5-6	10201 Westheimer Rd, Houston 19	Tex
Sparton Corp., 1-2-3	2400 E. Ganson St, Jackson	Mich
Standard Electronics Div., Reeves Instrument Corp., 1-3-5-6	Lakewood Rd, Farmingdale	NJ
Stanley Transformer Co., 1-2-3-4-5-6	31-23 Vernon Blvd, Long Island City	NY
STERLING TRANSFORMER CORP., 1-2-3-4-5-6, Adv Pg 457	**510 Driggs Ave, Brooklyn**	**NY**
Stratocon Corp., 2	P.O. Box 10, Morristown	NJ
Sylvania Photolamp & Special Products, 1-2-3-4	60 Boston St, Salem	Mass
Tenco Electronics, Inc., 1	811 Boylston St, Boston	Mass
Thermador Electrical Mfg. Co., 1-2-3	715 S. Raymond Ave, Alhambra	Cal
Thordarson-Meissner Mfg. Co., 1-2-3-4-5-6	7th & Belmont Ave, Mt. Carmel	Ill
TODD ELECTRIC CO., INC., 1-2-3-4-5, Adv Pg 456	**6 Brook St, Yonkers**	**NY**
TOROTEL, INC., 1-2-3-4-6, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 1-2-3-4, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transformer Design, Inc of Milw, 1-2-3-4-5-6	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 1-2-3-4-6	285 N. Halstead Ave, Pasadena	Cal
Transformer Specialty Co., 2-4	1400 Mill Creek Rd, Gladwyne	Pa
Transformers, Inc., 1-2-3-4-5-6	200 Stage Rd, Vestal	NY
Transonic, Inc., 1-2-3-4-5-6	808 16th St, Bakersfield	Cal
Tresco, Inc., 1-2-3-4-5-6	3824 Terrace St, Philadelphia 28	Pa
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 1-2-3-4, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Union Electric & Mfg. Corp., 1-2-3-5	1057 Summit Ave, Jersey City	NJ
Universal Toroid Coil Winding, Inc., 1-2-4	171EB Coit St, Irvington	NJ
Utrad Corp., Div., Litton Ind., 5	305 N. Briant, Huntington	Ind
Valor Instrument, Inc., 2-4	13214 Crenshaw Blvd, Gardena	Cal
VARO MFG. CO., INC., 1-2-3-4-6, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vibration Research Labs., Inc., 1-2	58 Marbledale Rd, Tuckahoe	NY
Virginia Electronics Co., Inc., 1-3	5209 River Rd, Washington 16	DC
Wahlgren Magnetics, Div., Marshall Ind., 2-4-5-6	1900 Walker Ave, Monrovia	Cal
Warsaw Coil Co., 2	Warsaw	Ind
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 1-2-3-4-5-6, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wirco Electronics, Inc., 1-4	11680 McBean Dr, El Monte	Cal
Workman TV Products, Inc., 1	P.O. Box 5397, Sarasota	Fla
Zenith Radio Corp., 1	6001 Dickens Ave, Chicago 39	Ill

TRANSFORMERS —*IRON-CORE, POWER*

1. CURRENT-LIMITING 2. HIGH-VOLTAGE POWER SUPPLY 3. ISOLATION 4. MODULATOR 5. PLATE & FILAMENT, 60-CPS-OVER 500 WATTS 6. PLATE & FILAMENT, 60-CPS-UNDER 500 WATTS 7. PLATE & FILAMENT, 400-CPS 8. SATURABLE 9. VARIABLE 10. VIBRATOR 11. VOLTAGE-REGULATING & STABILIZING 12. WELDING 13. X-RAY

AC Electronics, Inc., 1-2-3-4-5-6-7-8-9-10-11	11725 Mississippi Ave, Los Angeles 25	Cal
A. C. Transformer Corp., 2-3-5-6-7	89 Madison St, Newark	NJ
ACDC ELECTRONICS, INC., 1-2-3-4-5-6-7-8-10, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 1-2-3-4-5-6-7-8-10-11-12, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
A R & D A, 8	135 Main St, Belleville 9	NJ
ACME ELECTRIC CORP., 1-3-5-6-7-8-9-11-12, Adv Pg 511	**Water St, Cuba**	**NY**
Acro Products Co., 3-4-5-6-7	410 Shurs Ln, Philadelphia 28	Pa
Aeroflex Corp., 1-2-8-9	34-06 Skillman Ave, Long Island City 1	NY
Airdesign Corp., 1-2-9	P.O. Box 987, Norristown	Pa
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-3-7-8-10, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Aladdin Electronics Div of Aladdin Industries Inc., 9	711 Murfreesboro Rd, Nashville 10	Tenn
Allen Electric & Equipment Co., 12	2101 N. Pitcher St, Kalamazoo	Mich
American-Monarch Corp., 2-3-5-6-8-11	2801 37 Ave N.E., Minneapolis 18	Minn
American Rectifier Corp., 2-3-8-11	95 Lafayette St, New York 13	NY
AMP, INC., 1-2-3-5-6-7-8-11, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Amplifier Corp of America, 1-2-6-8	396 Broadway, New York 13	NY
Arco Transformer & Electric Co., 2-3-4-5-6-7-10-12	1602 S. Hanna St, Fort Wayne	Ind
ARNOLD MAGNETICS CORP., 2-3-7, Adv Pg 385	**6050 W. Jefferson, Los Angeles 16**	**Cal**
Arnoux Corp., 9	11924 W. Washington Blvd, L.A. 66	Cal
Atlantic Transformer Corp., 1-2-3-4-5-6-7-8-10	30 Hynes Ave, Groton	Conn
Atlas Coil, Inc., 1-2-3-4-5-6-7-8-9	63 Main St, Ansonia	Conn
ATLAS ENGINEERING CO., 1-2-3-4-5-6-7-8-9-10-11-12-13, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Avnet Electronics Corp., 3-10	70 State St, Westbury	NY
Ballastran, Div., Telex, Inc., 1-2-3-4-5-6-7-8	1701 N. Calhoun St, Ft. Wayne 7	Ind
Barwood Electronics, Inc., 3-5-6-7-10	120 S. Maryland Ave, Glendale 5	Cal
Basler Electric Co., 1-2-3-4-5-6-7-8-9-10-11-12-13	P. O. Box 269, Highland	Ill
Bell Aircraft Corp., 2-3-4-5-6-7	P.O. Box 1, Buffalo 5	NY
Bitterman Electric Co., Inc., 1-2-3-4-5-6-7-8-9-10-11	P.O. Box 1877, Canaan	Conn
Bush Transformer Corp., 1-2-3-4-5-6-7-8-10-11	707 North St, Endicott	NY
Cable Electric Products, 1-6-7-8	234 Daboll St, Providence	RI
Caledonia Electronics & Transformer Co., 2-3-4-5-6-7	Caledonia	NY
California Magnetic Control Corp., 1-2-3-4-5-6-7-8-9-10-11-12-13	11922 Valerio St, North Hollywood	Cal
Campbell Co., Inc., Colin, 1-2-3-4-6-7-8-11	Miry Brook Rd, Danbury	Conn
Canadian Marconi Co., 3-4-5-6-7-10-12	2444 Trenton Ave, Montreal, Canada	
Carad Corp., 2	2850 Bay Rd, Redwood City	Cal
Carol Electronics Corp., 1-3-4-5-8-10-13	315 W. Stephen St, Martinsburg	W. Va
Carson Mfg. Co., Inc., 8-9-10-11	2424 E. 55th St, Indianapolis 20	Ind
Central Transformer Co., 1-2-3-4-5-6-7-8-9-10-11-12	910 W. Jackson Blvd, Chicago	Ill
Chicago Electronic Engineering Co., 3-6-7-8-10	3223 W. Armitage Ave, Chicago 47	Ill
Chicago Magnetic Control Co., 1-2-3-4-5-6-7-8-10-12-13	1616 Damon Ave, Chicago	Ill
CHICAGO STANDARD TRANSFORMER CORP., 2-3-4-6-7-8-11-12, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Clifton Mfg. Co., Inc., 3-5-6-7-8-10	20 N. Springfield Rd, Clifton Heights	Pa
Coast Coil Co., 2-6-7-8-9	5333 W. Washington Blvd, Los Angeles	Cal
Coil Co of America, Inc., 1-2-3-4-5-6-7-8-10-11-12-13	220 Washington St, Northvale	NJ
Coil Winders, Inc., 1-2-3-4-8-11	Ames Ct., Plainview	NY
Columbus Process Co., Inc., 1-3-6-7-8-10	2851 Southeastern Ave, Columbus	Ind
COMMUNICATION ACCESSORIES CO., 1-3-6-7-8 Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
COMPONENTS FOR RESEARCH, INC., 1-2-3-5-6-7-8-13, Adv Pg 494	**979 Commerical St, Palo Alto**	**Cal**
Computer Engineering Associates, Inc., 3	350 N. Halstead St, Pasadena	Cal
Continental X-Ray Corp., 2-3-13	1536 N. Clybourn, Chicago 10	Ill
Control Corp., 1-3-6-5	718 Central Ave, Minneapolis 14	Minn
Cornwell Electronics Corp., 2-3-5-6-7-8	84 S. Water St, Byram	Conn
Crest Transformer Corp., 1-3-5-6-7-10	1834-36 W. North Ave, Chicago 22	Ill
Crittenden Transformer Works, Inc., 1-2-3-5-7-8	13011 S. Spring St, Los Angeles 61	Cal
Cycle Transformer Corp., 2-3-4-5-6-7-8-10-11	354 Glenwood Ave, East Orange	NJ
D & R Ltd., 8	402 E. Gutierrez, Santa Barbara	Cal
DX Radio Products Co., Inc., 3-4-6-7-8-9-11	2300 Armitage Ave, Chicago 47	Ill
DANO ELECTRIC CO., 11, Adv Pg 544	**Main St, Winsted**	**Conn**
Data Products Co., Inc., 8	7320 Westmore Rd, Rockville	Md
DeHavilland Aircraft/Spec. Prods. Div., 8-11	Downsview, Ontario, Canada	
DEL ELECTRONICS CORP., 1-2-3-5-6-7-8-9-11-12-13, Adv Pg 446	**521 Homestead, Mt. Vernon**	**NY**
DIETZ DESIGN, INC., 1-2-6-7, Adv Pg 499	**Grandview 6**	**Mo**
Dinion Coil Co., Inc., 1-2-3-4-5-6-7-8-9-10	Caledonia	NY
Djeco, Div., Djordjevic Engrg Co., 2-5-6-7-8-9-11-12-13	1933 N. Damen, Chicago 47	Ill
Dormeyer Industries, 2-3-5-6-7	3418 N. Milwaukee Ave, Chicago 41	Ill
Dynaco, Inc., 6	3912 Powelton Ave, Philadelphia 4	Pa
EIR Corp., 6	5177 Overland Ave, Culver City	Cal
EMP Electronics Research Labs., Inc., 6-7-8	3131 N. 29th Ave, Phoenix	Ariz
E.P. Electric Products Co., Ltd., 3-5-6-7-8	9720 Waverly St, Montreal 12, Que, Canada	
Eagle Electric Mfg. Co., Inc., 1	23-10 Bridge Plaza S., L.I. City	NY
Ecco High Frequency Corp., 2-3	7020 Hudson Blvd, North Bergen	NJ
Edko Electronics, Inc., 1-2-3-4-5-6-7-8-10-12-13	397 Bedford Ave, Brooklyn 11	NY
Eisler Engineering Co., Inc., 12	751 S. 13 St, Newark 3	NJ
Elcor, Inc., 3	1225 W. Broad St, Falls Church	Va
Electran Mfg. Co., 1-2-3-5-6-7-8-10-12	1909 N. Clybourn, Chicago	Ill
Electrical Windings, Inc., 2-3-4-6-7-10	2015 N. Kolmar, Chicago 39	Ill
Electro Engineering Works, 1-2-3-4-5-6-7-8-10	401 Preda St, San Leandro	Cal
Electro Powerpacs, Inc., 2-3-4-5-6-7-10	5 Hadley St, Cambridge 40	Mass
Electro-Winders Co., Inc., 2-8-9	854 W. Front St, Covina	Cal
Electrodynamic Instrument Corp, 2-3-4-5-6-7-10-13	1841 Old Spanish Trail, Houston 25	Tex
Electronic Assembly Co., Inc., 2-3-6-7-8	5 Prescott St, Roxbury	Mass
ELECTRONIC COILS, INC., 8, Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Electronic Research Associates, Inc., 1-2-3-5-6-8-9	67 Factory Pl, Cedar Grove	NJ
Electronic Transformer Co., 1-2-3-4-5-6-7-8-9-10-11-12-13	70 Washington St, Brooklyn 1	NY
Engineering Associates, 2	434 Patterson Rd, Dayton 19	Ohio
EPCO PRODUCTS INC., 1-3-4-5-6-7-8-10-12, Adv Pg 438	**P.O. Box 298, Wallkill**	**NY**
Essex Electronics Div of Nytronics, Inc., 9	550 Springfield Ave, Berkeley Heights	NJ
EWALD INSTRUMENTS, 12, Adv Pg 548	**Rt 7E, Kent**	**Conn**
FXR, INC., 2-3-4-5-6-7, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Ferro-Magnetics Co., 3-4-5-6-7-9	989 Commercial St, Palo Alto	Cal
Ferrotran Electronic Co., Inc., 6-7	693 Broadway, New York 12	NY
Fisher Engineering, Inc., 1-2-3-4-5-6-7-8-10-13	2060 U.S. 24 E. Box 327, Huntington	Ind
Forbes & Wagner, Inc., 8	345 Central Ave, Silver Creek	NY
Forest Electric Co., 1-2-3-5-6-7-10	7216 Circle Rd, Forest Park	Ill
Foster Transformer Co., 1-2-3-4-5-6-7-8-10	3820 Colerain Ave, Cincinnati 23	Ohio
FREED TRANSFORMER CO., INC., 1-2-3-4-5-6-7-8-10-11, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Galbraith - Pilot Marine Corp., 1-2-3-5-6-7	602 Fourth Ave, Brooklyn	NY
GATES ELECTRONIC CO., 3, Adv Pg 552	**2090 Barnes Ave, Bronx 62**	**NY**
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-2-3-5-6-7-8-11, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., X-Ray Dept., 13	4855 Electric Ave, Milwaukee	Wisc
GENERAL RADIO CO., 9, Adv Pg 285	**West Concord**	**Mass**
General Transformer Co., 1-2-3-4-5-6-7-9-10	18240 Harwood Ave, Homewood	Ill
Geotronic Labs., Inc., 2-3-4-5-6-7-8	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 11-12	4868 N. Clark, Chicago 40	Ill
Goslin Electric & Mfg. Co., 1-2-3-4-5-6-7-8-9-10-11-12-13	2921 W. Olive St, Burbank	Cal
Grand Transformers, Inc., 1-2-3-4-5-6-7-10-11	Hey St, Grand Haven	Mich
Green Rectifier Co., 1-2-3-5-7-8-9-11	1-10 30th St, Fair Lawn	NJ
Grinnel-Harris Electronics, 2-3-6-7-8	4132 Temple City Blvd, Rosemead	Cal

Gulton Industries, Inc., 11	212 Durham Ave, Metuchen	NJ
Hadley Co., Inc., Robert M., 1-3-6-5-8-9-10-11	5112 S. Hoover St, Los Angeles 37	Cal
Harder Co., Donald C., 1-5-6-7-8	2580 K St, San Diego	Cal
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-2-3-4-5-6-7-8-11-13	P.O. Box 978, Garland	Tex
HEWLETT-PACKARD CO., 3-5-6-7, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hindle Transformer Co., Inc., 1-2-3-4-5-6-7-8-12-13	Woods Church Rd, Flemington	NJ
Hisonic, Inc., 8	P.O. Box 534, Shawnee	Kan
Holiday Transformer Co., 1-2-3-4-5-6-7-8-9	2952 N. Sheffield Ave, Chicago	Ill
HUGHEY & PHILLIPS, INC., 3, Adv Pg 525	**3200 N. San Fernando Blvd, Burbank**	**Cal**
Industrial Transformer Corp., 1-2-3-4-5-6-7-8-10-11-12-13	Gouldsboro	Pa
Industron Corp., 2-3-5	55 Needham St, Newton Highlands	Mass
Instrol, Inc., 9	135 E. Dela Guerra, Santa Barbara	Cal
Intercontinental Electronics, 1-3-6-7-11	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 1-2-3-5-6-7-8-11, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
Johnson Electronics, Inc., 8	P.O. Box 1675, Casselberry	Fla
K-V Transformer Corp., 1-2-3-4-5-6-7-8-10-13	20 E. Franklin St, Danbury	Conn
Kenyon Transformer Co., Inc., 1-2-3-4-5-6-7-8	1057 Summit Ave, Jersey City 7	NJ
Keystone Products Co., 2-3-7	904-6 23 St, Union City	NJ
Knopp, Inc., 3-6-7	1307 66 St, Oakland 8	Ill
Kuhnke Electronics, H., 11	Malente/Holstein, Germany	
Kupfrian Mfg. Corp., 2	398 State St, Binghamton	NY
Laboratory for Electronics, Inc., 2-8-9-11	1079 Commonwealth, Boston 15	Mass
Land-Air, Inc., 2-13	7444 W. Wilson Ave, Chicago 31	Ill
Langevin Div., Maxson Corp., W.L., The, 2-3-8-9	475 Tenth Ave, New York 18	NY
Lee Electric, Inc., 1-3-11	566 52 St, West New York	NJ
Lindberg Engineering Co., 8	2450 W. Hubbard St, Chicago	Ill
Liquidometer Corp., 3-8	41-03 36th St, Long Island City 1	NY
Lockheed Electronics Co., Stavid Div., 2	U.S. Hwy 22, Plainfield	NJ
Lumen, Inc., 1-5-6-8	P.O. Box 905, Joliet	Ill
McGregor Electronic Industries, 1-2	McGregor	Iowa
Magnalectric Corp., 2-3-5-6-7	P.O. Box 6008, Tulsa	Okla
Magnatran, Inc., 1-2-3-4-5-12	P.O. Box 211, Kearny	NJ
Magnetic Circuit Elements, Inc., 2-3-8	3722 Park Pl, Montrose	Cal
Magnetic Specialties, Inc., 8	P.O. Box 476, Trenton 3	NJ
Magnetic Windings Div., Essex Wire Corp., 2-3-5-6-8-10-12	Freemansburg at Hobson, Easton	Pa
MANSON LABORATORIES, INC., 2-4, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**
Mara Electronics, Inc., 3-5-6-8-10	44 Court St, Brooklyn 1	NY
Marconi's Wireless Telegraph Co., Ltd., 8	750 Third Ave, New York 17	NY
Melco Products, Inc., 1-2-3-4-5-6-7-12	301 Fifth Ave S., Minneapolis 15	Minn
Mercury Transformer Corp., 1-2-3-4-5-6-7-8-10	12964 Panama St, Los Angeles 66	Cal
Merit Coil & Transformer Corp., 2-3-4-6-7-9-10	2027 Sherman St, Hollywood	Fla
MICRODOT, INC., 2-6-7, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Micromag Instrument Corp., 8-11	115 Halleck St, Roxbury	Mass
MICROTRAN CO., INC., 2-3-4-6-7-8-10, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Mid-West Coil & Transformer Co., 1-2-3-4-6-7-8-9-10-11-12-13	1642 N. Halstead St, Chicago 14	Ill
Midwest Electric Products, 1	1517 N. Front St, Mankato	Minn
Minitran Corp., 1-2-3-4-5-6-7-8-9-10-11	5 Oliver St, Newark 2	NJ
MOLONEY ELECTRIC CO., 1-2-3-4-5-7-8-12, Adv. Pgs. 258, 259	**5390 Bircher Blvd, St. Louis 20**	**Mo**
Mt. Vernon Prec Transformer Co., 1-3-5-6-8-9-10-11-12-13	47 S. 3rd Ave, Mt. Vernon	NY
Multi-Products Co., 2	21470 Coolidge Hwy, Oak Park	Mich
National Coil Co., 1-2-7-8-11	P.O. Box 1237, Sheridan	Wyo
NEW ENGLAND TRANSFORMER CO., 1-3-4-5-6-7-8-10, Adv Pg 523	**47 McGrath Hwy, Somerville**	**Mass**
Newport Scientific Co., 1-2-3-4-5-6-7-8-10-11	638 W. 17th St, Costa Mesa	Cal
New York Coil Co., Inc., 1-2-3-5-6-8-11	Phoenixville 12	Pa
New York Transformer Co., Inc., 1-2-3-4-5-6-7-8-10-11	Third Ave, Alpha	NJ
Nothelfer Winding Labs., Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13	P.O. Box 445, Trenton 3	NJ
Oaktron Electric Co., 8	Tinley Park	Ill
Ohmite Mfg. Co., 9	3601 Howard St, Skokie	Ill
Ortho Filter Corp., 1-2-3-4-5-6-7-8	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 1-2-3-5-6-7-8-10-12	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 1-2-3-5-6-7-8-9-10-11	712 S.E. Hawthorne Blvd, Portland 14	Ore
Osborne Transformer Corp., 1-2-3-4-5-6-7-8	3834 Mitchell Ave, Detroit 7	Mich
OXFORD ELECTRIC CORP., 3-5-7-10, Adv Pg 556	**3911 S. Michigan Ave, Chicago 53**	**Ill**
Pacific Magnetic Corp., 2-3-6-7-8	Electronic Center, Romoland	Cal
Palo Alto Engineering Co., 1-2-3-4-5-6-7-8-10-11	620 Page Mill Rd, Palo Alto	Cal
Pearson Electronics, Inc., 4	707 Urban Ln, Palo Alto	Cal
Permoflux Products Co., 3-5-7	4101 San Fernando Rd, Glendale	Cal
PESCHEL ELECTRONICS, INC.,2, Adv Pg 342	**Rt. 216, Towners, Patterson**	**NY**
Philips Electronic Instruments, 13	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V., 12	Eindhoven, Netherlands	
Picker X Ray Corp., 2-5-6-13	25 S. Broadway, White Plains	NY
Polyphase Instrument Co., 3-4-7-8	E. Fourth St, Bridgeport	Pa
Power Equipment Co., 3-5-6-7-8-11	Portland Way N., Galion	Ohio
Power Industries Co., 10	2655 W. 19th St, Chicago 16	Ill
PRECISE MEASUREMENTS CO., 1-2-3-5-10-13, Adv Pg 204	**R. D. 1, Millbrooks, Flemington**	**NJ**
Precision Electronics, 2-3-4-5-6-7-8-9-10	427 Plain St, Marshfield	Mass
Precision Electronics, Inc., 1-2-3-4-5-6-7-8-9-10-11-13	48 Merrick Rd, Rockville Centre	NY
Prototype Transformer Corp., 1-2-3-4-5-6-7-10-12-13	1 Henry St, Bloomfield	NJ
Pulse Engineering, Inc., 7	560 Robert Ave, Santa Clara	Cal
R. K. Mfg. Co., 2-3-4-6-7-10	P.O. Box 98, Carterville	Ill
Radio Engineering Labs., Inc., 2-5	29-01 Borden Ave, Long Island City 1	NY
Ram Electronics, Inc., 1-2-3-5-6-7-8-9-13	600 Industrial Ave, Paramus	NJ
Ramyr Mfg. Co., 3-11	1779 N. Main St, Los Angeles 31	Cal
Raytheon Co. Commercial Appar. & Sys Div., 2-3-5-6-7-8-11-12	100 River St, Waltham	Mass
Rola Co., Div., Muter Co., 3-4-5-6-7-10	2530 Superior Ave, Cleveland 14	Ohio
Rytron Co., Inc., 1-3-7-8-11	7301 Lankershim Blvd, North Hollywood	Cal
S N C Mfg. Co., Inc., 2-3-6-8-10-11-12-13	P.O. Box 277, Oshkosh	Wisc
Sangamo Electric Co., 1-2-3-4-7-8-13	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 3-4-5-6-7-8-11 Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Sciaky Bros., Inc., 2-12	4915 W. 67th St, Chicago 38	Ill
Servomechanisms, Inc., 1-2-3-4-5-6-7-8-10-11	12500 Aviation Blvd, Hawthorne	Cal
Shawmut Engineering Co., 8	195 Freeport St, Boston	Mass
Signal Transformer Co., 1-2-3-4-5-6-7-8	1661 McDonald Ave, Brooklyn 30	NY
Simpson Mfg. Co., Inc., Mark, 3	32-28 49th St, Long Island City 3	NY
SOLA ELECTRIC CO., 11, Adv. Pgs. 233-236	**4633 W. 16th St, Chicago 50**	**Ill**
Sparton Corp., 1-2-3-4-5-6-7-8-9-11	2400 E. Ganson St, Jackson	Mich
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4-5-6-7-8-9-11-12	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2-8-11	63 Aldwych, London W. C. 2	Eng
Stanley Transformer Co., 1-2-3-4-5-6-7-8-10-11-12	31-23 Vernon Blvd, Long Island City	NY
STERLING TRANSFORMER CORP., 2-3-4-5-6-7-8-10-11, Adv Pg 457	**510 Driggs Ave, Brooklyn**	**NY**
Superior Electric Co., 6-9	83 Laurel St, Bristol	Conn
Sylvania Photolamp & Special Products, 1-2-3-4-5-6-7-8-10-11-12-13	60 Boston St, Salem	Mass
Taylor-Winfield Corp., 12	1056 Mahoning, N.W., Warren	Ohio
TECHNICAL APPARATUS BUILDERS, 2-3-5-6, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TELECTRO INDUSTRIES CORP., 2-4, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telex, Inc., 6	Telex Park, St. Paul 1	Minn
Tenco Electronics, Inc., 6-7-8	811 Boylston St, Boston	Mass
Thermador Electrical Mfg. Co., 2-3-4-5-6-7-8-9-11	715 S. Raymond Ave, Alhambra	Cal
Thor Transformer & Elecs Div., 1-2	752 San Antonio Rd, Palo Alto	Cal
Thordarson-Meissner Mfg. Co., 1-2-3-4-5-6-7-8-9-10-11-12-13	7th & Belmont Ave, Mt. Carmel	Ill
TODD ELECTRIC CO., INC., 2-3-4-5-6-7-8-9-10, Adv Pg 456	**6 Brook St, Yonkers**	**NY**
Toroids Unlimited Inc., 1-2-3-4-5-6-7-8-10	3830 Terrace St, Philadelphia 28	Pa
TOROTEL, INC., 1-3-4-6-7-8, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 3-4-6-7-8, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Toyo Trading Co., Ltd., 9	P.O. Box 999, Central Tokyo	Japan
Tracerlab, Inc., 13	1601 Trapelo Rd, Waltham 54	Mass
Transformer Design, Inc of Milwaukee, 1-2-3-4-5-6-7-8-10-12-13	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 1-2-3-4-5-6-7-8-12-13	285 N. Halstead Ave, Pasadena	Cal
Transformer Specialty Co., 3-5-6-7-8	1400 Mill Creek Rd, Gladwyne	Pa
Transformers, Inc., 1-2-3-4-5-6-7-8-10	200 Stage Rd, Vestal	NY
Transonic, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13	808 16th St, Bakersfield	Cal
TRENTON TRANSFORMER CORP., 1-2-3-5-6-7-9-12, Adv Pg 541	**P.O.Box 568B, Trenton**	**NJ**
Tresco, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13	3824 Terrace St, Philadelphia 28	Pa
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 2-3-4-5-6-7-10, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Trindl Products Ltd., 12	1807 S. Clark St, Chicago	Ill
Union Electric & Mfg. Corp., 1-2-3-4-6-7-8-10	1057 Summit Ave, Jersey City	NJ
Universal Toroid Coil Winding, Inc., 1-8	171EB Coit St, Irvington	NJ
Utrad Corp., Div., Litton Ind., 1-2-3-4-5-6-7	305 N. Briant, Huntington	Ind
VARO MFG. CO., INC., 1-2-3-4-5-6-7-8-9-10-11, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vernistat Div., Perkin-Elmer Corp., 3-9	769 Main Ave, Norwalk	Conn
Vibration Research Labs., Inc., 2-10-11	58 Marbledale Rd, Tuckahoe	NY
Virginia Electronics Co., Inc., 2-3-4-5-6-7	5209 River Rd, Washington 16	DC
Wahlgren Magnetics, Div., Marshall Ind., 1-3-4-7-8-10-11	1900 Walker Ave, Monrovia	Cal
WESTINGHOUSE ELECTRIC CORP., 2-3-4-5-6-7-8-13, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2-3-4-5-6-7-8-10, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Wiegand Mfg. Co., 8	130 E. Hawthorne Ave, Valley Stream	NY
Workman TV Products, Inc., 1-2-3-5-6-10	P.O. Box 5397, Sarasota	Fla
X-Ray Products Corp., 13	7829 Industry Ave, Pico-Rivera	Cal
Zenith Radio Corp., 6	6001 Dickens Ave, Chicago 39	Ill

TRANSFORMERS —*IRON-CORE & FERRITE-CORE, SPECIAL*

1. FOIL-WOUND 2. INSTRUMENT 3. PRECISION-MATCHED 4. PRECISION VOLTAGE-DIVIDING 5. PULSE 6. TV, HORIZONTAL DEFLECTION (FLYBACK) 7. TV, VERTICAL DEFLECTION (DIFFERENTIAL)

AC Electronics, Inc., 1-2-3-4-5-6-7	11725 Mississippi Ave, Los Angeles 25	Cal
ACDC ELECTRONICS, INC., 2-3-4-5, Adv Pg 453	**2979 N. Ontario St, Burbank**	**Cal**
ADC, INC., 1-2-3-4-5, Adv Pg 217	**2833 13 Ave S., Minneapolis 7**	**Minn**
ACME ELECTRIC CORP., 1, Adv Pg 511	**Water St, Cuba**	**NY**
Acro Products Co., 2	410 Shurs Ln, Philadelphia 28	Pa
Advance Ross Electronics Corp., 6-7	2538 Peterson Ave, Chicago 45	Ill
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 2-5, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Aladdin Electronics Div of Aladdin Industries Inc., 5	711 Murfreesboro Rd, Nashville 10	Tenn
AMP, INC., 1-5, Adv. Pgs. 158, 159	**Eisenhower Blvd, Harrisburg**	**Pa**
Annis Co., R.B., 2	1101 N. Delaware St, Indianapolis	Ind
Arco Transformer & Electric Co., 2-3-7	1602 S. Hanna St, Fort Wayne	Ind
Artronic Instrument Co., 5	11232 Triangle Ln, Silver Spring	Md
Artted Co., Inc., 5	367 Worthington St, Springfield 3	Mass
Astrosystems Inc., 2-3-4	220 E. 23rd St, New York 10	NY
Atlas Coil, Inc., 1-2-3-4-5	63 Main St, Ansonia	Conn
ATLAS ENGINEERING CO., 1-2-3-4-5, Adv Pg 494	**176 Blue Hill Ave, Roxbury**	**Mass**
Ballastran, Div., Telex, Inc., 5	1701 N. Calhoun St, Ft. Wayne 7	Ind
Barwood Electronics, Inc., 2	120 S. Maryland Ave, Glendale 5	Cal
Bell Aircraft Corp., 5	P.O. Box 1, Buffalo 5	NY
Berkshire Laboratories, 5	580 Bank Village, Greenville	NH
Bitterman Electric Co., Inc., 1-2-3-5	P.O. Box 1877, Canaan	Conn
Blackburn Electronic Corp., 2-3-4-5	55 W. 7th St, Wyoming	Pa
Bush Transformer Corp., 1-2-3-4-5	707 North St, Endicott	NY
CBC ELECTRONICS CO., INC., 5, Adv Pg 434	**2601 N. Howard St, Philadelphia 33**	**Pa**
C.G.S. Labs., Inc., 3	Rt 7, Wilton	Conn
Caledonia Electronics & Transformer Co., 3-4-5	Caledonia	NY
California Magnetic Control Corp., 1-2-3-4-5-6-7	11922 Valerio St, North Hollywood	Cal
Campbell Co., Inc., Colin, 2-3-4-5	Miry Brook Rd, Danbury	Conn
Canadian Aviation Electronics Ltd., 5	6214 Cote de Liesse Rd, Montreal 9, Canada	
Canadian Marconi Co., 3-5-7	2444 Trenton Ave, Montreal, Canada	
Carad Corp., 3-4-5	2850 Bay Rd, Redwood City	Cal
Carol Electronics Corp., 3	315 W. Stephen St, Martinsburg	W. Va
Central Transformer Co., 1	910 W. Jackson Blvd, Chicago	Ill
Chicago Electronic Engineering Co., 2-3-4	3223 W. Armitage Ave, Chicago 47	Ill
Chicago Magnetic Control Co., 2-3-4	1616 Damon Ave, Chicago	Ill

CHICAGO STANDARD TRANSFORMER CORP., 5-6-7, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
CLEGG LABS., DIV., CLEGG, INC., 2-5-4-13-15-16, Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
Coast Coil Co., 3-4	5333 W. Washington Blvd, Los Angeles	Cal
Coil Co of America, Inc., 1-3-4-5-6-7	220 Washington St, Northvale	NJ
Coilcraft, Inc., 5	Cary	Ill
Coldstream Engineering Co., 3	P.O. Box 1893, Tulsa	Okla
G. L. Collins Corp., 4	2820 E. Hullet St, Long Beach 5	Cal
Columbus Process Co., Inc., 2-7	2851 Southeastern Ave, Columbus	Ind
COMMUNICATION ACCESSORIES CO., 1-3-4-5, Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
COMPONENTS FOR RESEARCH, INC., 2-4, Adv Pg 494	**979 Commercial St, Palo Alto**	**Cal**
Cornwell Electronics Corp., 1	84 S. Water St, Byram	Conn
Crittenden Transformer Works, Inc., 1-4	13011 S. Spring St, Los Angeles 61	Cal
Cycle Transformer Corp., 2-4-5	354 Glenwood Ave, East Orange	NJ
D & R Ltd., 1-3-4	402 E. Gutierrez, Santa Barbara	Cal
DX Radio Products Co., Inc., 2-5-6	2300 Armitage Ave, Chicago 47	Ill
DANO ELECTRIC CO., 6, Adv Pg 544	**Main St, Winsted**	**Conn**
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 4, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
Developmental Electronics Corp., 3-5	4213 S. Broadway, Los Angeles	Cal
Dinion Coil Co., Inc., 1-5-7	Caledonia	NY
Djeco, Div., Djordjevic Engrg Co., 2-3-4-5	1933 N. Damen, Chicago 47	Ill
EIR Corp., 2-4	5177 Overland Ave, Culver City	Cal
EMP Electronics Research Labs., Inc., 5	3131 N. 29th Ave, Phoenix	Ariz
ESC CORP., 5, Adv Pg 98	**534 Bergen Blvd, Palisades Park**	**NJ**
Edko Electronics, Inc., 2	397 Bedford Ave, Brooklyn 11	NY
Elcor, Inc., 2	1225 W. Broad St, Falls Church	Va
Electran Mfg. Co., 2	1909 N. Clybourn, Chicago	Ill
Electro Powerpacs, Inc., 5	5 Hadley St, Cambridge 40	Mass
Electro-Winders Co., Inc., 3-5	854 W. Front St, Covina	Cal
Electrodynamic Instrument Corp., 2-3-4	1841 Old Spanish Trail, Houston 25	Tex
ELECTRONIC COILS, INC., 3-4-5, Adv Pg 506	**P.O. Box 1665, 33 Lyman St, Springfield**	**Mass**
Electronic Components Div., Telecomputing Corp., 2-3-4-5	14706 Arminta St, Van Nuys	Cal
Electronic Transformer Co., 1-2-3-4-5	70 Washington St, Brooklyn 1	NY
El-Rad Mfg. Co., 5	4300 N. California Ave, Chicago 18	Ill
Epic, Inc., 2	150 Nassau St, New York 38	NY
ERIE RESISTOR CORP., 5, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Ferro-Magnetics Co., 2-3-4-5	989 Commercial St, Palo Alto	Cal
Fisher Engineering, Inc., 4-5	2060 U.S. 24 E. Box 327, Huntington	Ind
Forbes & Wagner, Inc., 5-6	345 Central Ave, Silver Creek	NY
Foster Transformer Co., 2-5	3820 Colerain Ave, Cincinnati 23	Ohio
FREED TRANSFORMER CO., INC., 2-3-4-5, Adv Pg 526	**1736 Weirfield St, Brooklyn 27**	**NY**
Fugle-Miller Laboratories, Inc., 2-3-4	301 Central Ave, Clark	NJ
General Coil Products Corp., 2	147-12 Liberty Ave, Jamaica 35	NY
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 4-5, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
Genistron, Inc., 2-3-5	6320 W. Arizona Circle, Los Angeles 45	Cal
Geotronic Labs., Inc., 2-3	1314 Cedar Hill Ave, Dallas 8	Tex
Gerst & Co., Paul E., 1	4868 N. Clark, Chicago 40	Ill
Gertsch Products, Inc., 3-4	3211 S. La Cienega, Los Angeles 16	Cal
Goslin Electric & Mfg. Co., 1-2-3-4-5	2921 W. Olive St, Burbank	Cal
Grand Transformers, Inc., 4	Hey St, Grand Haven	Mich
GRAY & KUHN, 3-4-5, Adv Pg 473	**80 Swalm St, Westbury**	**NY**
Gudeman Co., The, 5	340 W. Huron St, Chicago 10	Ill
Hadley Co., Inc., Robert M., 1-2-3-4-5	5112 S. Hoover St, Los Angeles 37	Cal
Hamilton Watch Co., Industrial Div., 5	Lancaster	Pa
Harder Co., Donald C., 5	2580 K St, San Diego	Cal
Hermetic Seal Transformer Co., Div., Dresser Industries Co., 1-3-4-5	P.O. Box 978, Garland	Tex
HEWLETT-PACKARD CO., 4, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hisonic, Inc., 4	P.O. Box 534, Shawnee	Kan
Holiday Transformer Co., 2-5	2952 N. Sheffield Ave, Chicago	Ill
IMC MAGNETICS CORP., 5, Adv Pg 186	**570 Main St, Westbury**	**NY**
Industrial Transformer Corp., 1-2-3-4-5	Gouldsboro	Pa
Intercontinental Electronics, 5	1551 Franklin Ave, Mineola	NY
INTERELECTRONICS CORP., 2-3-4, Adv Pg 515	**2432 Grand Concourse, New York 58**	**NY**
James Electronics Inc., 2-3-4-5	4050 N. Rockwell St, Chicago 18	Ill
Johnson Electronics, Inc., 5	P.O. Box 1675, Casselberry	Fla
K-V Transformer Corp., 1-2-3-4-5	20 E. Franklin St, Danbury	Conn
Kupfrian Mfg. Corp., 1-2-3	398 State St, Binghamton	NY
Laboratory for Electronics, Inc., 5	1079 Commonwealth, Boston 15	Mass
Landis & Gyr, Inc., 2	45 W. 45 St, New York 36	NY
Levinthal Electronic Products, Inc., 5	3180 Hanover St, Palo Alto	Cal
Liquidometer Corp., 2-3-4	41-03 36th St, Long Island City 1	NY
Lockheed Electronics Co., Stavid Div., 5	U.S. Hwy 22, Plainfield	NJ
Lumen, Inc., 2-3-4	P.O. Box 905, Joliet	Ill
Luther Electronic Mfg. Co., 5	5728 W. Washington Blvd, Los Angeles 16	Cal
McGregor Electronic Industries, 2-5	McGregor	Iowa
Magnalectric Corp., 2-3-4-5	P.O. Box 6008, Tulsa	Okla
Magnetic Circuit Elements, Inc., 4-5	3722 Park Pl, Montrose	Cal
Magnetic Specialties, Inc., 2	P.O. Box 476, Trenton 3	NJ
Melco Products, Inc., 5	301 Fifth Ave S., Minneapolis 15	Minn
Merit Coil & Transformer Corp., 5-6-7	2027 Sherman St, Hollywood	Fla
MICRODOT, INC., 5, Adv Pg 407	**220 Pasadena Ave, South Pasadena**	**Cal**
Micromag Instrument Corp., 2-4	115 Halleck St, Roxbury	Mass
Micropulse Engineering, 5	1122 W. Magnolia, Burbank	Cal
Microsecond Electronics, Inc., 5	3213 E. Washington, Phoenix	Ariz
MICROTRAN CO., INC., 2-3-4-5, Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Mid-West Coil & Transformer Co., 5-7	1642 N. Halstead St, Chicago 14	Ill
Midwest Electric Products, 2	1517 N. Front St, Mankato	Minn
Minitran Corp., 2-3-4	5 Oliver St, Newark 2	NJ
MOLONEY ELECTRIC CO., 5, Adv. Pgs. 258, 259	**5390 Bircher Blvd, St. Louis 20**	**Mo**
Muter Co., 5	1255 S. Michigan, Chicago 5	Ill
National Coil Co., 2-4	P.O. Box 1237, Sheridan	Wyo
National Moldite Co., 7	250 South St, Newark 5	NJ
NEW ENGLAND TRANSFORMER CO., 1-5, Adv Pg 523	**47 McGrath Hwy, Somerville**	**Mass**
Newport Scientific Co., 2-3-4-5	638 W. 17th St, Costa Mesa	Cal
New York Coil Co., Inc., 5	Phoenixville 12	Pa
New York Transformer Co., Inc., 2-3-4-5	Third Ave, Alpha	NJ
NORTH ATLANTIC INDUSTRIES, INC., 4, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
NORTH HILLS ELECTRIC CO., INC., 1-5, Adv. Pgs. 356, 438, 524	**Glen Cove**	**NY**
Nothelfer Winding Labs., Inc., 2-3-4-5	P.O. Box 455, Trenton 3	NJ
Oaktron Electric Co., 3	Tinley Park	Ill
Ortho Filter Corp., 2-3-4	7 Paterson St, Paterson	NJ
Osborne Electric Co., Ltd., 1-2-3-4	95 Wesley St, Toronto 18, Ontario, Canada	
Osborne Electronic Sales Corp., 3-4-5	712 S.E. Hawthorne Blvd, Portland 14	Ore
Osborne Transformer Corp., 2	3834 Mitchell Ave, Detroit 7	Mich
PCA ELECTRONICS, INC., 5, Adv Pg 489	**16799 Schoenborn St, Sepulveda**	**Cal**
Pacific Magnetic Corp., 2-3-4-5	Electronic Center, Romoland	Cal
Palo Alto Engineering Co., 2-3-4-5	620 Page Mill Rd, Palo Alto	Cal
Pearson Electronics, Inc., 2-5	707 Urban Ln, Palo Alto	Cal
Penn Tran Corp., 6	Bellefonte	Pa
Polyphase Instrument Co., 1-2-3-4-5	E. Fourth St, Bridgeport	Pa
Power Industries Co., 1-2-3-4-5	2655 W. 19th St, Chicago 16	Ill
Precision Electronics, 2-3-4	427 Plain St, Marshfield	Mass
Precision Electronics, Inc., 2-3-4	48 Merrick Rd, Rockville Centre	NY
Prototype Transformer Corp., 2-3-4-5	1 Henry St, Bloomfield	NJ
Pulse Engineering, Inc., 5	560 Robert Ave, Santa Clara	Cal
R. K. Mfg. Co., 2-3-4-7	P.O. Box 98, Carterville	Ill
Ram Electronics, Inc., 2-3-5-6-7	600 Industrial Ave, Paramus	NJ
Raypar, Inc., 6	7800 W. Addison St, Chicago	Ill
Raytheon Co. Commercial Appar. & Systems Div., 3-5	100 River St, Waltham	Mass
REDMAN ELECTRONICS CORP., 5, Adv Pg 520	**P. O. Box 72, Thompsonville**	**Conn**
Rola Co., Div., Muter Co., 6-7	2530 Superior Ave, Cleveland 14	Ohio
Rytron Co., Inc., 2-3-4-5	7301 Lankershim Blvd, North Hollywood	Cal
S.G. Smallwood Ltd., 6	391 King St E., Kitchener, Canada	
Sangamo Electric Co., 3-5	1201 N. 11 St, Springfield	Ill
SATURN ELECTRONICS CORP., 2-3-5, Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Servomechanisms, Inc., 2-3-4	12500 Aviation Blvd, Hawthorne	Cal
Shawmut Engineering Co., 1-5	195 Freeport St, Boston	Mass
Sickles F.W., Div., General Instrument Corp., 6	165 Front St, Chicopee	Mass
Signal Transformer Co., 1-3-4-5	1661 McDonald Ave, Brooklyn 30	NY
Southwestern Ind. Electronics Co., 2-3	10201 Westheimer Rd, Houston 19	Tex
Sparton Corp., 5	2400 E. Ganson St, Jackson	Mich
Sprague Electric Co., 5	125 Marshall St, North Adams	Mass
Standard Electronics Div., Reeves Instrument Corp., 3-4-5	Lakewood Rd, Farmingdale	NJ
Stanley Transformer Co., 1-2-5	31-23 Vernon Blvd, Long Island City	NY
STERLING TRANSFORMER CORP., 2-3-5, Adv Pg 457	**510 Driggs Ave, Brooklyn**	**NY**
Sylvania Photolamp & Special Prods 1-2-3-4-6-7	60 Boston St, Salem	Mass
Technitrol Engineering Co., 5	1952 E. Allegheny Ave, Philadelphia 34	Pa
Telex, Inc., 5	Telex Park, St. Paul 1	Minn
Tenco Electronics, Inc., 2-3-4-5	811 Boylston St, Boston	Mass
Thermador Electrical Mfg. Co., 2-5	715 S. Raymond Ave, Alhambra	Cal
Thordarson-Meissner Mfg. Co., 1-2-3-4-5-6-7	7th & Belmont Ave, Mt. Carmel	Ill
TODD ELECTRIC CO., INC., 2-5-7, Adv Pg 456	**6 Brook St, Yonkers**	**NY**
Toroidal Components Co., 5	1374 E. Walnut St, Pasadena	Cal
TOROTEL, INC., 1-4-5, Adv Pg 529	**5512 E. 110 St, Kansas City 37**	**Mo**
TORWICO ELECTRONICS, INC., 2-4, Adv. Pgs. 402, 403	**1090 Morris Ave, Union**	**NJ**
Transformer Design, Inc of Milwaukee, 1-2-3-4-5	7377 N. 76th St, Milwaukee 23	Wisc
Transformer Engineers, 2-3-4-5	285 N. Halstead Ave, Pasadena	Cal
Transformers, Inc., 1-2-3-4-5	200 Stage Rd, Vestal	NY
Translite Electronics Corp., 6	5720 W. Armitage Ave, Chicago 39	Ill
Transonic, Inc., 1-2-3-4-5	808 16th St, Bakersfield	Cal
TRENTON TRANSFORMER CORP., 2, Adv Pg 541	**P.O. Box 568B, Trenton**	**NJ**
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 2-3-4-5-6-7, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Universal Mfg. Co., Inc., 6-7	1168EB Grove St, Irvington 11	NJ
Universal Toroid Coil Winding, Inc., 3-4-5	171EB Coit St, Irvington	NJ
Utrad Corp., Div., Litton Ind., 2-3-4-5	305 N. Briant, Huntington	Ind
Valor Instruments, Inc., 5	13214 Crenshaw Blvd, Gardena	Cal
VARO MFG. CO., INC., 2-3-4-5, Adv Pg 373	**2201 Walnut St, Garland**	**Tex**
Vernistat Div., Perkin-Elmer Corp., 4	769 Main Ave, Norwalk	Conn
Vibration Research Labs., Inc., 5	58 Marbledale Rd, Tuckahoe	NY
Virginia Electronics Co., Inc., 1-2-4	5209 River Rd, Washington 16	DC
Wahlgren Magnetics, Div., Marshall Inc., 3-5	1900 Walker Ave, Monrovia	Cal
Warsaw Coil Co., 6	Warsaw	Ind
WESTINGHOUSE ELECTRIC CORP., 1-5, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 2-3-4-5, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
Winston Electronics, Div., Jetronic Ind., Inc., 3-6	4000 N.W. 28th St, Miami 42	Fla
Wright-Zimmerman, Inc., 6	New Brighton, St. Paul 12	Minn

TRANSFORMERS —*MATRIX*

AC Electronics, Inc	11725 Mississippi Ave, Los Angeles 25	Cal
Bitterman Electric Co., Inc	P.O. Box 1877, Canaan	Conn
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
COMMUNICATION ACCESSORIES CO., Adv Pg 271	**Hwy 50 & 71 ByPass, Lee's Summit**	**Mo**
Djeco, Div., Djordjevic Engrg Co	1933 N. Damen, Chicago 47	Ill
K-V Transformer Corp	20 E. Franklin St, Danbury	Conn
Magnetics Research Co	255 Grove St, White Plains	NY
MICROTRAN CO., INC., Adv Pg 519	**145 E. Mineola Ave, Valley Stream**	**NY**
Mid-West Coil & Transformer Co	1642 N. Halstead St, Chicago 14	Ill
Ortho Filter Corp	7 Paterson St, Paterson	NJ
Precision Electronics, Inc	48 Merrick Rd, Rockville Centre	NY
Thordarson-Meissner Mfg. Co	7th & Belmont Ave, Mt. Carmel	Ill
Transformer Design, Inc of Milwaukee	7377 N. 76th St, Milwaukee 23	Wisc
Valor Instruments, Inc	13214 Crenshaw Blvd, Gardena	Cal
Wiegand Mfg. Co	130 E. Hawthorne Ave, Valley Stream	NY

TRANSFORMERS —*MICROWAVE*

ADAMS-RUSSELL CO., INC., Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
Aircom, Inc	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
Atlas Coil, Inc	63 Main St, Ansonia	Conn
Basler Electric Co	P.O. Box 269, Highland	Ill
Bitterman Electric Co., Inc	P.O. Box 1877, Canaan	Conn
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
California Magnetic Control Corp	11922 Valerio St, North Hollywood	Cal
Central Transformer Co	910 W. Jackson Blvd, Chicago	Ill
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Dorne & Margolin, Inc	29 New York Ave, Westbury	NY
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**

Industrial Transformer Corp.	Gouldsboro	Pa
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Intercontinental Electronics	1551 Franklin Ave, Mineola	NY
K-V Transformer Corp	20 E. Franklin St, Danbury	Conn
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Merit Coil & Transformer Corp	2027 Sherman St, Hollywood	Fla
Merrimac Research & Development, Inc	517 Lyons Ave, Irvington	NJ
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
Microwave Development Labs. Inc	92 Broad St, Babson Park 57	Mass
Mid-West Coil & Transformer Co	1642 N. Halstead St, Chicago 14	Ill
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Rantec Corp	23999 Ventura Blvd, Calabasas	Cal
STERLING TRANSFORMER CORP., Adv Pg 457	**510 Driggs Ave, Brooklyn**	**NY**
Thordarson-Meissner Mfg. Co	7th & Belmont Ave, Mt. Carmel	Ill
Transformer Design, Inc of Milwaukee	7377 N. 76th St, Milwaukee 23	Wisc
UNITED TRANSFORMER CO., Adv Pg 2nd Cover, 1, 2	**150 Varick St, New York 13**	**NY**
Valor Instruments, Inc	13214 Crenshaw Blvd, Gardena	Cal
Waveline, Inc	P.O. Box 718, Caldwell	NJ

TRANSFORMERS —*TOROIDAL* See TOROIDS
TRANSFORMER WINDINGS See COILS —*WINDINGS ONLY*
TRANSIENT RECORDERS See OSCILLOGRAPHS
TRANSISTOR ANALYZERS See TESTERS —*TRANSISTOR*
TRANSISTOR AUTO RADIOS See RECEIVERS —*RADIO, ENTERTAINMENT*
TRAINSISTOR BASES See BASES —*DIODE & TRANSISTOR*
TRANSISTOR CASES See CASES —*DIODE & TRANSISTOR*
TRANSISTOR CIRCUIT DEMONSTRATORS See DEMONSTRATORS
TRANSISTOR COEFFICIENT BRIDGES See BRIDGES
TRANSISTOR CURVE TRACERS See TRACERS —*TRANSISTOR CURVE*
TRANSISTOR HEADERS *(BASES)* See BASES —*DIODE & TRANSISTOR*
TRANSISTOR HEAT SINKS See SINKS
TRANSISTORIZED EQUIPMENT See *PRODUCT HAVING DESIRED FUNCTION*
TRANSISTOR MANUFACTURING MACHINES See MACHINES —*DIODE & TRANSISTOR MANUFACTURING*
TRANSISTOR PORTABLES See RECEIVERS —*RADIO ENTERTAINMENT*

TRANSISTORS
1. GERMANIUM 2. GERMANIUM, POWER 3. PHOTO 4. SILICON 5. SILICON, POWER 6. SWITCHING 7. TETRODE See Also RECTIFIERS — *SEMICONDUCTOR, CONTROLLED*

AMPEREX ELECTRONIC CORP., 1-2-3-4-5-6, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
BENDIX AVIATION CORP., SEMICONDUCTOR PRODUCTS, RED BANK DIV., 1-2-6, Adv Pg 268	**201 Westwood Ave, Long Branch**	**NJ**
Britton Electronics Corp., 4-5	19 Warren Pl, Mt. Vernon	NY
CBS ELECTRONICS, DIV., CBS, INC., 1-2-6, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Clare Transistor Corp., C.P., 1-6	260 Glen Head Rd, Glen Head	NY
CLEVITE TRANSISTOR PRODUCTS, 1-2-6, Adv Pg 165	**241 Crescent St, Waltham 54**	**Mass**
Computing Devices of Canada, Ltd., 1-2-4-5	P.O. Box 508, Ottawa, Ontario, Canada	
CORNELL-DUBILIER ELECTRIC CORP., 1, Adv Pg 321	**South Plainfield**	**NJ**
Crystalonics, Inc., 4-6	249 Fifth St, Cambridge	Mass
Delco Radio Div, GMC., 2	700 E. Firmin St, Kokomo	Ind
Djeco, Div., Djordjevic Engrg Co., 2-5-6	1933 N. Damen, Chicago 47	Ill
Ebauches S.A., Dept of Semiconducteurs, 1-3	Faubourg Hopital 1, Neuchatel, Suisse	
Electronic Computer Co., Inc., 6	618 Maple St, Conshohocken	Pa
FAIRCHILD SEMICONDUCTOR CORP., 4-5-6, Adv Pg 440	**545 Whisman Rd, Mountain View**	**Cal**
General Electric Co., Semiconductor Products Dept., 1-4-6-7	Charles Bldg, Liverpool	NY
G.E. Co., Ltd of England, 1-2-4-5-6	80 Shore Rd, Port Washington	NY
General Transistor Corp., 1-3-4-6	91-27-138th Pl, Jamaica 35	NY
Great Eastern Mfg. Co., 1-2-3-4-5-6-7	163 Remsen Ave, Brooklyn 12	NY
Hoffman Electronics, Semiconductor Div., 4-5-6	1001 N. Arden Dr, El Monte	Cal
Hughes Microwave Components Div., 4	Florence & Teale, Culver City	Cal
HUGHES SEMICONDUCTOR DIV., 4-5-6, Adv. Pgs. 150, 151	**P.O. Box 278, Newport Beach**	**Cal**
Industro Transistor Corp., 1-4-6	35-10 36th Ave, Long Island City 6	NY
Instrument Systems Corp., 1-2-4-5	129-07 18th Ave, College Point 56	NY
Intermetall Div., Clevite Corp., 1-4-6	Dusseldorf/West Germany	
International Electronics Corp., (Mullard Equipment), 1-3-4-5-6	81 Spring St, New York 12	NY
Minn-Honeywell, Semiconductor Div., 1-2-4-5-6-7	1015 S. 6th St, Minneapolis 4	Minn
MOTOROLA INC., SEMICONDUCTOR PRODUCTS DIV., 1-2-4-6, Adv Pg 359	**5005 E. McDowell Rd, Phoenix**	**Ariz**
MULLARD OVERSEAS, LTD., 1-2-3-4-5-6, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Networks Electronic Corp., 1-2-4-5-6	14806 Oxnard St, Van Nuys	Cal
Newmarket Transistors, Ltd., 1-2-6	Exning Rd, Newmarket, Suffolk, England	
Nippon Electric Co., Ltd., 1-2-3-4-6	Shiba-Mita, Tokyo, Japan	
Nucleonic Products Co., 1-2-6	1601 Grande Vista Ave, Los Angeles 23	Cal
Optical Gaging Prods, Sub., Ex-Cell-O Corp., 3	26 Forbes St, Rochester 11	NY
Pacific Semiconductors, Inc., 4-5-6	10451 W. Jefferson, Culver City	Cal
Philco Corp., Gov't & Ind'l Div., 1-6	4700 Wissahickon Ave, Philadelphia 44	Pa
PHILCO CORP., LANSDALE DIV., 1-2-4-6, Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
RADIO CORP OF AMERICA, SEMICONDUCTOR & MATERIALS DIV., 1-2-4-5-6, Adv. Pg. Insert Preceding 3rd Cover	**Rt 202, Box 591, Somerville**	**NJ**
Radio Development & Research Corp., 4-6	100 Pennsylvania Ave, Paterson 3	NJ
Rauland Corp., Zenith Subsidiary, 1-6	4245 N. Knox Ave, Chicago 41	Ill
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-4-6, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Raytheon Co. Semiconductor Div., 1-4-5-6	215 1st Ave, Needham Hgts. 94	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1-2-4-5-6, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
RHEEM SEMICONDUCTOR CORP., 4-5-6, Adv. Pgs. 198, 199	**P.O. Box 1327, Mountain View**	**Cal**
Semiconductor Specialists, Inc., 1-4-5-6	5706 W. North Ave, Chicago 39	Ill
SILICON TRANSISTOR CORP., 5, Adv Pg 112	**150 Glen Cove Rd, Carle Place**	**NY**
Solid State Products, Inc., 4-6	1 Pingree St, Salem	Mass
Sony Corp., 1-2-3-4-5-6-7	514 Broadway, New York 12	NY
SPERRY SEMICONDUCTOR DIV., SPERRY RAND CORP., 4-6, Adv Pg 178	**South Norwalk**	**Conn**
Sprague Electric Co., 1-4-6	125 Marshall St, North Adams	Mass
Standard Telephones & Cables, Ltd., 1-3-4-5-6	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2-3-4-5-6-7	215 Park Ave, S. New York 3	NY
Sylvania Electric Prods. Inc., Semiconductor Div., 1-2-6	100 Sylvan Rd, Woburn	Mass
TECHNICAL APPARATUS BUILDERS, 4, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV., 1-2-3-4-5-6-7, Adv Pg 349	**13500 N. Central Expwy, Dallas**	**Tex**
Trans-Sil Corp., 5	55 Honeck St, Englewood	NJ
TRANSITRON ELECTRONIC CORP., 1-4-5-6-7, Adv. Pgs. 39-42	**168 Albion St, Wakefield**	**Mass**
TUNG-SOL ELECTRIC, INC., 1-2-6, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
U.S. TRANSISTOR CORP., 1-6, Adv Pg 378	**51 Eileen Way, Syosset**	**NY**
Vidaire Electronics Mfg. Corp., 2	44 Church St, Baldwin	NY
Western Transistor Corp., 4-5-6-7	13021 Budlong Ave, Gardena	Cal

TRANSISTOR SOCKETS See SOCKETS
TRANSISTOR TESTERS See TESTERS —*TRANSISTOR*
TRANSISTOR-TYPE CONVERTERS —*A-C TO A-C* See CONVERTERS — *POWER*
TRANSIT CASES See BOXES —*SHIPPING*

TRANSITIONS
1. COAXIAL 2. WAVEGUIDE

AINSLIE CORP., 2, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc., 1-2	48 Cummington St, Boston	Mass
Airtec, Inc., 1-2	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., 1, Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
Andrew Corp., 1-2	P. O. Box 807, Chicago 42	Ill
ANTENNA SYSTEMS, INC., 1-2, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Ardwin Microlab, Inc., 2	21 Spencer St, Stoneham 80	Mass
AUTOMATIC METAL PRODUCTS CORP., 1, Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
Bogart Mfg. Corp., 1-2	315 Seigel St, Brooklyn 6	NY
BUDD-STANLEY CO., INC., 1-2, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp., 1-2	301 W. Hoffman Ave, Lindenhurst	NY
Canoga Div., Underwood Corp., 1-2	15330 Oxnard St, Van Nuys	Cal
Cardwell Condenser Corp., 1-2	80 E. Montauk Hwy, Lindenhurst	NY
DEMORNAY-BONARDI, 2, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 1-2	River St, Winchester	Mass
Dielectric Products Engrg Co., Inc., 1	Raymond	Me
Don-Lan Electronics, Inc., 1-2	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., 1-2, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc., 2	P.O. Box 504, Asbury Park	NJ
Gombos Co., Inc., John, 1-2	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co., 2	333 Adelaide Ave, Providence 7	RI
HEWLETT-PACKARD CO., 2, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp., 1-2	129-07 18th Ave, College Point 56	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Kennedy & Co., D.S., 2	Cohasset	Mass
Kent Corp., F.C., 2	135 Manchester Pl, Newark 4	NJ
KINGS ELECTRONICS CO., INC., 1, Adv Pg 508	**40 Marbledale Rd, Tuckahoe**	**NY**
LIECO, INC., 1-2, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, 1-2, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc., 1-2	8739 S. Millergrove Dr, Whittier	Cal
Metavac, Inc., 1-2	45-68 162 St, Flushing 58	NY
MICROLAB, 1, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp., 1-2	Box 1166, Greenwich	Conn
Microtech, Inc., 2	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc., 1-2	Burlington	Mass
Microwave Corp. of America, 1-2	P.O. Box 278, Stamford	Conn
Microwave Electronic Tube Co., Inc., 1-2	76 Lafayette St, Salem	Mass
N.R.K. Mfg. & Engineering Co., 2	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 2	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc., 1-2	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., 1-2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 2	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Sage Laboratories, Inc., 1-2	3 Huron Dr, Natick	Mass
SPERRY MICROWAVE ELECTRONICS CO., 1-2, Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
TELERAD MFG. CORP., 1-2, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Transco Products Inc., 1-2	12210 Nebraska Ave, L A 25	Cal
Victor R.F. & Microwave Co., 1-2	36 W. Water St, Wakefield	Mass
Waveline, Inc., 2	P.O. Box 718, Caldwell	NJ

TRANSLATORS —*COMPUTER-CODE* See CONVERTERS —*COMPUTER*

TRANSLATORS —*TELEMETERING*

American Bosch Arma Corp.	320 Fulton Ave, Hempstead	NY
Ascop Div., Electro-Mechanical Research, Inc	P.O. Box 44, Princeton	NJ
Electro-Mechanical Research, Inc	P.O. Box 3041, Sarasota	Fla
Epsco, Inc., Systems Div.	275 Massachusetts Ave, Cambridge 39	Mass
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Radiation, Inc	Melbourne	Fla
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**

TRANSLATORS-UHF TV

Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**

TRANSMISSION LINES See CABLE —*COAXIAL*: CABLES —*UNSHIELDED*: STRIP TRANSMISSION LINE: WAVEGUIDES

TRANSMISSION TEST SETS — *A-F (TELEPHONY), FACSIMILE, MICROWAVE, TELETYPE, OR TV*

AUTOMATIC ELECTRIC SALES CORP., Adv Pgs. 82, 83	**Northlake**	**Ill**
DAVEN CO., Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**

Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
TELECHROME MFG. CORP., Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Teletype Corp	5555 W. Touhy Ave, Skokie	Ill

TRANSMIT-RECEIVE SETS See **TRANSCEIVERS**
TRANSMIT-RECEIVE TUBES See **TUBES-TR**
TRANSMITTER MONITORS See **MONITORS** – *A-M & F-M TRANSMITTER*
TRANSMITTER PANELS See **PANELS**

TRANSMITTERS –*BROADCAST*
1. A-M 2. F-M 3. STEREO A-M OR F-M 4. TV. COLOR 5. TV. MONOCHROME 6. SINGLE-SIDEBAND COMPATIBLE ADAPTER

Adler Electronics, Inc., 4-5	1 Lefevre Ln, New Rochelle	NY
Antennavision, Inc., 2-4-5	2949 W. Osborn Rd, Phoenix	Ariz
Calbest Electronics Co., 3	4801 Exposition Blvd, Los Angeles 16	Cal
Collins Radio Co., 1-2	855 35 St N.E., Cedar Rapids	Iowa
Continental Electronics Mfg. Co., 1-2-5	4212 S. Buckner Blvd, Dallas 27	Tex
Crown Internat'l Div., Int. Rad & El Corp., 1	Box 261, Elkhart	Ind
Dage TV Div., Thompson-Ramo-Wooldridge, 5	W. Tenth St, Michigan City	Ind
FXR, INC., 1-2, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
GATES RADIO CO., 1-2-3-4-5, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL DEVICES, INC., 1-2-3, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Communication Prods Dept., 4-5	Lynchburg	Va
General Electronic Labs., Inc., 2	18 Ames St, Cambridge	Mass
Harkins Radio Inc., 2-3	4444 E. Washington, Phoenix	Ariz
Kahn Research Labs Inc., 6-7	81 S. Bergen Pl, Freeport	NY
KAY ELECTRIC CO., 4-5, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Marconi's Wireless Telegraph Co., Ltd., 1-2-4-5	750 Third Ave,, New York 17	NY
Mullard Equipment, Ltd., 1	Torrington Pl, London W.C. 1, England	
Newport Scientific Co., 1-2	638 W. 17th St, Costa Mesa	Cal
Nippon Electric Co., Ltd., 1-2-4-5	Shiba-Mita, Tokyo, Japan	
Pye Telecommunications, Ltd., 1-2	Newmarket Rd, Cambridge, England	
Radio Corp of America Indl Electronic Prods, 1-2-3-4-5	Front & Cooper, Camden	NJ
Redifon, Ltd., 1-2	Broomhill Rd, Wandsworth, London SW 18	Eng
Sarkes Tarzian, Broadcast Equipment Div., 4-5	E. Hillside Dr, Bloomington	Ind
Standard Electronics Div., Reeves Instrument Corp., 1-2-3-4-5	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-5	63 Aldwych, London W. C. 2	Eng
Taber Instrument Corp., 1-2	107 Goundry St, North Tonawanda	NY
TELECHROME MFG. CORP., 4-5, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
WILCOX ELECTRIC CO., 1, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**

TRANSMITTERS –*FACSIMILE* See **FACSIMILE EQUIPMENT**

TRANSMITTERS –*JAMMING & COUNTERMEASURE*

ADAMS-RUSSELL CO., INC., Adv Pg 211	**200 Sixth St, Cambridge 42**	**Mass**
American Development Electronics Co	212 Central Ave, Newark	NJ
Applied Technology, Inc	930 Industrial Ave, Palo Alto	Cal
Designers for Industry	4241 Fulton Pkwy, Cleveland 9	Ohio
Dynamic Electronics, Capehart Corp	87-46 123 St, Richmond Hill 18	NY
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fairchild Camera & Instrument Corp., Defense Prods., Div	Robbins Ln, Syosset	NY
GATES RADIO CO., Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
General Electronic Labs., Inc	18 Ames St, Cambridge	Mass
Granger Associates	974 Commercial St, Palo Alto	Cal
HALLICRAFTERS CO., Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
ITT Federal Div., ITT	100 Kingsland Rd, Clifton	NJ
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Melabs	3300 Hillview Ave, Palo Alto	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Production Research Corp., Sub of Radio Condenser Co	Claremont Ave, Thornwood	NY
Radiation, Inc	Melbourne	Fla
Space Electronics Corp	930 Air Way, Glendale 1	Cal
Standard Electronics Div., Reeves Instrument Corp	Lakewood Rd, Farmingdale	NJ
TELECHROME MFG. CORP, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Van Norman Industries, Elect Div	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**

TRANSMITTERS –*RADAR* See **RADAR**

TRANSMITTERS –*RADIO COMMUNICATION*
1. AIRCRAFT 2. AMATEUR 3. CITIZENS' RADIO 4.FIXED-FREQUENCY 5. F-M 6. MARINE (SHIP) 7. MICROWAVE 8. MOBILE 9. MULTIPLEX CARRIER 10. PORTABLE 11. PULSE-TIME MODULATION 12. RAILROAD 13. SINGLE-SIDEBAND 14. TELEMETERING 15. UHF 16. VHF 17. VLF 18. SINGLE-SIDEBAND ADAPTER 19. SINGLE-SIDEBAND COMPATIBLE ADAPTER

AC Electronics, Inc., 1-6	11725 Mississippi Ave, Los Angeles 25	Cal
ACF Electronics Div., 7	Riverdale	Md
ACTON LABS, INC., 3-4, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adler Electronics, Inc., 7-8-9-13-15-16	1 Lefevre Ln, New Rochelle	NY
ADVANCED ELECTRONICS CORP., 14, Adv Pg 246	**2 Commercial St, Hicksville**	**NY**
Aeronautical Communication Equip., Inc., 1-4-16	3090 S.W. 37 Ave, Miami 33	Fla
Aeronautical Electronics, Inc., 4-5-8-10-15-16	P.O. Box 6527, Raleigh	NC
Aircom, Inc., 7-14	48 Cummington St, Boston	Mass
Aircraft Radio Corp., 1-15-16	Boonton	NJ
Airtron, Div of Litton Industries, 7-13	200 E. Hanover Ave, Morris Plains	NJ
Allied Radio Corp., 2-3-13	100 N. Western Ave, Chicago 80	Ill
AMERAC, INC., 7, Adv. Pgs. 182, 183	**Dunham Rd, Beverly**	**Mass**
American Bosch Arma Corp., 14	320 Fulton Ave, Hempstead	NY
American Development Electronics Co., 3-10	212 Central Ave, Newark	NJ
American Electronics Co., 2	178 Herricks Rd, Mineola	NY
American Geloso Electronics, 2	251 Park Ave S., New York	NY
American Missile Products Co., Inc., 14	15233 Grevillea Ave, Lawndale	Cal
Amtron Corp., 14-15	17 Felton St, Waltham	Mass
Applied Electronics Co., 3-4-6-8	213 E. Grand Ave, South San Francisco	Cal
APPLIED ELECTRONICS CORP OF N.J., 9-14, Adv Pg 448	**22 Center St, Metuchen**	**NJ**
Ardwin Microlab, Inc., 7	21 Spencer St, Stoneham 80	Mass
Ascop Div., Electro-Mechanical Research, Inc., 14	P.O. Box 44, Princeton	NJ
Avco Corp., Crosley Div., 4-8-16	1329 Arlington St, Cincinnati 25	Ohio
Aviation Electric, Ltd., 1-4-6-9	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
Babcock Radio Engineering, Inc., 5-15	1640 Monrovia Ave, Costa Mesa	Cal
BAIRD-ATOMIC, INC., 14, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Barker & Williamson, 2-3-13	Canal & Beaver Sts, Bristol	Pa
Bassett, Inc., Rex, 6	1314 N.E. 17 Ct, Ft. Lauderdale	Fla
Bell Aircraft Corp., 1-7-11-15-16-17	P.O. Box 1; Buffalo 5	NY
Bendix Aviation Corp., Bendix Radio Div., 1-4-8-10-12-16-17	Baltimore 4	Md
Bendix-Pacific Div., Bendix Aviation, 6-7-14	11600 Sherman Way, North Hollywood	Cal
Budd Lewyt Electronics, Inc., 1-5-7-8-9-10-14-15	43-22 Queens St, Long Island City 1	NY
BUDELMAN ELECTRONICS CORP., 4-5-7-9-15-16, Adv Pg 383	**375 Fairfield Ave, Stamford**	**Conn**
C W S Waveguide Corp., 7	301 W. Hoffman Ave, Lindenhurst	NY
Cadre Industries Corp., 3-6-8-10-12-13	P. O. Box 150, Endicott	NY
Canadian Marconi Co., 1-6-7-8-13-15-16	2444 Trenton Ave, Montreal, Canada	
CELCO CONSTANTINE ENGINEERING LABS CO., 16-17, Adv. Pgs. 286, 287	**P.O. Box 555, Mahwah**	**NJ**
Central Electronics, Inc., 2-13	1247 W. Belmont Ave, Chicago 13	Ill
Collins Radio Co., 1-2-4-7-8-9-13-15-16	855 35 St N.E., Cedar Rapids	Iowa
Communications Co., Inc., 1-4-5-8-10-13-15-16	300 Greco Ave, Coral Gables 34	Fla
Computing Devices of Canada, Ltd., 1-8-12-16	P.O. Box 508, Ottawa, Ontario, Canada	
Continental Electronics Mfg. Co., 1-4-5-7-13-15-16-17	4212 S. Buckner Blvd, Dallas 27	Tex
CONTROL ELECTRONICS CO., INC., 7-9, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Cooper Development Corp., 14	2626 S. Peck Rd, Monrovia	Cal
CROSBY TELECTRONIC LAB., INC., 13, Adv Pg 422	**54 Kinkel St, Westbury**	**NY**
Dare, Inc., 1	P.O. Box 312, Troy	Ohio
Delco Radio Div, GMC., 17	700 E. Firmin St, Kokomo	Ind
Designers for Industry, 1-3-4-5-6-7-8-9-10-11-13-15-16	4241 Fulton Pkwy, Cleveland 9	Ohio
Diamond Antenna & Microwave Corp., 3	River St, Winchester	Mass
Dollar Co., Robert, Commun Equip Div., 4-16	50 Drumm St, San Francisco 11	Cal
Dorsett Electronics Labs., Inc., 14	119 W. Boyd St, Norman	Okla
DOUGLAS MICROWAVE CO., INC., 7, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Du Mont Labs., Inc., Allen B., 3-8-10	750 Bloomfield Ave, Clifton	NJ
Electro-Mechanical Research, Inc., 14	P.O. Box 3041, Sarasota	Fla
ELECTRONIC INSTRUMENT CO., INC., 2, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Research & Dev.Co., Ltd., 4-5-8-10-15	210 9th Ave, S.E., Calgary, Alberta, Canada	
Electronics Design Co., 1-2-3-4-8-10-15-16	P.O. Box 401, Enid	Okla
Electronics, Inc., 3	39 York Rd, Willow Grove	Pa
Engineering Associates, 7-15-16-17	434 Patterson Rd, Dayton 19	Ohio
FXR, INC., 7-11-15-16, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fairchild Camera & Instrument Corp., Defense Prods., Div., 4	Robbins Ln, Syosset	NY
Foxboro Co., The, 11-14	Foxboro	Mass
Frequency Standards, Div., Harvard Industries, Inc., 2-7	P.O. Box 504, Asbury Park	NJ
Friez Instrument Div., Bendix Aviation Corp., 14	1400 Taylor Ave, Baltimore 4	Md
GATES RADIO CO., 5-9-10-11-13-16, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
GENERAL COMMUNICATION CO., 14, Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
GENERAL DEVICES, INC., 5-9-11-13-14, Adv Pg 270	**P.O. Box 253, Princeton**	**NJ**
General Electric Co., Communication Prods Dept., 3-6-7-8-9-10-12-13-14-15-16	Lynchburg	Va
General Electronic Labs., Inc., 7-9-14-15-16	18 Ames St, Cambridge	Mass
Gilfillan Bros., Inc., 7-14	1815 Venice Blvd, Los Angeles 6	Cal
Globe Electronics, Div Textron Electronics Inc 2-3	22-30 S. 34th St, Council Bluffs	Iowa
Gonset Div., Young Spring & Wire Corp., 1-2-3-4-8-10-13	801 S. Main St, Burbank	Cal
Granger Associates, 14	974 Commercial St, Palo Alto	Cal
Gray Radio Co., Inc., 6	501 Forest Hill Blvd, West Palm Beach	Fla
HALLICRAFTERS CO., 1-2-4-5-7-8-10-11-13-14-15-16-17, Adv Pg 305	**4401 W. 5th Ave, Chicago 24**	**Ill**
Hammarlund Mfg. Co., 2-13-16	460 W. 34th St, New York 1	NY
Heath Co., A Sub of Daystrom, Inc., 2-3-8-13-17	Benton Harbor	Mich
Hoffman Electronics Corp., Military Prods Div., 6-13-16	3740 S. Grand Ave, Los Angeles 7	Cal
Holiday Transformer Co., 12-13-14	2952 N. Sheffield Ave, Chicago	Ill
Hughes Microwave Components Div., 1-8-10	Florence & Teale, Culver City	Cal
Humble Mfg. Co., Ltd., 10	1695 W. 2nd Ave, Vancouver 9, BC, Canada	
ITT Federal Div., ITT, 1-4-5-6-7-8-9-11-16-17	100 Kingsland Rd, Clifton	NJ
ITT Laboratories, 13-14-15	500 Washington Ave, Nutley 10	NJ
Instrument Systems Corp., 7	129-07 18th Ave, College Point 56	NY
INSTRUMENTS FOR INDUSTRY, INC., 14-15-16, Adv Pg 520	**99 New South Rd, Hicksville**	**NY**
Intercontinental Electronics, 14	1551 Franklin Ave, Mineola	NY
International Crystal Mfg. Co., Inc., 2-3-4	18 N. Lee, Oklahoma City	Okla
Interstate Electronics Corp., 15	707 E. Vermont Ave, Anaheim	Cal
Jefferson, Inc., Ray, 3-6	40 E. Merrick Rd, Freeport	NY
Johnson Co., E.F., 2-3-8-13	Waseca	Minn
Kaar Engineering Corp., 3-4-5-6-8-10-15-16	2995 Middlefield Rd, Palo Alto	Cal
Kahn Research Labs Inc., 18-19	81 S. Bergen Pl, Freeport	NY
Kaiser Aircraft & Electronics, 13	2222 W. Peoria Ave, Phoenix	Ariz
KAY ELECTRIC CO., 5-16, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
KEARFOTT DIV., GEN PRECISION, INC., 6-7, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
King Radio Corp., 1-4-8-16	9700 W. 75 St, Merriam	Kan
Knight Electronics, 2-3-13-16	210 S. Des Plaines St, Chicago 6	Ill
Land-Air, Inc., 1-3-4-5-8-10-16	7444 W. Wilson Ave, Chicago 31	Ill
Lear, Inc., 1-5-7-9-11-13-14-15-16-17	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 3-4-6-7-10-13-14-16	380 Oak St, Copiague	NY
Lettine Radio Mfg. Co., 2-4-16	62 Berkley St, Valley Stream	NY
Levinthal Electronic Products, Inc., 4-7-15	3180 Hanover St, Palo Alto	Cal
Ling Electronics Div., Ling Altec Electronics, 17	1515 Manchester, Anaheim	Cal
Litton Industries, Maryland Div., 1-14	4900 Calvert Rd, College Park	Md
Lorain County Radio Corp., 6	205 Ninth St, Lorain	Ohio
MANSON LABORATORIES, INC., 7-15, Adv. Pgs. 386, 387	**375 Fairfield Ave, Stamford**	**Conn**

Marconi's Wireless Telegraph Co., Ltd., 1-6-7-8-13-15	750 Third Ave, New York 17	NY
Mechanical Products Inc. Electronic Sys. Div., 7	1824 River St, Jackson	Mich
Melabs, 1-7-9-14-16	3300 Hillview Ave, Palo Alto	Cal
Millen Mfg. Co., James, 2-4-16	150 Exchange St, Malden	Mass
Minn-Honeywell, Industrial Div., 9-11-14	Wayne & Windrim, Philadelphia 44	Pa
Miratel Inc., 3	1080 Dionne St, St. Paul	Minn
Morrow Radio Mfg. Co., 2-3-4-8-10-13	2794 Market St, Salem	Ore
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1-3-5-7-8-10-12-13-15-16, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Mullard Equipment, Ltd., 1-4-5-6-8-13-15-16	Torrington Pl, London W.C. 1, England	
Multi-Products Co., 2-3-6-8	21470 Coolidge Hwy, Oak Park	Mich
Munston Electronic Mfg. Corp., 6	Beech St, Islip	NY
National Aeronautical Corp., 1-16	Commerce Dr, Ft. Washington Industrial Park, Ft. Washington	Pa
National Electronics Labs., Inc., 4-5-9-15-16	1713 Kalorama Rd N.W., Washington 9	DC
Newport Scientific Co., 2-3-4-5-6-8-10-14-15-16-17	638 W. 17th St, Costa Mesa	Cal
Nippon Electric Co., Ltd., 1-4-5-6-7-8-9-10-11-13-14-15-16	Shiba-Mita, Tokyo, Japan	
Osborne Electronic Sales Corp., 2-3-8-10	712 S.E. Hawthorne Blvd, Portland 14	Ore
Packard-Bell Electronics Corp., Techincal Products Div., 1-15	12333 W. Olympic Blvd, Los Angeles 64	Cal
PARAPLEGICS MFG. CO., INC., 1-2-3-4-5-7-8-10-15, Adv Pg 324	**308 York Rd, Bensenville**	**Ill**
PARSONS CO., RALPH M., ELECTRONICS DIV., 14, Adv Pg 312	**151 S. DeLacey Ave, Pasadena**	**Cal**
Pearce Simpson, Inc., 3-4-6-8-10	2295 N.W. 14th St, Miami 35	Fla
Peer, Inc., 16	Benton Harbor	Mich
Peer, Inc., 4-5-7-13-15-16-17	2624 Shelby St, Dallas 19	Tex
Philco Corp., Gov't & Ind'l Div., 1-4-5-6-7-9-11-12-13-14-15-16-17	4700 Wissahickon Ave, Philadelphia 44	Pa
Philmore Mfg. Co., Inc., 2-3	130-01 Jamaica Ave, Richmond Hill 18	NY
PORTCHESTER INSTRUMENT CORP., 7, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 7, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Production Research Corp., Sub of Radio Condenser Co., 1-3-6-7-8-10-14-15-16	Claremont Ave, Thornwood	NY
Pye Telecommunications, Ltd., 4-5-6-7-8-9-10-14-15-16	Newmarket Rd, Cambridge, England	
REF Mfg. Co., 13	Jericho Tnpk, Mineola	NY
Racal Engineering, Ltd., 4-8-10-13	Western Rd, Bracknell, Berks, England	
Radiaphone Co., Inc., 14	600 E. Evergreen Ave, Monrovia	Cal
Radiation, Inc., 4-7-11-14-15-16	Melbourne	Fla
Radio City Products Co., Inc., 17	Centre & Glendale Sts, Easton	Pa
Radio Corp of America Indl Electronic Prods, 1-3-4-5-6-7-8-9-10-13-15-16-17	Front & Cooper, Camden	NJ
Radio Engineering Labs., Inc., 2-4-5-7-8-9-13-15-16	29-01 Borden Ave, Long Island City 1	NY
Radio Mfg. Engineers, Div., Electro Voice, Inc., 2-3-13	Buchanan	Mich
Radio Specialty Mfg. Co., 10	2023 S.E. Sixth Ave, Portland 14	Ore
Raytheon Co. Commercial Appar. & Systems Div., 6	100 River St, Waltham	Mass
Redifon, Ltd., 4-5-6-8-10-13-16	Broomhill Rd, Wandsworth, London SW 18	Eng
Resdel Engineering Corp., 7-15	330 S. Fair Oaks Ave, Pasadena	Cal
Rowe Industries, 6	1702 Wayne St, Toledo 9	Ohio
Sarkes Tarzian, Broadcast Equipment Div., 7	E. Hillside Dr, Bloomington	Ind
Schjeldahl Co., G.T., 14	P.O. Box 170, Northfield	Minn
Seiscor Div., Seismograph Service Corp., 3	6200 E. 41st St, P.O. Box 1590, Tulsa 1	Okla
SIERRA ELECTRONIC CORP., 4-5-7-9-11-14-15-16-17, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Sierra Research Corp., 14	P.O. Box 22, Buffalo 25	NY
Simmonds Aerocessories, Inc., 4-11-15-16	105 White Plains Rd, Tarrytown	NY
SOLID STATE ELECTRONICS CO., 3, Adv Pg 210	**15321 Rayen St, Sepulveda**	**Cal**
Sonar Radio Corp., 6	3050 W. 21 St, Brooklyn 24	NY
Sorensen Industrial Electronic Co., 2-3-8-13	Rt 10, Dover	NJ
Space Electronics Corp., 14	930 Air Way, Glendale 1	Cal
Sparton Corp., 1-4-5-13-15-16-17	2400 E. Ganson St, Jackson	Mich
Spectra Electronics Co., 10-15-16-17	250 E. 3rd St, Mt. Vernon	NY
Spivey Inc., James S., 14	4908 Hampden Ln, Washington 14	DC
Standard Electronics Div., Reeves Instrument Corp., 3-5-7-8-9-13-15-16-17	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-6-7-8-9-10-12-13-14-15	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 1-6-7-8-10-13-14	100 Carlson Rd, Rochester 3	NY
Sylvania Electronic Systems, 1	63 Second Ave, Waltham	Mass
Tamar Electronics, Inc., 1-3-4-16	2045 W. Rosecrans Ave, Gardena	Cal
TECHNICAL MATERIEL CORP., 2-4-13, Adv Pg 232	**700 Fenimore Rd, Mamaroneck**	**NY**
TELECHROME MFG. CORP., 2-5-8-13-14-15-16, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 1-5-6, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Telemetering Associates, 5-16	6419 Indigo St, Houston	Tex
Telephonics Corp., 10-15-16	Park Ave, Huntington	NY
TELERAD MFG. CORP., 7, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Texas Instruments Incorporated, Apparatus Div., 14	6000 Lemmon Ave, Dallas 9	Tex
Topp Industries, Inc., 1-6-15-16	5221 W. 102 St, Los Angeles 45	Cal
21st Century Electronics, Inc., 6-15-16	P.O. Box 2326, Riverside	Cal
United Shoe Machinery Corp., Antenna & Microwave Sec., 7	Balch St, Beverly	Mass
U.S. Science Corp., 16	5221 W. 102nd St, Los Angeles 45	Cal
Van Norman Industries, Elect Div., 14-15-16	186 Granite St, Manchester	NH
VARIAN ASSOCIATES, 7, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Virginia Electronics Co., Inc., 4-6-8-10	5209 River Rd, Washington 16	DC
Warren Mfg. Co., Inc., 14	Newtown Rd, Littleton	Mass
Webster Mfg., 3	317 Roebling Rd, S. San Francisco	Cal
WESTINGHOUSE ELECTRIC CORP., 6-7-8-9-10-13-15-16, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 1-4-6-8-10-13-17	540 W. 58 St, New York 19	NY
WHEELER ELECTRONIC CORP., SUB., SPERRY RAND CORP., 1-15-16, Adv Pg 504	**150 E. Aurora St, Waterbury 20**	**Conn**
WILCOX ELECTRIC CO., 1-4-13-16, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
YUBA-DALMOTOR DIV., YUBA CONSOLIDATED INDUSTRIES, INC., 13, Adv Pg 343	**1375 El Camino Real, Santa Clara**	**Cal**

Zenith Radio Corp., 2-13	6001 Dickens Ave, Chicago 39	Ill

TRANSMITTERS —*RADIO NAVIGATION*
1. AIRCRAFT DISTRESS BEACON 2. DIRECTION-FINDING 3. LORAN 4. RADIO RANGE 5. VHF OMNIRANGE

Aeronautical Communication Equipment, Inc., 2	3090 S.W. 37 Ave, Miami 33	Fla
Aircraft Radio Corp., 2-4-5	Boonton	NJ
Avco Corp., Crosley Div., 1	1329 Arlington St, Cincinnati 25	Ohio
Bendix-Pacific Div., Bendix Aviation, 1	11600 Sherman Way, North Hollywood	Cal
Canadian Aviation Electronics Ltd., 1	6214 Cote de Liesse Rd, Montreal 9, Canada	
Collins Radio Co., 5	855 35 St N.E., Cedar Rapids	Iowa
Computing Devices of Canada, Ltd., 5	P.O. Box 508, Ottawa, Ontario, Canada	
Continental Electronics Mfg. Co., 3	4212 S. Buckner Blvd, Dallas 27	Tex
CONTROL ELECTRONICS CO., INC., 2, Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Engineering Associates, 4	434 Patterson Rd, Dayton 19	Ohio
Fairchild Camera & Instrument Corp., Defense Prods., Div., Inc., 1	Robbins Ln, Syosset	NY
Forway Industries, Inc., 2	122 Green Ave, Woodbury	NJ
GATES RADIO CO., 1, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Granger Associates, 1	974 Commercial St, Palo Alto	Cal
Hoffman Electronics Corp., Military Prods Div., 5	3740 S. Grand Ave, Los Angeles 7	Cal
ITT Laboratories, 1-2-3-4-5	500 Washington Ave, Nutley 10	NJ
KEARFOTT DIV., GEN PRECISION, INC., 2, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Laboratory for Electronics, Inc., 1	1079 Commonwealth, Boston 15	Mass
Lear, Inc., 1	3171 S. Bundy Dr, Santa Monica	Cal
LEL Inc., 1-4	380 Oak St, Copiague	NY
Litton Industries, Maryland Div., 2-3-4-5	4900 Calvert Rd, College Park	Md
Marconi's Wireless Telegraph Co., Ltd., 1-5	750 Third Ave, New York 17	NY
Mullard Equipment, Ltd., 2	Torrington Pl, London W.C. 1, England	
Nippon Electric Co., Ltd., 2-3-5	Shiba-Mita, Tokyo, Japan	
Olympic Radio & Television Co., Div of the Siegler Corp., 2	34-01 38 Ave, Long Island City	NY
Otis Elevator Co., 1-2-3-4-5	35 Ryerson St, Brooklyn 5	NY
Packard-Bell Electronics Corp., Technical Products Div., 1	12333 W. Olympic Blvd, Los Angeles 64	Cal
Peer, Inc., 3	2624 Shelby St, Dallas 19	Tex
Philco Corp., Gov't & Ind'l Div., 3-4-5	4700 Wissahickon Ave, Philadelphia 44	Pa
Production Research Corp., Sub of Radio Condenser Co., 2-3	Claremont Ave, Thornwood	NY
Radio Corp of America Indl Electronic Prods, 3	Front & Cooper, Camden	NJ
Raytheon Co. Commercial Appar. & Systems Div., 2	100 River St, Waltham	Mass
Redifon, Ltd., 2	Broomhill Rd, Wandsworth, London SW 18	Eng
Simmonds Aerocessories, Inc., 1-2	105 White Plains Rd, Tarrytown	NY
Sperry Gyroscope Div., Sperry Rand, 3	Great Neck	NY
Standard Telephones & Cables, Ltd., 2-5	63 Aldwych, London W. C. 2	Eng
Stromberg-Carlson Div., Gen Dynamics Corp., 2-5	100 Carlson Rd, Rochester 3	NY
Tamar Electronics, Inc., 1-4-5	2045 W. Rosecrans Ave, Gardena	Cal
Telephonics Corp., 1	Park Ave, Huntington	NY
Topp Industries, Inc., 1-2-5	5221 W. 102 St, Los Angeles 45	Cal
U.S. Science Corp., 5	5221 W. 102nd St, Los Angeles 45	Cal
Van Norman Industries, Elect Div., 1-4-5	186 Granite St, Manchester	NH
Virginia Electronics Co., Inc., 4	5209 River Rd, Washington 16	DC
WILCOX ELECTRIC CO., 5, Adv Pg 537	**1400 Chestnut St, Kansas City**	**Mo**
Winder Aircraft Corp., 2	Dunnellon Air Base, Dunnellon	Fla

TRANSMITTERS —*SONAR* See **SONAR**
TRANSMITTING ANTENNA INSULATORS See **INSULATORS** —*ANTENNA*
TRANSPONDERS See **RADAR** —*BEACONS*
TRANSPORTS —*MAGNETIC TAPE* See **TAPE DECKS**
TRAPS —*ION* See **MAGNETS** —*PERMANENT*

TRAPS —*WAVE*

CLEGG LABS., DIV., CLEGG, INC., Adv Pg 46	**Hanover & Ridgedale, Morristown**	**NJ**
CONTROL ELECTRONICS CO., INC., Adv Pg 336	**10 Stepar Pl, Huntington Station**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Microphase Corp	Box 1166, Greenwich	Conn
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Mosley Electronics, Inc	4610 N. Lindbergh, Bridgeton	Mo
Otis Elevator Co	35 Ryerson St, Brooklyn 5	NY

TRAVELING-WAVE TUBE AMPLIFIERS See **AMPLIFIERS** —*MICROWAVE*
TRAVELING-WAVE TUBE FOCUSING COILS See **COILS**
TRAVELING-WAVE TUBES See **TUBES** —*MICROWAVE*
TREASURE FINDERS See **DETECTORS** —*METAL*
TRIMMERS See **CAPACITORS** —*VARIABLE*
TRIMMINGS See **METAL PARTS** —*TRIMMINGS*
TR TUBES See **TUBE – TR**
TUBE BASES See **TUBE PARTS**
TUBE CHEMICALS See **CHEMICALS** —*TUBE*
TUBE CIRCUIT DEMONSTRATORS See **DEMONSTRATORS**
TUBE CLAMPS See **CLAMPS**
TUBE COEFFICIENT BRIDGES See **BRIDGES**
TUBE COOLING UNITS See **COOLING UNITS**
TUBE JOINTS See **JOINTS** —*TUBE*
TUBE-MANUFACTURING MACHINES See **MACHINES** —*TUBE-MANUFACTURING*

TUBE PARTS
1. ANODES, CARBON & GRAPHITE 2. ANODES, METAL 3. BASE PINS 4. BASES 5. BULBS (ENVELOPES), CERAMIC 6. BULBS (ENVELOPES), GLASS 7. BULBS (ENVELOPES), METAL 8. BUTTON STEMS 9. CAPS (TOP) 10. CATHODES (SLEEVES, DISKS & TUBES) 11. CONTACTS, SIDE (CATHODE-RAY TUBE) 12. ELECTRON-GUN MOUNTS 13. ELECTRON GUNS 14. GETTERS 15. GRIDS & SUPPORTS 16. HEAT RADIATORS 17. POWDERS, CATHODE-RAY SCREEN 18. SPACERS, CERAMIC 19. SPACERS, MICA 20. SUPPORTS, METAL (INCLUDING WIRE PARTS) 21. TUBE SEAL LEADS See Also **WIRE** — *RESISTANCE, FILAMENT & HEATER:* **WIRE** —*BARE, FINE WIRE SPECIALTIES*

Advanced Vacuum Products, Inc., Sub Indjana General Corp., 4	430 Fairfield Ave, Stamford	Conn
ALDEN PRODUCTS CO., 4, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Alite Div., U.S. Stoneware Co., 5-18	P.O. Box 119, Orrville	Ohio
AMERICAN FELDMUEHLE CORP., 5, Adv Pg 438	**11 W. 42nd St, New York 36**	**NY**
AMERICAN LAVA CORP., 4-5-10-15-18, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**

American Mica Insulation Co., 19	235 Parker Ave, Manasquan	NJ
Anton Machine Works, 2-10-15	1226 Flushing Ave, Brooklyn 37	NY
ART WIRE & STAMPING CO., 2-3-11-15-20-21, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Asheville-Schoonmaker Mica Co., 19	900 Jefferson Ave, Newport News	Va
Associated Engineering & Mfg. Corp., 3-4-8-12-13-21	Glen Ridge	NJ
Autoscrew Co., Inc., 2-16	216-222 W. 18th St, New York 11	NY
Auto-Swage Products, Inc., 3	255 Canal St, Shelton	Conn
BEAD CHAIN MFG. CO., 3, Adv Pg 280	**110 Mountain Grove St, Bridgeport 5**	**Conn**
Becker Brothers Carbon Co., 1	3450 S. Laramie Ave, Cicero 50	Ill
Belmont Smelting & Refining Works, 1-2	332 Belmont Ave, Brooklyn 7	NY
BIRTCHER CORP., 16, Adv Pg 172	**4371 Valley Blvd, Los Angeles 32**	**Cal**
Bishop & Co., J., Platinum Works, 2-10	Malvern	Pa
Bram Metallurgical Chemical Co., 2-14	820 65 Ave, Philadelphia 26	Pa
Cerium Metals & Alloys Div., Ronson Metals Corp., 14	55 Manufacturers Pl, Newark 5	NJ
Cly-Del Mfg. Co., 3	42 Sharon Rd, Waterbury	Conn
Composite Industrial Metals, Inc., 20	235 Georgia Ave, Providence 5	RI
Coors Porcelain Co., 4-10	600 Ninth St, Golden	Colo
DKE ELECTRONIC BASES CORP., 3-4-9-15-21, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Diamond Electronics Div, Diamond Power Specialty Corp., 3	Box 415, Lancaster	Ohio
Du-Co Ceramics Co., 18	1050 Main St, Saxonburg	Pa
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 12-13	750 Bloomfield Ave, Clifton	NJ
Edwards High Vacuum(Canada)Ltd., 14	Box 515, Burlington, Ontario, Canada	
EITEL-McCULLOUGH, INC., 16, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRICAL INDUSTRIES, A DIVISION OF PHILIPS ELECTRONICS & PHARMACEUTICAL INDUSTRIES CORP., 4-21, Adv Pg 103	**691 Central Ave, Murray Hill**	**NJ**
Electronic Parts Mfg. Co., Inc., 2-15-16-20-21	508-10 25th St, Union City	NJ
Electronic Tube Corp., 4	1200 E. Mermaid Ln, Philadelphia 18	Pa
Fansteel Metallurgical Corp., 2-10-14-15-16-20-21	2200 Sheridan, N. Chicago	Ill
Federal Electronic Products, Inc., 12-13	1380 Pompton Ave, Cedar Grove	NJ
Fredericks Co., 6	Bethayrés	Pa
Gemex Corp., Industrial Div., 2-7-15	1200 Commerce Ave, Union	NJ
General Electric Co., Lamp Metals & Components Dept., 9-17-20-21	21800 Tungsten Rd, Cleveland 17	Ohio
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., 2, Adv Pg 530	**Attleboro**	**Mass**
Getters Electronics, Inc., 14	1920 Buffalo Ave, Niagara Falls	NY
Gladding, McBean & Co., 5-18	1551 S. Primrose St, Monrovia	Cal
Greenfield Components Corp., 4-21	184 Shelburne St, Greenfield 16	Mass
Griffiths Electronics, Inc., 12	155 Summit St, Newark 3	NJ
Henry & Miller Industries, Inc., 7	675 Garfield Ave, Jersey City 5	NJ
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc., 12-13	2 Churchill Rd, Hingham 1	Mass
Horton-Angell Co., 2	27 Bicknell St, Attleboro	Mass
INDUSTRIAL DEVICES, INC., 4, Adv Pg 558	**Edgewater 8**	**NJ**
International Electronics Corp., (Mullard Equipment), 2-10-14-15	81 Spring St, New York 12	NY
Isolantite Mfg. Corp., 4	Stirling	NJ
Johnson & Hoffman Mfg. Corp., 2-9-10-11-15-20	31 E. Second St, Mineola	NY
Jones & Roy Co., 20	620 Commercial Ave, Covina	Cal
Kimble Glass, Sub Owens-Illinois, 6	P.O. Box 1035, Toledo 1	Ohio
King Laboratories, Inc., 14-20	127 Solar St, Syracuse 3	NY
Kirchberger & Co., Inc., M., 9-18	248 Humphrey St, Englewood	NJ
Kulite Tungsten Corp., 21	1040 Hoyt Ave, Ridgefield	NJ
Lancaster Glass Corp., 6	Lancaster 20	Ohio
A.D. Mackay, Inc., 14-17	198 Broadway, New York 38	NY
Mansol Ceramics Co., 18	140 Little St, Belleville	NJ
Materials for Electronics, Inc., 5-18	152-25 138 Ave, Jamaica 34	NY
Micacraft Products, Inc., 19	703 McCarter Hwy, Newark 5	NJ
Miller Co., L. C., 16	5005 E. Slauson Ave, L A 22	Cal
Molded Insulation Co., 4	335 E. Price St, Phila 44	Pa
Moody Machine Products Co., Inc., 2	42-46 Dudley St, Providence 5	RI
Mycalex Tube Socket Corp., 4	125 Clifton Blvd, Clifton	NJ
National Beryllia Corp., 5-18	4501 Dell Ave, North Bergen	NJ
National Carbon Co., Div., UCC, 1-14	270 Park Ave, New York 17	NY
National Video Corp., 12-13	4300 W. 47 St, Chicago 32	Ill
Owens-Illinois Glass Co., 4-6	P.O. Box 1035, Toledo 1	Ohio
PARAMOUNT PRODUCTS, CO., INC., 2-20, Adv Pg 478	**759 Ramsey Ave, Hillside 5**	**NJ**
Pix Mfg. Co., Inc., 15-20	75 Hudson St, Newark	NJ
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 2-8-9-10-12-13-14-15-18-20 Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radio Frequency Co., Inc., 4	44 Park St, Medfield	Mass
Rauland Corp., Zenith Subsidiary, 12-13	4245 N. Knox Ave, Chicago 41	Ill
Raytheon Co. Receiving Tube Div., 2-16-20	465 Centre St, Quincy 69	Mass
Research Development Manufacture Inc., 2-10	429 E. Collom St, Philadelphia 44	Pa
Romac Products Co., 2-4-7	48-01 25 Ave, Long Island City 3	NY
Romar Plastics Inc., 4	1311 E. Main St, St. Charles	Ill
Schuyler Mfg. Corp., 15	84 Porete Ave, North Arlington	NJ
SCIENTIFIC ELECTRONIC LABS., INC., 3-4-8, Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Solar Mfg. Corp., 18	4553 Seville Ave, Los Angeles 58	Cal
Stackpole Carbon Co., 1	201 Stackpole St, St. Marys	Pa
Staver Co., Inc., 9-10-11-15-16-20	41 N. Saxon Ave, Bay Shore	NY
Steward Mfg. Co., D.M., 18	3600 Jerrome Ave, Chattanooga 1	Tenn
Stromberg-Carlson, Div., Gen Dynamics Corp., 13	1895 Hancock St, San Diego 12	Cal
Superior Electronics Corp., 12-13	208 Piaget Ave, Clifton	NJ
SUPERIOR STEATITE & CERAMIC CORP., 9-18 Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
SUPERIOR TUBE CO., 2-10, Adv. Pgs. 86, 87	**2504 Germantown Pike, Norristown**	**Pa**
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 17	Towanda	Pa
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, 13, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
Sylvania Electric Prods Inc., Parts Div., 2-3-4-11-19-20-21	12 Second Ave, Warren	Pa
Telegraph Condenser Co., Ltd., 18	Wales Farm Rd, Acton London W. 3, England	
Thermionic Products Co., 2	Interhaven Ave, Plainfield	NJ
Thomas Electronics, Inc., 4-8-10-12-13-17	118 Ninth St, Passaic	NJ
Thor Ceramics, Inc., 4-18	225 Belleville Ave, Bloomfield	NJ
United Mineral & Chemical Corp., 3-9-19	16 Hudson St, New York 13	NY
U.S. Dielectric Products, Inc., 4	98 Adams St, Leominster	Mass
U.S. RADIUM CORP., 17, Adv Pg 418	**P.O. Box 246, Morristown**	**NJ**
VECTOR ELECTRONIC CO., 4, Adv Pg 562	**1100 Flower St, Glendale 1**	**Cal**
Volkert Stampings, Inc., 2-9-11-20	222-34 96th Ave, Queens Village 29	NY
Warren Components Div., El-Tronics, 4-9	S. Irvine St, Warren	Pa
WESTINGHOUSE ELECTRIC CORP., 3-4-14-20-21, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 2-8-12-13-16-20	P.O. Box 284, Elmira	NY
Westinghouse Electric Corp., Lamp Div., 3-4-20-21	Bloomfield	NJ
Westrex Corp., Div., Litton Industries, 9	540 W. 58 St, New York 19	NY

TUBE SHIELDS See **SHIELDS** *–TUBE*
TUBE SOCKETS See **SOCKETS**
TUBE PIN STRAIGHTENERS See **STRAIGHTENERS**

TUBES *–BALLAST*

Amperite Co., Inc.	561 Broadway New York 12	NY
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
State Labs.	215 Park Ave, S. New York 3	NY

TUBES *–BATTERY CHARGER*
TUBES *–BEAM-DEFLECTION* See **TUBES** *–COUNTER*
TUBES *–BOLOMETER* See **BOLOMETERS**

TUBES *–CATHODE-RAY*
1. DATA-STORAGE 2. OSCILLOSCOPE MULTIPLE-GUN 3. OSCILLOSCOPE SINGLE-GUN 4. SHAPED-BEAM 5. TV CAMERA PICKUP 6. TV PICTURE. BLACK & WHITE 7. TV PICTURE. COLOR 8. TV PROJECTION

Abtronics, Inc., 3-4	64 S. P St, Livermore	Cal
American Elite, Inc. (Telefunken), 3	48-50 34 St, Long Island City	NY
BAIRD-ATOMIC, INC., 1, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
CBS ELECTRONICS, DIV., CBS, INC., 3, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
C B S Laboratories, 2-3-8	227 High Ridge Rd, Stamford	Conn
Calvideo Tube Corp., 2-3-5-6-7-8	18601 S. Santa Fe Ave, Compton	Cal
Channel Master Co., 6	Ellenville	NY
Denson Electronics Corp., 5	P.O. Box 85, Rockville	Conn
Diamond Electronics Div, Diamond Power Specialty Corp., 5	Box 415, Lancaster	Ohio
Dimensions, Inc., 1-3	7314 - 20th Ave, Brooklyn 4	NY
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 1-2-3	750 Bloomfield Ave, Clifton	NJ
EMI-COSSOR ELECTRONICS LTD., 5, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electronic Tube Corp., 2-3	1200 E. Mermaid Ln, Philadelphia 18	Pa
English Electric Valve Co., Ltd., 1-5	Chelmsford, Essex, England	
FERRANTI ELECTRIC, INC., 3, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
General Electric Co., Cathode Ray Tube Dept., 2-3	Syracuse	NY
GENERAL ELECTRIC CO., POWER TUBE DEPT., 5, Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Ltd of England, 1-3	80 Shore Rd, Port Washington	NY
GENERAL ELECTRODYNAMICS CORP., 1-3-5, Adv. Pgs. 184, 185	**4430 Forest Ln, Garland**	**Tex**
Hoffman Co., H.L., 1-2-3-5-8	35 Old County Rd, Westbury	NY
Hughes Microwave Components Div., 1	Florence & Teale, Culver City	Cal
HUGHES VACUUM TUBE PRODUCTS DIV., 1-2-3-4, Adv Pg 149	**Oceanside**	**Cal**
ITT Laboratories, Components & Instrumentation Div., 1-2-3-5	3700 E. Pontiac St, Ft. Wayne	Ind
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 1, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
Litton Industries, Electron Tube Div., 1-3-4-8	960 Industrial Rd, San Carlos	Cal
MACHLETT LABORATORIES INC., 1-4-5, Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
MacKay Research Labs., 2	P.O. Box 738, Benson	Ariz
Marconi's Wireless Telegraph Co., Ltd., 5	750 Third Ave, New York 17	NY
Medistor Instrument Co., 2	1443 Northlake Way, Seattle 3	Wash
MULLARD OVERSEAS, LTD., 2-3-6, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
National Television Tube, Inc., 6	Rt 46, Saddle Brook	NJ
National Union Electric Corp., 1-3	Bloomington	Ill
National Video Corp., 6	4300 W. 47 St, Chicago 32	Ill
Nippon Electric Co., Ltd., 2-3-5-6	Shiba-Mita, Tokyo, Japan	
PEK Labs., Inc., 3	4024 Transport St, Palo Alto	Cal
PHILCO CORP., LANSDALE DIV., 6, Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
Pioneer Electronics Corp., 3-6	2235 S. Carmelina, W. Los Angeles 65	Cal
Polaris Engineering Corp., 3-6	5317 Cottage Grove Ave, Chicago	Ill
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-3-5-6-7-8, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Rank Cintel Ltd., 3-6-8	Worsley Bridge Rd, London S.E. 26, England	
Rauland Corp., Zenith Subsidiary, 1-6-7	4245 N. Knox Ave, Chicago 41	Ill
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-3-5-6-7-8, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 1-2-3, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Resitron Laboratories, Inc., 3-5	2908 Nebraska Ave, Santa Monica	Cal
Scopes Co., Inc., 2	P.O. Box 56, Monsey	NY
Sony Corp., 6	514 Broadway, New York 12	NY
Standard Telephones & Cables, Ltd., 6	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2-3-4-5-6-7-8	215 Park Ave, S. New York 3	NY
Stromberg-Carlson, Div., Gen Dynamics Corp., 1-4	1895 Hancock St, San Diego 12	Cal
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, 2-3-6-7, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
TECHNICAL APPARATUS BUILDERS, 2, Adv Pg 523	**2109 Liberty St, New York 6**	**NY**
TELECHROME MFG. CORP., 5, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
Thomas Electronics, Inc., 2-3-6	118 Ninth St, Passaic	NJ
TUNG-SOL ELECTRIC, INC., 6, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
Twentieth Century Electronics, Ltd., Centronics Works, 1-2-3	King Henry's Dr, New Addington, Surrey	Eng
WATERMAN PRODUCTS CO., INC., 3, Adv Pg 130	**2445 Emerald St, Philadelphia 25**	**Pa**
WESTINGHOUSE ELECTRIC CORP., 3-5-6, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 1-3-5-6	P.O. Box 284, Elmira	NY
Zenith Radio Corp., 1-3	6001 Dickens Ave, Chicago 39	Ill

TUBES *–CERAMIC*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
EDGERTON, GERMESHAUSEN & GRIER, INC., Adv Pg 425	**160 Brookline Ave, Boston**	**Mass**
EITEL-McCULLOUGH, INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
GENERAL ELECTRIC CO., POWER TUBE DEPT., Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
GENERAL ELECTRIC CO., RECEIVING TUBE DEPT., Adv Pg 12	**316 E. 9th St, Owensboro**	**Ky**
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
MACHLETT LABORATORIES INC., Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Resitron Laboratories, Inc	2908 Nebraska Ave, Santa Monica	Cal
State Labs., 1-2-3-4-5-6-7-8	215 Park Ave, S. New York 3	NY
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
Telegraph Condenser Co., Ltd	Wales Farm Rd, Acton London W. 3, England	
Vactronic Lab. Equipment, Inc	21 Monmouth Ct, East Northport	NY
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131–136	**Box 2278, Pittsburgh 30**	**Pa**

TUBES —*COUNTER*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
AMPEREX ELECTRONIC CORP., Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Burroughs Corp Electronic Tube Div	P. O. Box 1226, Plainfield	NJ
C B S Laboratories	227 High Ridge Rd, Stamford	Conn
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
Leighton Labs., H.W.	Sunset Ln & York Rd, Hatboro	Pa
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
State Labs	215 Park Ave, S. New York 3	NY
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	Eng
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131–136	**Box 2278, Pittsburgh 30**	**Pa**

TUBES —*DECADE COUNTER* See TUBES —*COUNTER*

TUBES —*ELECTROMETER*

American Elite, Inc. (Telefunken)	48-50 34 St, Long Island City	NY
FERRANTI ELECTRIC, INC., Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
International Electronics Corp., (Mullard Equip)	81 Spring St, New York 12	NY
MacKay Research Labs	P.O. Box 738, Benson	Ariz
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
State Labs	215 Park Ave, S. New York 3	NY

TUBES —*GEIGER-MULLER*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
Atomic Accessories Inc	811 W. Merrick Rd, Valley Stream	NY
BAIRD-ATOMIC, INC., Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
EMI-COSSOR ELECTRONICS LTD., Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electronic Products Co	111 E. Third St, Mt. Vernon	NY
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
International Electronics Corp., (Mullard Equip)	81 Spring St, New York 12	NY
Leighton Labs., H.W.	Sunset Ln & York Rd, Hatboro	Pa
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nuclear Chicago Corporation	333 E. Howard St, Des Plaines	Ill
Nuclear Development Lab	P.O. Box 7034, Kansas City	Mo
Nucleonic Corp of America	196 Degraw St, Brooklyn 31	NY
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
State Labs	215 Park Ave, S. New York 3	NY
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	Eng
U. S. Nuclear Corp	801 N. Lake St, Burbank	Cal
Western Radiation Lab	1107 W. 24 St, Los Angeles 7	Cal

TUBES —*GLOW OR DISCHARGE*
1. COLD-CATHODE 2. COLD-CATHODE TRIGGER 3. HOT-CATHODE

AEG, 1-3	Hochhaus Sued, Frankfurt/Main, Germany	
Abtronics, Inc., 2	64 S. P St, Livermore	Cal
AEROLUX LIGHTS CORP., 1-2-3, Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
Amglo Corp., 1-2	4333 N. Ravenswood Ave, Chicago 13	Ill
AMPEREX ELECTRONIC CORP., 1-2 Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
ANTON ELECTRONIC LABS., INC., 2, Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
BAIRD-ATOMIC, INC., 1-2, Adv. Pgs. 396, 397	**33 University Rd, Cambridge 38**	**Mass**
Blacklight Corp of America, 1-3	5112 Walnut Grove Ave, San Gabriel	Cal
Burroughs Corp Electronic Tube Div., 1	P. O. Box 1226, Plainfield	NJ
CBS ELECTRONICS, DIV., CBS, INC., 1-2, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Cerberus AG, 1-2	Mannedorf, Switzerland	
Diamond Electronics Div, Diamond Power Specialty Corp., 1	Box 415, Lancaster	Ohio
Electronic Products Co., 1	111 E. Third St, Mt. Vernon	NY
Elesta Ltd., Electronic Control Apparatus, 1-2	Bad Ragaz, Switzerland	
English Electric Valve Co., Ltd., 1-2	Chelmsford, Essex, England	
FERRANTI ELECTRIC, INC., 2, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
Fredericks Co., 1	Bethayres	Pa
General Electric Co., Ltd of England, 2	80 Shore Rd, Port Washington	NY
HUGHES VACUUM TUBE PRODUCTS DIV., 1-3, Adv Pg 149	**Oceanside**	**Cal**
International Electronics Corp., (Mullard Equipment), 1-2-3	81 Spring St, New York 12	NY
Kemlite Laboratories, Inc., 1	1819 W. Grand Ave, Chicago 22	Ill
Kip Electronics Corp., 1-2-3	615 Main St, Stamford	Conn
MacKay Research Labs., 3	P.O. Box 738, Benson	Ariz
Microwave Electronic Tube Co., Inc., 1-2-3	76 Lafayette St, Salem	Mass
MULLARD OVERSEAS, LTD., 1-2-3, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
National Union Electric Corp., 1	Bloomington	Ill
Nippon Electric Co., Ltd., 1-2-3	Shiba-Mita, Tokyo, Japan	
PEK Labs., Inc., 1	4024 Transport St, Palo Alto	Cal
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-2-3, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 1-2-3, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
RED BANK DIV., BENDIX AVIATION CORP., 1-2, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Standard Telephones & Cables, Ltd., 1-2-3	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2-3	215 Park Ave, S. New York 3	NY
STOKES CORP., F.J., 1, Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, 1, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
Sylvania Photolamp & Special Products, 1-2-3	60 Boston St, Salem	Mass
Tucor, Inc., 1-2-3	18 Marshall St, South Norwalk	Conn
TUNG-SOL ELECTRIC, INC., 3, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
Ultra-Violet Products, Inc., 1	5114 Walnut Grove Ave, San Gabriel	Cal
Veeco Vacuum Corp., 1	86 Denton Ave, New Hyde Park	NY
West Coast Research Corp., 3	2102 S. Sepulveda Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 1-3	P.O. Box 284, Elmira	NY

TUBES —*HEARING-AID*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
International Electronics Corp., (Mullard Equip)	81 Spring St, New York 12	NY
MULLARD OVERSEAS, LTD, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Rye Sound Corp	145 Elm St, Mamaroneck	NY
State Labs	215 Park Ave, S. New York 3	NY
Super Ear Products Co	32 Deering, East Rockaway	NY

TUBES —*HYDROGEN-THYRATRON* See TUBES —*THYRATRON*

TUBES —*IGNITRON*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
AMPEREX ELECTRONIC CORP., Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
English Electric Valve Co., Ltd	Chelmsford, Essex, England	
GENERAL ELECTRIC CO., POWER TUBE DEPT., Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
International Electronics Corp., (Mullard Equip)	81 Spring St, New York 12	NY
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
MULLARD OVERSEAS, LTD, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
State Labs	215 Park Ave, S. New York 3	NY
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div	P.O. Box 284, Elmira	NY

TUBES —*IMAGE CONVERTER* See TUBES —*CATHODE-RAY, TV CAMERA*
TUBES —*IONIZATION* See CHAMBERS —*IONIZATION*
TUBES —*METAL (MATERIAL)* See *METAL DESIRED*

TUBES —*MICROWAVE*
1. BACKWARD-WAVE (Incl. CARCINOTRON) 2. KLYSTRON 3. MAGNETRON 4. MAGNETRON, VOLTAGE-TUNABLE 5. TRAVELLING WAVE

American Radio Co., Inc., 1-5	445 Park Ave, New York 22	NY
AMPEREX ELECTRONIC CORP., 2-3-4, Adv. Pgs. 120–122	**230 Duffy Ave, Hicksville**	**NY**
Applied Radiation Corp., 2	2404 N. Main St, Walnut Creek	Cal
BOMAC LABORATORIES, INC., 1-2-3, Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Canadian Marconi Co., 3-5	2444 Trenton Ave, Montreal, Canada	
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 5	750 Bloomfield Ave, Clifton	NJ
EMI-COSSOR ELECTRONICS LTD., 2-3-5, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
EITEL-McCULLOUGH, INC., 2-5, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
Engineering Associates, 2	434 Patterson Rd, Dayton 19	Ohio
English Electric Valve Co., Ltd., 1-2-3-5	Chelmsford, Essex, England	
FERRANTI ELECTRIC, INC., 2-3, Adv Pg 117	**95 Madison Ave, Hempstead**	**NY**
GENERAL ELECTRIC CO., POWER TUBE DEPT., Adv Pg 13	**1-2-3-4-5, 1 River Rd, Schenectady 5**	**NY**
General Electric Co., Ltd of England, 1-2-3-5	80 Shore Rd, Port Washington	NY
High Voltage Engineering Corp., 5	Burlington	Mass
Hoffman Co., H.L., 2-3-4-5	35 Old County Rd, Westbury	NY
Huggins Laboratories, 1-5	999 Arques Ave, Sunnyvale	Cal
Hughes Microwave Components Div., 5	Florence & Teale, Culver City	Cal

Hughes Microwave Tube Div., 1-5	Intl. Airport Station, Los Angeles 45	Cal
ITT Federal Div., ITT, 5	100 Kingsland Rd, Clifton	NJ
International Electronics Corp., (Mullard Equipment), 1-2-3-4-5	81 Spring St, New York 12	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 3-5, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
Litton Industries, Electron Tube Div., 1-2-3-5	960 Industrial Rd, San Carlos	Cal
MacKay Research Labs., 3-4	P.O. Box 738, Benson	Ariz
Marconi's Wireless Telegraph Co., Ltd., 2-3-5	750 Third Ave, New York 17	NY
Microwave Associates, Inc., 3	Burlington	Mass
Microwave Electronic Tube Co., Inc., 1-2-3-4-5	76 Lafayette St, Salem	Mass
Microwave Electronics Corp., 1-5	4061 Transport St, Palo Alto	Cal
MULLARD OVERSEAS, LTD., 1-2-3-4-5, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd., 2-3-5	Shiba-Mita, Tokyo, Japan	
POLARAD ELECTRONICS CORP., 1-2, Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., 2, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., 2, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 2-3-4-5, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Rauland Corp., Zenith Subsidiary, 5	4245 N. Knox Ave, Chicago 41	Ill
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-2-3-4-5, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. MICROWAVE & POWER TUBE DIV., 1-2-3-4-5, Adv Pg 65	**Foundry Ave, Waltham 54**	**Mass**
RED BANK DIV., BENDIX AVIATION CORP., 1-2-5, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Sperry Electronic Tube Div., Sperry Rand Corp., 2-5	P.O. Box 652, Gainesville	Fla
Sperry Gyroscope Div., Sperry Rand, 2-5	Great Neck	NY
Standard Telephones & Cables, Ltd., 1-2-3-5	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2-3-4-5	215 Park Ave, S. New York 3	NY
Stewart Engineering Co., 1	467 Bean Creek Rd, Santa Cruz	Cal
Sylvania Electronic Systems, 1-2-3-5	63 Second Ave, Waltham	Mass
Tucor, Inc., 1-5	18 Marshall St, South Norwalk	Conn
VARIAN ASSOCIATES, 1-2-5, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Voi-Shan Electronics, 1-2-5	13259 Sherman Way, North Hollywood	Cal
Watkins-Johnson Co., 1-2-5	3333 Hillview Ave, Palo Alto	Cal
WESTINGHOUSE ELECTRIC CORP., 2-3-4-5 Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 2-3-4-5	P.O. Box 284, Elmira	NY

TUBES —*MINIATURE*

1. RECEIVING 2. TRANSMITTING

American Elite, Inc. (Telefunken), 1	48-50 34 St, Long Island City	NY
American Radio Co., Inc., 1	445 Park Ave, New York 22	NY
AMPEREX ELECTRONIC CORP., 1-2, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
CBS ELECTRONICS, DIV., CBS, INC., 1-2, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Central Electronic Mfrs., Div of Nuclear Corp of America, 2	2 Richwood Pl, Denville	NJ
DKE ELECTRONIC BASES CORP., 2, Adv Pg 512	**27 Wright St, Newark**	**NJ**
GENERAL ELECTRIC CO., RECEIVING TUBE DEPT., 1, Adv Pg 12	**316 E. 9th St, Owensboro**	**Ky**
General Electric Co., Ltd of England, 1-2	80 Shore Rd, Port Washington	NY
International Electronics Corp., (Mullard Equipment), 1-2	81 Spring St, New York 12	NY
MACHLETT LABORATORIES INC., 2, Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
Marconi's Wireless Telegraph Co., Ltd., 1-2	750 Third Ave, New York 17	NY
MULLARD OVERSEAS, LTD., 1-2, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
PHILCO CORP., LANSDALE DIV., 1, Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-2, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-2, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 1-2, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Raytheon Co. Receiving Tube Div., 1	465 Centre St, Quincy 69	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Resitron Laboratories, Inc., 2	2908 Nebraska Ave, Santa Monica	Cal
Sonotone Corp., 1	P.O. Box 200, Elmsford	NY
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2	215 Park Ave, S. New York 3	NY
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, 1-2, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
TECHNICAL APPARATUS BUILDERS, 1-2, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Thermosen, Inc., 1	375 Fairfield Ave, Stamford	Conn
TUNG-SOL ELECTRIC, INC., 1-2, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
Wells Co., Inc., Gary, 1	361 Rockaway Ave, Valley Stream	NY
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 1	P.O. Box 284, Elmira	NY

TUBES —*NOISE SOURCE*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Burroughs Corp Electronic Tube Div	P. O. Box 1226, Plainfield	NJ
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
Litton Industries, Electron Tube Div.	960 Industrial Rd, San Carlos	Cal
Microwave Electronic Tube Co., Inc	76 Lafayette St, Salem	Mass
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
PHILCO CORP., LANSDALE DIV., Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt 35, Eatontown**	**NJ**
State Labs	215 Park Ave, S. New York 3	NY
Thermosen, Inc	375 Fairfield Ave, Stamford	Conn
Tucor, Inc	18 Marshall St, South Norwalk	Conn

Waveline, Inc.	P.O. Box 718, Caldwell	NJ

TUBES —*NUMERAL-INDICATING See* INDICATORS —*DIGITAL TUBE-TYPE*
TUBES —*PHOTOFLASH See* LAMPS

TUBES —*PHOTOTUBES*

1. GENERAL-PURPOSE 2. MULTIPLIER

Abtronics, Inc., 1-2	64 S. P St, Livermore	Cal
AMPEREX ELECTRONIC CORP., 2 Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
C B S Laboratories, 1-2	227 High Ridge Rd, Stamford	Conn
Du Mont Labs., Inc., Allen B., Electronic Tube Div., 1-2	750 Bloomfield Ave, Clifton	NJ
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Electro-Mechanical Research, Inc., 2	P.O. Box 3041, Sarasota	Fla
Electron-Radar Products, 1	4806 W. Chicago Ave, Chicago 51	Ill
Energy Kontrols, Inc., 1	15 S. First St, Geneva	Ill
GENERAL ELECTRIC CO., RECEIVING TUBE DEPT., 1, Adv Pg 12	**316 E. 9th St, Owensboro**	**Ky**
GENERAL ELECTRODYNAMICS CORP., 2, Adv. Pgs. 184, 185	**4430 Forest Ln, Garland**	**Tex**
Hoffman Co., H.L., 1-2	35 Old County Rd, Westbury	NY
ITT Laboratories, Components & Instrumentation Div., 1-2	3700 E. Pontiac St, Ft. Wayne	Ind
International Electronics Corp., (Mullard Equip) 1	81 Spring St, New York 12	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 2, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
MacKay Research Labs., 1-2	P.O. Box 738, Benson	Ariz
MULLARD OVERSEAS, LTD., 1-2, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd., 1	Shiba-Mita, Tokyo, Japan	
Phoenix Precision Instrument Co., 2	3805 N. Fifth St, Philadelphia	Pa
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1-2, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Rank Cintel Ltd., 1-2	Worsley Bridge Rd, London S.E. 26, England	
State Labs., 1-2	215 Park Ave, S. New York 3	NY
Twentieth Century Electronics, Ltd., Centronics Works, 2	King Henry's Dr, New Addington, Surrey	Eng
Wells Industries Corp., 1	6880 Troost Ave, North Hollywood	Cal
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 2	P.O. Box 284, Elmira	NY

TUBES —*PIRANI See* GAGES —*VACUUM*

TUBES —*PLANAR*

DuMont Labs., Allen B	750 Bloomfield Ave, Clifton	NJ
EITEL-McCULLOUGH INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
GENERAL ELECTRIC CO., POWER TUBE DEPT., Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**

TUBES —*POWER AMPLIFIER*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
CBS ELECTRONICS, DIV., CBS, INC., Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
EITEL-McCULLOUGH, INC., Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
English Electric Valve Co., Ltd.	Chelmsford, Essex, England	
GENERAL ELECTRIC CO., POWER TUBE DEPT., Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
MACHLETT LABORATORIES INC., Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Penta Laboratories, Inc	312 N. Nopal St, Santa Barbara	Cal
Phoenix Precision Instrument Co	3805 N. Fifth St, Philadelphia	Pa
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. MICROWAVE & POWER TUBE DIV., Adv Pg 65	**Foundry Ave, Waltham 54**	**Mass**
Sonotone Corp	P.O. Box 200, Elmsford	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
TECHNICAL APPARATUS BUILDERS, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
United Electronics Co	42 Spring St, Newark 2	NJ
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div	P.O. Box 284, Elmira	NY

TUBES —*RADIAL-BEAM See* TUBES —*COUNTER*

TUBES —*RECEIVING*

American Elite, Inc. (Telefunken)	48-50 34 St, Long Island City	NY
AMPEREX ELECTRONIC CORP., Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
CBS ELECTRONICS, DIV., CBS, INC., Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Channel Master Co	Ellenville	NY
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Marconi's Wireless Telegraph Co., Ltd	750 Third Ave, New York 17	NY
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
PHILCO CORP., LANSDALE DIV., Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**

RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
Raytheon Co. Receiving Tube Div	465 Centre St, Quincy 69	Mass
Sonotone Corp	P.O. Box 200, Elmsford	NY
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
State Labs	215 Park Ave, S. New York 3	NY
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
TECHNICAL APPARATUS BUILDERS, Adv Pg 523	**109 Liberty St, New York 6**	**NY**
Thermosen, Inc	375 Fairfield Ave, Stamford	Conn
TUNG-SOL ELECTRIC, INC., Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div	P.O. Box 284, Elmira	NY

TUBES —*RECTIFYING*
1. GAS-FILLED 2. VACUUM

AEG, 1	Hochhaus Sued, Frankfurt/Main, Germany	
AEROLUX LIGHTS CORP., 1, Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
AMPEREX ELECTRONIC CORP., 1-2, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
Bon-De Electronic Labs., Inc., 2	135 Cabot St, Beverly	Mass
CBS ELECTRONICS, DIV., CBS, INC., 2, Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Central Electronic Mfrs., Div of Nuclear Corp of America, 2	2 Richwood Pl, Denville	NJ
Comet Co., 2	72, Waldegst Liebefeld, Berne, Switzerland	
Djeco, Div., Djordjevic Engrg Co., 1-2	1933 N. Damen, Chicago 47	Ill
EITEL-McCULLOUGH, INC., 1-2, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
Electronic Enterprises, Inc., 1-2	65 7th Ave, Newark 4	NJ
Electrons, Inc., 1	127 Sussex Ave, Newark 3	NJ
English Electric Valve Co., Ltd., 1-2	Chelmsford, Essex, England	
Eureka X-Ray Tube Corp., 2	3250 N. Kilpatrick Ave, Chicago 41	Ill
Fredericks Co., 1-2	Bethayres	Pa
GENERAL ELECTRIC CO., POWER TUBE DEPT., 1-2, Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
GENERAL ELECTRIC CO., RECEIVING TUBE DEPT., 2, Adv Pg 12	**316 E. 9th St, Owensboro**	**Ky**
General Electric Co., Ltd of England, 1-2	80 Shore Rd, Port Washington	NY
Gordos Corp., 1	250 Glenwood Ave, Bloomfield	NJ
HUGHES VACUUM TUBE PRODUCTS DIV., 1-2, Adv Pg 149	**Oceanside**	**Cal**
Industrial Tubes, Inc., 1	321 Stevens St, Geneva	Ill
International Electronics Corp., (Mullard Equipment), 1-2	81 Spring St, New York 12	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 1-2, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
Lewis & Kaufman Electronics Corp., 2	P.O. Box 337, Los Gatos	Cal
MACHLETT LABORATORIES INC., 2, Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
Marconi's Wireless Telegraph Co., Ltd., 1	750 Third Ave, New York 17	NY
Microwave Electronic Tube Co., Inc., 1	76 Lafayette St, Salem	Mass
MULLARD OVERSEAS, LTD., 1-2, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
NATIONAL ELECTRONICS, INC., A SUB OF EITEL McCULLOUGH, INC., 1, Adv Pg 445	**628 North St, Geneva**	**Ill**
Nippon Electric Co., Ltd., 1-2	Shiba-Mita, Tokyo, Japan	
PEK Labs., Inc., 2	4024 Transport St, Palo Alto	Cal
PHILCO CORP., LANSDALE DIV., 2, Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 1, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 1-2, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 1-2, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
Raytheon Co. Receiving Tube Div., 2	465 Centre St, Quincy 69	Mass
RED BANK DIV., BENDIX AVIATION CORP., 1-2, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Resitron Laboratories, Inc., 1-2	2908 Nebraska Ave, Santa Monica	Cal
Sonotone Corp., 2	P.O. Box 200, Elmsford	NY
Sperti-Faraday, 2	722 Grand St, Hoboken	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2	215 Park Ave, S. New York 3	NY
SYLVANIA ELECTRIC PRODUCTS INC., ELECTRONIC TUBES, 1-2, Adv Pg 85	**1740 Broadway, New York 19**	**NY**
Ther Electric & Machine Works	17 S. Jefferson St, Chicago 6	Ill
Thermosen, Inc., 2	375 Fairfield Ave, Stamford	Conn
TUNG-SOL ELECTRIC, INC., 1-2, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
United Electronics Co., 1-2	42 Spring St, Newark 2	NJ
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 1-2	P.O. Box 284, Elmira	NY

TUBES —*STORAGE* See TUBES —*CATHODE-RAY*
TUBES —*STROBOSCOPIC* See LAMPS

TUBES —*THYRATRON*
1. COINCIDENCE 2. HYDROGEN THYRATRON 3. MINIATURE 4. THYRATRON

AEG, 2-4	Hochhaus Sued, Frankfurt/Main, Germany	
AMPEREX ELECTRONIC CORP., 2-3-4, Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
Electronic Enterprises, Inc., 2-4	65 7th Ave, Newark 4	NJ
Electrons, Inc., 4	127 Sussex Ave, Newark 3	NJ
English Electric Valve Co., Ltd., 2-4	Chelmsford, Essex, England	
GENERAL ELECTRIC CO., POWER TUBE DEPT., 2-4, Adv Pg 13	**1 River Rd, Schenectady 5**	**NY**
General Electric Co., Ltd of England, 2	80 Shore Rd, Port Washington	NY
Hughes Microwave Components Div., 4	Florence & Teale, Culver City	Cal
HUGHES VACUUM TUBE PRODUCTS DIV., 1-2, Adv Pg 149	**Oceanside**	**Cal**
Industrial Tubes, Inc., 4	321 Stevens St, Geneva	Ill
International Electronics Corp., (Mullard Equipment), 2-3-4	81 Spring St, New York 12	NY
INT TEL & TEL CORP., COMPONENTS DIV., ELECTRON TUBE DEPT., 2, Adv Pg 474	**P.O. Box 412, Clifton**	**NJ**
Kip Electronics Corp., 1-3-4	615 Main St, Stamford	Conn
MacKay Research Labs., 2	P.O. Box 738, Benson	Ariz
Marconi's Wireless Telegraph Co., Ltd., 2	750 Third Ave, New York 17	NY
MULLARD OVERSEAS, LTD., 2-3-4, Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
NATIONAL ELECTRONICS, INC., A SUB OF EITEL McCULLOUGH, INC., 4, Adv Pg 445	**628 North St, Geneva**	**Ill**
Nippon Electric Co., Ltd., 2-4	Shiba-Mita, Tokyo, Japan	
Penta Laboratories, Inc., 2	312 N. Nopal St, Santa Barbara	Cal
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 2-3-4, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., 2-3-4, Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., 1-3-4, Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
RED BANK DIV., BENDIX AVIATION CORP., 2-4, Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Standard Telephones & Cables, Ltd., 1-2-3-4	63 Aldwych, London W. C. 2	Eng
State Labs., 1-2-3-4	215 Park Ave, S. New York 3	NY
Tucor, Inc., 1-3-4	18 Marshall St, South Norwalk	Conn
TUNG-SOL ELECTRIC, INC., 2-3-4, Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
WESTINGHOUSE ELECTRIC CORP., 4, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div., 4	P.O. Box 284, Elmira	NY

TUBES —*TR, PRE TR & ANTI TR*

BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
Microwave Associates, Inc	Burlington	Mass
Microwave Electronic Tube Co., Inc	76 Lafayette St, Salem	Mass
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
State Labs	215 Park Ave, S. New York 3	NY
Tucor, Inc	18 Marshall St, South Norwalk	Conn
TUNG-SOL ELECTRIC, INC., Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Electronic Tube Div	P.O. Box 284, Elmira	NY

TUBES —*VOLTAGE REFERENCE OR REGULATING (Incl. CORONA-TYPE)*

AEROLUX LIGHTS CORP., Adv Pg 478	**653 Eleventh Ave, New York 36**	**NY**
American Elite, Inc. (Telefunken)	48-50 34 St, Long Island City	NY
AMPEREX ELECTRONIC CORP., Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
ANTON ELECTRONIC LABS., INC., Adv Pg 428	**1226 Flushing Ave, Brooklyn 37**	**NY**
CBS ELECTRONICS, DIV., CBS, INC., Adv Pg 405	**100 Endicott St, Danvers**	**Mass**
Central Electronic Mfrs., Div Nuclear Corp America	2 Richwood Pl, Denville	NJ
Cerberus AG	Mannedorf, Switzerland	
Electronic Enterprises, Inc	65 7th Ave, Newark 4	NJ
Electronic Products Co	111 E. Third St, Mt. Vernon	NY
Elesta Ltd., Electronic Control Apparatus	Bad Ragaz, Switzerland	
English Electric Valve Co., Ltd	Chelmsford, Essex, England	
GENERAL ELECTRIC CO., RECEIVING TUBE DEPT., Adv Pg 12	**316 E. 9th St, Owensboro**	**Ky**
General Electric Co., Ltd of England	80 Shore Rd, Port Washington	NY
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
HUGHES VACUUM TUBE PRODUCTS DIV., Adv Pg 149	**Oceanside**	**Cal**
International Electronics Corp., (Mullard Equip)	81 Spring St, New York 12	NY
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
National Union Electric Corp	Bloomington	Ill
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
PHILCO CORP., LANSDALE DIV., Adv. Pgs. 78, 79	**501 Church Rd, Lansdale**	**Pa**
Radiation Research Corp	1114 First Ave, New York 21	NY
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
RAYTHEON CO. DISTRIBUTOR PRODUCTS DIV., Adv Pg 68	**411 Providence Tpke, Westwood**	**Mass**
RAYTHEON CO. INDUSTRIAL COMPONENTS DIV., Adv. Pgs. 66, 67	**45 Chapel St, Newton 58**	**Mass**
RED BANK DIV., BENDIX AVIATION CORP., Adv Pg 257	**Rt. 35, Eatontown**	**NJ**
Signalite, Inc	37-41 Neptune Hwy, Neptune	NJ
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
State Labs	215 Park Ave, S. New York 3	NY
Superior Electric Co	83 Laurel St, Bristol	Conn
Thermosen, Inc	375 Fairfield Ave, Stamford	Conn
TUNG-SOL ELECTRIC, INC., Adv. Pgs. 170, 171	**1 Summer Ave, Newark 4**	**NJ**
VICTOREEN INSTRUMENT CO., COMPONENTS DIV., Adv. Pgs. 260, 368	**5806 Hough Ave, Cleveland 3**	**Ohio**
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

TUBES —*X-RAY*

AMPEREX ELECTRONIC CORP., Adv. Pgs. 120-122	**230 Duffy Ave, Hicksville**	**NY**
Comet Co	72, Waldegst Liebefeld, Berne, Switzerland	
Eureka X-Ray Tube Corp	3250 N. Kilpatrick Ave, Chicago 41	Ill
Field Emission Corp	212 N. Ford St, McMinnville	Ore
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
MACHLETT LABORATORIES INC., Adv Pg 69	**1063 Hope St, Springdale**	**Conn**
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Philips Electronic Instruments	750 S. Fulton Ave, Mt. Vernon	NY
Picker X Ray Corp	25 S. Broadway, White Plains	NY
Resitron Laboratories, Inc	2908 Nebraska Ave, Santa Monica	Cal
State Labs	215 Park Ave, S. New York 3	NY
Twentieth Century Electronics, Ltd., Centronics Works	King Henry's Dr, New Addington, Surrey	Eng
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
X-Ray Products Corp	7829 Industry Ave, Pico-Rivera	Cal

TUBE TESTERS See TESTERS —*TUBE*
TUBE-TYPE CONVERTERS — A-C TO A-C See CONVERTERS —*POWER*

TUBING —*METALLIC (Incl. SLEEVES)*
1 ALUMINUM 2. BRASS 3. BRONZE 4. COLUMBIUM 5. COPPER 6. FLEXIBLE METAL 7. GOLD 8. MAGNESIUM 9. MOLYBDENUM 10. NICKEL 11. PLATINUM 12. SILVER 13. STEEL 14. STEEL. PLATED OR COATED 15. STEEL-STAINLESS 16. TANTALUM 17. TITANIUM 18. TUNGSTEN-WAVEGUIDE See **WAVEGUIDE TUBING** *19. ZIRCONIUM 20. WOVEN OR KNITTED WIRE*

Aeroquip Corp., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19	300 S. East St, Jackson	Mich
Airtron, Div of Litton Industries, 1-2-3-5-6-8	200 E. Hanover Ave, Morris Plains	NJ
ALPHA WIRE CORP., 1, Adv Pg 266	**200 Varick St, New York 14**	**NY**
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Instrument Co., Inc., 15	8030 Georgia Ave, Silver Spring	Md
Anaconda American Brass Co., 2-3-5-6	414 Meadow St, Waterbury 20	Conn
Armco Steel Corp., 13-14	703 Curtis St, Middletown	Ohio
Associated Engineering & Mfg. Corp., 16-18	Glen Ridge	NJ
Avon Tube Div., Higbie Mfg. Co., 13-14	Wagner Rd, Rochester	Mich
Babcock & Wilcox Co., Tubular Products Div., 13-15	Beaver Falls	Pa
Bishop & Co., J., Platinum Works, 4-7-9-10-11-13-14-15-16-17-19-20	Malvern	Pa
Brainin Corp., C. S., 7-11-12	320 Washington St, Mt. Vernon	NY
Bram Metallurgical Chemical Co., 1-2-3-4-5-7-8-9-10-11-12-15-16-17-18-19	820 65 Ave, Philadelphia 26	Pa
Breeze Corps., 6-20	700 Liberty Ave, Union	NJ
Bridgeport Brass Co., 1-2-3-4-5-9-10-16-17-19	30 Grand St, Bridgeport	Conn
Buckbee Mears Co., 20	Toni Bldg, St. Paul	Minn
Carborundum Co., 19	Dept. A.B., Niagara Falls	NY
Carpenter Steel Co., 15-17-19	6th & Washington, Reading	Pa
Chase Brass & Copper Co., Inc., 2-3-5-15-19	236 Grand St, Waterbury 20	Conn
Clifton Conduit Corp., 6-13	3300 Eastbourne Ave, Baltimore	Md
Composite Industrial Metals, Inc., 7-11-12	235 Georgia Ave, Providence 5	RI
Co-Operative Industries, Inc., 6	100 Oakdale Rd, Chester	NJ
CRUCIBLE STEEL CO OF AMERICA, 10-13-15-17-19, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
Crystal-X Corp., 10	403 Lenni Rd, Lenni Mills	Pa
Eastern Smelting & Refining Corp., 7-11-12	107-109 W. Brookline St, Boston 18	Mass
Electronic Parts Mfg. Co., Inc., 2-9-10	508-10 25th St, Union City	NJ
Engelhard Industries, Inc., 1-2-3-5-8-11	113 Astor St, Newark 2	NJ
Fansteel Metallurgical Corp., 4-9-16-18	2200 Sheridan, N. Chicago	Ill
Flexaust Co., The, 6	100 Park Ave, New York 17	NY
Flexonics Corp., 6-15	1417 S. 3rd Ave, Maywood	Ill
GEORGE PRODUCTS, INC., 1-2-3-4-5-7-8-9-10-11-12-13-14-15-16-17-19, Adv Pg 492	**104 Dorsa Ave, Livingston**	**NJ**
HANDY & HARMAN, 7-12, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Haydon Corp., 13-14	3815-9th Ave, New York 34	NY
Haynes Stellite Co., Div., UCC, 10-16	1020 W. Park Ave, Kokomo	Ind
Horton-Angell Co., 2-3-5-7-10-12	27 Bicknell St, Attleboro	Mass
I.E. Manufacturing, 13	325 N. Hoyne Ave, Chicago 12	Ill
Improved Seamless Wire Co., 7-12	775 Eddy St, Providence 5	RI
International Nickel Co., Inc., 10	67 Wall St, New York 5	NY
J.F.D. ELECTRONICS CORP., 1, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Johnson Matthey & Mallory Ltd., 7-11-12	110 Industry St, Toronto, Ontario, Canada	
Kulite Tungsten Corp., 9-18	1040 Hoyt Ave, Ridgefield	NJ
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
LAPOINTE INDUSTRIES, INC., 1, Adv Pg 393	**155 W. Main St, Rockville**	**Conn**
LEACH & GARNER CO., INDUSTRIAL DIV., 2-3-5-7-12, Adv Pg 531	**Attleboro**	**Mass**
Lindsay Antenna & Specialty Prods., Ltd., 1-5-13	50 Mary St, Lindsay, Ontario, Canada	
A.D. Mackay, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19	198 Broadway, New York 38	NY
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 20, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
Materials for Electronics, Inc., 9	152-25 138 Ave, Jamaica 34	NY
Montgomery Co., 20	20 Canal Bank, Windsor Locks	Conn
Murex, Ltd., 4-9-16-18	Rainham, Essex, England	
National Research Corp., Metals Div., 16	70 Memorial Dr, Cambridge 42	Mass
NEY CO., J.M., 7, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Ohio Seamless Tube Div., Copperweld Steel Co 13-14	Shelby	Ohio
Pfister Aluminum Corp., 1	54 W. Allendale Ave, Allendale	NJ
PHELPS DODGE COPPER PRODUCTS CORP., 2-3-5, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Porter Co., Inc. H.K., National Electric Div., 14	Porter Bldg, Pittsburgh 19	Pa
PRECISION PAPER TUBE CO., 1, Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
Precision Tube Co., Inc., 1-2-3-5-10-13-15	Church & Wissahickon, North Wales	Pa
REMBAR CO., INC., THE, 4-9-16-18, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Republic Steel Corp., 13-14-15	Republic Bldg, Cleveland 1	Ohio
Resinite Corp., Div., Precision Paper Tube Co., 1-5	6981 N. Central Park Ave, Chicago 45	Ill
Revere Copper & Brass, Inc., 1-2-3-5-13	230 Park Ave, New York 17	NY
Reynolds Metals Co., 1	P.O. Box 2346 ZE, Richmond 18	Va
ROHN MFG. CO., 13-14, Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rome Cable Div of Alcoa, 1-13	Ridge St, Rome	NY
Ryerson & Son, Inc., J.T., 1-13-15	2558 W. 16th St, Chicago 8	Ill
Schuyler Mfg. Corp., 20	84 Porete Ave, North Arlington	NJ
SCIENTIFIC ELECTRONIC LABS., INC., Adv Pg 540	**866 Bergen St, Newark 8**	**NJ**
Semi-Alloys, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13-16-17-18-19	550 S. Fulton Ave, Mt. Vernon	NY
Standard Metals Corp., 1-2-3-5-7-10-11-12-14-15	Broad & Whiting St, North Attleboro	Mass
SUPERIOR TUBE CO., 4-10-13-15-16-17-19, Adv. Pgs. 86, 87	**2504 Germantown Pike, Norristown**	**Pa**
Technical Wire Products, Inc., 20	48 Brown Ave, Springfield	NJ
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 4-7-10-11-12-15-16-19-20, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermionic Products Co., 9-18-20	Interhaven Ave, Plainfield	NJ
Timken Roller Bearing Co., 13-15	Canton 6	Ohio
Titeflex, Inc., 6	534 Hendee St, Springfield	Mass
Trent Tube Co., 10-15-17-19	498 S. Church St, East Troy	Wisc
Uniform Tubes, 1-2-5-7-10-12-13-15	Collegeville 2	Pa
Union Carbide Metals Co., Div., UCC, 4	270 Park Ave, New York 17	NY
United Mineral & Chemical Corp., 19	16 Hudson St, New York 13	NY
U.S. Hoffman Machinery Corp., 13	103 4th Ave, New York 3	NY
U.S. Steel Corp., 13-15-20	525 Wm Penn Pl, Pittsburgh 30	Pa
United Wire & Supply Corp., 1-2-5	1497 Elmwood Ave, Providence 7	RI
Var-Lac-Oid Chemical Co., 4-7-9-10-11-12-16-17-18-19	116 Broad St, New York 4	NY
Video Industries Co., 1	242 Madison Ave, Port Chester	NY
Wah Chang Corp., 4	233 Broadway, New York 7	NY
Wallingford Steel Co., 15	Valley St, Wallingford	Conn
ZIPPERTUBING CO., 1-5-20, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

TUBING —*NONMETALLIC (Incl. SLEEVES)*
1. ALUMINIUM OXIDE 2. ASBESTOS 3. CERAMIC 4. CERAMIC. METALLIZED 5. FABRIC 6. FUSED QUARTZ 7. GLASS FIBER 8. GLASS. METALLIZED 9. GLASS. PRECISION 10. MICA 11. PAPER 12. PAPER. VARNISHED OR LACQUERED-PLASTICS See **PLASTICS** — *RODS & TUBING* —**RUBBER** See **RUBBER** —*PARTS 13. VARNISHED CAMBRIC 14. VULCANIZED FIBRE*

ACCURATE PAPER TUBE CO., 2-10-11, Adv Pg 522	**801 N. Peoria St, Chicago 22**	**Ill**
Acme Wire Co., 12-13	New Haven 14	Conn
Alite Div., U.S. Stoneware Co., 1-3-4	P.O. Box 119, Orrville	Ohio
Allied Plastics Supply Corp., 5-7-10-11-12-13-14	75 Cliff St, New York 38	NY
AMERICAN LAVA CORP., 3, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
American Mica Insulation Co., 5-10-11-12-14	235 Parker Ave, Manasquan	NJ
AMERICAN SUPER-TEMPERATURE WIRES, INC., 7, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Asheville-Schoonmaker Mica Co., 10	900 Jefferson Ave, Newport News	Va
Associated Engineering & Mfg. Corp., 6	Glen Ridge	NJ
Auburn Mfg. Co., The, 2-11-13-14	Pease Ave & Stack St, Middletown	Conn
B & C Insulation Products, Inc., 7-13	490 Lincoln Highway, Iselin	NJ
Bache & Co., Semon, 9	636 Greenwich St, New York 14	NY
Bemis Bro Bag Co., 5	111 N. Fourth St, St. Louis 2	Mo
Bentley-Harris Mfg. Co., 7	Conshohocken 13	Pa
BIRNBACH RADIO CO., INC., 7-13, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
BLACKBURN, INC., P.W., 6, Adv Pg 550	**67 Main St, Dobbs Ferry**	**NY**
Bram Metallurgical Chemical Co., 6-10	820 65 Ave, Philadelphia 26	Pa
Brand William-Rex Div., 7-13	31 Sudbury Rd, Concord	Mass
CARBORUNDUM CO., LATROBE PLANT, 1-3-4, Adv. Pgs. 230, 231	**Latrobe**	**Pa**
CENTRALAB ELECTRONICS, DIV., GLOBE UNION, INC., 3-4, Adv Pg 281	**914Y E. Keefe Ave, Milwaukee 1**	**Wisc**
Ceramco Inc., Chemists, 4-8	173 Ridge St, Newark 4	NJ
Cleveland Container Co., 2-11-12	6201 Barberton Ave, Cleveland 2	Ohio
Cleveland Mica Co., 10	1360 Hird Ave, Lakewood	Ohio
Component Research Co., Inc., 8-9	3019 S. Orange Dr, Los Angeles 16	Cal
CONTINENTAL-DIAMOND FIBRE CORP., 10-14, Adv. Pgs. 205-208	**Newark 100**	**Del**
Coors Porcelain Co., 1-3-4	600 Ninth St, Godlen	Colo
CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV., 8-9, Adv Pg 485	**550 High St, Bradford**	**Pa**
Crystal-X Corp., 11	403 Lenni Rd, Lenni Mills	Pa
Daniels, Inc., C.R., 5-7	Daniels	Md
Diamonite Products Mfg. Co., 1	Shreve	Ohio
Dielectric Materials Co., 13	5315-17 N. Ravenswood, Chicago	Ill
Du-Co Ceramics Co., 3-4	1050 Main St, Saxonburg	Pa
Duramic Products, Inc., 1-3	426 Commercial Ave, Palisades Park	NJ
ELECTRICAL INSULATION CO., INC., 7-14, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Electrical Refractories Co., 3	50 Clark St, E. Palestine	Ohio
Emerson Plastics Corp., 7	1383 Seabury Ave, Bronx 61	NY
Filmohm Corp., 8	48 W. 25 St, New York 10	NY
Fischer & Porter Co., 9	476 Warminster Rd, Warminster	Pa
Flexaust Co., The, 5	100 Park Ave, New York 17	NY
Form-It Products, Inc., 11-12	1619 W. Walnut St, Chicago 12	Ill
Franklin Fibre Lamitex Corp., 5-7-11-12-14	P.O. Box 1768, Wilmington	Del
GENERAL CERAMICS, DIV., INDIANA GENERAL CORP., 3-4, Adv Pg 471	**Keasbey**	**NJ**
General Electric Co., Lamp Glass Dept, EBG-8, 6	Nela Park, Cleveland 12	Ohio
GENERAL ELECTRIC CO., WILLOUGHBY QUARTZ PLANT, 6, Adv Pg 16	**Dept. EBG-60, Willoughby**	**Ohio**
General Plastics Corp., 7	P.O. Box 1689, Paterson	NJ
Gladding, McBean & Co., 1-3-4	1551 S. Primrose St, Monrovia	Cal
Illumitronic Engineering, 3-14	680 E. Taylor, Sunnyvale	Cal
Insulation Manufacturers Corp., 2-5-7-10-11-12-13-14	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg. Corp., 3-4	Stirling	NJ
Johns-Manville, 2-7	22 E. 40 St, New York 16	NY
Jonesville Paper Tube Corp., 11	474 Beck Rd, Jonesville	Mich
KEARFOTT DIV., GEN PRECISION, INC., 1-3-4, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kirchberger & Co., Inc., M., 3	248 Humphrey St, Englewood	NJ
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
Laboratory Equipment Corp., 1-3	Lakeview & Hilltop Rd, St. Joseph	Mich
MARKEL & SONS, L. FRANK, 5-7, Adv Pg 565	**School House La, Norristown**	**Pa**
Maryland Lava Co., 3	Dept GB, Bel Air	Md
Materials for Electronics, Inc., 1-3	152-25 138 Ave, Jamaica 34	NY
Mica Fabricating Co., 3-10-14	53 Central Ave, Rochelle Park	NJ
Mica Insulator, Div Minnesota Mng. & Mfg. Co., 10	797 Broadway, Schenectady 1	NY
Micacraft Products, Inc., 10	703 McCarter Hwy, Newark 5	NJ
Middlesex Paper Tube Co., Inc., 11	345 Chelmsford St, Lowell	Mass
Minnesota Mining & Mfg. Co., 5-7-10-13	900 Bush Ave, St. Paul 6	Minn
Mitronics, Inc., 1-3-4	1290 Central Ave, Hillside	NJ
Murray Plastics Co., 7	River Rd, New Hamburg	NY
MYCALEX CORP OF AMERICA, 10, Adv Pg 237	**125 Clifton Blvd, Clifton**	**NJ**
National Beryllia Corp., 1-3-4	4501 Dell Ave, North Bergen	NJ
National Ceramic Co., 3	400 Southard St, Trenton 2	NJ
National Electric Coil Div., McGraw Edison Co., 7	800 King Ave, Columbus 16	Ohio
National Vulcanized Fibre Co., 14	Box 311, Wilmington 99	Del
NATVAR CORP., 7-13, Adv Pg 501	**Woodbridge**	**NJ**
Niemand Bros, Inc., 11	45-10 94 St, Elmhurst 73	NY
Norton Co., 1-3	1 New Bond St, Worcester 6	Mass
Oki & Willadsen, Ltd., 10-13-14	47 Crockford Blvd, Toronto 16, Ontario, Canada	
PARAMOUNT PAPER TUBE CORP., 2-11-12-14, Adv Pg 542	**614 Lafayette St, Fort Wayne**	**Ind**
Penn Fibre & Specialty Co., 14	2020 E. Westmoreland St, Philadelphia 34	Pa
Philadelphia Scientific Glass Co., 9	Quakertown	Pa
Porter Co., Wm., 7	1007 Sante Fe Ave, Los Angeles	Cal
PRECISION PAPER TUBE CO., 2-11-12, Adv Pg 541	**2041 W. Charleston St, Chicago 47**	**Ill**
Resinite Corp. Div. Prec. Paper Tube Co. 2-10-12	6981 N. Central Park Ave, Chicago 45	Ill
Resinite Dept., Borden Chemical Co., 7	P.O. Box 430, Compton	Cal
SHAW INSTRUMENT CORP., 4, Adv Pg 527	**P. O. Box G-46, Latrobe**	**Pa**
Solar Mfg. Corp., 3-4	4553 Seville Ave, Los Angeles 58	Cal
Spaulding Fibre Co., Inc., 14	310 Wheeler St, Tonawanda	NY
Star Porcelain Co., 3	61 Muirhead Ave, Trenton 9	NJ
Stevens Products, Inc., 7-11	86-88 Main St, East Orange	NJ
Stone Paper Tube Co., Div., Stone Straw Corp., 2-11-12	900 Franklin St, N.E., Washington 17	DC

SUPERIOR STEATITE & CERAMIC CORP., 3, Adv Pg 557	**83-91 W. Forest Ave, Englewood**	**NJ**
SYNCOR PRODUCTS CO., 6, Adv Pg 530	**30 Eastern Ave, Malden**	**Mass**
Telegraph Condenser Co., Ltd., 3-4	Wales Farm Rd, Acton London W. 3, England	
Thermal American Fused Quartz Co., Inc., 6	18-20 Salem St, Dover	NJ
Thompson Fiber Glass Co., H.I., 7	1733 Cordova St, Los Angeles 7	Cal
Tingstol Co., 5-7-14	1340 W. Fullerton, Chicago 14	Ill
United Mineral & Chemical Corp., 10	16 Hudson St, New York 13	NY
VARFLEX CORP., 5-7-13, Adv Pg 146	**506 W. Court St, Rome**	**NY**
WESTINGHOUSE ELECTRIC CORP., 6-9, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 6-9	Bloomfield	NJ
Wilmington Fibre Specialty Co., 14	New Castle 6	Del
ZIPPERTUBING CO., 2-5-6-7, Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**
Zirconium Corp of America, 1-3	31501 Solon Rd, Solon 39	Ohio

TUBING —*WAVEGUIDE* See WAVEGUIDE TUBING

TUNERS —*ENTERTAINMENT, RADIO & TV*
1. A-M 2. A-M/F-M 3. F-M 4. PERMEABILITY-TYPE A-M, F-M OR TV 5. TV 6. UHF

Aermotive Equipt Corp., 2-4	1632-8 Central St, Kansas City 10	Mo
American Geloso Electronics, 2-3	251 Park Ave S., New York	NY
Andrea Radio Corp., 2-5	27-01 Bridge Pl N., Long Island City 1	NY
Bell Sound Div., TRW, Inc., 2-3	555 Marion Rd, Columbus	Ohio
Blonder-Tongue Laboratories, Inc., 2-3	Dept EBG, 9 Alling St, Newark 2	NJ
Bogen-Presto Div., Siegler Corp., 1-2-3-4	P.O. Box 500, Paramus	NJ
Browning Labs., Inc., 1-2-3	100 Union Ave, Laconia	NH
Channel Master Co., 2	Ellenville	NY
Chisholm Industries, Ltd., 1-5	Electronic St, Port Moody, B.C. Canada	
Continental Manufacturing, Inc., 1-2-3	1612 California St, Omaha	Neb
DX Radio Products Co., Inc., 6	2300 Armitage Ave, Chicago 47	Ill
Denson Electronics Corp., 3	P.O. Box 85, Rockville	Conn
Dukane Corp., 2	St. Charles	Ill
Dynamic Electronics, Capehart Corp., 1-2-3-4-5-6	87-46 123 St, Richmond Hill 18	NY
Electron, 1-2-3	P.O. Box 8, Syracuse 11	NY
Electronic Applications, Inc., 3	194 Richmond Hill Ave, Stamford	Conn
Eric Engineering Co., 1-2-3-4	1823 Colorado Ave, Santa Monica	Cal
Fanon Electronic Industries, Inc., 1-2-3	439 Frelingheysen Ave, Newark	NJ
Fisher Radio Corp., 1-2-3	21-21 Forty Fourth Dr, L.I. City 1	NY
Gonset Div., Young Spring & Wire Corp., 3	801 S. Main St, Burbank	Cal
Granco Products, Inc., 2-3	83-30 Kew Gardens Rd, Kew Gardens	NY
Harman-Kardon, Inc., 2-3	520 Main St, Westbury	NY
Heath Co., A Sub of Daystrom, Inc., 1-2-3	Benton Harbor	Mich
Knight Electronics, 1-2-3	210 S. Des Plaines St, Chicago 6	Ill
Leak Audio Products, 3	80 Shore Rd, Port Washington	NY
McIntosh Laboratory, Inc., 2	2 Chambers St, Binghamton	NY
Mallory & Co., Inc., P.R., 1-2-3-6	34 S. Gray St, Indianapolis 6	Ind
Marsland Engineering, Ltd., 5	154 Victoria St S., Kitchener, Ontario, Canada	
Miratel Inc., 1-3-5	1080 Dionne St, St. Paul	Minn
Newcomb Audio Products Co., 2	6824 Lexington Ave, Hollywood 38	Cal
OAK MFG. CO., 4-5-6, Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Pilot Radio Corp., 2-3	37-06 36th St, Long Island City	NY
PRECISION APPARATUS CO., INC., 2-3, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Precision Electronics, Inc., 1-2-3	9101 King St, Franklin Park	Ill
Radio Condenser Co., 4	Camden	NJ
Rauland-Borg Corp., 1-2-3	3535 W. Addison St, Chicago 18	Ill
Recordio Corp., 1	Charlotte	Mich
Sargent-Rayment Co., 2-3	4926-28 E. Twelfth St, Oakland 1	Cal
Sarkes-Tarzian, Inc., Tuner Div., 3-5-6	E. Hillside Dr, Bloomington	Ind
Shell Electronics Mfg. Corp., 1-2-3	112 State St, Westbury	NY
Sherwood Electronic Labs., Inc., 2-3	4300 N. California Ave, Chicago 18	Ill
Sickles F.W. Div. Gen. Instrument Corp. 2-3-4-5-6	165 Front St, Chicopee	Mass
Standard Coil Products Co., 3-5-6	2085 N. Hawthorne St, Melrose Park	Ill
Stromberg-Carlson Div., Gen Dynamics Corp., 2	100 Carlson Rd, Rochester 3	NY
Tandberg of America, Inc., 2	8 3rd Ave, Pelham	NY
TELEVISION UTILITIES CORP., DIV OF NORD, 5, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Trutone Electronics, Inc., 2-3	6912 Santa Monica Blvd, L A 38	Cal
V-M Corp., 2	305 Territorial, Benton Harbor	Mich
Vinco Electronics Corp., 2-3	65 Wallace St, New Haven 11	Conn
Warwick Manufacturing Corp., 1-2-3	7300 N. Lehigh Ave, Chicago 48	Ill
Wells Co., Inc., Gary, 3-4	361 Rockaway Ave, Valley Stream	NY
Wells-Gardner & Co., 2	2701 N. Kildare Ave, Chicago 39	Ill
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

TUNERS —*KLYSTRON*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass

TUNERS —*MICROWAVE (Incl. SLIDING SHORTS)*

Aircom, Inc	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ALFORD MFG. CO., Adv Pg 487	**299 Atlantic Ave, Boston**	**Mass**
AUTOMATIC METAL PRODUCTS CORP., Adv Pg 506	**315 Berry St, Brooklyn 11**	**NY**
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Caswell Electronics Corp	414 Queens Ln, San Jose 12	Cal
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420-421	**252 E. Third St, Mt. Vernon**	**NY**
Electronic Applications, Inc	194 Richmond Hill Ave, Stamford	Conn
EMPIRE DEVICES PRODUCTS CORP., Adv Pg 454	**Amsterdam**	**NY**
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MAURY & ASSOCIATES, Adv Pg 561	**10373 Mills Ave, Montclair**	**Cal**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
MICROLAB, Adv Pg 340	**570 W. Mt. Pleasant Ave, Livingston**	**NJ**
Microphase Corp	Box 1166, Greenwich	Conn
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PRD ELECTRONICS, INC., Adv. Pgs. 173-176	**202 Tillary St, Brooklyn 1**	**NY**
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Pitometer Log Corp	237 Lafayette St, New York 12	NY
POLARAD ELECTRONICS CORP., Adv. Pgs. 313, 314	**43-20 34 St, Long Island City 1**	**NY**
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ
WEINSCHEL ENGINEERING CO., INC., Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**

TUNGSTEN
1. BARS & RODS 2. POWDER & PELLETS 3. RIBBON-TUBING See TUBING —*METALLIC WIRE* See WIRE —*BARE*

Associated Engineering & Mfg. Corp., 1-2-3	Glen Ridge	NJ
Belmont Smelting & Refining Works, 2	332 Belmont Ave, Brooklyn 7	NY
Bram Metallurgical Chemical Co., 1-2-3	820 65 Ave, Philadelphia 26	Pa
CROSS CO., H., 3, Adv Pg 514	**15 Beekman St, New York 38**	**NY**
Electronic Parts Mfg. Co., Inc., 1-3	508-10 25th St, Union City	NJ
Elmet Div., North American Philips Co., 1-2-3	Lisbon Rd, Lewiston	Me
Fansteel Metallurgical Corp., 1-2-3	2200 Sheridan, N. Chicago	Ill
Firth Sterling, Inc., 1-2	3115 Forbes Ave, Pittsburgh	Pa
General Electric Co., Lamp Metals & Components Dept., 1-2-3	21800 Tungsten Rd, Cleveland 17	Ohio
GIBSON ELECTRIC CO., 2, Adv Pg 499	**P.O. Box 535, Delmont**	**Pa**
Kennametal Inc., 1-2	Lloyd Ave, Latrobe	Pa
Kulite Tungsten Corp., 1-2-3	1040 Hoyt Ave, Ridgefield	NJ
A.D. Mackay, Inc., 1-2-3	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 1-2-3	152-25 138 Ave, Jamaica 34	NY
Murex, Ltd., 1-2	Rainham, Essex, England	
REMBAR CO., INC., THE, 1-3, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Semi-Alloys, Inc., 1-2-3	550 S. Fulton Ave, Mt. Vernon	NY
Shieldalloy Corp., 2	Newfield	NJ
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 1-2	Towanda	Pa
Thermionic Products Co., 1-2-3	Interhaven Ave, Plainfield	NJ
Union Carbide Metals Co., Div., UCC, 2	270 Park Ave, New York 17	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
Var-Lac-Oid Chemical Co., 1-2-3	116 Broad St, New York 4	NY
Wah Chang Corp., 1-2	233 Broadway, New York 7	NY
Westinghouse Electric Corp., Lamp Div., 1-2	Bloomfield	NJ

TUNING CAPACITORS See CAPACITORS —*VARIABLE*
TUNING CONTROLS —*AUTOMATIC* See CONTROLS —*AUTOMATIC TUNING*

TUNING DEVICES —*RECEIVER, MECHANICAL*

Acme Tool & Specialties Co	224 N. Loomis St, Chicago 7	Ill
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Miller Form Tool Co., Inc	485 Robert Ave, Santa Clara	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa

TUNING DEVICES —*TRANSMITTER, MECHANICAL*

EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
Johnson Co., E.F.	Waseca	Minn
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Miller Form Tool Co., Inc	485 Robert Ave, Santa Clara	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa

TUNING FORKS See FORKS

TUNING UNITS —*TRANSMITTING ANTENNA*

Dalmo Victor Co., Div., Textron, Inc	1515 Industrial Way, Belmont	Cal
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
GENERAL COMMUNICATION CO., Adv Pg 498	**681 Beacon St, Boston 15**	**Mass**
Globe Electronics, Div Textron Electronics, Inc	22-30 S. 34th St, Council Bluffs	Iowa
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
International Electronics Mfg. Co	Greenwood Acres, Annapolis	Md
Johnson Co., E.F.	Waseca	Minn
Miller Form Tool Co., Inc	485 Robert Ave, Santa Clara	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa

TUNNEL DIODES See DIODES —*CRYSTAL*
TURBIDITY CONTROLS See CONTROLS —*PHOTOELECTRIC*
TURBIDITY INDICATORS See INDICATORS —*TURBIDITY*
TURNS-COUNTING DIALS See DIALS

TURNTABLES
1. RECORDING & TRANSCRIPTION 2. TRANSCRIPTION PLAYBACK ONLY

Audio-Master Corp., 2	17 East 45th St, New York 17	NY
Bogen-Presto Div., Siegler Corp., 1-2	P.O. Box 500, Paramus	NJ
Components Corp., 1-2	Denville	NJ
Dyna-Empire, Inc., 1	1075 Stewart Ave, Garden City	NY
Electronic Applications, Inc., 2	194 Richmond Hill Ave, Stamford	Conn
Fairchild Recording Equip., Co., 1-2	10-40 45th Ave, L I City 1	NY
Garrard Sales Corp., 2	80 Shore Rd, Port Washington	NY

GATES RADIO CO., 1-2, Adv Pg 292	**123 Hampshire St, Quincy**	**Ill**
Marconi's Wireless Telegraph Co., Ltd., 2	750 Third Ave, New York 17	NY
Metzner Engineering Corp., 2	1041 N. Sycamore, Hollywood 38	Cal
Pickering & Co., Inc., 2	Sunnyside Blvd, Plainview	NY
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Recordio Corp, 1	Charlotte	Mich
Rek-O-Kut Co., Inc., 1-2	38-19 108th St, Corona 68	NY
Scott, Inc., H.H., 2	111 Powder Mill Rd, Maynard	Mass
Thorens Co., 2	Thorens & Atlantic Aves, New Hyde Park	NY

TV ANTENNA BRACKETS See BRACKETS
TV ANTENNA CIRCUIT FILTERS See FILTERS
TV BROADCAST STATION ANTENNAS See ANTENNAS *–BROADCAST STATION*
TV CAMERA LENSES See LENSES *–OPTICAL*
TV CAMERA PICKUP TUBES See TUBES *–CATHODE-RAY*
TV CAMERAS See CAMERAS–TV
TV COUPLERS *–RECEIVER* See COUPLERS *–RECEIVING*
TV FACEPLATES See FACEPLATES
TV FOCUSING COILS See COILS
TV LINE SELECTORS See LINE SELECTORS
TV MASKS See MASKS-TV
TV MAST MOUNTS See MOUNTS *–ANTENNA*
TV MIRRORS See MIRRORS-TV
TV MONITORS *–VIDEO* See MONITORS *–VIDEO*
TV PICKUP UNITS *–MOBILE* See PICKUP UNITS-TV
TV PICTURE TUBES See TUBES *–CATHODE-RAY*
TV PROJECTION RECEIVER LENSES See LENSES *–OPTICAL*
TV PROJECTION UNITS See RECEIVERS–TV
TV RECEIVERS *–See* RECEIVERS–TV
TV RECEIVING ANTENNAS See ANTENNAS–TV. *RECEIVING*
TV RECORDERS See RECORDERS *–MAGNETIC TAPE*
TV SIGNAL GENERATORS See GENERATORS *–SIGNAL*

TV SYSTEMS
1. CLOSED-CIRCUIT 2. INDUSTRIAL

Adler Electronics, Inc., 1-2	1 Lefevre Ln, New Rochelle	NY
Antennavision, Inc., 1-2	2949 W. Osborn Rd, Phoenix	Ariz
Argus Cameras, Inc., subsidiary of Sylvania, 1-2	405 4th St, Ann Arbor	Mich
B & K Mfg. Co., 1-2	1801 W. Belle Plaine, Chicago 13	Ill
Benco Television Associates, Ltd., 1-2	27 Taber Rd, Rexdale, Ontario, Canada	
Blonder-Tongue Laboratories, Inc., 1-2	Dept EBG, 9 Alling St, Newark 2	NJ
Dage TV Div., Thompson-Ramo-Wooldridge, 1-2	W. Tenth St, Michigan City	Ind
Denson Electronics Corp., 1	P.O. Box 85, Rockville	Conn
Diamond Electronics Div, Diamond Power Specialty Corp., 1-2	Box 415, Lancaster	Ohio
Du Mont Labs., Inc., Allen B., 1-2	750 Bloomfield Ave, Clifton	NJ
Dynamic Electronics, Capehart Corp., 1	87-46 123 St, Richmond Hill 18	NY
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Entron, Inc., 1-2	4902 Lawrence St, Bladensburg	Md
Foto-Video Electronics, Inc., 1-2	36 Commerce Rd, Cedar Grove	NJ
GPL Div., General Precision, Inc., 1-2	63 Bedford Rd, Pleasantville	NY
Grimson Color, Inc., 1-2	381 4th Ave, New York 16	NY
Hallamore Electronics Co., 1	714 N. Brookhurst Ave, Anaheim	Cal
ITI Electronics Inc., 1-2	369 Lexington Ave, Clifton	NJ
Intercontinental Electronics, 1-2	1551 Franklin Ave, Mineola	NY
Intl Tel & Tel Corp., Industrial Products Div., 1-2	15191 Bledsoe St, San Fernando	Cal
Interstate Electronics Corp., 1-2	707 E. Vermont Ave, Anaheim	Cal
JERROLD ELECTRONICS CORP., 1-2, Adv Pg 488	**15th & Lehigh, Philadelphia 32**	**Pa**
KIN TEL DIV., COHU ELECTRONICS, 1-2, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Lockheed Electronics Co., Info Tech Div., 1	Metuchen	NJ
Marconi's Wireless Telegraph Co., Ltd., 1-2	750 Third Ave, New York 17	NY
Miratel, Inc., 1-2	1080 Dionne St, St. Paul	Minn
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Nippon Electric Co., Ltd., 2	Shiba-Mita, Tokyo, Japan	
Norden Div., United Aircraft Corp., 1	58 Commerce Rd, Stamford	Conn
Orbitran Co., Inc., 1-2	11487 Woodside Ave, Lakeside	Cal
Packard-Bell Electronics Corp., Technical Products Div., 1-2	12333 W. Olympic Blvd, Los Angeles 64	Cal
Philco Corp., Gov't & Ind'l Div., 1-2	4700 Wissahickon Ave, Philadelphia 44	Pa
Prescott Television Co., 1	7706 Melrose Ave, Los Angeles 46	Cal
Radio Corp of America Indl Electronic Prods, 1-2	Front & Cooper, Camden	NJ
Ram Electronics, Inc., 1-2	600 Industrial Ave, Paramus	NJ
Rank Cintel Ltd., 1	Worsley Bridge Rd, London S.E. 26, England	
Resitron Laboratories, Inc., 1-2	2908 Nebraska Ave, Santa Monica	Cal
Sarkes Tarzian, Broadcast Equipment Div., 1	E. Hillside Dr, Bloomington	Ind
Seg Electronics Co., Inc., 1	1778 Flatbush Ave, Brooklyn 10	NY
Standard Electronics Div., Reeves Instrument Corp., 1-2	Lakewood Rd, Farmingdale	NJ
Standard Telephones & Cables, Ltd., 1-2	63 Aldwych, London W. C. 2	England
Surface Conduction, Inc., 1-2	521 Fifth Ave, New York 17	NY
Sylvania Home Electronics, 1-2	700 Ellicott St, Batavia	NY
Tarc Electronics, Inc., 1-2	48 Urban Ave, Westbury	NY
Telautrograph Corp., 1	8700 Bellanca Ave, Los Angeles 8	Cal
TELECHROME MFG. CORP., 2, Adv Pg 337	**28 Ranick Dr, Amityville**	**NY**
TELECTRO INDUSTRIES CORP., 1, Adv. Pgs. 104, 105	**35-16 37th St, Long Island City 1**	**NY**
Television Specialty Co., 1-2	350 W. 31 St, New York 1	NY
TELEVISION UTILITIES CORP., DIV OF NORD, 1-2, Adv Pg 553	**300 Denton Ave, New Hyde Park**	**NY**
Unitized Electronics, Inc., 1	4791 Memphis Ave, Cleveland	Ohio
Vicon Corp., Div., Insul-8-Corp., 1-2	1369 Industrial Rd, San Carlos	Cal

TV TRANSMITTERS See TRANSMITTERS *–BROADCAST*
TV TUNERS See TUNERS
TV TWIN-LINES See CABLES *–UNSHIELDED*
TV-UHF TO VHF CONVERTERS See CONVERTERS *–SIGNAL*
TWEETERS See SPEAKERS
TWIN LINE PLUGS See PLUGS
TWIN-LINES-TV See CABLES *–UNSHIELDED*
TWINPLEX COMBINERS See COMBINERS
TWINPLEX SYSTEMS See COMMUNICATION SYSTEMS

TWISTS *–WAVEGUIDE*

Airtec, Inc	139 E. First Ave, Roselle	NJ
Ardwin Microlab, Inc	21 Spencer St, Stoneham 80	Mass
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Co-Operative Industries, Inc.	100 Oakdale Rd, Chester	NJ
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
Kent Corp., F.C.	135 Manchester Pl, Newark 4	NJ
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Meridian Metalcraft, Inc.	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Millbale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
SPECIALTY AUTOMATIC MACHINE CORP., Adv Pg 538	**80 Cambridge St, Burlington**	**Mass**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

TYPEWRITERS *–COMPUTER INPUT* See PRINTERS
UHF ANTENNAS See ANTENNAS *–COMMUNICATION:* ANTENNAS–TV
UHF BRIDGES See BRIDGES *HAVING DESIRED FUNCTION*
UHF CABLES *–SHIELDED* See CABLES *–SHIELDED*
UHF CABLES *–UNSHIELDED* See CABLES *–UNSHIELDED*
UHF GENERATORS See GENERATORS *–SIGNAL*
UHF RECEIVERS See RECEIVERS *–RADIO COMMUNICATION*
UHF SYSTEMS See COMMUNICATION SYSTEMS
UHF TRANSMITTERS See TRANSMITTERS *–RADIO COMMUNICATION*
UHF TUNERS See TUNERS
UHF TV CONVERTERS See CONVERTERS *–SIGNAL*
UHF TV TRANSLATORS See TRANSLATORS-UHF TV
ULF OSCILLATORS See OSCILLATORS – A-F
ULTRAHIGH FREQUENCY See UHF *LISTINGS*
ULTRASONIC CONTROLS *–DOOR* See CONTROLS *–DOOR*

ULTRASONIC EQUIPMENT & DEVICES
1. AMPLIFIERS 2. ANALYZERS 3. CLEANERS 4. CONTROLS 5. FLAW DETECTORS 6. GENERATORS (OSCILLATORS) 7. INSTRUMENTS 8. SOLDERING TOOLS 9. THICKNESS GAGES 10. TRANSDUCERS, CRYSTAL 11. TRANSDUCERS, MAGNETOSTRICTIVE 12. VIBRATORS & DRILLS 13. WELDERS See *Also* DELAY LINES: DEPTH SOUNDERS: SONAR

Acoustica Associates, Inc., 1-3-4-6-7-10	10400 Aviation Blvd, Los Angeles 45	Cal
Aeroprojects, Inc., 8-13	310 E. Reedale Ave, West Chester	Pa
Aetna Electronics Corp., 1-6-11	Readington Rd, North Branch	NJ
Alcar Instruments, Inc., 3-6-7-8-10-11	411 Robbins Ave, Trenton 8	NJ
ALDEN ELECTRONIC & IMPULSE RECORDING EQUIP CO., 7, Adv Pg 533	**P.O. Box 125, Westboro**	**Mass**
American Bosch Arma Corp., 7	320 Fulton Ave, Hempstead	NY
AMERICAN TIME PRODUCTS, INC., 3, Adv Pg 284	**61-20 Woodside Ave, Woodside 77**	**NY**
Andersen Laboratories, Inc., 1-2	501 New Park Ave, West Hartford	Conn
Applied Electronics Co., 10	213 E. Grand Ave, South San Francisco	Cal
ARENBERG ULTRASONIC LAB., INC., 1-6, Adv Pg 560	**94 Green St, Jamaica Plain 30**	**Mass**
Atomic Accessories Inc., 3	811 W. Merrick Rd, Valley Stream	NY
Automation Industries, Inc., 1-2-4-5-6-7-9-10-11	3613 Aviation Blvd, Manhattan Beach	Cal
Automation Instruments, Inc., 2-7-9-10	401 E. Green St, Pasadena 1	Cal
Automation Products, Inc., 2-4-7	3030 Max Roy St, Houston 24	Tex
Bearing Inspection, Inc., 3	3311 E. Gage Ave, Huntington Park	Cal
Blackstone Corp., 1-3-6-11	1111 Allen St, Jamestown	NY
Branson Instruments, Inc., 3-5-6-7-9-10	1 Brown House Rd, Stamford	Conn
Branson Ultrasonic Corp., 3-6-7-10	1 Brown House Rd, Stamford	Conn
Bruel & Kjaer, 1-6-7-11	Lindealle 23, Naerum, Denmark	
CHESAPEAKE INSTRUMENT CORP., 10-11, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
Circo Ultrasonic Corp., 3-5-6-7-8-9-11-12-13	51 Terminal Ave, Clark	NJ
Clarkson Labs., Inc., 3	919 N. Ninth St, Philadelphia 23	Pa
Corbett Science Labs., F.W., 6	3117 Venice Blvd, Los Angeles 19	Cal
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-3-5-10, Adv Pg 75	**Princeton**	**NJ**
Dallons Semiconductors Div., 3	5066 Santa Monica, L A 29	Cal
Dawe Instruments Ltd., 3-9	99 Uxbridge Rd, London W5, England	
Designers for Industry, 2-3-5	4241 Fulton Pkwy, Cleveland 9	Ohio
Detrex Chemical Industries, Inc., 3-10-11	P.O. Box 501, Detroit 32	Mich
Dyna-Empire, Inc., 10	1075 Stewart Ave, Garden City	NY
EMI-COSSOR ELECTRONICS LTD., 3, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Eisler Engineering Co., 13	751 S. 13 St, Newark 3	NJ
Electronic Assistance Corp., 1-6-11	20 Bridge Ave, Red Bank	NJ
Engineering Associates, 6	434 Patterson Rd, Dayton 19	Ohio
ERIE RESISTOR CORP., 11, Adv. Pgs. 242, 243	**644 W. 12th St, Erie 6**	**Pa**
Fairchild Camera & Instrument Corp., Defense Prods., Div., 1-4-7	Robbins Ln, Syosset	NY
Fischer & Co., R.A.	517 Commercial St, Glendale 3	Cal
General Electric Co., Heavy Military Electronics Dept., 10	Court St, Syracuse	NY
General Kinetics, Inc., 3	2611 Shirlington Rd, Arlington 6	Va
GENERAL RADIO CO., 1-6, Adv Pg 285	**West Concord**	**Mass**
General Ultrasonics Co., 1-3-4-6-7-10-11	67 Mulberry St, Hartford 3	Conn
Greenray Industries, Electronic's Div., 6	Mechanicsburg	Pa
Gulton Industries, Inc., 2-3-6-8-10-12-13	212 Durham Ave, Metuchen	NJ
Harris Transducer Corp., 3-6-11	Woodbury	Conn
Hermes Sonic Corp., 3-6	13-19 University Pl, New York 3	NY
HEWLETT-PACKARD CO., 1-6, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
International Electronics Corp., (Mullard Equipment), 6-8-11	81 Spring St, New York 12	NY
Isomet Corp., 10	433 Commercial Ave, Palisades Park	NJ
Kidde Ultrasonic & Detection Alarms, Inc., 11	477 Brighton Rd, Clifton	NJ
Kistler Instrument Corp., 2	15 Webster St, North Tonawanda	NY
KROHN-HITE CORP., 1-6, Adv Pg 495	**580 Massachusetts Ave, Cambridge 39**	**Mass**
L & R Mfg. Co., 3-6-10	577 Elm St, Kearny	NJ
Laboratory for Electronics, Inc., 6-7	1079 Commonwealth, Boston 15	Mass
London Chemical Co., 3	1535 N. 31 Ave, Melrose Park	Ill
MacDermid Inc., 3	526 Huntington Ave, Waterbury 20	Conn
McKenna Laboratories, 3-6-8-10	2503 Main St, Santa Monica	Cal
Magnaflux Corp., Sub, General Mills, 5-9	7328 W. Lawrence Ave, Chicago 31	Ill
MASSA DIV., COHU ELECTRONICS, INC., 7-10, Adv. Pgs. 76, 77	**5 Fottler Rd, Hingham**	**Mass**
Mullard Equipment, Ltd., 3-6-8-10-11-12	Torrington Pl, London W.C. 1, England	

NARDA ULTRASONICS CORP., 3-6-7-10-11, Adv Pg 466	**625 Main, Westbury**	**NY**
NATIONAL ULTRASONIC CORP., 3-6-10-11, Adv Pg 426	**111 Montgomery Ave, Irvington 11**	**NJ**
NEW HERMES ENGRAVING MACHINE CO., 3, Adv Pg 492	**154 W. 14th St, New York 11**	**NY**
Nippon Electric Co., Ltd., 6-11-12	Shiba-Mita, Tokyo, Japan	
Oakite Products, Inc., 3	79 Rector St, New York 6	NY
Otis Elevator Co., 1-6	35 Ryerson St, Brooklyn 5	NY
Pearce Simpson, Inc., 10	2295 N.W. 14th St, Miami 35	Fla
Piezo Products Co., 6	Whitney St, Sherborn	Mass
Pioneer-Central Div., Bendix Aviation Corp., 3-6-11	Davenport	Iowa
Pioneer Industries Div., Almar-York Co., Inc., 2-5-10	3455 W. Vickery, Fort Worth 7	Tex
Power Supplies, Inc., 4	1007 Olive St, Highland	Ill
Probescope Co., 2-6-7	8 Sagamore Hill Dr, Port Washington	NY
Radio Frequency Co., Inc., 3-6-13	44 Park St, Medfield	Mass
Radionics, Inc., 2-6-7-10	76 Cambridge St, Burlington	Mass
Ram Electronics, Inc., 1-4	600 Industrial Ave, Paramus	NJ
Raytheon Co. Commercial Appar. & Systems Div., 8-12	100 River St, Waltham	Mass
Scientific Electric, Inc., 6	105-119 Monroe St, Garfield	NJ
Scott, Inc., H.H., 1	111 Powder Mill Rd, Maynard	Mass
Sheffield Corp., Sub., Bendix Avia. Corp., 12	P.O. Box 893, Dayton 1	Ohio
Solar Mfg. Corp., 10	4553 Seville Ave, Los Angeles 58	Cal
Spectrum Instruments, Inc., 2	Box 61, Steinway Sta, Long Island City 3	NY
Standard Electronics Div., Reeves Instrument Corp., 1-6	Lakewood Rd, Farmingdale	NJ
Stellardyne Labs., Inc., 3	1525 Cayamaca, El Cajon	Cal
Sunshine Scientific Instrument, 5	1810 Grant Ave, Philadelphia 15	Pa
Telephonics Corp., 1-3	Park Ave, Huntington	NY
Transdyne Corp., 3	43 Albertson Ave, Albertson	NY
Triplett Elec Instrument Co., 7	Harmon Rd, Bluffton	Ohio
Trott Electronics, Inc., 1-4	412 Smith St, Rochester 8	NY
Ultrasonic Engineering Co., 3-6	P.O. Box 209, Maywood	Ill
Ultrasonic Industries, Inc., 3-6-7	141 Albertson Ave, Albertson	NY
Unit Process Assemblies, Inc., 9	61 E. 4th St, New York 3	NY
U.S. Sonics Corp., 10	625 McGrath Hwy, Somerville 45	Mass
VALPEY CRYSTAL CORP., 10, Adv Pg 464	**1244 Highland St, Holliston**	**Mass**
Webster Mfg., 10	317 Roebling Rd, S. San Francisco	Cal
Wells-Gardner & Co., 3	2701 N. Kildare Ave, Chicago 39	Ill
Western Electro-Acoustic Lab., 2	11787 San Vicente Blvd, Los Angeles	Cal
Western Radiation Lab., 11	1107 W. 24 St, Los Angeles 7	Cal
WESTINGHOUSE ELECTRIC CORP., 1-3-6-11, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westrex Corp., Div., Litton Industries, 10	540 W. 58 St, New York 19	NY
Wye Industries, 3	6 General Devine Way, Boston 27	Mass
Zacharias Electronics Corp., 1	P.O. Box 172, Livingston	NJ
Zenith Optical Laboratory, 12	1940 Great Neck Rd, Copiague	NY
Zenith Radio Corp., 10	6001 Dickens Ave, Chicago 39	Ill

ULTRASONIC TRANSFORMERS See TRANSFORMERS *-IRON-CORE*
ULTRAVIOLET LAMPS See LAMPS
UMBILICAL CABLES See CABLES *-UMBILICAL*
UNIVERSAL JOINTS See COUPLINGS
UNSHIELDED CABLES See CABLES *-UNSHIELDED*

URANIUM

Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Davison Chemical Div., W.R. Grace & Co	P.O. Box 218, Erwin	Tenn
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

URANIUM OXIDE

AMERICAN LAVA CORP., Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Davison Chemical Div., W.R. Grace & Co	P.O. Box 218, Erwin	Tenn
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY

UREA FORMALDEHYDE See PLASTICS
VACUUM ALUMINIZERS See ALUMINIZERS *-VACUUM*
VACUUM CONTROLS See CONTROLS *-VACUUM*
VACUUM-FORMED PLASTICS See PLASTICS *-FINISHED PARTS*
VACUUM FURNACES See FURNACES *-VACUUM*
VACUUM GAGES See GAGES *-VACUUM*
VACUUM-IMPREGNATING MACHINES See MACHINES *-IMPREGNATING*
VACUUM INDICATORS See INDICATORS *-VACUUM*
VACUUM-MELTED METALS See METALS *-VACUUM-MELTED*
VACUUM-METALLIZED COATINGS See COATINGS
VACUUM-METALLIZING MACHINES See MACHINES *-METALLIZING*
VACUUM-METALLIZING SERVICES See METALLIZING *SERVICES*
VACUUM OVENS See OVENS, DRYERS & DEHYDRATORS
VACUUM PUMPS See PUMPS *-VACUUM*
VACUUM RECORDERS See RECORDERS *-VACUUM*
VACUUM-TUBE COEFFICIENT BRIDGES See BRIDGES
VACUUM-TUBE VOLTMETERS See VOLTMETERS *-ELECTRONIC*

VALVES *-SERVO*

American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Atchley Inc., Raymond	**2339 Cotner Ave, Los Angeles 64**	**Cal**
Belfab Corp	9 Hobson Ave, Hamden	Conn
Cadillac Gage Co	P.O. Box 3806, Detroit	Mich
CompuDyne Corp	400 S. Warminster Rd, Hatboro	Pa
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Denison Engrg. Div., American Brake Shoe Co	1160 Dublin Rd, Columbus 16	Ohio
EASTERN INDUSTRIES, INC., Adv Pg 442	**100 Skiff St, Hamden**	**Conn**
Foxboro Co., The	Foxboro	Mass
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Hydraulic Press Mfg. Co., Div of Koehring Co	Mt. Gilead	Ohio
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Lear, Inc	3171 S. Bundy Dr, Santa Monica	Cal
Lear-Romec Div., Lear, Inc	Abbe Rd, Elyria	Ohio
Lucifer, Ltd	Geneva-Carouge, Switzerland	
Lumen, Inc	P.O. Box 905, Joliet	Ill
Mason, Shaver & Rhoades, Inc	P.O. Box 551, Irwin	Pa
Midwestern Instruments, Inc	P.O. Box 7186, Tulsa 18	Okla
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Oilgear Co	1560 W. Pierce St, Milwaukee	Wisc
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Pesco Products Div., Borg-Warner Corp	24700 N. Miles Rd, Bedford	Ohio
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Servotronics, Inc	190 Gruner Rd, Buffalo 25	NY
Simmonds Aerocessories, Inc	105 White Plains Rd, Tarrytown	NY
Standard Controls, Inc	1130 Poplar Pl, Seattle 44	Wash
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal

VALVES *-SOLENOID*

Adel Precision Prods Div., Gen Metals Corp	10777 Vanowen St, Burbank	Cal
ALLIED CONTROL CO., INC., Adv Pg 48	**2 East End Ave, New York 21**	**NY**
American Instrument Co., Inc	8030 Georgia Ave, Silver Spring	Md
Applied Dynamics Corp	330 Bear Hill Rd, Waltham	Mass
Atkomatic Valve Co., Inc	545 W. Abbott St, Indianapolis	Ind
Automatic Switch Co	50-56 Hanover Rd, Florham Park	NJ
Belfab Corp	9 Hobson Ave, Hamden	Conn
Caltron Products Co	3518 W. Pico Blvd, Los Angeles 19	Cal
Carruthers & Fernandez, Inc	1501 Colorado Ave, Santa Monica	Cal
Consolidated Controls Corp	6 Durant Ave, Bethel	Conn
Denison Engrg. Div., American Brake Shoe Co	1160 Dublin Rd, Columbus 16	Ohio
Detroit Controls, Div of American-Standard	5900 Trumbull, Detroit 8	Mich
Eckel Valve Co	1419 First St, San Fernando	Cal
The Electric Autolite Co	Champlain St, Toledo 1	Ohio
Fae Instrument Corp	42-61 Hunter St, Long Island City 1	NY
Foxboro Co., The	Foxboro	Mass
Frebank Co	711 W. Broadway, Glendale 4	Cal
Fulton Sylphon Div., Robertshaw-Fulton	P.O. Box 400, Knoxville 1	Tenn
Garrett Corp., The	9851 Sepulveda Blvd, Los Angeles 45	Cal
General Controls Co	801 Allen Ave, Glendale 1	Cal
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Guardian Electric Mfg. Co	1621 W. Walnut St, Chicago 12	Ill
Huyck Systems Co	360 Wolf Hill Rd, Huntington Sta	NY
Hydraulic Press Mfg. Co., Div of Koehring Co	Mt. Gilead	Ohio
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
Interstate Electronics Corp	707 E. Vermont Ave, Anaheim	Cal
Jackes-Evans Mfg. Co	4427 Geraldine Ave, St. Louis 15	Mo
Kinney Vacuum Div., New York Air Brake Co	3529 Washington St, Boston	Mass
Lear-Romec Div., Lear, Inc	Abbe Rd, Elyria	Ohio
Lucifer, Ltd	Geneva-Carouge, Switzerland	
Lumen, Inc	P.O. Box 905, Joliet	Ill
McQuay-Norris Mfg. Co	2320 Marconi Ave, St. Louis 10	Mo
Marsland Engineering, Ltd	154 Victoria St S., Kitchener, Ontario, Canada	
Mercoid Corp	4201 Belmont Ave, Chicago 41	Ill
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
Minn-Honeywell Regulator Co	2753 4th Ave S., Minneapolis 8	Minn
Pegasus Laboratories, Inc	3692 11 Mile Rd, Berkley	Mich
Rotex Punch Co	2350 Alvarado St, San Leandro	Cal
S-E Laboratories Ltd	606 N. Felthan Trading Estate, Felthan Middlesex, England	
Servotronics, Inc	190 Gruner Rd, Buffalo 25	NY
Skinner Electric Valve Div	95 Edgewood Ave, New Britain	Conn
Telecomputing Corp	915 N. Citrus Ave, Hollywood	Cal
United Aircraft Products Inc	1116 Bolander Ave, Dayton 1	Ohio
United Control Corp	4540 Union Bay Pl, Seattle 5	Wash
Veeco Vacuum Corp	86 Denton Ave, New Hyde Park	NY
Weston Hydraulics Sub., Borg-Warner	7500 Tyrone Ave, Van Nuys	Cal

VARIABLE CAPACITORS See CAPACITORS *-VARIABLE*
VARIABLE COILS See INDUCTANCES
VARIABLE TRANSFORMERS See TRANSFORMERS *-IRON-CORE; POWER*

VARISTORS

CARBORUNDUM CO., GLOBAR PLANT, Adv. Pgs. 230, 231	**Niagara Falls**	**NY**
EDAL INDUSTRIES, INC., Adv Pg 564	**64 Franklin St, New Haven 11**	**Conn**
FERROXCUBE CORP OF AMERICA, Adv. Pgs. 264, 356, 424, 485, 494, 540	**125 E. Bridge St, Saugerties**	**NY**
General Electric Co., Magnetic Materials Section	7806 N. Neff Blvd, Edmore	Mich
KIDDE & CO., INC., WALTER, Adv Pg 537	**477 Main St, Belleville 9**	**NJ**
Nippon Electric Co., Ltd	Shiba-Mita, Tokyo, Japan	
Nucleonic Products Co	1601 Grande Vista Ave, Los Angeles 23	Cal
Schauer Mfg. Corp	4521 Alpine Ave, Cincinnati 42	Ohio
Standard Telephones & Cables, Ltd	63 Aldwych, London W. C. 2	Eng
Trionics Corp	P. O. Box 548, Madison 1	Wisc
Victory Engineering Corp	101 Springfield Rd, Union	NJ

VARNISHED CAMBRIC See FABRICS
VARNISHED CAMBRIC PARTS See FABRIC PARTS

VARNISHES

1. INSULATING 2. PROTECTIVE 3. RIPPLE-FINISH

Acme Wire Co., 1-2	New Haven 14	Conn
Barrett Varnish Co., 1-2-3	1532 S. 50 Court, Cicero 50	Ill
Barta-Griffin Co., 1-2	72 Commercial St, Worcester 1	Mass
Borthig Co., Inc., George C., 1-2	P.O. Box 11 A, East Rutherford	NJ
Chemtronics Inc., 1-2	870 E. 52nd St, Brooklyn 3	NY
DOW CORNING CORP., 1, Adv. Pgs. 238, 239	**Midland**	**Mich**
du Pont de Nemours & Co., Inc., E.I., 1-2	Wilmington 98	Del
Emerson & Cuming, Inc., 1-2	869 Washington St, Canton	Mass
General Electric Co., Silicone Prods Dept., 1-2	Dept A, Waterford	NY
George Co., P.D., 1-2-3	5200 N. 2nd St, St. Louis	Mo
INSL-X Co., Inc., 1-2	Water St, Ossining	NY
Insulation Manufacturers Corp., 1-2	565 W. Washington Blvd, Chicago 6	Ill
Isochem Resins Co., 1-2	221 Oak St, Providence 9	RI
Krylon, Inc., 2	Ford & Washington, Norristown	Pa
Martindale Electric Co., 1	Edgewater Branch, Box 617, Cleveland 7	Ohio
Melpar, Inc., 1-2	3000 Arlington Blvd, Falls Church	Va
Metachem Resins Corp., 1-2	530 Wellington Ave, Cranston 10	RI
Micro-Circuits Co., 1-2	New Buffalo	Mich
Midland Industrial Div., The Harrison Paint &		

Varnish Co., 1-2	1329 Harrison Ave S.W., Canton 1	Ohio
Minnesota Mining & Mfg. Co., 1	900 Bush Ave, St. Paul 6.	Minn
Pierce & Stevens Chemical Corp., 1-2	710 Ohio St, Buffalo 3	NY
Sauereisen Cements Co., 1-2	Sauereisen Bldg, Pittsburgh 15	Pa
Schenectady Varnish Co., Inc., 1-2	Congress St & 10th Ave, Schenectady 3	NY
Silicones Div., UCC, 1-2	270 Park Ave, New York 17	NY
Standard-Toch Chemicals, Inc., 1-2-3	2600 Richmond Terr, Staten Island 3	NY
Sterling Varnish Co., 1-2	Haysville Borough, Sewickley	Pa
Trancoa Chemical Corp., 1-2	312-326 Ash St, Reading	Mass
WALSCO ELECTRONICS MFG. CO., 1-3, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Waterlox Div., Empire Varnish Co., 1-2	2636 E. 76 St, Cleveland	Ohio
WESTINGHOUSE ELECTRIC CORP., 1-2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

VEHICULAR RADIO SYSTEMS *See* COMMUNICATION SYSTEMS
VENTILATING LOUVERS *See* LOUVERS
VERNIER CAPACITORS *See* CAPACITORS *–VARIABLE*
VERTICAL ANTENNAS *See* ANTENNAS *–COMMUNICATION*
VERTICAL DEFLECTION TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE, SPECIAL*
VERTICAL INTERVAL TESTERS-TV *See* GENERATORS *–SIGNAL TV*
VERY HIGH FREQUENCY *See* VHF *LISTINGS*
VERY LOW FREQUENCY *See* VLF *LISTINGS*
VHF ANTENNAS *See* ANTENNAS *–COMMUNICATION:* ANTENNAS–TV: ANTENNAS-VHF
VHF BRIDGES *See* BRIDGES *HAVING DESIRED FUNCTION*
VHF GENERATORS *See* GENERATORS *–SIGNAL*
VHF RECEIVERS *See* RECEIVERS *–RADIO COMMUNICATION*
VHF SYSTEMS *See* COMMUNICATION SYSTEMS
VHF TRANSMITTERS *See* TRANSMITTERS *–RADIO COMMUNICATION*

VIBRATION ANALYSIS EQUIPMENT *(USED WITH SHAKE TABLES & VIBRATORS)*
1. FATIGUE 2. FATIGUE, HIGH-TEMPERATURE 3. RESONANCE EVALUATION See Also ANALYZERS *–VIBRATION*

Acme Wire Co., 2	New Haven 14	Conn
All American Tool & Mfg. Co., 1	8027 Lawndale, Skokie	Ill
ASSOCIATED TESTING LABS., INC., 2, Adv. Pgs. 538, 555	**107 Rt 46, Wayne**	**NJ**
Boonshaft & Fuchs, Inc., 1-2	Huntingdon Valley	Pa
Bruel & Kjaer, 3	Lindealle 23, Naerum, Denmark	
Chadwick Helmuth Co., 1-2-3	472 E. Duarte Rd, Monrovia	Cal
CHESAPEAKE INSTRUMENT CORP., 1-3, Adv Pg 429	**100 Atwell Rd, Shadyside**	**Md**
CompuDyne Corp., 1-2-3	400 S. Warminster Rd, Hatboro	Pa
Consolidated Electrodynamics Corp., 3	360 N. Sierra Madre Villa, Pasadena	Cal
Gaertner Scientific Corp	1239 Wrightwood, Chicago 14	Ill
Goodmans Industries Ltd., Axiom Works, 3	Wembley, Middlesex, England	
KAY ELECTRIC CO., 3, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Ling Electronics Div., Ling Altec Electronics, 1-2-3	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., 1, Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Optomechanisms, Inc., 3	216 E. Second St, Mineola	NY
Optron Corp., 3	335 S. Salinas St, Santa Barbara	Cal
Spectrum Instruments, Inc., 3	Box 61, Steinway Sta, Long Island City 3	NY
Stellardyne Labs., Inc., 1-2-3	1525 Cayamaca, El Cajon	Cal
Unholtz-Dickie Corp., 1-2-3	2994 Whitney Ave, Hamden 18	Conn
West Coast Research Corp., 2	2102 S. Sepulveda Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1-3, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

VIBRATION DETECTORS *See* INDICATORS *–VIBRATION*
VIBRATION EXCITERS *See* EXCITERS *–VIBRATION*
VIBRATION INDICATORS & METERS *See* INDICATORS *–VIBRATION*
VIBRATION MOUNTS *See* MOUNTS *–VIBRATION & SHOCK*
VIBRATION PICKUP AMPLIFIERS *See* AMPLIFIERS *–INSTRUMENTATION*
VIBRATION-TESTING MACHINES *See* MACHINES *–VIBRATION-TESTING*

VIBRATORS *–POWER SUPPLY See Also* CHOPPERS: DEMODULATORS

AMERICAN TELEVISION & RADIO CO., Adv Pg 428	**300 E. 4th St, St. Paul 1**	**Minn**
Collins Electronics, Inc	Stevensville	Md
CORNELL-DUBILIER ELECTRIC CORP., Adv Pg 321	**South Plainfield**	**NJ**
Goodmans Industries Ltd., Axiom Works	Wembley, Middlesex, England	
James Electronics Inc	4050 N. Rockwell St, Chicago 18	Ill
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Mallory & Co., Inc., P.R.	34 S. Gray St, Indianapolis 6	Ind
Meterlog Corp	169 N. Halstead St, Pasadena	Cal
OAK MFG. CO., Adv. Pgs. 398, 399	**1260 Clybourn Ave, Chicago 10**	**Ill**
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Stellardyne Labs., Inc	1525 Cayamaca, El Cajon	Cal
Unholtz-Dickie Corp	2994 Whitney Ave, Hamden 18	Conn
Vibration Research Labs., Inc	58 Marbledale Rd, Tuckahoe	NY
Vokar Products, Inc	201 Catherine, Ann Arbor	Mich
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wyle Mfg. Corp	133 Center St, El Segundo	Cal

VIBRATORS *(SHAKE TABLES)*

AEG	Hochhaus Sued, Frankfurt/Main, Germany	
All American Tool & Mfg. Co	8027 Lawndale, Skokie	Ill
Boonshaft & Fuchs, Inc	Huntingdon Valley	Pa
Electrowest, Inc	2351 Albatross Way, Sacramento 15	Cal
Engineering Associates	434 Patterson Rd, Dayton 19	Ohio
Geotechnical Corp	3401 Shiloh Rd, Garland	Tex
Globe Industries, Inc	1784 Stanley Ave, Dayton 4	Ohio
Goodmans Industries Ltd., Axiom Works	Wembley, Middlesex, England	
Hoffman Co., H.L.	35 Old County Rd, Westbury	NY
International Equipment Co	1284 Soldiers Field St, Boston 35	Mass
L.A.B. Corp	992 Onondaga, Skaneateles	NY
Ling Electronics Div., Ling Altec Electronics	1515 Manchester, Anaheim	Cal
MB ELECTRONICS, A DIV OF TEXTRON ELECTRONICS, INC., Adv Pg 325	**P.O. Box 1825, New Haven 8**	**Conn**
Miller Co., L.C.	5005 E. Slauson Ave, Los Angeles 22	Cal
Solartron, Inc	1742 S. Zeyn St, Anaheim	Cal
Stellardyne Labs., Inc	1525 Cayamaca, El Cajon	Cal
Unholtz-Dickie Corp	2994 Whitney Ave, Hamden 18	Conn
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Wyle Mfg. Corp	133 Center St, El Segundo	Cal

VIBRATORS *–ULTRASONIC See* ULTRASONIC EQUIPMENT
VIBRATOR TESTERS *See* TESTERS *–VIBRATOR*
VIBRATOR-TYPE CONVERTERS *–A-C TO A-C See* CONVERTERS *–POWER*
VIBRATOR-TYPE INVERTERS *See* INVERTERS
VIDEO AMPLIFIERS *See* AMPLIFIERS *–R-F*
VIDEO ANALYZERS *See* ANALYZERS *–VIDEO*
VIDEO MIXER AMPLIFIERS *See* AMPLIFIERS *–R-F*
VIDEO MIXERS *See* AMPLIFIERS *–R-F*
VIDEO MONITORS *See* MONITORS *–VIDEO*
VIDEO RECORDERS *See* RECORDERS *–MAGNETIC TAPE*
VINYLS *See* PLASTICS
VISCOSIMETERS *See* INDICATORS *–VISCOSITY*
VISCOSITY CONTROLS *See* CONTROLS *–VISCOSITY*
VISCOSITY INDICATORS & METERS *See* INDICATORS *–VISCOSITY*
VISES *–HOLDING See* FIXTURES
VLF COMMUNICATION SYSTEMS *See* COMMUNICATION SYSTEMS
VLF RECEIVERS *See* RECEIVERS *–RADIO COMMUNICATION*
VLF TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE*
VLF TRANSMITTERS *See* TRANSMITTERS *–RADIO COMMUNICATION*
VOICE-ACTUATED CONTROLS *See* CONTROLS *–SOUND-ACTUATED*
VOICE COILS *See* COILS *–SPEAKER VOICE*
VOLTAGE CALIBRATORS *See* VOLTMETERS
VOLTAGE COMPARATORS *See* COMPARATORS
VOLTAGE DIVIDERS *See* DIVIDERS *–VOLTAGE*
VOLTAGE-DIVIDING TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE SPECIAL*
VOLTAGE-REFERENCE TUBES *See* TUBES *–VOLTAGE-REFERENCE*
VOLTAGE-REGULATING TRANSFORMERS *See* TRANSFORMERS *–IRON-CORE, POWER*
VOLTAGE REGULATORS *See* REGULATORS *–VOLTAGE*
VOLTAGE-SENSITIVE RESISTORS *See* RESISTORS *–VOLTAGE-SENSITIVE*

VOLTAGE SOURCES *–DECADE*

Bruel & Kjaer	Lindealle 23, Naerum, Denmark	
CONSOLIDATED RESISTANCE CO OF AMERICA INC., Adv Pg 456	**44 Prospect St, Yonkers**	**NY**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
Gertsch Products, Inc	3211 S. La Cienega, Los Angeles 16	Cal
Holt Instrument Laboratories	Oconto	Wisc
JULIE RESEARCH LABS., Adv Pg 289	**556 W. 168th St, New York 32**	**NY**

VOLTAGE-STABILIZING TRANSFORMERS *See* TRANSFORMERS
VOLTAGE STANDARDS *See* STANDARDS
VOLTAGE STANDING-WAVE RATIOMETERS *See* DETECTORS *–STANDING-WAVE*
VOLTAGE-VARIABLE CAPACITORS *See* CAPACITORS *–VARIABLE*

VOLTMETERS
1. A-C 2. A-C, TRUE RMS 3. BALLISTIC 4. CONTACT-MAKING 5. D-C 6. D-C, DIFFERENTIAL, NULL OR REFERENCE 7. DIGITAL 8. DIGITAL, AUTOMATIC RANGE-CHANGING 9. ELECTRONIC, A-C POWERED (VTVM) 10. ELECTRONIC, BATTERY-POWERED (VTVM) 11. ELECTRONIC SLIDEBACK (VTVM) 12. ELECTROSTATIC 13. KILOVOLTMETERS 14. MICROVOLTMETERS, D-C 15. MILLIVOLTMETERS, A-C 16. MILLIVOLTMETERS, D-C 17. MILLIVOLTMETERS, RATE-OF-CHANGE 18. PEAK 19. VOLTAGE RADIO, DIGITAL

AEG, 1-5-14-15-16	Hochhaus Sued, Frankfurt/Main, Germany	
ACTON LABS, INC., 9, Adv Pg 222	**533 Main St, Acton**	**Mass**
Adage, Inc., 7-8-19	292 Main St, Cambridge	Mass
Airmec Ltd., 9-15	High Wycombe, Buckinghamshire, England	
AIRPAX ELECTRONICS INC., SEMINOLE DIV., 1-5-15-16, Adv. Pgs. 44, 45	**Fort Lauderdale**	**Fla**
Airtronics International Corp., 9	P.O. Box 8576, Fort Lauderdale	Fla
ALCO ELECTRONIC PRODUCTS, INC., 1-5, Adv Pg 502	**3 Wolcott Ave, Lawrence**	**Mass**
Allen Electric & Equipment Co., 1-5-15-16	2101 N. Pitcher St, Kalamazoo	Mich
Allied Radio Corp., 9	100 N. Western Ave, Chicago 80	Ill
Alpha Instrument Co., 9	43 Hempstead St, New London	Conn
American Machine & Foundry Co., 2	1025 N. Royal St, Alexandria	Va
American Machine & Foundry Co., Government Products Group, 1	1701 K St, N.W., Washington 6	DC
Anadex Instruments, Inc., 6	14734 Arminta St, Van Nuys	Cal
Assembly Products, Inc., 1-4-5-15-16-17	75 Wilson Mills Rd, Chesterland 6	Ohio
Avo Ltd., 9	80 Shore Rd, Port Washington	NY
B & H Instrument Co., 7-8-15-17	3479 W. Vickery Blvd, Ft. Worth 7	Tex
B & K Instruments, Inc., 2	3018 W. 106th St, Cleveland 11	Ohio
BALLANTINE LABORATORIES, INC., 1-2-9-10-13-15-18, Adv Pg 59	**Boonton**	**NJ**
BECKMAN/BERKELEY DIV., 7, Adv. Pgs. 308, 309	**2200 Wright Ave, Richmond**	**Cal**
Beckman Instruments, Inc., Systems Div., 7	325 N. Muller Ave, Anaheim	Cal
Beede Electrical Inst Co., Inc., 1-5-6-16	Penacook	NH
Belleville-Hexem Corp., 5-6-10-16	638 University Ave, Los Gatos	Cal
Belock Instrument Corp., 7	112-03 14 Ave, College Point	NY
Bergen Labs., Inc., 9	60 Spruce St, Paterson 1	NJ
Berkshire Laboratories, 9	580 Bank Village, Greenville	NH
BOONTON ELECTRONIC CORP., 1-2-5-6-9-14-15-16-17, Adv Pg 462	**738 Speedwell, Morris Plains**	**NJ**
Bruel & Kjaer, 1-2-15	Lindealle 23, Naerum, Denmark	
Bruno-New York Industries Corp., 5-14-15-16	460 W. 34 St, New York 1	NY
Burr-Brown Research Corp., 1-10-15	P.O. Box 6444, Tucson	Ariz
Calibration Standards Corp., 1-5-6-16-19	1130 W. Fifth Ave, Pomona	Cal
Canadian Research Institute, 1-4-5-6-9-10-11-12-13-15-16-18	46 St. George St, Toronto 5, Ontario, Canada	
Columbia Electric Mfg. Co., 1-5	4519 Hamilton Ave N.E., Cleveland 14	Ohio
Composite Industrial Metals, Inc., 3	235 Georgia Ave, Providence 5	RI
Computing Devices of Canada, Ltd., 7	P.O. Box 508, Ottawa, Ontario, Canada	
Consolidated Electrodynamics Corp., 1-2	360 N. Sierra Madre Villa, Pasadena	Cal
Control Devices, Inc., 9-18	925 S. Eton Rd, Birmingham	Mich
CORNELL-DUBILIER ELECTRIC CORP., 10, Adv Pg 321	**South Plainfield**	**NJ**

Cubic Corp., 1-5-7-8-13-14-19	5575 Kearny Villa Rd, San Diego 11	Cal
CURTISS-WRIGHT, ELECTRONICS DIV., 18, Adv Pg 80	**35 Market St, East Paterson**	**NJ**
Curtiss-Wright Corp., IMI Branch, 18	P.O. Box 8324, Albuquerque	NM
CURTISS-WRIGHT CORP., PRINCETON DIV., 1-5-14-15-16-17, Adv Pg 75	**Princeton**	**NJ**
DAVEN CO., 9, Adv. Pgs. 220, 221	**Rt 10, Livingston**	**NJ**
Davenport Mfg. Co., 7-13	2530-32 N. Elston Ave, Chicago	Ill
Dawe Instruments Ltd., 9-10	99 Uxbridge Rd, London W5, England	
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 4-7-10-14-15-16-17-18, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
DEJUR-AMSCO CORP., 1-5-13-15-16, Adv. Pgs. 110, 111	**Northern Blvd at 45 St, L I City 1**	**NY**
Demolab Corp.	1550 N. Highland Ave, Hollywood	Cal
Du Mont Labs., Inc., Allen B., 9	750 Bloomfield Ave, Clifton	NJ
DYMEC, DIV., HEWLETT-PACKARD CO., 5-7, Adv. Pgs. 376, 377	**395 Page Mill Rd, Palo Alto**	**Cal**
Dynamics Instrumentation Co., 5-6-14-16	1118 Mission, S. Pasadena	Cal
E-H RESEARCH LABORATORIES, INC., 1-5-9-15-16, Adv. Pgs. 213-216	**163 Adeline St, Oakland 20**	**Cal**
EIR Corp., 1-5-9-11-14-15-17-18	5177 Overland Ave, Culver City	Cal
E O Electronics, Inc., 9-15	Mountain Lakes	NJ
Electric Design & Mfg. Corp., 1-5-15-16	Burlington	Iowa
ELECTRIC REGULATOR CORP., 4, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
Electro Instruments, Inc., 1-2-4-5-7-8-13-14-15-16-17-18-19	3540 Aero Ct, San Diego	Cal
Electro-Logic Corp., 1-2-5-7-9-10-16-19	515 Boccaccio, Venice	Cal
Electro-Mechanical Instrument Co., 1-5-16	813 Chestnut St, Perkasie	Pa
Electronic Applications, Inc., 1-2-9-12-15	194 Richmond Hill Ave, Stamford	Conn
Electronic Associates, Inc., 7	Long Branch	NJ
ELECTRONIC INSTRUMENT CO., INC., 5-18, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp., 9	625 Broadway, New York 12	NY
Engineering Associates, 9	434 Patterson Rd, Dayton 19	Ohio
Epic, Inc., 1-5-12-15-16	150 Nassau St, New York 38	NY
EPSCO, INC., EQUIPMENT DIV., 1-5-7, Adv. Pgs. 389, 390	**275 Massachusetts Ave, Cambridge 39**	**Mass**
Esterline-Angus Co., Inc., 1-2-4-5-13-16	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd., 1-2-3-4-5-6-16	Chiswick, London W. 4, England	
Federal Pacific Electric Co., (Fifty Ave L, Inc.), 1-2-4-5-6-13-14-15-16	Fifty Ave L, Newark 1	NJ
Flow Corp., 2	85 Mystic St, Arlington	Mass
Fluke Mfg. Co., John, 1-2-5-6-9-11-13-14-15-16 15-16	P.O. Box 7161, Seattle 33	Wash
Franklin Electronics, Commun & Control Div., 7-8	5901 Noble Ave, Van Nuys	Cal
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 1-4-5-13-16, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
GENERAL METERS, INC., 1-5-6-13-16, Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
GENERAL RADIO CO., 9-16, Adv Pg 285	**West Concord**	**Mass**
Gerber Scientific Instrument Co., 7	89 Spruce St, Hartford 1	Conn
Gertsch Products, Inc., 13-18-19	3211 S. La Cienega, Los Angeles 16	Cal
Greibach Instruments Corp., 1-2-5-6-13-15-16	315 North Ave, New Rochelle	NY
Gyra Electronics Corp., 4-5-6-11	P.O. Box 184, La Grange	Ill
Halex, Inc., 5-6-9-10-11-12-13-14	310 E. Imperial Hwy, El Segundo	Cal
Hallamore Electronics Co., 6	714 N. Brookhurst Ave, Anaheim	Cal
Heath Co., A Sub of Daystrom, Inc., 1-5-9-10	Benton Harbor	Mich
Helipot Div., Beckman Instruments, Inc., 1-2-5-9-14-15-16-17	2500 Fullerton Rd, Fullerton	Cal
HEWLETT-PACKARD CO., 1-5-8-9-10-14-15-16, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 1-2-5-9-14-15-16	10514 Dupont, Cleveland 8	Ohio
HOYT ELECTRICAL INSTRUMENT WKS., INC., Adv Pg 534	**42 Carleton St, Cambridge 42**	**Mass**
Industrial Control Co., 5-6-9-16	Central at Pinelawn, Farmingdale	NY
INDUSTRIAL DEVICES, INC., 1-5, Adv Pg 558	**Edgewater 8**	**NJ**
Instrument Electronics Corp., 9	P.O. Box 830, Pt. Washington	NY
Instrument Laboratories, 10	315 W. Walton Pl, Chicago 10	Ill
Interlab, Inc., 1-5-13	437-5th Ave, New York 16	NY
International Instruments, Inc., 1-5-16	P.O. Box 2954, New Haven 15	Conn
Jackson Electrical Instrument Co., 9	124 McDonough St, Dayton 2	Ohio
JENNINGS RADIO MFG. CORP., 13, Adv Pg 280	**970 Mc Laughlin Ave, P.O. Box 1278, San Jose 8**	**Cal**
KAY ELECTRIC CO., 9, Adv Pg 469	**Maple Ave, Pine Brook**	**NJ**
Keithley Instruments, Inc., 5-6-9-10-13-14-16	12415 Euclid Ave, Cleveland 6	Ohio
KIN TEL DIV., COHU ELECTRONICS, 5-6-7-8-14-16-19, Adv. Pgs. 430, 431	**5725 Kearny Villa Rd, San Diego 12**	**Cal**
Knight Electronics, 1-5-8-9	210 S. Des Plaines St, Chicago 6	Ill
Kraus Electronics, Inc., 7	1405 University Ave, Palo Alto	Cal
Kyoritsu Electrical Instruments Works, Ltd., 1-5-9-10-15-16	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Landsverk Electrometer Co., 12	641 Sonora Ave, Glendale 1	Cal
MARCONI INSTRUMENTS, 1-5-9, Adv Pg 203	**111 Cedar Ln, Englewood**	**NJ**
Marion Instrument Div., Minneapolis-Honeywell Regulator Co., 1-2-5-6-13-16	Grenier Field, Manchester	NH
Marstan Electronics Corp., 10	204 Babylon Trnpk, Roosevelt	NY
Martindale Electric Co., 1-5	Edgewater Branch, Box 617, Cleveland 7	Ohio
MEASUREMENTS DIV., McGRAW-EDISON CO., 9, Adv Pg 546	**Boonton**	**NJ**
Meters, Inc., 1-5-13-16	5353 N. Keystone Ave, Indianapolis 20	Ind
METRONIX, INC., 2-4-9-10, Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
Millivac Instruments Div., Cohu Electronics Inc., 1-2-5-9-10-14-15-16	2315 Second Ave, Schenectady	NY
Minn-Honeywell, Industrial Div., 16	Wayne & Windrim, Philadelphia 44	Pa
Molded Insulation Co., 9-10	335 E. Price St, Phila 44	Pa
MOLECTRONICS CORP., MINN-MOLINE SUB., 1-2-5-7-9-19, Adv Pg 152	**1717 N. Potrero Ave, South El Monte**	**Cal**
MOSELEY CO., F. L., 4-5-6-16, Adv. Pgs. 354, 355	**409 N. Fair Oaks, Pasadena**	**Cal**
MOTOROLA COMMUNICATIONS & ELECTRONICS, INC., 1, Adv Pg 509	**4501 Augusta Blvd, Chicago 51**	**Ill**
Mullard Equipment, Ltd., 9	Torrington Pl, London W.C. 1, England	
National Electronics, 1-2-4-5-12-13-15-16	P.O. Box 1237, Sheridan	Wyo
Nesco Instruments, Inc., 1-8-9-13	638 W. 17th St, Costa Mesa	Cal
New England Scientific Instruments Co., 1-2-5-12-13-14-15-16	238 Main St, Cambridge 42	Mass
Newport Scientific Co., 1-2-5-6-9-12	638 W. 17th St, Costa Mesa	Cal
NON-LINEAR SYSTEMS, INC., 7-8-19, Adv Pg 123	**P.O. Box 728, Del Mar**	**Cal**
NORTH ATLANTIC INDUSTRIES, INC., 1, Adv Pg 56	**Terminal Dr, Plainview**	**NY**
OWEN LABORATORIES, INC., 6, Adv Pg 562	**55 Beacon Pl, Pasadena**	**Cal**
Pace Electrical Instruments Co., Inc., 1-5-16	70-31 84 St, Glendale 27	NY
Packard Bell Computer Corp., 7	1905 Amracost Ave, Los Angeles 25	Cal
Phaostron Instrument & Electronic Co., 1-5-15-16	151 Pasadena Ave, South Pasadena	Cal
PHILBRICK RESEARCHES, INC., GEORGE A., 6, Adv Pg 509	**127 Clarendon St, Boston 16**	**Mass**
Philco Corp., Gov't & Ind'l Div., 1-5-9-15-16	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V., 1-5-9-12-14-15-16	Eindhoven, Netherlands	
PRECISE MEASUREMENTS CO., 12-13, Adv Pg 204	**R. D. 1, Millbrooks, Flemington**	**NJ**
PRECISION APPARATUS CO., INC., 1-5-9-10-16, Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Precision Electronics, Inc., 10	9101 King St, Franklin Park	Ill
Pyramid Instrument Corp., 1-5-14-16	630 Merrick Rd, Lynbrook	NY
Q.V.S. Inc., 1-5-6-13-14-16	20 N. 15th St, East Orange	NJ
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., 11, Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**
Radiometer, 5-9-16	72 Emdrupvej, Copenhagen NV 1, Denmark	
RAWSON ELECTRICAL INSTRUMENT CO., 1-2-5-6-12-13-16-18, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Research Industrial Labs of Electronics, 9	Roslyn	Pa
Sangamo Electric Co., 1	1201 N. 11 St, Springfield	Ill
Scopes Co., Inc., 10-15	P.O. Box 56, Monsey	NY
Scott, Inc., H.H., 18	111 Powder Mill Rd, Maynard	Mass
Seco Mfg. Co., 9	5015 Penn Ave S., Minneapolis	Minn
SENSITIVE RESEARCH INSTRUMENT CORP., 1-2-5-6-12-13-16-18, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
Servo-Tek Products Co., Inc., 1-5	1086 Goffle Rd, Hawthorne	NJ
SHALLCROSS MFG. CO., 13, Adv Pg 148	**Selma**	**NC**
Shurite Meters, 1-5	130 Wallace St, New Haven 8	Conn
Simpson Electric Co., Div., American Gage & Machine Co., 1-2-4-5-6-9-13-15-16	5218 W. Kinzie St, Chicago 44	Ill
Smith-Florence, Inc., 5-6-11-13-14-16	4228 23rd W., Seattle	Wash
Solartron, Inc., 2-7-9	1742 S. Zeyn St, Anaheim	Cal
SORENSEN & CO., INC., 13, Adv Pg 70	**Richards Ave, Norwalk**	**Conn**
Southwestern Ind. Electronics Co., 1-5-9-10-15-16	10201 Westheimer Rd, Houston 19	Tex
Specialty Electronics Development Corp., 1-9-10	Eileen Way, Syosset	NY
Stark Electronic Instr, Ltd., 1-2-5-6-9-10-14-15-16	P.O. Box 670, Ajax, Ontario, Canada	
Sterling Mfg. Co., 1-5	7201 Wentworth, Cleveland 2	Ohio
STICHT CO., INC., HERMAN H., 12, Adv Pg 550	**27 Park Pl, New York 7**	**NY**
Sun Electric Co., 1-5-13-16	6323 Avondale St, Chicago 31	Ill
Systron Corp., 2-7-19	950 Galindo St, Concord	Cal
Technique Assoc, Div., Duncan Elec, 4	1413 N. Cornell Ave, Indianapolis	Ind
Tenlo Research Corp., 1	9424 Lyndale Ave S., Minneapolis 20	Minn
Thermovolt Instruments, Ltd., 1-4-5-13-14-15-16-17	70 Advance Rd, Toronto 18, Ontario, Canada	
Trepac Corp of America, 6-10-16	30 W. Hamilton Ave, Englewood	NJ
TRIO LABORATORIES, INC., 1-2-5-6-9-15-16, Adv Pg 283	**Plainview**	**NY**
Triplett Elec Instrument Co., 1-5-6-9-10-13-15-16	Harmon Rd, Bluffton	Ohio
Van Norman Industries, Elect Div., 1-5-6-13	186 Granite St, Manchester	NH
Voltron Products, 1-2-4-5	1020 S. Arroyo Pkwy, Pasadena	Cal
Wac Line, Inc., 1-2-4-5-12-13-15-16-18	35 S. St. Clair St, Dayton 2	Ohio
Waldom Electronics, Inc., 1-5	4621 W. 53rd St, Chicago 32	Ill
Waveforms, Inc., 1-9-15	333 6th Ave, New York 14	NY
Wayne Kerr Corp., 1-5-9-13-15-16	1633 Race St, Philadelphia 3	Pa
West Instrument Corp., 16	4363 W. Montrose, Chicago 41	Ill
Western Electro-Acoustic Lab., 9	11787 San Vicente Blvd, Los Angeles	Cal
WESTINGHOUSE ELECTRIC CORP., 1-2-4-5-6-7-13-16, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc., 1-5	40 Worth St, New York 13	NY
Zinn Instruments, 1-5-7-8-9-19	P.O. Box 733, Lomita	Cal

VOLT-OHMMETERS See VOLTMETERS —*ELECTRONIC*

VOLT-OHM-MILLIAMMETERS

Allen Electric & Equipment Co.	2101 N. Pitcher St, Kalamazoo	Mich
Allied Radio Corp	100 N. Western Ave, Chicago 80	Ill
Alpha Instrument Co	43 Hempstead St, New London	Conn
Avo Ltd.	80 Shore Rd, Port Washington	NY
Bruno-New York Industries Corp	460 W. 34 St, New York 1	NY
Canadian Research Institute	46 St. George St, Toronto 5, Ontario, Canada	
Carol Electronics Corp.	315 W. Stephen St, Martinsburg	W. Va
CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Electro Instruments, Inc	3540 Aero Ct, San Diego	Cal
ELECTRONIC INSTRUMENT CO., INC., Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Electronic Measurements Corp	625 Broadway, New York 12	NY
GENERAL METERS, INC., Adv. Pgs. 162, 163	**P.O. Box 1701, Grand Junction**	**Colo**
Greibach Instruments Corp.	315 North Ave, New Rochelle	NY
Heath Co., A Sub of Daystrom, Inc	Benton Harbor	Mich
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co.	10514 Dupont, Cleveland 8	Ohio
ITI Electronics Inc	369 Lexington Ave, Clifton	NJ
Instrument Laboratories	315 W. Walton Pl, Chicago 10	Ill
International Instruments, Inc.	P.O. Box 2954, New Haven 15	Conn
Knight Electronics	210 S. Des Plaines St, Chicago 6	Ill
Kyoritsu Electrical Instruments Works, Ltd	No 120, Nakane-cho, Meguro-ku, Tokyo,	Japan
Martindale Electric Co	Edgewater Branch, Box 617, Cleveland 7	Ohio
Meters, Inc	5353 N. Keystone Ave, Indianapolis 20	Ind
Millivac Instruments Div., Cohu Electronics Inc	2315 Second Ave, Schenectady	NY
Molded Insulation Co	335 E. Price St, Phila 44	Pa
National Electronics	P.O. Box 1237, Sheridan	Wyo
Newport Scientific Co.	638 W. 17th St, Costa Mesa	Cal
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
PRECISION APPARATUS CO., INC., Adv. Pgs. 244, 245	**70-31 84 St, Glendale 27**	**NY**
Precision Electronics, Inc	9101 King St, Franklin Park	Ill
Pyramid Instrument Corp	630 Merrick Rd, Lynbrook	NY
Q.V.S., Inc	20 N. 15th St, East Orange	NJ
RADIO CORP OF AMERICA, ELECTRON TUBE DIV., Adv. Pg. 3rd Cover	**415 S. 5th St, Harrison**	**NJ**

RAWSON ELECTRICAL INSTRUMENT CO., Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Servo-Tek Products Co., Inc.	1086 Goffle Rd, Hawthorne	NJ
Simpson Electric Co., Div., American Gage & Machine Co	5218 W. Kinzie St, Chicago 44	Ill
Stark Electronic Instruments, Ltd	P.O. Box 670, Ajax, Ontario, Canada	
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
Triplett Elec Instrument Co	Harmon Rd, Bluffton	Ohio
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Yokogawa Electric Works, Inc.	40 Worth St, New York 13	NY
Zinn Instruments	P.O. Box 733, Lomita	Cal

VOLUME CONTROLS See **POTENTIOMETERS**
VOLUME INDICATORS See **INDICATORS** *–SOUND LEVEL*
VOLUME UNIT METERS See **METERS-VU**
VSWR CALIBRATORS, INDICATORS, METERS & MONITORS See **DETECTORS** *–STANDING-WAVE*
VULCANIZED FIBRE See **FIBRE** *–VULCANIZED*
VU METERS See **METERS-VU**

WASHERS

1. INSULATING 2. LOCK 3. METAL See *Also* **GROMMETS**

ALDEN PRODUCTS CO., 2, Adv Pg 423	**112 N. Main St, Brockton 64**	**Mass**
Allied Plastics Supply Corp., 1	75 Cliff St, New York 38	NY
Alloys Unlimited, Inc., 3	21-03 43rd Ave, Long Island City 1	NY
ALLMETAL SCREW PRODUCTS CO., INC., 2-3, Adv Pg 558	**821 Stewart Ave, Garden City**	**NY**
Alpha Metals, Inc., 3	600 Water St, Jersey City	NJ
Aluminum Co of America, 3	Alcoa Bldg, Pittsburgh 19	Pa
Amatom Electronic Hardware Co., Inc., 1-3	88 Drake Ave, New Rochelle	NY
American Felt Co., 1	10 Glenville Rd, Glenville	Conn
AMERICAN LAVA CORP., 1, Adv Pg 375	**Cherokee & Mfgrs Rd, Chattanooga 5**	**Tenn**
Anchor Metal Co., The, 3	966 Meeker Ave, Brooklyn 22	NY
Anti-Corrosive Metal Products Co., Inc., 2-3	Castleton-on-Hudson	NY
Asheville-Schoonmaker Mica Co., 1	900 Jefferson Ave, Newport News	Va
Atlas Screw & Specialty Co., Inc., 2-3	450 Broome St, New York 13	NY
Auburn Mfg. Co., The, 1-3	Pease Ave & Stack St, Middletown	Conn
Autoscrew Co., Inc., 2-3	216-222 W. 18th St, New York 11	NY
Barwood Mfg. Co., Inc., L. J., 1-3	22 Williams St, Everett 49	Mass
BIRNBACH RADIO CO., INC., 1-2-3, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Blinn Co., Delbert, 1	P.O. Box 757, Pomona	Cal
Braun Tool & Instrument Co., Inc., H, 3	140 Fifth Ave, Hawthorne	NJ
Carmer Industries, Inc., 1	22 N. 26 St, Kenilworth	NJ
Carroll Pressed Metal, Inc., 3	133 Dewey St, Worcester	Mass
Ceramco Inc., Chemists, 1	173 Ridge St, Newark 4	NJ
Chase Brass & Copper Co., Inc., 2-3	236 Grand St, Waterbury 20	Conn
Chemplast, Inc., 1	3 Central Ave, East Newark	NJ
CIRCON COMPONENT CORP., 1-2-3, Adv Pg 466	**Santa Barbara Airport, Goleta**	**Cal**
Cleveland Graphite Bronze Div., Clevite, 3	17000 St. Clair Ave, Cleveland 10	Ohio
Continental Screw Co., 3	459 Mt Pleasant St, New Bedford	Mass
Cortland Industries, Inc., 1	4545 Cortland St, Chicago 39	Ill
Cosmo Plastics Co., 1	3239 W. 14 St, Cleveland	Ohio
Cox Mfg. Co., 1-3	807 Fredericksburg Rd, San Antonio 1	Tex
Darrill Products Corp., 1	107 Falmouth St, Attleboro	Mass
Division Lead Co., 3	7742 W. 61st Pl, Summit	Ill
Dixon Corp., 1	19-21 Burnside St, Bristol	RI
Duramic Products, Inc., 1	426 Commercial Ave, Palisades Park	NJ
Eaton Mfg. Co., Reliance Div., 2	25 Charles Ave S.E., Massillon	Ohio
ELECTRICAL INSULATION CO., INC., 1, Adv Pg 556	**1245 Marconi Blvd, Copiague**	**NY**
Emerson Plastics Corp., 1	1383 Seabury Ave, Bronx 61	NY
Enflo Corp., 1	Fellowship Rd, Rt. 73, Maple Shade	NJ
FEDERAL SCREW PRODUCTS, INC., 1-2-3, Adv Pg 565	**3917 N. Kedzie Ave, Chicago 18**	**Ill**
Fisher & Crome, 1	107 N. Camac St, Philadelphia 7	Pa
Franklin Fibre Lamitex Corp., 1	P.O. Box 1768, Wilmington	Del
Garrett Co., Inc., George K., 2-3	Torresdale Ave at Tolbut St, Phila 36	Pa
Gemex Corp., Industrial Div., 3	1200 Commerce Ave, Union	NJ
General Components Co., 1-3	225-229 E. 144th, New York 51	NY
General Gaskets, Inc., 1	Middletown	Conn
GRAYHILL, INC., 1, Adv. Pgs. 346, 347	**537 Hillgrove Ave, La Grange**	**Ill**
Gries Reproducer Corp., 1	151 Beechwood St, New Rochelle	NY
HK Metal Craft Mfg. Corp., 1-2-3	3775 Tenth Ave, New York 34	NY
Holub Industries, Inc., 3	468 Elm St, Sycamore	Ill
I.E. Manufacturing, 1-3	325 N. Hoyne Ave, Chicago 12	Ill
Insulation Manufacturers Corp, 1	565 W. Washington Blvd, Chicago 6	Ill
Isolantite Mfg. Corp., 1	Stirling	NJ
Joclin Mfg. Co., 1	9 Lufbery Ave, Wallingford	Conn
Jodee Plastics, Inc., 1	36 Crescent St, Brooklyn 8	NY
Johns-Manville, 1	22 E. 40 St, New York 16	NY
Jones Electronics, Hiram, 1	2313 W. Olive Ave, Burbank	Cal
Keystone Bolt & Nut Corp., 2-3	127 Church St, New York 7	NY
Keystone Electronics Corp., 1	49 Bleecker St, New York 12	NY
Kling Metal Spinning Co., 3	247 Centre St, New York	NY
Kuss Industries, Inc., 1	Tacony & Lewis Sts, Philadelphia 24	Pa
Laminated Sheet Products Corp., 1	449 Neponset St, P.O. Box 390, Norwood	Mass
Laminated Shim Co., Inc., 3	4601 Union St, Glenbrook	Conn
Lehigh Metal Products Co., 2-3	134 Alewife Brook Pkwy, Cambridge	Mass
Long, Inc., Thomas J., 1	215 Stonehinge Ln, Carle Place	NY
Marstan Electronics Corp., 1	204 Babylon Trnpk, Roosevelt	NY
Maryland Lava Co., 1	Dept GB, Bel Air	Md
Mercury Air Parts Co., 1-2-3	9310 W. Jefferson Blvd, P.O. Box 135, Culver City	Cal
Metal Findings Corp., 3	152 W. 22nd St, New York 11	NY
Mica Fabricating Co., 1	53 Central Ave, Rochelle Park	NJ
MILHAUPT ENGINEERING CO., LUCAS, 3, Adv Pg 495	**5075 S. Lake Dr, Cudahy**	**Wisc**
Minisink Rubber Co., Inc., 1	Orange County, Unionville	NY
Minor Rubber Co., Inc., 1	49 Ackerman St, Bloomfield	NJ
Monadnock Mills Div., United Carr, 1	1977 1st Ave, San Leandro	Cal
Morris Co., J.I., 2-3	376 Elm St, Southbridge	Mass
National Beryllia Corp., 1	4501 Dell Ave, North Bergen	NJ
National Ceramic Co., 1	400 Southard St, Trenton 2	NJ
National Gasket & Washer Co., 1-3	122 E. 25 St, New York	NY
Newcomb Spring Corp., The, 3	228 College Hwy, Valley Stream	NY
Northern Plastics Corp., 1	Second & Market Sts, LaCrosse	Wisc
Nyltite Corp of America, 1-2	282 Badger Ave, Newark 8	NJ
Oki & Willadsen, Ltd., 1	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Parker Metal Goods Co., 3	85 Prescott St, Worcester	Mass
Peerless Products Industries, 1-3	812 N. Pulaski St, Chicago 51	Ill
Penn Fibre & Specialty Co., 1-2-3	2020 E. Westmoreland St, Philadelphia 34	Pa
PENN-UNION ELECTRIC CORP., 2, Adv Pg 528	**315 State St, Erie**	**Pa**
Permali, Inc., 1	P.O. Box 718E, Mt. Pleasant	Pa
Permonite Mfg. Co., 1	910 W. Jackson Blvd, Chicago 7	Ill
Pheoll Mfg. Co., Inc., 3	5700 Roosevelt Rd, Chicago 50	Ill
Phillips Mfg. Co., 3	3406 W. Touhy Ave, Chicago 45	Ill
POLYMER CORP., 1, Adv Pg 212	**2120 Fairmont Ave, Reading**	**Pa**
Positive Lock Washer Co., 2	181 Vanderpool St, Newark 5	NJ
Quadriga Mfg. Co., 1-3	213 W. Grand Ave, Chicago 10	Ill
Remsel Industries, Inc., 3	580 E. 40th St, Chicago 15	Ill
RESDEL CORP., 1, Adv Pg 516	**P.O. Box 217, Rio Grande**	**NJ**
Rosan, Inc., 3	2901 W. Coast Hwy, Newport Beach	Cal
Ross Co., Milton, 1	239 Jacksonville Rd, Hatboro	Pa
Semi-Alloys, Inc., 3	550 S. Fulton Ave, Mt. Vernon	NY
Shakeproof Div., Ill Tool Works, 2-3	St. Charles Rd, Elgin	Ill
Sheffco Mfg. Corp., 1-3	323 Bergen Blvd, Fairview	NJ
Smith, Inc., Herman H., 1-2-3	2326 Nostrand Ave, Brooklyn 10	NY
Spaulding Fibre Co., Inc., 1	310 Wheeler St, Tonawanda	NY
Spruce Pine Mica Co., 1	Spruce Pine	NC
Stalwart Rubber Co., 1	160 Northfield Rd, Bedford	Ohio
Standard Locknut & Lockwasher, Inc., 2	2250 Valley Ave, Indianapolis 18	Ind
Star Stainless Screw Co., 2-3	655 Union Blvd, Totowa	NJ
Staver Co., Inc., 1-3	41 N. Saxon Ave, Bay Shore	NY
Stimpson Co., Inc., Edwin B., 3	74 Franklin Ave, Brooklyn 5	NY
Thompson-Bremer & Co., 2	228 N. LaSalle St, Chicago 1	Ill
Thomson Mfg. Co., Judson L., 3	22 Sawyer Rd, Waltham 54	Mass
Thor Ceramics, Inc., 1	225 Belleville Ave, Bloomfield	NJ
Tri-Point Plastics, Inc., 1	175 E. U. Willets Rd, Albertson	NY
United Mineral & Chemical Corp., 1	16 Hudson St, New York 13	NY
United Screw & Bolt Corp., 2-3	3590 W. 58 St, Cleveland 2	Ohio
Waldom Electronics, Inc., 1-2-3	4621 W. 53rd St, Chicago 32	Ill
WALSCO ELECTRONICS MFG. CO., 2, Adv Pg 521	**400 S. Wyman St, Rockford**	**Ill**
Weckesser Co.	5701 Northwest Hwy, Chicago 46	Ill
Wilmington Fibre Specialty Co., 1	New Castle 6	Del
Wrought Washer Mfg. Co., 1-2-3	2264 S. Bay St, Milwaukee 7	Wisc

WATER DEMINERALIZERS See **DEMINERALIZERS & STILLS**
WATER LEAK DETECTORS See **DETECTORS** *–LEAK, WATER*
WATERPROOF BOXES See **BOXES**

WATTMETERS

1. ELECTRONIC 2. METER-TYPE 3. MICROWAVE CALORIMETRIC

AEG, 2	Hochhaus Sued, Frankfurt/Main, Germany	
Aircom, Inc., 3	48 Cummington St, Boston	Mass
Airtron, Div of Litton Industries, 3	200 E. Hanover Ave, Morris Plains	NJ
Assembly Products, Inc., 2	75 Wilson Mills Rd, Chesterland 6	Ohio
Aviation Electric, Ltd., 1-3	200 Laurentien, Ville St. Laurent, Montreal, Quebec, Canada	
BALLANTINE LABORATORIES, INC., 1, Adv Pg 59	**Boonton**	**NJ**
Bellaire Electronics, Inc., 2	62 White St, Red Bank	NJ
BIRD ELECTRONIC CORP., 1, Adv Pg 437	**30303 Aurora Rd, Cleveland 39**	**Ohio**
Bogart Mfg. Corp., 3	315 Seigel St, Brooklyn 6	NY
Canadian Research Institute, 2	46 St. George St, Toronto 5, Ontario, Canada	
Chemalloy Electronics Corp., 3	Gillespie Field, Santee	Cal
Cubic Corp., 3	5575 Kearny Villa Rd, San Diego 11	Cal
DAYSTROM, INC., WESTON INSTRUMENTS DIV., 1-2-3, Adv Pg 368	**614 Frelinghuysen Ave, Newark 12**	**NJ**
EITEL-McCULLOUGH, INC., 3, Adv. Pgs. 328, 329	**301 Industrial Way, San Carlos**	**Cal**
ELECTRIC REGULATOR CORP., 1, Adv Pg 447	**Pearl St, Norwalk**	**Conn**
ELECTRO IMPULSE LAB., INC., 1-3, Adv Pg 335	**208 River St, Red Bank**	**NJ**
Electro-Logic Corp., 1	515 Boccaccio, Venice	Cal
ELECTRONIC INSTRUMENT CO., INC., 1, Adv Pg 516	**3300 Northern Blvd, Long Island City**	**NY**
Epic, Inc., 2	150 Nassau St, New York 38	NY
Esterline-Angus Co., Inc., 2	P.O. Box 596, Indianapolis 6	Ind
Evershed & Vignoles Ltd., 2	Chiswick, London W. 4, England	
FXR, INC., 3, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Federal Pacific Electric Co., (Fifty Ave L, Inc.), 2	Fifty Ave L, Newark 1	NJ
Fluke Mfg. Co., Inc., John, 1	P.O. Box 7161, Seattle 33	Wash
GENERAL ELECTRIC CO., APPARATUS SALES DIV., 2, Adv. Pgs. 7-11, 15	**1 River Rd, Schenectady 5**	**NY**
HEWLETT-PACKARD CO., 3, Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Hickok Electrical Instrument Co., 2	10514 Dupont, Cleveland 8	Ohio
Hoffman Co., H.L., 3	35 Old County Rd, Westbury	NY
JONES ELECTRONICS CO., INC., M.C., SUB BENDIX AVIATION CORP., 1-3, Adv Pg 219	**185 N. Main St, Bristol**	**Conn**
Kyoritsu Electrical Instruments Works, Ltd., 1-2	No 120, Nakane-cho, Meguro-ku, Tokyo, Japan	
METRONIX, INC., 1, Adv Pg 416	**75 Wilson Mills Rd, Chesterland**	**Ohio**
National Electronics, 2	P.O. Box 1237, Sheridan	Wyo
New England Scientific Instruments Co., 2	238 Main St, Cambridge 42	Mass
PHYSICS RESEARCH LABS., INC., 2, Adv Pg 529	**P.O. Box 555, Hempstead**	**NY**
Radar Measurements Corp., 1-3	190 Duffy Ave, Hicksville	NY
RAWSON ELECTRICAL INSTRUMENT CO., 2, Adv Pg 424	**111 Potter St, Cambridge 42**	**Mass**
Sangamo Electric Co., 2	1201 N. 11 St, Springfield	Ill
SENSITIVE RESEARCH INSTRUMENT CORP., 2, Adv Pg 365	**310 Main St, New Rochelle**	**NY**
SIERRA ELECTRONIC CORP., 3, Adv. Pgs. 318, 319	**3885 Bohannon Dr, Menlo Park**	**Cal**
Simpson Electric Co., Div., American Gage & Machine Co., 2	5218 W. Kinzie St, Chicago 44	Ill
Solartron, Inc., 1	1742 S. Zeyn St, Anaheim	Cal
Tenlo Research Corp., 1	9424 Lyndale Ave S., Minneapolis 20	Minn
Thermovolt Instruments, Ltd., 2	70 Advance Rd, Toronto 18, Ontario, Canada	
Triplett Elec Instrument Co., 2	Harmon Rd, Bluffton	Ohio
VARIAN ASSOCIATES, 3, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Voltron Products, 2	1020 S. Arroyo Pkwy, Pasadena	Cal
Wac Line, Inc., 2-3	35 S. St. Clair St, Dayton 2	Ohio
WEINSCHEL ENGINEERING CO., Inc., 3, Adv. Pgs. 51-54	**10503 Metropolitan Ave, Kensington**	**Md**
WESTINGHOUSE ELECTRIC CORP., 2, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**

WAVE ANALYZERS See **ANALYZERS** *–WAVE*

WAVEFORM GENERATORS See GENERATORS —*SIGNAL*
WAVEGUIDE ATTENUATORS —*COAXIAL* See ATTENUATORS —*MICROWAVE*
WAVEGUIDE BENDS See BENDS —*WAVEGUIDE*
WAVEGUIDE BULKHEADS See FLANGES
WAVEGUIDE CHOKES See CHOKES —*WAVEGUIDE*
WAVEGUIDE CLAMPS See CLAMPS —*WAVEGUIDE FLANGE*

WAVEGUIDE DISSIPATIVE STRIPS

Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Bogart Mfg. Corp	315 Seigel St, Brooklyn 6	NY
Cardwell Condenser Corp.	80 E. Montauk Hwy, Lindenhurst	NY
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Metavac, Inc.	45-68 162 St, Flushing 58	NY
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
U.S. Rubber Co	1230 Ave of the Americas, New York 20	NY

WAVEGUIDE FILTERS See FILTERS
WAVEGUIDE FLANGES See FLANGES
WAVEGUIDE HORNS See HORNS —*WAVEGUIDE*

WAVEGUIDES —*COMPLETE WITH FLANGES*
COILED OR SPIRALED See DELAY LINES
1. ELECTROFORMED 2. FABRICATED 3. FLEXIBLE 4. MILLIMETER 5. RIDGED, FLEXIBLE 6. RIDGED, RIGID 7. RIGID 8. RIGID & FLEXIBLE, COMBINATION

Aeroquip Corp., 2-5-6-7-8	300 S. East St, Jackson	Mich
AINSLIE CORP., 2-7, Adv Pg 545	**531 Pond St, South Braintree 85**	**Mass**
Aircom, Inc., 2-4-7	48 Cummington St, Boston	Mass
Airtec, Inc., 2-3-4-5-6-7-8	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries, 1-2-3-4-5-6-7-8	200 E. Hanover Ave, Morris Plains	NJ
Allied Record Mfg. Co., 1-2-5	6916 Santa Monica Blvd, Hollywood	Cal
Andrew Corp., 5-7	P. O. Box 807, Chicago 42	Ill
ANTENNA SYSTEMS, INC., 2-6-7, Adv Pg 502	**Hingham Industrial Center, Hingham**	**Mass**
Ardwin Microlab, Inc., 1-2-6-7-8	21 Spencer St, Stoneham 80	Mass
ARRA CORP., 2-7, Adv Pg 394	**29 Bond St, Westbury**	**NY**
Artisan Metal Works Co., 2	11410 Madison Ave, Cleveland 2	Ohio
Bart Labs & Design Inc., 1-2-3-4-5-6-7-8	125 Manchester Pl, Newark 4	NJ
Bogart Mfg. Corp., 2-3-5-6-7-8	315 Seigel St, Brooklyn 6	NY
Brach Mfg. Corp., 2-5-6-7-8	200 Central Ave, Newark	NJ
BUDD-STANLEY CO., INC., 2-3-4-6-7-8, Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp., 2-7-8	301 W. Hoffman Ave, Lindenhurst	NY
Cardwell Condenser Corp., 1-2-3-7-8	80 E. Montauk Hwy, Lindenhurst	NY
Carmac Aviation, 5-6-7	8414 San Fernando Rd, Sun Valley	Cal
Caswell Electronics Corp., 2-3-7	414 Queens Ln, San Jose 12	Cal
Central Electronic Mfrs., Div of Nuclear Corp of America, 6	2 Richwood Pl, Denville	NJ
Continental Electronics Mfg. Co., 2-7	4212 S. Buckner Blvd, Dallas 27	Tex
Co-Operative Industries, Inc., 3-8	100 Oakdale Rd, Chester	NJ
Dahlstrom Metallic Door Co., 6-7	Jamestown	NY
Decade Instrument Co., 6-7	P.O. Box 153, Caldwell	NJ
DEMORNAY-BONARDI, 2-7, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp., 2-5-6-7-8	River St, Winchester	Mass
Don-Lan Electronics, Inc., 2-7-8	1101 Olympic, Santa Monica	Cal
DOUGLAS MICROWAVE CO., INC., 1-2-4-5-6-7-8, Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
ELECTRONIC SPECIALTY CO., 1-2-3-5-6-8, Adv Pg 264	**5121 San Fernando Rd, Los Angeles 39**	**Cal**
FXR, INC., 1-2-4-6-7, Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Fairfield Development Labs., Inc., 1	190 Henry St, Stamford	Conn
Gar Precision Parts, Inc., 1-4-6	190 Henry St, Stamford	Conn
General Aniline & Film Corp., Ansco Div., 2-7	Vestal Pkwy E., Binghamton	NY
General Bronze Electronics Corp., Sub of General Bronze Corp., 1-2-3-4-5-6-7-8	Garden City	NY
General Plastics Corp., 3	P.O. Box 1689, Paterson	NJ
Gilfillan Bros., Inc., 7	1815 Venice Blvd, Los Angeles 6	Cal
Gombos Co., Inc., John, 2-7	Webro Rd, Clifton	NJ
Gorham Electronics, Div Gorham Mfg. Co., 2-6-7	333 Adelaide Ave, Providence 7	RI
Graham Mfg. Co., Inc., 7	470 Bridge St, East Greenwich	RI
Henry & Miller Industries, Inc., 2-7	675 Garfield Ave, Jersey City 5	NJ
Hoffman Co., H.L., 5-6	35 Old County Rd, Westbury	NY
I-T-E CIRCUIT BREAKER CO., 2-3-7-8, Adv Pg 449	**601 E. Erie Ave, Philadelphia 34**	**Pa**
Industrial Products-Danbury Knudsen Div., Amphenol-Borg Electronics Corp., 7	33 E. Franklin St, Danbury	Conn
Instrument Systems Corp., 2	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., 1-2-3-5-6-7-8, Adv. Pgs. 118, 119	**Little Falls**	**NJ**
Kennedy & Co., D.S., 2-7	Cohasset	Mass
Kent Corp., F.C., 1-2	135 Manchester Pl, Newark 4	NJ
LIECO, INC., 2-3-4-5-6-7-8, Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
Litton Industries, Maryland Div., 1-2	4900 Calvert Rd, College Park	Md
Meridian Metalcraft, Inc., 2-6-8	8739 S. Millergrove Dr, Whittier	Cal
Metal Fabricators Corp., 2	63 Pond St, Waltham 54	Mass
Microtech, Inc., 2-3-5-6-7-8	Milldale Rd, Cheshire	Conn
Microwave Corp. of America, 3-6-7-8	P.O. Box 278, Stamford	Conn
Miller Industries, 2	1527 Marion, Grand Haven	Mich
Model Engineering & Mfg., Inc., 2-7	Huntington	Ind
N.R.K. Mfg. & Engineering Co., 2-7-8	4601 W. Addison St, Chicago 41	Ill
Narda Microwave Corp., 7	118-160 Herricks Rd, Mineola	NY
Nichols Products Co., 2	323 W. Main St, Moorestown	NJ
Omega Laboratories, Inc., 2-4-7	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., 1-2-3-4-5-6-7-8, Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp., 2-7	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., 1-2-3-4-5-6-7-8, Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp., 2-6	190 Duffy Ave, Hicksville	NY
Radiation, Inc., 7	Melbourne	Fla
Standard Metals Corp., 6-7	Broad & Whiting St, North Attleboro	Mass
Summit Electronics, Inc., 7	7 Industrial Pl, Summit	NJ
TELERAD MFG. CORP., 2-3-7-8, Adv Pg 99	**1440 Broadway, New York 18**	**NY**
Temco Electronics Div., Temco Aircraft Corp., 2-7	P.O. Box 6191, Dallas 22	Tex
TURBO MACHINE CO., 2-5-6-7-8, Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Ultra Electroforming & Mfg. Co., 1	112 Cedar Ave, Pitman 6	NJ
United Aircraft Products Inc., 2	1116 Bolander Ave, Dayton 1	Ohio
Victor R.F. & Microwave Co., 2-6-7	36 W. Water St, Wakefield	Mass
Waltham Horological Corp., 7	396 Lynnway, Lynn	Mass
Washington Aluminum Co., Inc., 2-6-7	Pa R R & Knecht Ave, Baltimore 29	Md
Waveguide, Inc., 2-7	1769 Placentia Ave, Costa Mesa	Cal
Waveline, Inc., 1-2-4-6-7-8	P.O. Box 718, Caldwell	NJ

WAVEGUIDE STANDS See STANDS
WAVEGUIDE SWITCHES See SWITCHES —*MICROWAVE*

WAVEGUIDE TUBING

Aeroquip Corp	300 S. East St, Jackson	Mich
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
ARRA CORP., Adv Pg 394	**29 Bond St, Westbury**	**NY**
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
C W S Waveguide Corp	301 W. Hoffman Ave, Lindenhurst	NY
Cardwell Condenser Corp.	80 E. Montauk Hwy, Lindenhurst	NY
Chase Brass & Copper Co., Inc	236 Grand St, Waterbury 20	Conn
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
Gilfillan Bros., Inc	1815 Venice Blvd, Los Angeles 6	Cal
Henry & Miller Industries, Inc	675 Garfield Ave, Jersey City 5	NJ
Horton-Angell Co	27 Bicknell St, Attleboro	Mass
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs. 118, 119	**Little Falls**	**NJ**
LEACH & GARNER CO., INDUSTRIAL DIV., Adv Pg 531	**Attleboro**	**Mass**
LIECO, INC., Adv Pg 374	**150 Eileen Way, Syosset**	**NY**
MARBET, INC., Adv Pg 264	**1717 Pennsylvania Ave, Linden**	**NJ**
Meridian Metalcraft, Inc	8739 S. Millergrove Dr, Whittier	Cal
Microtech, Inc	Milldale Rd, Cheshire	Conn
Microwave Associates, Inc	Burlington	Mass
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Measurements Corp	190 Duffy Ave, Hicksville	NY
Standard Metals Corp	Broad & Whiting St, North Attleboro	Mass
TELERAD MFG. CORP., Adv Pg 99	**1440 Broadway, New York 18**	**NY**
TURBO MACHINE CO., Adv Pg 480	**840 W. Main St, Lansdale**	**Pa**
Waveline, Inc	P.O. Box 718, Caldwell	NJ

WAVEGUIDE TWISTS See TWISTS —*WAVEGUIDE*

WAVEMETERS —*MICROWAVE*

Aircom, Inc.	48 Cummington St, Boston	Mass
Airtec, Inc	139 E. First Ave, Roselle	NJ
Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
Avionics Ltd	Box 200, Niagara-on-the-Lake, Ontario	
Bart Labs & Design Inc	125 Manchester Pl, Newark 4	NJ
BUDD-STANLEY CO., INC., Adv Pg 409	**43-01 22 St, Long Island City 1**	**NY**
Decade Instrument Co.	P.O. Box 153, Caldwell	NJ
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
Diamond Antenna & Microwave Corp	River St, Winchester	Mass
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
ELECTRO IMPULSE LABS., INC., Adv Pg 335	**208 River St, Red Bank**	**NJ**
FXR, INC., Adv. Pgs. 273-276	**26-12 Borough Pl, Woodside 77**	**NY**
Frequency Standards, Div., Harvard Industries, Inc	P.O. Box 504, Asbury Park	NJ
General Bronze Electronics Corp., Sub of General Bronze Corp	Garden City	NY
General Measurements Co., Inc	1108 Beacon St, Newton Highlands 61	Mass
Gombos Co., Inc., John	Webro Rd, Clifton	NJ
Gorham Electronics, Div of Gorham Mfg. Co.	333 Adelaide Ave, Providence 7	RI
HEWLETT-PACKARD CO., Adv. Pgs. 19-34	**1501 Page Mill Rd, Palo Alto**	**Cal**
Instrument Systems Corp	129-07 18th Ave, College Point 56	NY
KEARFOTT DIV., GEN PRECISION, INC., Adv. Pgs.118, 119	**Little Falls**	**NJ**
MICO INSTRUMENT CO., Adv Pg 528	**77 Trowbridge St, Cambridge 38**	**Mass**
Microwave Corp. of America	P.O. Box 278, Stamford	Conn
Narda Microwave Corp	118-160 Herricks Rd, Mineola	NY
Omega Laboratories, Inc	P.O. Box 308, Rowley	Mass
PORTCHESTER INSTRUMENT CORP., Adv Pg 496	**114 Wilkins Ave, Port Chester**	**NY**
Precision Microwave Corp	Main St, Millis	Mass
PREMIER INSTRUMENT CORP., Adv Pg 484	**33 New Broad St, Port Chester**	**NY**
Radar Design Corp	Pickard Dr, Syracuse 11	NY
Sage Laboratories, Inc	3 Huron Dr, Natick	Mass
Specialty Electronics Development Corp.	Eileen Way, Syosset	NY
SPERRY MICROWAVE ELECTRONICS CO., Adv. Pgs. 144, 145	**P.O. Box 1828, Clearwater**	**Fla**
VARIAN ASSOCIATES, Adv. Pgs. 278, 279	**611 Hansen Way, Palo Alto**	**Cal**
Victor R.F. & Microwave Co	36 W. Water St, Wakefield	Mass
Waveline, Inc	P.O. Box 718, Caldwell	NJ

WAVE TRAPS See TRAPS —*WAVE*

WAXES

Biwax Corp.	3445 Howard St, Skokie	Ill
D & R Plastic Welders, Inc., 1	Hazardville	Conn
Esso Standard, Div of Humble Oil & Refining Co	15 W. 51 St, New York 19	NY
Hi-Test Chemical Corp	722 64th St, Brooklyn 20	NY
International Wax Refining Co	99 E. Hawthorne Ave, Valley Stream	NY
Minnesota Minning & Mfg. Co., Chemical Div	900 Bush Ave, St. Paul 6	Minn
Mitchell Rand Mfg. Corp.	51 Murray St, New York 7	NY
Stevenson Brothers & Co	110 Race St, Philadelphia 6	Pa
Zophar Mills, Inc.	115 26th St, Brooklyn 32	NY

WEIGHING —*ELECTRONIC* See INDICATORS —*WEIGHT*
WEIGHING EQUIPMENT See CONTROLS —*WEIGHT*
WEIGHT CONTROLS See CONTROLS —*WEIGHT*
WEIGHT INDICATORS See INDICATORS —*WEIGHT*
WEIGHT RECORDERS See RECORDERS —*WEIGHT*

WELDERS

1. SPOT 2. SPOT, ALUMINUM 3. SPOT, FINE-WIRE

AEG, 1	Hochhaus Sued, Frankfurt/Main, Germany	
Allen Electric & Equipment Co., 1	2101 N. Pitcher St, Kalamazoo	Mich
Birdsell Mfg. Co., Inc., 1	752 San Antonio Rd, Palo Alto	Cal
Eisler Engineering Co., 1-2-3	751 S. 13 St, Newark 3	NJ
Erdco Engineering Corp., 3	Addison	Ill
EWALD INSTRUMENTS, 1-2-3, Adv Pg 548	**Rt 7E, Kent**	**Conn**
Federal Electronic Products, Inc., 1-2-3	1380 Pompton Ave, Cedar Grove	NJ
FEDERAL TOOL ENGINEERING, INC., 1-3, Adv Pg 563	**1386 Pompton Ave, Cedar Grove**	**NJ**
Gerst & Co., Paul E., 2-3	4868 N. Clark, Chicago 40	Ill
High Vacuum Equipment Corp., Sub, Robinson Technical Products, Inc.	2 Churchill Rd, Hingham 1	Mass
HUGHES VACUUM TUBE PRODUCTS DIV., 1-2-3, Adv Pg 149	**Oceanside**	**Cal**
KAHLE ENGINEERING CO., 1-2-3, Adv Pg 64	**3322 Hudson St, Union City**	**NJ**
Linde Co., Div., UCC, 1	270 Park Ave, New York 17	NY
Litton Engineering Labs., 1	P.O. Box 949, Grass Valley	Cal
NRC Equipment Corp., 1	160 Charlemont St, Newton 61	Mass
Peer, Inc., 1-2	Benton Harbor	Mich
Pioneer Industries Div., Almar-York Co., Inc., 1-3	3455 W. Vickery, Fort Worth 7	Tex
Raytheon Co. Commercial Appar. & Systems Div., 1-3	100 River St, Waltham	Mass
Research, Inc., 1-3	P.O. Box 6164, Edina Br, Minnpls 24	Minn
Sciaky Bros., Inc., 1-2-3	4915 W. 67th St, Chicago 38	Ill
Scientific Electric, Inc., 1-3	105-119 Monroe St, Garfield	NJ
Sheffield Corp., Sub., Bendix Avia. Corp., 3	P.O. Box 893, Dayton 1	Ohio
Taylor-Winfield Corp., 1-2-3	1056 Mahoning, N.W., Warren	Ohio
Thermovolt Instruments, Ltd., 1-3	70 Advance Rd, Toronto 18, Ontario, Canada	
Trindl Products Ltd	1807 S. Clark St, Chicago	Ill
Vickers, Inc., Electric Products Div., 1-2-3	1899 Locust St, St. Louis 3	Mo
Weldmatic Div., Unitek Corp., 1	950 Royal Oaks Dr, Monrovia	Cal

WELDERS *–ULTRASONIC* See **ULTRASONIC EQUIPMENT**
WELDING CONTROLS See **CONTROLS** *–WELDING*
WELDING MACHINES *–COMPONENT CASE* See **MACHINES** *–WELDING*
WELDING TIMERS See **TIMERS** *–WELDING*

WELL-LOGGING EQUIPMENT

Electronic Development Corp	423 W. Broadway, Boston 27	Mass
Southwestern Ind. Electronics Co	10201 Westheimer Rd, Houston 19	Tex

WHEATSTONE BRIDGES See **BRIDGES**
WHEELS *–BONDED* See **ABRASIVES**

WHEELS *–DIAMOND*

1. DICING OR PELLETIZING 2. WAFERING OR SLICING

Bay State Abrasive Products Co., 1	12 Union St, Westboro	Mass
GABRIEL ELECTRONICS DIV., GABRIEL CO., THE, Adv Pg 350	**Main & Pleasant Sts, Millis**	**Mass**
Navan Products, Inc., Sub., North American Aviation, Inc	900 N. Sepulveda, El Segundo	Cal
Norton Co., 1-2	1 New Bond St, Worcester 6	Mass
Raybestos-Manhattan, Inc	61 Willett St, Passaic	NJ

WHIP ANTENNAS See **ANTENNAS** *–MOBILE*
WHITEPRINT MACHINES See **MACHINES** *–COPYING*
WIDE-BAND AMPLIFIERS See **AMPLIFIERS – R-F**
WIND & DUST CHAMBERS See **CHAMBERS** *–ENVIRONMENTAL TEST*
WIND-DRIVEN GENERATORS See **GENERATORS** *–POWER*
WIND INDICATORS See **INDICATORS** *–WIND*
WINDINGS *–TRANSFORMER* See **COILS** *–WINDINGS ONLY*

WINDOWS *–DIAL*

Apahouser Crop	1312 Boylston St, Boston	Mass
Millen Mfg. Co., James	150 Exchange St, Malden	Mass
Oki & Willadsen, Ltd	47 Crockford Blvd, Toronto 16, Ontario, Canada	
Zenith Optical Laboratory	1940 Great Neck Rd, Copiague	NY

WINDOWS *–INFRARED* See **INFRARED DEVICES**

WINDOWS *–PRESSURIZING*

Airtron, Div of Litton Industries	200 E. Hanover Ave, Morris Plains	NJ
BOMAC LABORATORIES, INC., Adv Pg 263	**Salem Rd, Beverly**	**Mass**
Caswell Electronics Corp	414 Queens Ln, San Jose 12	Cal
DEMORNAY-BONARDI, Adv. Pgs. 380, 381	**780 S. Arroyo Pkwy, Pasadena**	**Cal**
DOUGLAS MICROWAVE CO., INC., Adv. Pgs. 420, 421	**252 E. Third St, Mt. Vernon**	**NY**
Microtech, Inc	Milldale Rd, Cheshire	Conn

WIRE *–ANNUNCIATOR* See **WIRE** *–HOOKUP, COTTON: HOOKUP, PLASTIC*

WIRE *–ANTENNA*

Copperweld Steel Co., Wire & Cable Div	Glassport	Pa
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Rhode Island Insulated Wire Co	50 Burnham Ave, Cranston	RI
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Wind Turbine Co	E. Market St & Penna R.R., W. Chester	Pa

WIRE *–BARE*

1. ALUMINUM 2. BERYLLIUM COPPER 3. COLUMBIUM 4. COPPER 5. COPPER, GOLD-PLATED 6. COPPER, NICKEL-CLAD 7. COPPER, SILVER-PLATED 8. COPPER, TINNED 9. FINE WIRE SPECIALTIES (Incl. GRID WIRE) 10. GLASS-SEALING 11. GOLD 12. MOLYBDENUM 13. MONEL 14. PHOSPHOR BRONZE 15. PLATINUM 16. SILVER 17. STEEL (Incl. GUY WIRE) 18. STEEL, COPPER-CLAD 19. STEEL, STAINLESS 20. TANTALUM 21. TITANIUM 22. TUNGSTEN 23. ZIRCONIUM

Accurate Specialties Co., Inc., 1-5-6-7-8-11	37-11 57 St, Woodside 77	NY
All-State Welding Alloys Co., Inc., 1	249 Ferris Ave, White Plains	NY
Allegheny Ludlum Steel Corp., 10-19	2020 Oliver Bldg, Pittsburgh 22	Pa
Alloys Unlimited, Inc., 1-5-7-9-11-12-15-16	21-03 43rd Ave, Long Island City 1	NY
ALPHA WIRE CORP., 7-8, Adv Pg 266	**200 Varick St, New York 14**	**NY**
Aluminum Co of America, 1	Alcoa Bldg, Pittsburgh 19	Pa
American Brazing Alloys Corp., 1-4-14-16	P.O. Box 11 Pelham	NY
American Leonic Mfg. Co., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23	3001 Walnut St, Philadelphia 4	Pa
American Steel & Wire Div., USS, 1-4-8	Rockefeller Bldg, Cleveland 13	Ohio
Anaconda American Brass Co., 4-8-9-14	414 Meadow St, Waterbury 20	Conn
Anaconda Wire & Cable Co., 1-4-8-18	25 Broadway, New York 4	NY
Anchor Metal Co., The, 1-4-5-6-7-11-12-15-16	966 Meeker Ave, Brooklyn 22	NY
Armco Steel Corp., 19	703 Curtis St, Middletown	Ohio
ART WIRE & STAMPING CO., 9-10, Adv Pg 74	**227 High St, Newark 2**	**NJ**
Associated Engineering & Mfg. Corp., 12-20-22	Glen Ridge	NJ
BELDEN MFG. CO., 8, Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., 4-8-9-14-17, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bishop & Co., J., Platinum Works, 6-10-11-13-15	Malvern	Pa
Brainin Corp., C.S., 11-15-16	320 Washington St, Mt. Vernon	NY
Bram Metallurgical Chemical Co., 1-2-3-4-5-6-7-8-11-12-13-14-15-16-19-20-21-22-23	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co., 2-4-8-10-14	30 Grand St, Bridgeport	Conn
Brookfield Wire Co., Inc., 1-2-9-13-14-17-18-19-21	Brookfield	Mass
Cannon-Muskegon Corp., 17	2875 Lincoln St, Muskegon	Mich
Carborundum Co., 23	Dept. A.B., Niagara Falls	NY
Carpenter Steel Co., 9-19	6th & Washington, Reading	Pa
Carpenter Steel Co., Webb Wire Div., 10-19	New Brunswick	NJ
Channel Master Co., 17	Ellenville	NY
Chase Brass & Copper Co., Inc., 1-4-14-19	236 Grand St, Waterbury 20	Conn
CHESTER CABLE CORP., 4-8, Adv Pg 265	**Hill St, Chester**	**NY**
COHN CORP., SIGMUND, 5-9-11-14-15-16, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
COLEMAN WIRE & CABLE CO., 1-4-6-7-8, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1-4-8-18	2850 Irving Park Rd, Chicago	Ill
Composite Industrial Metals, Inc., 5-6-7-9-11-15-16	235 Georgia Ave, Providence 5	RI
CONSOLIDATED REACTIVE METALS, INC., 1-2-4-5-6-7-9-10-11-13-14-15-16-19-21-23, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Consolidated Wire & Associated Cos., 1-2-5-7-8-9-14-18	1635 S. Clinton St, Chicago 16	Ill
Cooper & Sons, Inc., Joseph B., 9-11-15-16	180 Varick St, New York 14	NY
Copperweld Steel Co., Wire & Cable Div., 4-18	Glassport	Pa
Crown Metal Products, 18	Box 38, Wyano	Pa
CRUCIBLE STEEL CO OF AMERICA, 13-18-19-21, Adv Pg 339	**P.O.Box 2518, Pittsburgh 30**	**Pa**
DKE ELECTRONIC BASES CORP., 4-6, Adv Pg 512	**27 Wright St, Newark**	**NJ**
Dalweld Co., Inc., 1-4-14-16-19	11 Bertel Ave, Mt. Vernon	NY
DRIVER CO., WILBUR B., 2-9-10-13-19-21, Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co., 9-10-13-19	202 Middlesex St, Harrison 13	NJ
Eastern Smelting & Refining Corp., 11-15-16	107-109 W. Brookline St, Boston 18	Mass
Eaton Mfg. Co., Reliance Div., 1-4-13-14-17-19	25 Charles Ave S.E., Massillon	Ohio
Eisler Engineering Co., 12-22	751 S. 13 St, Newark 3	NJ
Electric Autolite Co., Wire & Cable Div., 1-2-4-6-7-8-9-13-17-18-19	Toledo 1	Ohio
Electronic Parts Mfg. Co., Inc., 4-6-9-10-12-22	508-10 25th St, Union City	NJ
Elmet Div., North American Philips Co., 9-12-16-22	Lisbon Rd, Lewiston	Me
Engelhard Industries, Inc., 9-11-15-22	113 Astor St, Newark 2	NJ
Erskine Precision Wire Corp., 6-7-9-10-13-18-19	2208 Main St, Owensboro	Ky
Essex Wire Corp., Magnet Wire Div., 4	1601 Wall St, Fort Wayne	Ind
Essex Wire Corp., Wire & Cable Div., 1-4	2610 S. Adams, Marion	Ind
Fansteel Metallurgical Corp., 3-9-12-20-22	2200 Sheridan, N. Chicago	Ill
Fort Wayne Metals, Inc., 13-19	3211 McArthur Dr, Fort Wayne 6	Ind
General Electric Co., Lamp Metals & Components Dept., 9-10-12-22	21800 Tungsten Rd, Cleveland 17	Ohio
General Insulated Wire Works, Inc., 4	69 Gordon Ave, Providence 5	RI
General Photo Products Co., Inc., 22	15 Summit Ave, Chatham	NJ
Goldsmith Bros Div., National Lead Co., 11-15-16	900 W. 18th St, Chicago 8	Ill
Greenfield Components Corp., 10	184 Shelburne St, Greenfield 16	Mass
HACKENSACK CABLE CORP., 13-14-19, Adv Pg 446	**116 Orchard St, Hackensack**	**NJ**
HANDY & HARMAN, 11-15-16, Adv Pg 297	**82 Fulton St, New York 38**	**NY**
Haynes Stellite Co., Div., UCC, 20	1020-W. Park Ave, Kokomo	Ind
Horton-Angell Co., 2-4-5-6-7-9-11-16	27 Bicknell St, Attleboro	Mass
HOSKINS MFG. CO., 3-9-20-21, Adv Pg 299	**4445 Lawton Ave, Detroit 8**	**Mich**
Hudson Wire Co., 1-4-5-6-7-8-9-12-13-14-16-17-18-19	62 Water St, Ossining	NY
I.E. Manufacturing, 1	325 N. Hoyne Ave, Chicago 12	Ill
Improved Seamless Wire Co., 11-16	775 Eddy St, Providence 5	RI
Indiana Steel & Wire Co., Inc., 9-17-19	700 Council St, Muncie	Ind
Instrument Specialties Co., Inc., 2	254 Bergen Blvd, Little Falls	NJ
International Nickel Co., Inc., 13	67 Wall St, New York 5	NY
J.F.D. ELECTRONICS CORP., 1-17, Adv. Pgs. 414, 415	**6101-16th Ave, Brooklyn 4**	**NY**
Jelliff Mfg. Corp., C.O., 9-13	200 Pequot Ave, Southport	Conn
Johnson Matthey & Mallory Ltd., 11-15-16	110 Industry St, Toronto, Ontario, Canada	
Kanthal Corp., 9	Amelia Pl, Stamford	Conn
Kennametal Inc., 20	Lloyd Ave, Latrobe	Pa
Kulite Tungsten Corp., 12-22	1040 Hoyt Ave, Ridgefield	NJ
Lance Antenna Corp., 17	1730-1802 First St, San Fernando	Cal
LEACH & GARNER CO., INDUSTRIAL DIV., 4-5-6-7-11-14-16, Adv Pg 531	**Attleboro**	**Mass**
Lewis & Kaufman Electronics Corp., 9	P.O. Box 337, Los Gatos	Cal
Lindsay Antenna & Specialty Prods., Ltd., 17	50 Mary St, Lindsay, Ontario, Canada	
Little Falls Alloys, Inc., 1-2-4-7-8-14-21	190 Caldwell Ave, Paterson 1	NJ
A.D. Mackay, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 12-22	152-25 138 Ave, Jamaica 34	NY
MILHAUPT ENGINEERING CO., LUCAS, 4-16, Adv Pg 495	**5075 S. Lake Dr, Cudahy**	**Wisc**
Miller Form Tool Co., Inc., 22	485 Robert Ave, Santa Clara	Cal
Molecu-Wire Corp., 1-4-9-11-16	Eatontown-Freehold Rd, Scobeyville	NJ
Montgomery Co., 4-7-9-14-19	20 Canal Bank, Winsor Locks	Conn
Murex, Ltd., 3-12-20-22	Rainham, Essex, England	
National Lead Co., 21	111 Broadway, New York 6	NY
National Research Corp., Metals Div., 20	70 Memorial Dr, Cambridge 42	Mass
National-Standard Co., 6-9-17-18-19	Niles	Mich
NESOR ALLOY PRODUCTS CO., 1-2-4-5-6-7-8-9-11-12-13-14-15-16-18-19, Adv Pg 518	**666 Passaic Ave, West Caldwell**	**NJ**
New England Electrical Works, Inc., 4-7-8-9	365 Main St, Lisbon	NH
NEY CO., J.M., 9-11-15-16, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
Nonotuck Mfg. Co., 4-8	1010 Water St, Holyoke	Mass
Parker Metal Goods Co., 17	85 Prescott St, Worcester	Mass
Paul & Stein Bros., Inc., F.H., 1-3-20-23	235 Fifth Ave, New York 16	NY

PHELPS DODGE COPPER PRODUCTS CORP., 4-8-9, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Pix Mfg. Co., Inc., 9	75 Hudson St, Newark	NJ
Plastic Wire & Cable Corp., 4	Jewett City	Conn
Quality Products Co., 10	387 Charles St, Providence 4	RI
Rea Magnet Wire Co., Inc., 1-4-9	3610 E. Pontiac St, Fort Wayne	Ind
REMBAR CO., INC., THE, 3-12-20-22, Adv Pg 557	**67 Main St, Dobbs Ferry**	**NY**
Republic Steel Corp., 17-18-19-21	Republic Bldg, Cleveland 1	Ohio
Reynolds Metals Co., 1	P.O. Box 2346 ZE, Richmond 18	Va
Rhode Island Insulated Wire Co., 4	50 Burnham Ave, Cranston	RI
Riverside-Alloy Metal Div., H.K. Porter., Inc., 2-6-9-13-14-17-19	1 Pavilion Ave, Riverside	NJ
ROHN MFG. CO., 17, Adv Pg 518	**116 Limestone, Peoria**	**Ill**
Rome Cable Div of Alcoa, 1-4-8	Ridge St, Rome	NY
Runzel Cord & Wire Co., 4-8	4723 W. Montrose Ave, Chicago 41	Ill
Ryerson & Son, Inc., J.T., 1-17-19	2558 W. 16th St, Chicago 8	Ill
Saxton Products, Inc., 1-4-8-14-17	4320 Park Ave, Bronx 57	NY
SECON METALS CORP., 1-2-5-9-11-14-15-16-21, Adv Pg 529	**7 Intervale St, White Plains**	**NY**
Semi-Alloys, Inc., 1-2-3-4-5-6-7-8-9-10-11-12-14-15-16-17-18-19-20-21-22-23	550 S. Fulton Ave, Mt. Vernon	NY
Seymour Mfg. Co., The, 14	15 Franklin St, Seymour	Conn
South River Metal Products Co., Inc., 1	377 Turnpike, South River	NJ
Southwire Co., 1-4-17-18	4 Fertilla St, Carrollton	Ga
Standard Metals Corp., 4-5-6-7-11-15-16-18	Broad & Whiting St, North Attleboro	Mass
Steel Heddle Mfg. Co., 4-8-19	2100 W. Allegheny Ave, Philadelphia 32	Pa
Sylvania Electric Prods., Inc., Chem & Metallurgical Div., 12-22	Towanda	Pa
Sylvania Electric Products Inc., Parts Div., 1-2-5-6-7-8-9-10-13-14-18-19	12 Second Ave, Warren	Pa
Techalloy Co., Inc., 6-9-13-19-21	Rahns	Pa
Tevco Insulated Wire, 4-8	108 E. Prospect Ave, Burbank	Cal
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., 3-5-6-7-9-10-11-15-16-18-19-20-23, Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Thermionic Products Co., 9-10-12-22	Interhaven Ave, Plainfield	NJ
Thermo Nuclear Wire Industries, 1-2-4-6-7-8-13-14-18-19	137 Grand St, New York	NY
Tri-ex Tower Corp., 17-19	127 E. Inyo, Tulare	Cal
Union Carbide Metals Co., Div., UCC, 3	270 Park Ave, New York 17	NY
Unique Wire Weaving Co., Inc., 1-4-9-11-12-13-14-15-16-17-19-20-21-22-23	759 Ramsey Ave, Hillside	NJ
United Mineral & Chemical Corp., 11-12-22	16 Hudson St, New York 13	NY
U.S. Steel Corp., 6-9-17-18-19	525 Wm Penn Pl, Pittsburgh 30	Pa
United Wire & Supply Corp., 1-4	1497 Elmwood Ave, Providence 7	RI
Viking Wire Co., Inc., 4	100 Shelter Rock Rd, Danbury	Conn
Wah Chang Corp., 3-12-20-22-23	233 Broadway, New York 7	NY
Warren Wire Co., 4-7-8	Pownal	Vt
Western Gold & Platinum Co., Sub., Wilbur B. Driver Co., 11-15-16	525 Harbor Blvd, Belmont	Cal
WESTINGHOUSE ELECTRIC CORP., 9-12-22, Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
Westinghouse Electric Corp., Lamp Div., 10-12-22	Bloomfield	NJ
Wildberg Bros Smelting & Refining Co., 11-15-16	742 Market St, San Francisco 2	Cal
Williams Gold Refining Co., Inc., 11-15-16	2978 Main St, Buffalo 14	NY
Wright Steel & Wire Co., G.F., 17	245 Stafford St, Worcester	Mass

WIRE —*CABLED* See CABLE ASSEMBLIES: CABLE: HARNESSES
WIRE CLOTH See FABRICS —*WOVEN WIRE*

WIRE —*CUT & STRIPPED*

Airdesign Corp.	P.O. Box 987, Norristown	Pa
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
ALPHA WIRE CORP., Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Leonic Mfg. Co	3001 Walnut St, Philadelphia 4	Pa
Apex Wire & Cable Corp	237 37 St, Brooklyn 32	NY
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bliss Electronic Corp	P.O. Box 366, Sussex	NJ
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Consolidated Productions, Inc	3991 S.W. 12 Terr, Fort Lauderdale	Fla
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
Electronic Cable Corp	126 Jackson St, Cambridge 40	Mass
Empire Electronics Co., Inc	60 Spruce St, Paterson 1	NJ
Gavitt Wire & Cable Co	Central St, Brookfield	Mass
General Insulated Wire Inc	69 Gordon Ave, Providence 5	RI
Jefferson Electronic Products	322 State St, Santa Barbara	Cal
Lab-Tronics, Inc	3656 N. Lincoln, Chicago 13	Ill
Mercury Engineering Corp	337 E. Cottage Pl, York	Pa
Mohawk Wire & Cable Corp	320 River St, Fitchburg	Mass
MESOR ALLOY PRODUCTS CO., Adv Pg 518	**666 Passaic Ave, West Caldwell**	**NJ**
Pacific Electricord Co	3217 Exposition Pl, Los Angeles 18	Cal
Phalo Plastics Corp	530 Boston Tmpk, Shrewsbury	Mass
Philadelphia Insulated Wire Co	333 New Albany Rd, Moorestown	NJ
Pix Mfg. Co., Inc.	75 Hudson St, Newark	NJ
Radix Wire Co	26260 Lakeland Blvd, Cleveland 32	Ohio
Rego Insulated Wire Co	830 Monroe St, Hoboken	NJ
Royal Electric Corp	95 Grand Ave, Pawtucket	RI
Runzel Cord & Wire Co.	4723 W. Montrose Ave, Chicago 41	Ill
Sag Harbor Industries, Inc	Bay Dr, Sag Harbor	NY
SATURN ELECTRONICS CORP., Adv Pg 504	**10665 Harry Hines Blvd, Box 13305, Dallas 20**	**Tex**
Saxton Products, Inc	4320 Park Ave, Bronx 57	NY
Semi-Alloys, Inc.	550 S. Fulton Ave, Mt. Vernon	NY
Sheltered Workshops	2521 Fifth St, Santa Monica	Cal
Sittler Corp	18 N. Ada St, Chicago 7	Ill
SURPRENANT MFG. CO., Adv Pg 161	**Clinton**	**Mass**
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
THERMAX WIRE CORP., Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Thermo Nuclear Wire Industries	137 Grand St, New York	NY
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY
Virginia Electronics Co., Inc	5209 River Rd, Washington 16	DC
Warren Components Div., El-Tronics	S. Irvine St, Warren	Pa
Wire Stripper Co.	1722 Eastham Ave, East Cleveland 12	Ohio

WIRE-CUTTING MACHINES See MACHINES —*WIRE-PROCESSING*
WIRED PAGING SYSTEMS See PAGING SYSTEMS
WIRE —*FINE WIRE SPECIALTIES* See TUBE PARTS: WIRE —*RESISTANCE*: WIRE —*BARE*

WIRE —*FUSE* See WIRE —*RESISTANCE*
WIRE —*GLASS-SEALING* See WIRE —*BARE, GLASS-SEALING*
WIRE —*GUY* See WIRE —*BARE, STEEL*
WIRE HARNESSES See HARNESSES —*WIRE*: CABLE ASSEMBLIES

WIRE —*HIGH-TEMPERATURE*
1. ALUMINUM-OXIDE INSULATED 2. ASBESTOS-INSULATED 3. CERAMIC-INSULATED 4. GLASS-INSULATED 5. MICA-INSULATED 6. SILICONE-INSULATED

Aero Research Instrument Co., 1-3	315 N. Aberdeen St, Chicago 7	Ill
American Steel & Wire Div., USS, 2-6	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., 4-5-6, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Anaconda Wire & Cable Co., 2-4-6	25 Broadway, New York 4	NY
Bache & Co., Semon, 4	636 Greenwich St, New York 14	NY
Baldwin-Lima Hamilton Corp., 3-4	42 Fourth Ave, Waltham 54	Mass
BELDEN MFG. CO., 6, Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., 2-4-6, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 3-4-5-6	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 4-6	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc., 4	66 Rushmore St, Westbury	NY
Carol Cable Div., Crescent Co., Inc., 2	20 Central Ave, Pawtucket	RI
Ceramco Inc., Chemists, 3	173 Ridge St, Newark 4	NJ
COHN CORP., SIGMUND, 1, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
COLEMAN WIRE & CABLE CO., 2-4-6, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 2-4-6	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 2-4-5-6	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 2-4-5-6	P.O. Box 366, Wallingford	Conn
Dielectric Materials Co., 4-6	5315-17 N. Ravenswood, Chicago	Ill
DRIVER CO., WILBUR B., 2-4-6, Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co., 4-6	202 Middlesex St, Harrison 13	NJ
Du-Co Ceramics Co., 3	1050 Main St, Saxonburg	Pa
The Electric Autolite Co., 6	Champlain St, Toledo 1	Ohio
Electric Autolite Co., Wire & Cable Div., 2-3-4-5	Toledo 1	Ohio
Electronic Computer Co., Inc., 1-3	618 Maple St, Conshohocken	Pa
Essex Wire Corp., Magnet Wire Div., 4	1601 Wall St, Fort Wayne	Ind
Essex Wire Corp., Wire & Cable Div., 2	2610 S. Adams, Marion	Ind
Fairbanks Wire Co., Inc., 4	2289 Hollers Ave, New York 69	NY
General Cable Corp., 2-4-6	730 Third Ave, New York 17	NY
General Electric Co., Lamp Metals & Components Dept., 3	21800 Tungsten Rd, Cleveland 17	Ohio
GENERAL ELECTRIC CO., WIRE & CABLE, 2-4-6, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
General Insulated Wire Works, Inc., 2	69 Gordon Ave, Providence 5	RI
Haveg Industries, Inc., 3	900 Greenbank Rd, Wilmington 8	Del
HITEMP WIRES, INC., 3, Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Holyoke Wire & Cable Corp., 4-6	720 Main St, Holyoke	Mass
Kanthal Corp., 1-2-3-4-5-6	Amelia Pl, Stamford	Conn
LEWIS ENGINEERING CO., 1-2-4-6, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
MARKEL & SONS, L. FRANK, 6, Adv Pg 565	**School House Ln, Norristown**	**Pa**
Minn-Honeywell, Industrial Div., 1-2-3-4	Wayne & Windrim, Philadelphia 44	Pa
Molecu-Wire Corp., 6	Eatontown-Freehold Rd, Scobeyville	NJ
Okonite Co., The, 2-4-6	Canal St, Passaic	NJ
Packard Electric Div., General Motors Corp., 6	312 Dana Ave, Warren	Ohio
Permaluster, Inc., 1	2014 W. Burbank, Burbank	Cal
Philadelphia Insulated Wire Co., 2-4	333 New Albany Rd, Moorestown	NJ
Plastoid Corp., 2-4-6	42-61 24 St, Long Island City 1	NY
Porter Co., Inc. H.K., National Electric Div., 2-4-6	Porter Bldg, Pittsburgh 19	Pa
Pyro-Electric, Inc., 1-3	552 Lincoln Ave, Winnetka	Ill
Pyrometer Co of America, Inc., 1-2-3-4-6	600 E. Lincoln Hwy, Penndel	Pa
Radix Wire Co., 2-4-6	26260 Lakeland Blvd, Cleveland 32	Ohio
Rea Magnet Wire Co., Inc., 1	3610 E. Pontiac St, Fort Wayne	Ind
Revere Corp of America Sub., Neptune Meter Co., 2-4-5-6	Wallingford 2	Conn
Rhode Island Insulated Wire Co., 2-4-6	50 Burnham Ave, Cranston	RI
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 2-4-5-6	Nicoll & Canner Sts, New Haven 4	Conn
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp., 2-4-6	640 S. Broad St, Trenton 2	NJ
Rome Cable Div of Alcoa, 4	Ridge St, Rome	NY
SECON METALS CORP., 3, Adv Pg 529	**7 Intervale St, White Plains**	**NY**
Simplex Wire & Cable Co., 6	79 Sidney St, Cambridge 39	Mass
Smith Mfg. Co., Inc., E.C., 1-3	Forrest & Hector Sts, Conshohocken	Pa
Sprague Electric Co., 3	125 Marshall St, North Adams	Mass
SURPRENANT MFG. CO., 4-6, Adv Pg 161	**Clinton**	**Mass**
TENSOLITE INSULATED WIRE CO., INC., 2-4-6, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
THERMAX WIRE CORP., 3-4, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Thermo Nuclear Wire Industries, 1-2-3-4-6	137 Grand St, New York	NY
Topper Mfg. Co., Inc., 1-3-6	84-56 Parsons Blvd, Jamaica 32	NY
Warren Wire Co., 3	Pownal	Vt

WIRE —*HIGH-VOLTAGE, INSULATED*
1. SHIELDED 2. UNSHIELDED

Aero-Marine Development Corp., 1-2	110 Summit Ave, Chatham	NJ
ALPHA WIRE CORP., 1-2, Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Steel & Wire Div., USS, 1-2	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., 1-2, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
AMPHENOL CABLE & WIRE DIV., AMPHENOL-BORG ELECTRONICS CORP., 1-2, Adv Pg 288	**S. Harlem Ave at 63rd St, Chicago 38**	**Ill**
Anaconda Wire & Cable Co., 1-2	25 Broadway, New York 4	NY
Atlantic Wire & Cable Corp., 1-2	119-14 14 Rd, College Point	NY
BELDEN MFG. CO., 1-2, Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., 1-2, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 1-2	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc., 1-2	66 Rushmore St, Westbury	NY
Carol Cable Div., Crescent Co., Inc., 1-2	20 Central Ave, Pawtucket	RI
CHESTER CABLE CORP., 1-2, Adv Pg 265	**Hill St, Chester**	**NY**
COLEMAN WIRE & CABLE CO., 1-2, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1-2	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 1-2	P.O. Box 366, Wallingford	Conn
Cornish Wire Co., 1-2	50 Church St, New York 7	NY
Dielectric Materials Co., 1-2	5315-17 N. Ravenswood, Chicago	Ill
The Electric Autolite Co., 1-2	Champlain St, Toledo 1	Ohio
Essex Wire Corp., Wire & Cable Div., 1-2	2610 S. Adams, Marion	Ind
General Cable Corp., 1-2	730 Third Ave, New York 17	NY

GENERAL ELECTRIC CO., WIRE & CABLE, 1-2, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
General Insulated Wire Works, Inc., 1-2	69 Gordon Ave, Providence 5	RI
Hallett Mfg. Co., 1	5910 Bowcroft St, Los Angeles	Cal
Holyoke Wire & Cable Corp., 1-2	720 Main St, Holyoke	Mass
Jefferson Wire & Cable Corp., 1-2	Pleasant Valley Rd, Sutton	Mass
Judd Wire Mfg. Corp., 1-2	22 Ave A, Turners Falls	Mass
Lenz Electric Mfg. Co., 1-2	1751 N. Western Ave, Chicago 47	Ill
MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1, Adv Pg 502	**1322 N. Elston Ave, Chicago 22**	**Ill**
MARKEL & SONS, L. FRANK, 1-2, Adv Pg 565	**School House Ln, Norristown**	**Pa**
Mohawk Wire & Cable Corp., 1-2	320 River St, Fitchburg	Mass
Okonite Co., The, 1-2	Canal St, Passaic	NJ
Packard Electric Div., General Motors Corp., 1-2	312 Dana Ave, Warren	Ohio
Phalo Plastics Corp., 1-2	530 Boston Trnpk, Shrewsbury	Mass
PHELPS DODGE COPPER PRODUCTS CORP., 1-2, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Philadelphia Insulated Wire Co., 1-2	333 New Albany Rd, Moorestown	NJ
Plastoid Corp., 1-2	42-61 24 St, Long Island City 1	NY
Porter Co., Inc. H.K., National Electric Div., 1-2	Porter Bldg, Pittsburgh 19	Pa
Radix Wire Co., 1	26260 Lakeland Blvd, Cleveland 32	Ohio
Raychem Corp., 1-2	Oakside at Northside, Redwood City	Cal
Rego Insulated Wire Co., 1-2	830 Monroe St, Hoboken	NJ
Rhode Island Insulated Wire Co., 1-2	50 Burnham Ave, Cranston	RI
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 1-2	Nicoll & Canner Sts, New Haven 4	Conn
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp., 1-2	640 S. Broad St, Trenton 2	NJ
Rome Cable Div of Alcoa, 1-2	Ridge St, Rome	NY
Royal Electric Corp., 1	95 Grand Ave, Pawtucket	RI
Saxton Products, Inc., 1-2	4320 Park Ave, Bronx 57	NY
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 1-2	2201 Bay Rd, Redwood City	Cal
Simplex Wire & Cable Co., 1-2	79 Sidney St, Cambridge 39	Mass
Supa Insulations, Inc., 1-2	123 E. Bassett St, Rocky Mount	NC
Superior Cable Corp., 1-2	P.O. Box 480-A, Hickory	NC
SURPRENANT MFG. CO., 1-2, Adv Pg 161	**Clinton**	**Mass**
TENSOLITE INSULATED WIRE CO., INC., 1-2, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 1-2	108 E. Prospect Ave, Burbank	Cal
Thermo Nuclear Wire Industries, 1-2	137 Grand St, New York	NY
Victor Electric Wire & Cable Corp., 1-2	618 Main St, West Warwick	RI
Warren Wire Co., 1-2	Pownal	Vt
Western Insulated Wire Co., 1-2	2425 E. 30 St, Los Angeles 58	Cal
Whitaker Cable Corp., 1-2	Kansas City 16	Mo

WIRE *—HOOKUP, INSULATED*
1. COTTON 2. COTTON OVER PLASTIC 3. GLASS OVER PLASTIC 4. KEL-F (FLUOROCARBON) 5. NYLON 6. NYLON OVER PLASTIC 7. PLASTIC (GENERAL-PURPOSE, BRAID, SOLID, OR WRAP) 8. POLYETHYLENE 9. POLYVINYLCHLORIDE 10. SHIELDED 11. SILICONE RUBBER 12. SILK 13. TEFLON (FLUOROCARBON) See Also **WIRE** *—HIGH TEMPERATURE*

A-K Mfg. Co., Inc., 1-2-3-7-8-9-10	111 S. Northwest Hwy, Barrington	Ill
Aero-Marine Development Corp., 2-3-4-11-13	110 Summit Ave, Chatham	NJ
ALPHA WIRE CORP., 1-2-3-6-7-8-10-13, Adv Pg 266	**200 Varick St, New York 14**	**NY**
Alphaduct Wire & Cable Co., 8-9	25 Van Dyke Ave, New Brunswick	NJ
American Electric Cable Co., 1-2-3-5-6-7-8-9-10-13	183 Appleton St, Holyoke	Mass
American Steel & Wire Div., USS, 8-9-10-11-13	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., 3-5-6-7-8-9-10-11-13, Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Anaconda Wire & Cable Co., 1-2-3-5-6-7-8-10-11	25 Broadway, New York 4	NY
Apex Wire & Cable Corp., 2-7-9	237 37 St, Brooklyn 32	NY
Atlantic Wire & Cable Corp., 1-2-3-7-8-9-10	119-14 14 Rd, College Point	NY
BELDEN MFG. CO., 1-2-5-7-8-9-10-11-13, Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., 1-2-3-4-5-6-7-8-9-10-11-13, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Boston Insulated Wire & Cable Co., 2-3-5-6-7-8-9-10-11-13	63 Bay St, Boston 25	Mass
Brand William-Rex Div., 1-2-3-4-5-6-7-8-9-10-11-13	31 Sudbury Rd, Concord	Mass
Cable Designs, Inc., 3-10-11-13	66 Rushmore St, Westbury	NY
Cable Electric Products, 1-2-8-9-10	234 Daboll St, Providence	RI
Carol Cable Div., Crescent Co., Inc., 7	20 Central Ave, Pawtucket	RI
Chemplast, Inc., 13	3 Central Ave, East Newark	NJ
CHESTER CABLE CORP., 2-3-5-6-7-8-9-10-13, Adv Pg 265	**Hill St, Chester**	**NY**
Cimco Wire & Cable Co., 13	303 Crescent Ave, Allendale	NJ
COLEMAN WIRE & CABLE CO., 1-2-3-4-5-6-7-8-9-10-11-12-13, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 1-2-3-5-6-7-8-9-10-11-13	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos., 1-2-3-4-5-6-7-8-9-10-11-12-13	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 2-3-4-5-6-7-8-9-10-11-13	P.O. Box 366, Wallingford	Conn
Cornish Wire Co., 1-2-3-7-8-9-10	50 Church St, New York 7	NY
Dielectric Materials Co., 2-3-5-6-7-8-9-10-11	5315-17 N. Ravenswood, Chicago	Ill
Eagle Electric Mfg. Co., Inc., 7	23-10 Bridge Plaza S., L.I. City	NY
The Electric Autolite Co., 1-2-3-7-8-9-10-11-13	Champlain St, Toledo 1	Ohio
Electric Autolite Co., Wire & Cable Div., 4-5-6-11-12	Toledo 1	Ohio
Enflo Corp., 13	Fellowship Rd, Rt. 73, Maple Shade	NJ
Essex Wire Corp., Wire & Cable Div., 1-7-8-9-10	2610 S. Adams, Marion	Ind
Ethylene Corp., 13	245 Broad St, Summit	NJ
Fairbanks Wire Co., Inc., 1-5-12	2289 Hollers Ave, New York 69	NY
Garrett Corp, The, 7-13	9851 Sepulveda Blvd, Los Angeles 45	Cal
Gavitt Wire & Cable Co., 1-2-3-5-6-7-8-9-10-13	Central St, Brookfield	Mass
General Cable Corp., 2-3-5-6-7-8-9-10-11	730 Third Ave, New York 17	NY
GENERAL ELECTRIC CO., WIRE & CABLE, 7-8-9-10, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
General Insulated Wire Works, Inc., 1-7-9-10	69 Gordon Ave, Providence 5	RI
Gore & Associates, Inc., W.L., 13	487 Paper Mill Rd, Newark	Del
Hallett Mfg. Co., 10	5910 Bowcroft St, Los Angeles	Cal
Halogen Insulator & Seal Corp., 4-13	9960 Pacific Ave, Franklin Park	Ill
Haveg Industries, Inc., 10-13	900 Greenbank Rd, Wilmington 8	Del
HITEMP WIRES, INC., 13, Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Holyoke Wire & Cable Corp., 1-2-3-5-6-7-8-9-10-11-13	720 Main St, Holyoke	Mass
Hudson Wire Co., 1-2-3-5-8-12	62 Water St, Ossining	NY
Inso Electronic Products, Inc., 10-13	1200 Commerce Ave, Union	NJ
Jefferson Wire & Cable Corp., 1-2-3-5-6-7-8-9-10	Pleasant Valley Rd, Sutton	Mass
Judd Wire Mfg. Corp., 2-3-5-6-7-8-9-10-13	22 Ave A, Turners Falls	Mass
Kerrigan Lewis Mfg. Co., 5-6-12	4421 W. Rice St, Chicago 51	Ill
Lenz Electric Mfg. Co., 1-2-3-5-8-9-10	1751 N. Western Ave, Chicago 47	Ill
LEWIS ENGINEERING CO., 3-5-6-8-9-10-11-13, Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
MARKEL & SONS, L. FRANK, 10-11-13, Adv Pg 565	**School House Ln, Norristown**	**Pa**
Miller Electric Co., 7-9	120 Main St, Pawtucket	RI
Minn-Honeywell, Industrial Div., 1-3-4-7-9	Wayne & Windrim, Philadelphia 44	Pa
Mohawk Wire & Cable Corp., 5-6-7-8-9-10	320 River St, Fitchburg	Mass
Moxness Products, Inc., 11-13	1916 Indiana St, Racine	Wisc
New England Electrical Works, Inc., 1-12	365 Main St, Lisbon	NH
Okonite Co., The, 6-7-8-9-10-11-13	Canal St, Passaic	NJ
Pacific Electricord Co., 7-8-9	3217 Exposition Pl, Los Angeles 18	Cal
Pacific Resistor & Cable Co., 13	2186 Colorado Ave, Santa Monica	Cal
Packard Electric Div., General Motors Corp., 1-2-3-5-6-7-9-10-11-13	312 Dana Ave, Warren	Ohio
Patton-MacGuyer Co., 7-9	17 Virginia Ave, Providence 5	RI
Phalo Plastics Corp., 1-2-3-5-6-7-8-9-10-11	530 Boston Trnpk, Shrewsbury	Mass
Philadelphia Insulated Wire Co., 1-2-3-6-7-8-9-10-12-13	333 New Albany Rd, Moorestown	NJ
Plastic Wire & Cable Corp., 5-6-7-8-9-10	Jewett City	Conn
Plastoid Corp., 1-2-3-5-6-7-8-9-10-11-13	42-61 24 St, Long Island City 1	NY
Porter Co., Inc. H.K., National Electric Div., 8-9-11	Porter Bldg, Pittsburgh 19	Pa
Precision Tube Co., Inc., 10	Church & Wissahickon, North Wales	Pa
Radix Wire Co., 1-2-3-7-8-9-10	26260 Lakeland Blvd, Cleveland 32	Ohio
Raychem Corp., 6-8-10	Oakside at Northside, Redwood City	Cal
Rego Insulated Wire Co., 7-8-9-10	830 Monroe St, Hoboken	NJ
Revere Corp of America Sub., Neptune Meter Co., 1-2-3-4-5-6-7-8-9-10-13	Wallingford 2	Conn
Rhode Island Insul. Wire 1-2-3-5-6-7-8-9-10-11	50 Burnham Ave, Cranston	RI
Rockbestos Wire & Cable Co., Div of Cerro de Pasco Corp., 5-6-7-8-9-10-11-13	Nicoll & Canner Sts, New Haven 4	Conn
Rockland Insulated Wire & Cable Co., 7-9-10	36 Main St, Haverstraw	NY
Rome Cable Div of Alcoa, 5-6-7-8-9-10	Ridge St, Rome	NY
Royal Electric Corp., 10	95 Grand Ave, Pawtucket	RI
Runzel Cord & Wire Co., 1-2-3-7-10	4723 W. Montrose Ave, Chicago 41	Ill
Saxton Products, Inc., 7-8-9-10-13	4320 Park Ave, Bronx 57	NY
Sequoia Wire & Cable Co., Sub., Anaconda Wire & Cable Co., 3-5-6-7-8-9-10-13	2201 Bay Rd, Redwood City	Cal
Shamban & Co., W.S., 4-5-7-8-13	11617 W. Jefferson Blvd, Culver City	Cal
Southwire Co., 5-6-7-8-9	4 Fertilla St, Carrollton	Ga
Spectra-Strip Wire & Cable Corp., 9-10	P. O. Box 415, Garden Grove	Cal
Supa Insulations, Inc., 13	123 E. Bassett St, Rocky Mount	NC
Superior Cable Corp., 5-6-7-8-9-10	P.O. Box 480-A, Hickory	NC
Superior Insulated Wire Co., 1-2-7-8-9-10	Washburn's Ln, Stony Point	NY
SURPRENANT MFG. CO., 3-4-5-6-7-8-9-10-11-13, Adv Pg 161	**Clinton**	**Mass**
TENSOLITE INSULATED WIRE CO., INC., 2-3-4-5-6-7-9-10-13, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 6-7-8-9-10	108 E. Prospect Ave, Burbank	Cal
Thermal Wire of America, 10-13	Keeler's Bay, South Hero	Vt
THERMAX WIRE CORP., 3-10-13, Adv Pg 310	**304 E. 45 St, New York 17**	**NY**
Thermo Nuclear Wire Industries, 1-2-3-4-5-6-7-8-9-10-11-12-13	137 Grand St, New York	NY
Times Wire & Cable Co., Inc., 6-7-8-9-10-13	358 Hall Ave, Wallingford	Conn
Topper Mfg. Co., Inc., 13	84-56 Parsons Blvd, Jamaica 32	NY
U.S. Wire & Cable Corp., 7-8-9-10	Progress & Monroe Sts, Union 50	NJ
Victor Electric Wire & Cable Corp., 5-6-7-8-9-10	618 Main St, West Warwick	RI
Warren Wire Co., 10-13	Pownal	Vt
Whitaker Cable Corp., 1-2-3-5-6-7-9-10	Kansas City 16	Mo
Wirecraft Products, Inc., 10-13	Rt 9, West Brookfield	Mass

WIRE-IDENTIFYING LABELS See LABELS
WIRELESS INTERCOMMUNICATION SYSTEMS See INTERCOMMUNICATION SYSTEMS
WIRELESS MICROPHONES See MICROPHONES *—WIRELESS*
WIRE—LINE CARRIER SYSTEMS See COMMUNICATION SYSTEMS

WIRE *—LINE-CORD*

A-K Mfg. Co., Inc	111 S. Northwest Hwy, Barrington	Ill
ALPHA WIRE CORP., Adv Pg 266	**200 Varick St, New York 14**	**NY**
Anaconda Wire & Cable Co	25 Broadway, New York 4	NY
Apex Wire & Cable Corp	237 37 St, Brooklyn 32	NY
BELDEN MFG. CO., Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., Adv Pg 500	**145 Hudson St, New York 13**	**NY**
CHESTER CABLE CORP., Adv Pg 265	**Hill St, Chester**	**NY**
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Consolidated Wire & Associated Cos	1635 S. Clinton St, Chicago 16	Ill
Cornish Wire Co	50 Church St, New York 7	NY
Eagle Electric Mfg. Co., Inc	23-10 Bridge Plaza S., L.I. City	NY
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
General Insulated Wire Works, Inc	69 Gordon Ave, Providence 5	RI
Holyoke Wire & Cable Corp	720 Main St, Holyoke	Mass
Judd Wire Mfg. Corp	22 Ave A, Turners Falls	Mass
Miller Electric Co	120 Main St, Pawtucket	RI
Pacific Electricord Co	3217 Exposition Pl, Los Angeles 18	Cal
Packard Electric Div., General Motors Corp	312 Dana Ave, Warren	Ohio
Patton-MacGuyer Co	17 Virginia Ave, Providence 5	RI
Phalo Plastics Corp	530 Boston Trnpk, Shrewsbury	Mass
Plastic Wire & Cable Corp	Jewett City	Conn
Plastoid Corp	42-61 24 St, Long Island City 1	NY
Rego Insulated Wire Co	830 Monroe St, Hoboken	NJ
Royal Electric Corp	95 Grand Ave, Pawtucket	RI
Southwire Co	4 Fertilla St, Carrollton	Ga
Superior Insulated Wire Co	Washburn's Ln, Stony Point	NY
Thermo Nuclear Wire Industries	137 Grand St, New York	NY
Victor Electric Wire & Cable Corp	618 Main St, West Warwick	RI

WIRE *—LITZ*

American Electric Cable Co	183 Appleton St, Holyoke	Mass
AMERICAN SUPER-TEMPERATURE WIRES, INC., Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
BELDEN MFG. CO., Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**

Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Consolidated Wire & Associated Cos	1635 S. Clinton St, Chicago 16	Ill
Fairbanks Wire Co., Inc	2289 Hollers Ave, New York 69	NY
Hudson Wire Co	62 Water St, Ossining	NY
Judd Wire Mfg. Corp	22 Ave A, Turners Falls	Mass
Kerrigan Lewis Mfg. Co	4421 W. Rice St, Chicago 51	Ill
New England Electrical Works, Inc	365 Main St, Lisbon	NH
Okonite Co., The	Canal St, Passaic	NJ
Philadelphia Insulated Wire Co	333 New Albany Rd, Moorestown	NJ
Thermo Nuclear Wire Industries	137 Grand St, New York	NY
Topper Mfg. Co., Inc	84-56 Parsons Blvd, Jamaica 32	NY

WIRE —*MAGNET*
1. COTTON-ENAMELED 2. DACRON, POLYESTER 3. ENAMELED 4. FORMVAR 5. FORMVAR & NYLON 6. GLASS-REINFORCED 7. SELF-BONDING 8. SOLDER-STRIPPABLE 9. SQUARE OR RECTANGULAR 10. TEFLON See Also WIRE —*HIGH TEMPERATURE*

Acme Wire Co., 1-2-3-4-5-7-8	New Haven 14	Conn
Aero-Marine Development Corp., 10	110 Summit Ave, Chatham	NJ
ALPHA WIRE CORP., 3-4-10, Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Steel & Wire Div., USS, 2-4-5-9	Rockefeller Bldg, Cleveland 13	Ohio
AMERICAN SUPER-TEMPERATURE WIRES, INC., Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Anaconda Wire & Cable Co., 1-3-4-5-9-10	25 Broadway, New York 4	NY
Asco Wire & Cable Co., 1-2-3-4-5-7-8	2 Burroughs St, Bridgeport 7	Conn
BELDEN MFG. CO., 1-2-3-4-6-9, Adv Pg 261	**415 S. Kilpatrick, Chicago 44**	**Ill**
BIRNBACH RADIO CO., INC., 3-4-10, Adv Pg 500	**145 Hudson St, New York 13**	**NY**
Bram Metallurgical Chemical Co., 9	820 65 Ave, Philadelphia 26	Pa
Bridgeport Insulated Wire Co., 1-2-3-4-5-6-7-8	57 Brookfield, Bridgeport 8	Conn
Cable Designs, Inc., 10	66 Rushmore St, Westbury	NY
COLEMAN WIRE & CABLE CO., 1-2-3-4-5-6-7-8-9-10, Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co., 10	2850 Irving Park Rd, Chicago	Ill
CONSOLIDATED REACTIVE METALS, INC., 9, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Consolidated Wire & Associated Cos., 1-2-3-4-5-6-7-9-10	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 10	P.O. Box 366, Wallingford	Conn
Driver-Harris Co., 4-5-6-10	202 Middlesex St, Harrison 13	NJ
The Electric Autolite Co., 1-3-4-10	Champlain St, Toledo 1	Ohio
Electric Autolite Co., Wire & Cable Div., 2-5-6-7-8-9	Toledo 1	Ohio
Elmet Div., North American Philips Co., Inc., 3	Lisbon Rd, Lewiston	Me
Essex Wire Corp., Magnet Wire Corp., 1-2-3-4-5-6-7-8-9-10	1601 Wall St, Fort Wayne	Ind
Ethylene Corp., 10	245 Broad St, Summit	NJ
Fairbanks Wire Co., Inc., 1-2-5-8	2289 Hollers Ave, New York 69	NY
Franklin Fibre Lamitex Corp., 10	P.O. Box 1768, Wilmington	Del
General Cable Corp., 1-2-3-4-5-9	730 Third Ave, New York 17	NY
GENERAL ELECTRIC CO., WIRE & CABLE, 2-3-4-5-6-7-8-9-10, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
Halogen Insulator & Seal Corp., 10	9960 Pacific Ave, Franklin Park	Ill
HITEMP WIRES, INC., 10, Adv Pg 157	**1200 Shames Dr, Westbury**	**NY**
Hudson Wire Co., 1-2-3-4-5	62 Water St, Ossining	NY
A.D. Mackay, Inc., 4	198 Broadway, New York 38	NY
New England Electrical Works, Inc., 1-2-3-4-5-8	365 Main St, Lisbon	NH
Okonite Co., The, 1-2-3-4-5-6-9	Canal St, Passaic	NJ
Packard Electric Div., General Motors Corp., 4-5-7	312 Dana Ave, Warren	Ohio
PHELPS DODGE COPPER PRODUCTS CORP., 1-2-3-4-5-6-7-8-9, Adv Pg 125	**300 Park Ave, New York 22**	**NY**
Phelps Dodge Copper Products Corp., INCA Mfg. Div., 1-2-3-4-5-6-7-8-9	4400 New Haven Ave, Fort Wayne	Ind
Philadelphia Insulated Wire Co., 10	333 New Albany Rd, Moorestown	NJ
Rea Magnet Wire Co., Inc., 1-3-4-5-7-8-9	3610 E. Pontiac St, Fort Wayne	Ind
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp., 1-2-3-4-5-6-9-10	640 S. Broad St, Trenton 2	NJ
Rome Cable Div of Alcoa, 1-2-3-4-5-6-9	Ridge St, Rome	NY
Slepian & Co., Arthur, 1-2-3-4-5-7-8	2 Burroughs St, Bridgeport 7	Conn
Sprague Electric Co., 10	125 Marshall St, North Adams	Mass
Supa Insulations, Inc., 10	123 E. Bassett St, Rocky Mount	NC
TENSOLITE INSULATED WIRE CO., INC., 3-8-10, Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Tevco Insulated Wire, 4	108 E. Prospect Ave, Burbank	Cal
Thermal Wire of America, 10	Keeler's Bay, South Hero	Vt
Thermo Nuclear Wire Industries, 1-2-3-4-5-6-8-9-10	137 Grand St, New York	NY
Topper Mfg. Co., Inc., 10	84-56 Parsons Blvd, Jamaica 32	NY
Viking Wire Co., Inc., 3-4-5-7-8	100 Shelter Rock Rd, Danbury	Conn
Warren Wire Co., 3-4-5-9-10	Pownal	Vt

WIRE —*MAGNETIC RECORDING*

Brookfield Wire Co., Inc	Brookfield	Mass
Fidelitone, Inc	6415 Ravenswood, Chicago 26	Ill
Fort Wayne Metals, Inc	3211 McArthur Dr, Fort Wayne 6	Ind
National-Standard Co	Niles	Mich
Permo, Inc	6415 Ravenswood, Chicago 26	Ill

WIRE-MARKING MACHINES See MACHINES —*WIRE-MARKING*

WIRE-MARKING SERVICES

A-K Mfg. Co., Inc	111 S. Northwest Hwy, Barrington	Ill
ACKERMAN ENGRAVERS, INC., Adv Pg 551	**458 Broadway, New York**	**NY**
Acromark Co., The	323 Morrell St, Elizabeth 4	NJ
Actioncraft Products	2 Yennicock Ave, Port Washington	NY
ALPHA WIRE CORP., Adv Pg 266	**200 Varick St, New York 14**	**NY**
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
Brand William-Rex Div	31 Sudbury Rd, Concord	Mass
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Electronic Production & Development, Inc	501 N. Prairie Ave, Hawthorne	Cal
GILLIES CO., INC., DUNCAN M., Adv Pg 450	**66 Central St, West Boylston**	**Mass**
MARKWIK SALES CORP., Adv Pg 547	**31 Sexton Rd, Plainview**	**NY**
STAFFORD MFG. CO., INC., Adv Pg 442	**145 E. 58th St, Brooklyn 20**	**NY**
Swift & Sons, M.	10 Love Ln, Hartford	Conn
Thermo Nuclear Wire Industries	137 Grand St, New York	NY
Westline Products Div., Western Litho. Co	600 E. 2nd St, Los Angeles 54	Cal

WIRE-MEASURING MACHINES See MACHINES —*WIRE-PROCESSING*

WIRE PARTS —*FORMED*

Accurate Spring Mfg. Co	3811 W. Lake St, Chicago	Ill
Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
ART WIRE & STAMPING CO., Adv Pg 74	**227 High St, Newark 2**	**NJ**
Carroll Pressed Metal, Inc	133 Dewey St, Worcester	Mass
DKE ELECTRONIC BASES CORP., Adv Pg 512	**27 Wright St, Newark**	**NJ**
Dudek & Bock Spring & Mfg. Co	4014 W. Grand Ave, Chicago 51	Ill
Eastern Tool & Mfg. Co	1 Montgomery St, Belleville 9	NJ
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
Electronic Parts Mfg. Co., Inc	508-10 25th St, Union City	NJ
Erskine Precision Wire Corp	2208 Main St, Owensboro	Ky
GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV., Adv Pg 530	**Attleboro**	**Mass**
I.E. Manufacturing	325 N. Hoyne Ave, Chicago 12	Ill
Jones & Roy Co	620 Commercial Ave, Covina	Cal
King Laboratories, Inc	127 Solar St, Syracuse 3	NY
Materials for Electronics, Inc	152-25 138 Ave, Jamaica 34	NY
Metal Findings Corp	152 W. 22nd St, New York 11	NY
Newcomb Spring Corp., The	228 College Hwy, Valley Stream	NY
North & Judd Mfg. Co	500 E. Main St, New Britain	Conn
Parker Metal Goods Co	85 Prescott St, Worcester	Mass
Pix Mfg. Co., Inc	75 Hudson St, Newark	NJ
Precision Tube Co., Inc	Church & Wissahickon, North Wales	Pa
Reliable Spring & Wire Forms Co	Fulton Rd & Paris Ave, Cleveland 9	Ohio
Roebling's Sons, John A., Div., Colorado Fuel & Iron Corp	640 S. Broad St, Trenton 2	NJ
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY
STOKES CORP., F.J., Adv. Pgs. 253-256	**5500 Tabor Rd, Philadelphia 20**	**Pa**
Sylvania Electric Products Inc., Parts Div	12 Second Ave, Warren	Pa
Thor Ceramics, Inc	225 Belleville Ave, Bloomfield	NJ
Tricon Mfg. Co	8012 S. Wallace St, Chicago 20	Ill
Washington Mfg. Co., Inc	P.O. Box 370, Washington	Iowa
Westinghouse Electric Corp., Lamp Div	Bloomfield	NJ
Zierick Mfg. Corp	Beechwood & Rockdale, New Rochelle	NY

WIRE-PROCESSING MACHINES See MACHINES —*WIRE-PROCESSING*
WIRE RECORDERS See RECORDERS —*WIRE*
WIRE REELS —*RETRACTILE* See REELS

WIRE —*RESISTANCE*
1. FILAMENT & HEATER 2. FUSE 3. POTENTIOMETER (PRECISION) 4. RESISTOR, BARE 5. RESISTOR, INSULATED

American Leonic Mfg. Co., 1-2-3-4-5	3001 Walnut St, Philadelphia 4	Pa
Asquith Co., S.A., 3	427 W. Chevy Chase Dr, Glendale	Cal
Associated Engineering & Mfg. Corp., 1	Glen Ridge	NJ
Bishop & Co., J., Platinum Works, 1-3	Malvern	Pa
Bram Metallurgical Chemical Co., 4-5	820 65 Ave, Philadelphia 26	Pa
Calbest Electronics Co., 3	4801 Exposition Blvd, Los Angeles 16	Cal
Carpenter Steel Co., Webb Wire Div., 4	New Brunswick	NJ
COHN CORP., SIGMUND, 2-3, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
CONSOLIDATED REACTIVE METALS, INC., 1-3-4, Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Consolidated Wire & Associated Cos., 1-4-5	1635 S. Clinton St, Chicago 16	Ill
Continental Wire Sales Corp., 5	P.O. Box 366, Wallingford	Conn
DKE ELECTRONIC BASES CORP., 1, Adv Pg 512	**27 Wright St, Newark**	**NJ**
DRIVER CO., WILBUR B., 1-2-3-4-5, Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co., 1-3-4-5	202 Middlesex St, Harrison 13	NJ
Electric Autolite Co., Wire & Cable Div., 1-5	Toledo 1	Ohio
Electronic Parts Mfg. Co., Inc., 1	508-10 25th St, Union City	NJ
General Electric Co., Lamp Metals & Components Dept., 1	21800 Tungsten Rd, Cleveland 17	Ohio
GENERAL ELECTRIC CO., WIRE & CABLE, 5, Adv Pg 14	**1285 Boston Ave, Bridgeport 2**	**Conn**
Holyoke Wire & Cable Corp., 5	720 Main St, Holyoke	Mass
HOSKINS MFG. CO., 1-3-4-5, Adv Pg 299	**4445 Lawton Ave, Detroit 8**	**Mich**
Hudson Wire Co., 1-2	62 Water St, Ossining	NY
Jelliff Mfg. Corp., C.O., 1-2-3-4-5	200 Pequot Ave, Southport	Conn
Kanthal Corp., 1-2-3-4-5	Amelia Pl, Stamford	Conn
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Molecu-Wire Corp., 1-2-3-4-5	Eatontown-Freehold Rd, Scobeyville	NJ
NESOR ALLOY PRODUCTS CO., 1-2-3-4, Adv Pg 518	**666 Passaic Ave, West Caldwell**	**NJ**
NEY CO., J.M., 3, Adv Pg 476	**Maplewood Ave, Bloomfield**	**Conn**
SECON METALS CORP., 1-2-3, Adv Pg 529	**7 Intervale St, White Plains**	**NY**
Techalloy Co., Inc., 1-3-4	Rahns	Pa
TENSOLITE INSULATED WIRE CO., INC., 3, Adv Pg 137	**W. Main St, Tarrytown**	**NY**

WIRE STRIPPERS See STRIPPERS —*WIRE*
WIRE TENSIONERS See TENSION DEVICES

WIRE —*THERMOCOUPLE*

Aero Research Instrument Co	315 N. Aberdeen St, Chicago 7	Ill
American Leonic Mfg. Co	3001 Walnut St, Philadelphia 4	Pa
AMERICAN SUPER-TEMPERATURE WIRES, INC., Adv Pg 388	**8 W. Canal St, Winooski**	**Vt**
Bishop & Co., J., Platinum Works	Malvern	Pa
Boston Insulated Wire & Cable Co	63 Bay St, Boston 25	Mass
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
COHN CORP., SIGMUND, Adv Pg 516	**121 S. Columbus Ave, Mt. Vernon**	**NY**
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
CONSOLIDATED REACTIVE METALS, INC., Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Consolidated Wire & Associated Cos	1635 S. Clinton St, Chicago 16	Ill
DRIVER CO., WILBUR B., Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Driver-Harris Co	202 Middlesex St, Harrison 13	NJ
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Foxboro Co., The	Foxboro	Mass
General Electric Co., Lamp Metals & Components Dept	21800 Tungsten Rd, Cleveland 17	Ohio
HOSKINS MFG. CO., Adv Pg 299	**4445 Lawton Ave, Detroit 8**	**Mich**
Kanthal Corp	Amelia Pl, Stamford	Conn
Leeds & Northrup Co	4970 Stenton Ave, Philadelphia 44	Pa
LEWIS ENGINEERING CO., Adv Pg 479	**52 Rubber Ave, Naugatuck**	**Conn**
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Minn-Honeywell, Industrial Div	Wayne & Windrim, Philadelphia 44	Pa
NESOR ALLOY PRODUCTS CO., Adv Pg 518	**666 Passaic Ave, West Caldwell**	**NJ**
Plastoid Corp	42-61 24 St, Long Island City 1	NY
Pyrometer Instrument Co., Inc	92 Portland Ave, Bergenfield	NJ

Radix Wire Co	26260 Lakeland Blvd, Cleveland 32	Ohio
Raychem Corp	Oakside at Northside, Redwood City	Cal
Revere Corp of America Sub., Neptune Meter Co	Wallingford 2	Conn
Smith Mfg. Co., Inc., E.C	Forrest & Hector Sts, Conshohocken	Pa
SURPRENANT MFG. CO., Adv Pg 161	**Clinton**	**Mass**
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Thermo Electric Co	Rochelle Park P.O., Saddle Brook	NJ
Thermo Nuclear Wire Industries	137 Grand St, New York	NY
Thermovolt Instruments, Ltd	70 Advance Rd, Toronto 18, Ontario, Canada	
West Instrument Corp	4363 W. Montrose, Chicago 41	Ill

WIRE *–TINSEL*

American Leonic Mfg. Co	3001 Walnut St, Philadelphia 4	Pa
COLEMAN WIRE & CABLE CO., Adv Pg 497	**1911 N. River Rd, River Grove**	**Ill**
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
CONSOLIDATED REACTIVE METALS, INC., Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
DRIVER CO., WILBUR B., Adv Pg 379	**1875 McCarter Hwy, Newark 4**	**NJ**
Fairbanks Wire Co., Inc	2289 Holl:s Ave, New York 69	NY
Hudson Wire Co	62 Water St, Ossining	NY
Montgomery Co	20 Canal Bank, Windsor Locks	Conn
Royal Electric Corp	95 Grand Ave, Pawtucket	RI
TENSOLITE INSULATED WIRE CO., INC., Adv Pg 137	**W. Main St, Tarrytown**	**NY**
Thermo Nuclear Wire Industries	137 Grand St, New York	NY

WIRE TWISTERS

Carpenter Mfg. Co., Inc	Highbridge Rd, DeWitt 14	NY
Columbia Wire & Supply Co	2850 Irving Park Rd, Chicago	Ill
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
INDUSTRIAL WINDING MACHINERY CORP., Adv Pg 529	**120 Wall St, New York 5**	**NY**
Parker Metal Goods Co	85 Prescott St, Worcester	Mass
Rush Wire Stripper Div., Eraser Co	1068 S. Clinton St, Syracuse 4	NY

WIRE-WOUND RESISTORS See **RESISTORS** *–WIRE-WOUND*
WIRE *–WOVEN* See **FABRIC PARTS: FABRICS**
WIRE-WRAPPING TOOLS See **TOOLS** *–WIRE-WRAPPING*
WIRING *–PRINTED* See **CIRCUITS** *–PRINTED WIRING, CUSTOM SERVICE*
WOBBULATORS See **GENERATORS** *–ELECTRONIC*
WOOD BOXES See **BOXES**
WOOD CABINETS See **CABINETS** *–WOOD*
WOOD FIBRE See **FIBRES**
WOOFERS See **SPEAKERS**
WORK COILS See **COILS** *– R-F WORK, INDUCTION HEATING*
WOVEN WIRE See **FABRICS**
WOVEN WIRE PARTS See **FABRIC PARTS**
WOVEN WIRE TUBING See **TUBING** *–METALLIC*
WOW METERS See **METERS** *–WOW & FLUTTER*

WRAPPINGS *–CABLE*

Airdesign Corp	P.O. Box 987, Norristown	Pa
American Avionics, Inc	2028-2032 Stoner Ave, Los Angeles 25	Cal
Electric Autolite Co., Wire & Cable Div	Toledo 1	Ohio
NEWMAN CORP., M.M., Adv. Pgs. 228,446	**79 Clifton Ave, Marblehead**	**Mass**
Pacific Automation Products, Inc	1000 Air Way, Glendale	Cal
Panduit Corp	14461 Waverly, Middlothian	Ill
Radiation Dynamics, Inc	1800 Shames Dr, Westbury	NY
Taylor Electric, Inc	15400 Dale, Detroit 23	Mich
Whitaker Cable Corp	Kansas City 16	Mo
ZIPPERTUBING CO., Adv Pg 512	**752 S. San Pedro St, Los Angeles 14**	**Cal**

WIRING *–PRINTED FLEXIBLE*

International Resistance Co	401 N. Broad St, Philadelphia 8	Pa
SANDERS ASSOCIATES, INC., Adv Pg 488	**95 Canal St, Nashua**	**NH**
Tape Cable Corp	790 Linden Ave, Rochester	NY

WWV RECEIVERS See **RECEIVERS** *–RADIO COMMUNICATION*
X-RAY CAMERAS See **CAMERAS** *–PHOTOGRAPHIC*

X-RAY DIFFRACTION EQUIPMENT

Applied Research Laboratories, Inc	P.O. Box 1710, Glendale 5	Cal
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Hamner Electronics Co., Inc	P.O. Box 531, Princeton	NJ
Isotope Developments, Ltd	Beenham Grange, Reading, Berks, England	
Philips Electronic Instruments	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Picker X Ray Corp	25 S. Broadway, White Plains	NY
Radiation Instrument Development Labs	5737 S. Halsted St, Chicago 36	Ill

X-RAY EQUIPMENT See **RADIOGRAPHIC EQUIPMENT**

X-RAY IMAGE INTENSIFIERS

CURTISS-WRIGHT CORP., PRINCETON DIV., Adv Pg 75	**Princeton**	**NJ**
Dage TV Div., Thompson-Ramo-Wooldridge	W. Tenth St, Michigan City	Ind
Diamond Electronics Div, Diamond Power Specialty Corp	Box 415, Lancaster	Ohio
Foto-Video Electronics, Inc	36 Commerce Rd, Cedar Grove	NJ
General Electric Co., X-Ray Dept	4855 Electric Ave, Milwaukee	Wisc
Houston Fearless Corp	11801 W. Olympic Blvd, Los Angeles 64	Cal
MULLARD OVERSEAS, LTD., Adv Pg 408	**Torrington Pl, London W.C. 1, England**	
Philco Corp., Gov't & Ind'l Div	4700 Wissahickon Ave, Philadelphia 44	Pa
Philips Electronic Instruments	750 S. Fulton Ave, Mt. Vernon	NY
Philips' Gloeilampenfabrieken, N.V.	Eindhoven, Netherlands	
Picker X Ray Corp	25 S. Broadway, White Plains	NY
Rauland Corp., Zenith Subsidiary	4245 N. Knox Ave, Chicago 41	Ill
Tracerlab, Inc	1601 Trapelo Rd, Waltham 54	Mass
WESTINGHOUSE ELECTRIC CORP., Adv. Pgs. 131-136	**Box 2278, Pittsburgh 30**	**Pa**
X-Ray Products Corp	7829 Industry Ave, Pico-Rivera	Cal

X-RAY INTENSITY METERS See **METERS** *–X-RAY INTENSITY*
X-RAY SPECTROMETERS See **SPECTROMETERS** *–GAMMA & X-RAY*
X-RAY TUBES See **TUBES** *–X-RAY*
XXXP PHENOLIC See **LAMINATES** *–COPPER-CLAD*
X-Y RECORDERS See **RECORDERS** *–GRAPHIC*
YOKE INSULATORS See **INSULATORS** *–TV YOKE*
YOKES *–DEFLECTION*
1. OSCILLOSCOPE 2. RADAR PPI 3. TV

Bendix Aviation Corp., Montrose Div., 2	South Montrose	Pa
Blackburn Electronic Corp., 2	55 W. 7th St, Wyoming	Pa
CELCO CONSTANTINE ENGINEERING LABS CO., 1-2, Adv. Pgs. 286, 287	**P.O. Box 555, Mahway**	**NJ**
CHICAGO STANDARD TRANSFORMER CORP., 3, Adv Pg 100	**3501 W. Addison St, Chicago 18**	**Ill**
Cleveland Electronics, Inc., 3	1974 E. 61st St, Cleveland 3	Ohio
Consolidated Productions, Inc., 3	3991 S.W. 12 Terr, Fort Lauderdale	Fla
DX Radio Products Co., Inc., 2-3	2300 Armitage Ave, Chicago 47	Ill
Davis Electric Co	Cape Girardeau	Mo
EMI-COSSOR ELECTRONICS LTD., 1-2, Adv Pg 320	**P.O. Box 525, Dartmouth, Nova Scotia**	
Foto-Video Electronics, Inc., 3	36 Commerce Rd, Cedar Grove	NJ
I. H. Manufacturing Co., 3	121 Greene St, New York 12	NY
Merit Coil & Transformer Corp., 1-3	2027 Sherman St, Hollywood	Fla
Penn Tran Corp., 3	Bellefonte	Pa
Ram Electronics, Inc., 1-2-3	600 Industrial Ave, Paramus	NJ
Rank Cintel Ltd., 3	Worsley Bridge Rd, London S.E. 26, England	
Research Industrial Labs of Electronics, 3	Roslyn	Pa
Sickles F.W. Div. Gen. Instrument Corp., 3	165 Front St, Chicopee	Mass
Sperry Piedmont Div., Sperry Rand Corp., 2	Rt. 29, Charlottesville	Va
SYNTRONIC INSTRUMENTS, INC., 1-2-3, Adv Pg 450	**100 Industrial Rd, Addison**	**Ill**
Telco, Inc., 3	47 Rue De La Div Leclerc, Gentilly	Fr
Telectron Co., 3	3991 S.W. 12th Terr, Ft. Lauderdale	Fla
Television Laboratories, Inc., 1-2-3	333 Mill St, Wauconda	Ill
Thomas Electronics, Inc., 3	118 Ninth St, Passaic	NJ
Transdyne Corp., 2	43 Albertson Ave, Albertson	NY
TRIAD TRANSFORMER CORP., DIV., LITTON IND., 3, Adv Pg 220	**4055 Redwood Ave, Venice**	**Cal**
Universal Mfg. Co., Inc., 3	1168EB Grove St, Irvington 11	NJ
Universal Toroid Coil Winding, Inc., 3	171EB Coit St, Irvington	NJ
Zenith Radio Corp., 3	6001 Dickens Ave, Chicago 39	Ill

YTTRIUM *–IRON OXIDE* See **CRYSTALS** *–GARNET:* **GARNET** *– POLYCRYSTALLINE*
ZENER DIODES See **DIODES** *–CRYSTAL*

ZINC

Alloys Unlimited, Inc	21-03 43rd Ave, Long Island City 1	NY
Belmont Smelting & Refining Works	332 Belmont Ave, Brooklyn 7	NY
Consolidated Mng. & Smltg. Can. Ltd	215 St. James St W., Montreal, Canada	
Delta Chemical Works	21 W. 60th St, New York	NY
Division Lead Co	7742 W. 61st Pl, Summit	Ill
Eagle-Picher Co	American Bldg, Cincinnati 1	Ohio
Harmon Lichtenstein & Co	26 Broadway, New York 4	NY
A.D. Mackay, Inc	198 Broadway, New York 38	NY
Mallinckrodt Chemical Works	Second & Mallinckrodt Sts, St. Louis 7	Mo
New Jersey Zinc Co	160 Front St, New York 38	NY
Semi-Alloys, Inc	550 S. Fulton Ave, Mt. Vernon	NY

ZINC PLATING See **PLATING SERVICES**

ZIRCONIUM OXIDE
1. MATERIAL 2. PARTS 3. PARTS, METALLIZED

Aceto Chemical Co., Inc., 1	40-40 Lawrence St, Flushing 54	NY
Amerconda Chemical Co., 1	170 Broadway, New York 38	NY
Carborundum Co., 1	Dept. A.B., Niagara Falls	NY
Catalyst Research Corp., 1	6101 Falls Rd, Baltimore 9	Md
Ceramaseal, Inc., 3	P.O. Box 25, New Labanon Center	NY
Cooper Development Corp., 1	2626 S. Peck Rd, Monrovia	Cal
Coors Porcelain Co	600 Ninth St, Golden	Colo
Delta Chemical Works, 1	21 W. 60th St, New York	NY
Engelhard Industries, Inc	113 Astor St, Newark 2	NJ
Frenchtown Porcelain Co., 2	Frenchtown	NJ
Gladding, McBean & Co.,2-3	1551 S. Primrose St, Monrovia	Cal
Laboratory Equipment Corp., 2	Lakeview & Hilltop Rd, St. Joseph	Mich
A.D. Mackay, Inc., 1	198 Broadway, New York 38	NY
Materials for Electronics, Inc., 1-2	152-25 138 Ave, Jamaica 34	NY
Metaplast Co., Inc., 3	34-51 56th St, Woodside	NY
National Beryllia Corp., 2-3	4501 Dell Ave, North Bergen	NJ
Norton Co., 1-2	1 New Bond St, Worcester 6	Mass
SEMI-ELEMENTS, INC., 1, Adv Pg 526	**Saxonburg Blvd, Saxonburg**	**Pa**
Var-Lac-Oid Chemical Co., 1-2	116 Broad St, New York 4	NY
Wah Chang Corp., 1	233 Broadway, New York 7	NY
Zirconium Corp of America, 1-2	31501 Solon Rd, Solon 39	Ohio

ZIRCONIUM *–SHEETS, BARS & RODS*

American Silver Co., Inc	36-07 Prince St, Flushing 54	NY
Bram Metallurgical Chemical Co	820 65 Ave, Philadelphia 26	Pa
Bridgeport Brass Co	30 Grand St, Bridgeport	Conn
Carborundum Co	Dept. A.B., Niagara Falls	NY
CONSOLIDATED REACTIVE METALS, INC., Adv Pg 343	**115 Hoyt St, Mamaroneck**	**NY**
Foote Mineral Co	452 W. Chelten Bldg, Philadelphia 44	Pa
Hamilton Watch Co., Precision Metals Div	Lancaster	Pa
A.D. Mackay, Inc	198 Broadway, New York 38	NY
National Lead Co	111 Broadway, New York 6	NY
Paul & Stein Bros., Inc., F.H.	235 Fifth Ave, New York 16	NY
TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIV., Adv. Pgs. 225, 481	**34 Forest St, Attleboro**	**Mass**
Var-Lac-Oid Chemical Co	116 Broad St, New York 4	NY
Wah Chang Corp	233 Broadway, New York 7	NY

ZIRCONIUM TUBING *–*See **TUBING** *–METALLIC*
ZIRCONIUM WIRE See **WIRE** *–BARE*

TRADE NAME INDEX

The following list of trade names of manufacturers and products in or related to the field of electronics has been prepared from data supplied by manufacturers. This list is intended for use in determining the manufacturer's name when only a purported trade name is known. The editors for obvious reasons have not attempted to determine a manufacturer's right to the exclusive use of any such name. Addresses can be obtained by referring to the Manufacturers Index (Green Section). Only coined trade names are listed as it was deemed unnecessary to include a company name inasmuch as the manufacturer's identity was immediately apparent.

ABOGLAS – Natvar Corp.
ABSOLUTE – Cambridge Filter Corp.
ACCOPAC – Armstrong Cork Co.
ACCUDATA – Minn-Honeywell Reg. Co.
ACCURAY – Industrial Nucleonics Corp.
ACCUTRON – Sheffield Corp., Sub. of Bendix Aviation Corp.
ACCUVAC – Green Rectifier Co.
AC DUCER – Edcliff Instruments
ACEMHO – Ace Electronics Associates, Inc.
ACEOHM – Ace Electronics Associates, Inc.
ACEPOT – Ace Electronics Associates, Inc.
ACESET – Ace Electronics Associates, Inc.
ACETRIM – Ace Electronics Associates, Inc.
ACHIEVER – AC Spark Plug Div. G. M.
ACME – Trimm, Inc.
ACME – U. S. Steel Corp.
ACOUSTICAL LABYRINTH – Stromberg-Carlson
ACOUSTIC BATON – University Loudspeakers,
AC PAK – Red Bank Div. Bendix Aviation Corp.
ACRASPLIT – Entron, Inc.
ACROBOSS – Acromark Co.
ACROCEL – Acromark Co.
ACROCUT – Acromark Co.
ACROD – Acme Electric Heating Corp.
ACRO-ETCH – Acromark Co.
ACROFIBE – Acromark Co.
ACROJET – Acromark Co.
ACROLEAF – Acromark Co.
ACROLITE – Acromark Co.
ACROLITE – Acro Div. Robertshaw-Fulton
ACROMARKER – Acromark Co.
ACROPLAC – Acromark Co.
ACROPRENE – Acromark Co.
ACROPRINT – Acromark Co.
ACROPRINTER – Acromark Co.
ACROSNAP – Acro Div. Robertshaw-Fulton
ACROTAG – Acromark Co.
ACTIGRAPH – Nuclear Chicago Corporation.
ADALLOY – Adalet Mfg. Co.
ADAPTOMETER – U. S. Radium Corp.
ADASHAFT – Centralab Electronics Div. of Globe Union Inc.
ADDALINK – Electronic Associates Inc.
ADDAPLUG – Associated Engineering Corp.
ADD-A-SHELF – Alpha Wire Corp.
ADD-A-UNIT – Blonder-Tongue Laboratories, Inc.
ADEC – American Devel. Electronics Co.
ADIPRENE – E. I. du Pont de Nemours & Co., Inc.
ADJUST-A-CONE – Quam-Nichols Co.
ADJUSTOHM – Ward Leonard Electric Co.
ADJUSTOROID – Burnell & Co., Inc.
ADLAKE – Adams & Westlake Co.
ADRAC – Computer Systems, Inc.
ADUET – Centralab Electronics Div. of Globe Union Inc.
ADVANCE – Acme Battery Corp.
ADVANCE – Driver-Harris Co.
ADVANCE RELAYS – Elgin National Watch Co.
ADVENTURER – E.F. Johnson Co.
AECO – American Electric Cable Co.
AEL – American Electronic Labs., Inc.
AERALLOY – Engelhard Industries, Inc.
AEROCOM – Aeronautical Commun. Equip., Inc.
AEROCON – Aerovox Corp.
AEROFLEX – Anchor Industrial Co. Div. of Anchor Plastics Co., Inc.
AEROHEAD – Giannini Controls Corp.
AEROLENE – Aerovox Corp.
AEROLITE – Aerovox Corp.
AEROPAK – Aero Research Instr. Co.
AEROPOT – Aero Electronics Corp.
AERO SEAL – Breeze Corps., Inc.
AEROSOLVE – Cambridge Filter Corp.
AEROTAN – Aerovox Corp.
AEROTRON – Aeronautical Electronics, Inc.
AEROTWEED – Apex Coated Fabrics Co.
AEROVANE – Bendix Aviation Corp.
AFCO FEUTRON – American Felt Co.
AG – Bio-Rad Laboratories
"A" GLASS – Electro-Tech. Prods. Div. Sun Chem. Corp.
AGNATEL – Curtiss - Wright Corp.
AIBANENE – Keuffel & Esser Co.
AIRBRASIVE – White Dental Mfg. Co., S.S.,
AIR-COM – Aeromotive Equipt Co.
AIR DUX – Illumitronic Engineering
AIR INDUCTORS – Barker & Williamson.
AIRLOC – Monadnock Mills Div. United Carr
AIRPOT – Electric Regulator Corp.
AIRTEX – Actioncraft Products
AJUSTOMETER – Consolidated Resistance Co. of Amer. Inc.
AKG – Electronics Applications, Inc.
AKRAOHM – Shallcross Mfg. Co.
ALATHON – E. I. du Pont de Nemours & Co., Inc.
ALCHROME D – Driver Co., Wilbur B.
ALCLAD – Driver Co., Wilbur B.
ALCOA – Aluminum Co. of America
ALECTRA – Consolidated Electrodynamics Corp.
ALERT CALL – Seeley Electronics
ALFENOL – Carpenter Steel Co.
ALFERON – Driver-Harris Co.
ALGCO – Auburn Mfg. Co., The
ALIGN-O-POT – Bourns Inc.
ALINCO – Thomas & Skinner Inc.
ALLEN-HEAD – Allen Mfg. Co.
ALLOYIST – Riverside-Alloy Metal Div.
ALMAG – Alpha Wire Corp.
ALMANOX – Frenchtown Porcelain Co.
ALMET – Riverside-Alloy Metal Div.
ALNISI – Engelhard Industries, Inc.
ALPHATRON – NRC Equipment Corp.
ALPHLEX – Alpha Wire Corp.
ALPO – Standard-Toch Chemicals, Inc.
ALSIMAG – American Lava Corp.
ALTEMP – Alpha Wire Corp.
ALTIMATIC – Air-Marine Motors, Inc.
ALTI-TEMP – Wincharger Corp.
ALTIVAR – Rotron Mfg. Co., Inc.
ALU-FLEX – Auburn Mfg. Co., The
ALUM-A-STIX – Haydon Corp.
ALUMAWELD – Johnson Mfg. Co., Inc.
ALUMEL – Hoskins Mfg. Co.
ALUMIBOND – A Tickle Engrg Wks.
ALUMICORT – A Tickle Engrg Wks.
ALUMON – Enthone, Inc.
ALUMOWELD – Copperweld Steel Co.
ALUNDUM – Norton Co.
ALUZOOM – JFD Electronics Corp.
ALWAC – El-Tronics, Inc.
A-M – AKRO Mils, Inc.
AMAIRCELL – American Electric Cable Co.
AMBIRITE – Micamold Electronics Mfg. Corp.
AMBRALOY – Anaconda Amer. Brass Co.
AMBRAZE – American Brazing Alloys Corp.
AMBRONZE – Anaconda Amer. Brass Co.
AMCI – Alford Mfg. Co.
AMCO – American Solder & Flux Co.
AMCO – Applied Magnetics Corp.
AMECO – American Electronics Co.
AMERAP – American Electric Cable Co.
AMERAP-D – American Electric Cable Co.
AMERBESTOS – U. S. Steel Corp.
AMER-DIAL – Amerac, Inc.
AMERFINE – U. S. Steel Corp.
AMERGLASS – U. S. Steel Corp.
AMERICAN BEAUTY – American Electrical Heater
AMERICAN BELL – Allied Radio Corp.
AMERITE – U. S. Steel Corp.
AMEROXIDE – U. S. Steel Corp.
AMERPLASTIC – American Electric Cable Co.
AMERPRENE – U. S. Steel Corp.
AMERSHIELD – American Electric Cable Co.
AMERSIL – Engelhard Industries, Inc.
AMERTRAN – Radio Engineering Labs., Inc.
AMERTRAN – Standard Electronics Div. of Reeves Inst. Corp.
AMES – Saxton Products, Inc.
AMETRON – Streeter-Amet Co.
AMFAB – Amflex Products Dept. AMF
AMFICON – American Mach. & Foundry Co.
AMFLITE – American Mach. & Foundry Co.
AMFOIL – Amflex Products Dept. AMF
AMINO – Phoenix Precision Instrument Co.
AMPACET – American Molding Powder & Chemical
AMPEC – Centralab Electronics Div., of Globe-Union, Inc.
AMPLET – Consolidated Controls Corp.
AMPLISOLVER – American Electronics Inc.
AMPLI-SPEED – Electric Machinery Co.
AMPLITRAN – Ferrotran Electronics Co. Inc.
AMPLITROL – Thermo Electric Mfg. Co.
AMPLIVOX – Rye Sound Corp.
AMPOLENE – U. S. Steel Corp.
AMP-PAX – Electric Machinery Mfg. Co.
AMPROBE – Pyramid Instrument Corp.
AMPYROL – U. S. Steel Corp.
AMSTAT – American Electronics Co.
AMVAR – U. S. Steel Corp.
ANADAC – Canadian Applied Research Ltd.
ANCHOR – Antronic Corp.
ANCHOR – Edmund Scientific Co.
ANCHOR BRAND – North & Judd Mfg. Co.
ANCORENE – Anchor Industrial Co., Div. of Anchor Plastics Co., Inc.
ANDEROMETER – Micrometrical Mfg., Co.
ANDI – Antenna Designs Inc.
ANTALON – Green Rectifier Co.
ANTENNEX – Clear Beam Antenna Co.
ANTIOCH – Bean & Co., Morris.
ANTRAN – Internat'l. Electronics Mfg. Co.
APCOR – Actuator Products Div., Geartronics Corp.
APELCO – Applied Electronics Co., Inc.
API – Assembly Products, Inc.
APOLLO – U. S. Steel Corp.
APPCO – Atlas Precision Products Co.
APTI – Transistor Specialties Inc.
AQUADAG – Acheson Colloids Co., Div. Acheson Industries, Inc.
AQUAFLEX – Engelhard Industries, Inc.
AQUASEAL – General Cable Corp.
AQUASTOP – Protective Coatings Corp.
AQUATHENE – General Cable Corp.
AQUAVOX – Winston Electronics
A. R. – Mallinckrodt Chemical Works
ARALDITE – Ciba Products Corp.
ARBEIT d-v-a – Industrial Development Labs., Inc.
ARCO – Rosenberg Bros.
ARDENTE – British Radio Electronics, Ltd.
ARGUS – Sylvania Electric Prods. Inc.
ARISTO – Optical Gaging Products, Inc.
ARISTOCOM – Translite Electronics Corp.
ARITEMP – Aries Laboratories Inc.
ARMALON – E. I. du Pont de Nemours & Co., Inc.
ARMALOY – Armstrong Bros. Tool Co.
ARMATURO – Johns-Manville
ARMCORP – American Research & Mfg. Corp.
ARMIDE – Armstrong Bros. Tool Co.
ARMORLOKT – U. S. Steel Corp.
ARRO CORE – Arro Expansion Bolt Co.
ARROFLUTE – Arro Expansion Bolt Co.
ARTAR – Goerz American Optical Co., C. P.
ARTISAN ORGANS – Electronic Organ Arts, Inc.
ASBESTOMENT – Johns-Manville.
ASBESTOS EBONY – Johns-Manville.
ASCO – Automatic Switch Co.
ASCOR – American Speedlight Corp.
ASCORLIGHT – American Speedlight Corp.
ASCORLUX – American Speedlight Corp.
ASENCO – Associated Engrg. & Mfg. Corp.
ASP – All Star Products, Inc.
ASTRA – Lear, Inc.
ASTROMATIC – Control Switch Div., Controls Co. of Amer.
ATCOTRAN – Automatic Timing & Controls Inc.
ATCOTRONIC – Automatic Timing & Controls Inc.
AT & EC – Arco Transformer & Elec. Corp.
ATOMS – Sprague Electric Co.
ATR – American Television & Radio Co.
AUBESTON – Auburn Mfg. Co., The
AUDIO BATON – Blonder-Tongue Laboratories,
AUDIO/CLOCK – Fourjay Industries
AUDIODISCS – Audio Devices, Inc.

AUDIODYNE – Dynaco, Inc.
AUDIOFILM – Audio Devices, Inc.
AUDIOHAILER – Audio Equipment Co., Inc.
AUDIOLATOR – Kay Electric Co.
AUDIO-LITIES – Soundolier, Inc.
AUDIOM – Goodmans Industries Ltd.
AUDIOPOINTS – Audio Devices, Inc.
AUDIO RESPONSE PLOTTER – Southwestern Ind. Electronics Co.
AUDIOSCOPE – Audio-Master Corp.
AUDIOTAPE – Audio Devices, Inc.
AUDIOTON – Audio-Master Corp.
AUDIOTRAN – Ferrotran Electronics Co. Inc.
AUDIOTRONIX – Audio Electronics Corp.
AUDITORIUM – Jensen Mfg. Co.
AUDOGRAPH – Gray Mfg. Co.
AUD-O-GRIL – Parkway Specialities Co.
AURICON – Bach Auricon, Inc.
AUROSAL – Engelhard Industries, Inc.
AUTEX – Flight Research, Inc.
AUTO-BRIDGE – Industrial Instruments Inc.
AUTOCON – Sprague Electric Co.
AUTOFAX – Franklin Electronics
AUTOFLEX-TM – Engelhard Industries, Inc.
AUTOGRAF – Moseley Co., F. L.
AUTOLITE – Electric Autolite Co.
AUTOLLIZER – North Electric Co.
AUTOPOSITIONER – Collins Radio Co.
AUTOPOT – Daystrom, Inc.
AUTOREF – Thermo Electric Co.
AUTOREG – C & D Batteries, Div. of the Electric Autolite Co.
AUTOSYN – Bendix Aviation Corp.
AUTOTAK – B & H Instrument Co.
AUTOTEMP – B & H Instrument Co.
AUTOTUNE – Collins Radio Co.
AUTOTUTOR – Western Designs Div. U. S. Industries, Inc.
AUTO-VOX – Kay Electric Co.
AUTRONEX – Sel-Rex Corp.
A.V.C. – Rockbestos Wire & Cable Co.
AVCOMB – Avco Corp.
AVIALITE – Anaconda Amer. Brass Co.
AVIKRIMP – ETC Incorporated
AWM-200 – Radix Wire Co.
AXIETTE – Goodmans Industries, Ltd.
AXIMAX – Rotron Mfg. Co., Inc.
AXIOHM – Ward Leonard Electric Co.
AXIOM – Goodmans Industries Ltd.
AXIVANE – Joy Mfg. Co.
A-Z – Plastic Wire & Cable Corp.

BABY COM – Fanon Electronic Ind., Inc.
BAKELITE – Union Carbide Corp.
BAKER ANALYZED – Baker Chemical Co., J. T.,
BALCAP – Balco Research Labs.
BALCO – Driver Co., Wilbur B.
BALINE – JFD Electronics Corp.
BALLAST – Driver Co., Wilbur B.
BALLASTRON – Aerovox Corp.
BALLERINA – Newcomb Audio Products Co.
BALTOGRAPH – Balteau Electric Corp.
BALTOSPOT – Balteau Electric Corp.
BANC-LOK – Boots Aircraft Nut Corp.
B & J – Burke & James, Inc.
BANDMASTER – Harvey Wells Electronics Inc.
BANDSPANNER – Webster Mfg.
BANSHEE – JFD Electronics Corp.
BANTAM – Aerovox Corp.
BANTAM – American Rectifier Corp.
BANTAM – Barnstead Still & Sterilizer Co.
BANTAM – Burndy Corp.
BANTAM – Small Motors, Inc.
BANTAM GT – CBS Electronics
BANTAM JR. – CBS Electronics
BAR-CO – Barium & Chemicals, Inc.
BAREX – King Laboratories, Inc.
BARODYNE – U.S. Science Corp.
BAROHM – Ward Leonard Electric Co.
BARRATRON – Litton Industries
BARRYMOUNT – Barry Controls, Inc.
BARTITE – Barwood Mfg. Co., Inc., L. J.
BASEBALL – Antenna Specialties Co.
BASGO – UBS Chemical Co.
BASS-SUPERFLEX – Jensen Mfg. Co.
BASS-ULTRAFLEX – Jensen Mfg. Co.
BAT – Lavoie Laboratories, Inc.
BATCHMASTER – Howe Scale Co.

BATHE-RITE – Milwaukee Stamping
BATTERY SCOPE – Christie Electric Corp.
BAYFLEX – Bay State Abrasive Products Co.
BAYSHORE – Munston Electronic Mfg. Corp.
BB-1000 – Birnbach Radio Co. Inc.
BBB – Becker Brothers Carbon Co.
BD – Beede Electrical Instr. Co., Inc.
BEACON – Esso Standard, Div. of Humble Oil & Refining Co.
BEAMATRON – High Vacuum Equipment Corp.
BEAMED POWER ARRAYS – Telrex, Inc.
BEAM-X – Burroughs Corp.
BEAU-MYTE – Bomyte Co.
BECKAMINE – Reichhold Chemicals, Inc.
BECK CIRCUITRY – Beck's Inc.
BECK PROCESS – Beck's, Inc.
BEETLE – American Cynamid Co.
BELCAP – Sprague Electric Co.
BELIMITER – Bel Fuse, Inc.
"BELLOWFORM" – Continental Connector Corp.
BELTROL – Cook Electric Co.
BENELEX – Masonite Corp.
BENFLEX – Scintilla Div., Bendix Aviation Corp.
BEN-HAR 1151, and Ben-Har 1258 – Bentley-Harris Mfg. Co.
BENSEAL – Scintilla Div., Bendix Aviation Corp.
BERALOY – Driver Co., Wilbur B.
BERLOX – National Beryllia Corp.
BERNOUILLI DISK – Lab. for Electronics, Inc.
BETA – Electrovert, Inc.
BETAMETER – Curtiss - Wright Corp.
BEYER – Gotham Audio Corp.
BEYSCHLAG – Wells Co., Inc, Gary
BI-FI – Fedtro Inc.
BIFILAK – Andrew Corp.
BIG BERTHA – Telrex, Inc.
BIG JACK – Radio Merchandise Sales, Inc.
BIG JACK – Kay Towns Antenna Co.
BI-GLAS – Electro-Tech. Prods. Div. Sun Chem.
BIG SHOT – Radio Merchandise Sales, Inc.
BI-LASTIC – Electro-Tech. Prods. Div. Sun Chem.
BILUXOR – Par Products Corp.
BIMORPH – Clevite Electronics Components Div.
BINDAK – Apeco Amer. Photocopy Equip. Co.
BINET – E.F. Johnson Co.
BIO-REX – Bio-Rad Laboratories
BIRACO – Birnbach Radio Co. Inc.
BIRFLEX – Birnbach Radio Co., Inc.
BIRFLENE – Birnbach Radio Co., Inc.
BIRFLON – Birnbach Radio Co. Inc.
BIRNTEX – Birnbach Radio Co., Inc.
BI-SEAL – Bishop Mfg. Corp.
BLACK BEAUTY – Sprague Electric Co.
BLACKTEX – Krengel Mfg. Co., Inc.
BLAK-RAY – Ultra-Violet Products, Inc.
BLAK-RAY – Blacklight Corp. of America
BLAST – Narda Ultrasonics Corp.
BLASTCORDER – Geotechnical Corp.
BLENDMASTER – Hull Corp.
B6-LIBRARY OF SOUND – Audio Master Corp.
BLU-CAP – Fansteel Metallurgical Corp.
BLUE DIAMOND – Pioneer Gen-E-Motor Co.
BLUE FLASH – Bay State Abrasive Products Co.
BLUE JACKET – Sprague Electric Co.
BLUE POINT – Astron Corp.
BLU-RED – Associated American Winding Machy.
BLUE TOP – Revere Corp. of America
BOARDMASTER – Universal Drafting Machine Corp.
BOBBIN GOBBLER – Crown Tool, Inc.
BOGUE – Radio Development & Research Corp.
BOLERO – Beltone Hearing Aid Co.
BONDED SHIELD – Sylvania Electric Prods. Inc.
BONDEZE – Phelps Dodge Copper Products Corp.
BONDMASTER – Rubber & Asbestos Corp.
BONORITE – UBS Chemical Co.
BOOTSTRAP – Sanders Associates Inc.
BOR-AL-SIL – Richard H. Bird, Co.
BORO-CARBOFILM – Aerovox Corp.
BOROFILM – Aerovox Corp.
BOSCAR – Benson-Lehner Corp.
BOSTICK – Lockheed Electronics Co.,
BOSTIK – United Shoe Machinery Corp.
BOW-FLECTOR – JFD Electronics Corp.
BOSS – Huenefield Co.
BOY-MAR – Electrical Service Co.
BRALOY – Brainin Corp., C. S.
BRAND FIVE – Ferrodynamics Corp.
BRAZALOY – All-State Welding Alloys Co., Inc.
BRICE – Phoenix Precision Instrument Co.

BRITECARB – Driver Co., Wilbur B.
BROADBAND – Racon Electric Co.
BROADBAND – Topatron, Inc.
BROWN BOVERI – State Labs.
BRUEL & KJAER – B & K Instruments, Inc.
BRUSH – Clevite Electronics Components Div.
BTR – Lord Mfg. Co.
BULPLATE – Sprague Electric Co.
BUTTON – Erie Resistor Corp.
B&W – Barker & Williamson.
BYRILLIATITE – Engelhard Industries, Inc.

C-8 – G-V Controls, Inc.
CABLE-LOC – Monadnock Mills Div. United Carr
CADET – Linemaster Switch Corp.
CADPAC – American-Monarch Corp.
CAE – Canadian Aviation Electronics Ltd.
CALIDO – Driver-Harris Co.
CALIFILM – Shamban & Co., W.S.
CALIFONE – Rheem Califone Corp.
CALI-MARKER – Electronic Tube Corp.
CALL-IDENT – Pennwood Numechron Co.
CALLMASTER – Lyman Electronic Corp.
CALSUN BRONZE – Anaconda Amer. Brass Co.
CALTROL – Caltron Products Co.
CAMALCO – Curry Arts
CAMBION – Cambridge Thermionic Corp.
CAMBRICOID – American Electric Cable Co.
CAMERA-SYNC – Chadwick Helmuth Co.
CAM-VAR – Electro-Tech. Prods. Div. Sun Chem.
CANEX – Canadian Research Institute
CANOU I – Franklin Electronics
CANSEALS – Cannon Electric Co.
CAPADYNE – Mullenbach Div. Electric Mach. Mfg.
CAPASWITCH – Mullenbach Div. Electric Mach. Mfg. Co.
CAPSIL – General Instrument Corp.
CARBOFILM – Aerovox Corp.
CARBOLON – Bourns, Inc.
CARBOMITE – Continental-Wirt Electronics Co.
CARBOMOLD – Aerovox Corp.
CAR CALL – Seeley Electronics
CARDIOVEC – Par Products Corp.
CARDOLITE – Minnesota Mining & Mfg. Co.,
CAREER – Ampro Corp.
CARILLON – Bell Sound Div., Thompson Ramo Wooldridge Inc.
CARILLON – Beltone Hearing Aid Co.
CARILLOY – U. S. Steel Corp.
CARL MEYER – Burke & James, Inc.
CARNEGIE – U. S. Steel Corp.
CARY – Applied Physics Corp.
CASCODE – JFD Electronics Corp.
CATHALOY – Superior Tube Co.
CATRIJ-DRY – Pyramid Electric Co.
CCC – Alpha Metals, Inc.
CCM – Meredith & Co., Ltd., C.C.
CDM – Curtis Development & Mfg. Co.
CEC – Consolidated Electrodynamics Corp.
CEDAC – Barber-Coleman Co.
CEECO – Communication Eqpt. & Engrg.
CELAB – Clark Electronic Labs.
CELERON – Continental-Diamond Fibre Corp.
CELLEX – Bio-Rad Laboratories
CENCO HYPERVAC – Central Scientific Co.
CENCO HYVAC – Central Scientific Co.
CENCO MEGAVAC – Central Scientific Co.
CENTILATOR – Kay Electric Co.
CENTRE-KOOLED – Sarkes Tarzian, Inc.
CEN-TRI-CORE – Alpha Metals, Inc.
CENTRICORES – Magnetic Metal Co.
CERAFIL – Aerovox Corp.
CER ALLOY 400 – Cerium Metals & Alloy Div.
CERA-LYTIC – Sprague Electric Co.
CERAMAG – Stackpole Carbon Co.
CERAMAGNET – Stackpole Carbon Co.
CERAMI CIRCUIT – Photocircuits Corp.
CERAMICITE – Consolidated Electrodynamics
CERAMICON – Erie Resistor Corp.
CERAMIKITS – Sprague Electric Co.
CERAMISTOR – Gulton Industries, Inc.
CERA-MITE – Sprague Electric Co.
CERAMO – Thermo Electric Co.
CERATROLS – CTS Corporation
CERMAC – Shaw Instrument Corp.
CEROC – Sprague Electric Co.
CEROD – Sprague Electric Co.
CEROL – Aerovox Corp.

CERON – Sprague Electric Co.
CERROBASE – Cerro de Pasco Sales Corp.
CERROBEND – Cerro de Pasco Sales Corp.
CERROCAST – Cerro de Pasco Sales Corp.
CERROLOW – Cerro de Pasco Sales Corp.
CERROMATRIX – Cerro de Pasco Sales Corp.
CERROSAFE – Cerro de Pasco Sales Corp.
CERROSEAL – Cerro de Pasco Sales Corp.
CERROTRU – Cerro de Pasco Sales Corp.
CERTAIN CURTAIN – Hayes, Inc., C.I.
CHAIN MATE – Radix Wire Co.
CHALLENGER – Channel Master Co.
CHALLENGER – E.F. Johnson Co.
CHAMP – Ten Bosch, Inc., M.
CHAMPION – Channel Master Co.
CHANGE-A-CYCLE – Carter Motor Co.
CHANGE-A-VOLT – Carter Motor Co.
CHARACTRON – Stromberg-Carlson
CHASSIS TRAK – Western Devices, Inc.
CHEMELEC – Garlock Electronic Products
CHEMFLUOR – Chemplast, Inc.
CHEMIGUM – Goodyear Tire & Rubber Co.
CHEMINAX – Raychem Corp.
CHEMIPIPE – Ethylene Corp.
CHEM-O-SOL – Chemical Products Corp.
CHEMWARE – Chemplast, Inc.
CHESTERFLEX PLASTICURL – Chester Cable
CHESTERFLUR – Chester Cable Corp.
CHEVRONS – Everard Tap & Die Corp.
CHILCO – Chicago Miniature Lamp Works.
CHI-TRAN – Chicago Standard Transformer Corp.
CHLOROTHENE – Dow Chemical Co.
CHLOR-TERGENT – Oakite Products Inc.
CHOPPERETTE – Victory Engineering Corp.
CHROMABAR – Kay Electric Co.
CHROMADOT – Kay Electric Co.
CHROMALOX – Wiegand Co., Edwin L.
CHROMAT-O-SCAN – Black Light Products, Inc.
CHROMAX – Driver-Harris Co.
CHROMEL – Hoskins Mfg. Co.
CHROMIC – Riverside-Alloy Metal Div.
CHROMICOAT – Oakite Products Inc.
CHROMOLYTIC – Micamold Electronics Mfg. Corp.
CHROMOMAX – Leeds & Northrup Co.,
CHRONISTAT – Bergen Laboratories Inc.
CHRONISTOR – Bergen Laboratories Inc.
CHRONOHM – Red Bank Div. Bendix Aviation Corp.
CHRONOTRON – Red Bank Div. Bendix Aviation
CIMET – Driver-Harris
CINTEL – Rank Cintel Ltd.
CIRCLE B – Bristol Motor Div. Vocaline Co. of Amer. Inc.
CIRCLE ESS – Stewart Corp., F.W.
CIRCON – Universal Circuit Controls
CIRCONTROL – Universal Circuit Controls
CIRCOSONIC – Circo Ultrasonic Corp.
CIRCUITRACER – Desco Mfg Co.
CIRFLEX-TM – Engelhard Industries, Inc.
CITI-FUNE – Multi-Products Co.
C-LAB – Clark Electronic Labs.
CLAMP LOCK – Simmons Fastener Corp.
CLAREED – Clare & Co., C.P.,
CLASSIC – Carter Motor Co.
CLASSIC – Newcomb Audio Products Co.
CLASSMASTER – Nuclear Chicago Corporation
CLEAR AIR – Radio Merchandise Sales, Inc.
CLETALOY – Superior Carbon Products Co.
CLIMASTER – Clegg Laboratories
CLIMATITE – Triad Transformers Corp.
CLIMATOR – BTU Engineering Corp.
CLIMAX – Driver-Harris Co.
CLIPPER – Johns-Manville.
CLIPPER – Linemaster Switch Corp.
CLIPPER SERIES – Sterling Transformer Corp.
CLORINOL – Sprague Electric Co.
CLOUDMASTER – Nuclear Chicago Corporation
CMS – Shamban & Co., W.S.
COAXAGUIDE – Litton Industries
COAXITUBE – Precision Tube Co., Inc.
COAX-O-MATIC – Tennalab.
COAXWITCH – Bird Electronic Corp.
COBANIC – Driver Co., Wilbur B.
COBREFLEX – University Loud Speakers, Inc.
COBRID – Sage Laboratories, Inc.
CODUR – Maas & Waldstein Co.
COFLEX-TM – Engelhard Industries, Inc.
COHRLASTIC – Connecticut Hard Rubber Co.
COILTENNA – Electrend Products Corp.
COINDA-SCOPE – Pioneer Industries, Div. of Almar-York Co., Inc.

COLARBAR – Century Electronics & Instruments
COLORATURA – Newcomb Audio Products Co.
COLORBEAM – Tennalab.
COLOR CORD – Pacific Electricord Co.
COLOR-EYE – Instrument Development Labs., Inc.
COLOR KEYED – Thomas & Betts Co., Inc.
COLOR KING – Channel Master Co.
COLOR-PLAST – General Gaskets, Inc.
COLORTENNAS – JFD Electronics Corp.
COLUMBIA CD – CBS Electronics
COLVERN – British Radio Electronics, Ltd.
COMCO – Communications Co.
COMET – Antronic Corp.
COMET – Driver-Harris Co.
COM-ETTE – Webster Electric Co.
COMINCO – Consolidated Mng. & Smltg. Can-Ltd.
COMMERCIAL – Trimm, Inc.
COMMUNICATOR – Litton Industries
CO-MO-TROL – Weltronic Co.
COMPACT – Linemaster Switch Corp.
COM-PAK – Lambda Electronic Corp.
COMPANION-TRIP – Heinemann Electric Co.
COMPATIBLE SSB – Kahn Research Labs Inc.
COMPENTROL – Centralab Electronics Div. of Globe-Union, Inc.
COMPOSIPIX – Litton Industries
COMVIRONMENTS – Stellardyne Labs., Inc.
CONALERT – Kaar Engineering Corp.
CON AVIONICS – Consolidated Aironics, Inc.
CONCERT – Jensen Mfg. Co.
CONCERT-DISC – Concertapes, Inc.
CONCERTO – Jensen Mfg. Co.
CONCERTONE – American Electronics Inc.
CONDEC – Consolidated Diesel Electric Corp.
CONDENSIFILTER – Hankinson Corp.
CON DIESEL – Consolidated Diesel Electric Corp.
CONDOR – Raybestos-Manhattan Inc.
CONDUCT-A-COAT – Etchomatic, Inc.
CO-NETIC – Magnetic Shield Div., Perfection Mica Co.
CONFESSIONAIRE – Audio Equipment Co., Inc.
CONFIDENCER – Roanwell Corp.
CONHEX – Sealectro Corp.
CONNECTICUT – Stueck, Inc., W, Whitney.
CONNECTRONICS – Gremar Mfg. Co., Inc.
CONOLON – Narmco Materials Div.
CONSOLETTE – Ampro Corp.
CONSTAVAC – Green Rectifier Co.
CONTEMPORARY – Jensen Mfg. Co.
CONTOUR TRENTWELD – Trent Tube Co.
CONTROL-A-MATIC – Rockwell Engineering Co.
CONTROLARC – Vickers, Inc.
CONTROL-A-SOUND – Fedtro Inc.
CONTROLA-TONE – Continental Manufacturing
CONVERS-O-CALL – Adrafters
CONVEYCO – Howe Scale Co.
COOPER – Standard Pressed Steel Co.
COPAC – Thermocal Div.
COPACO – Cottrell Paper Co., Inc.
COPEL – Hoskins Mfg. Co.
COPPER HEAD – Chicago Expansion Bolt Co.
COPPEROID D – MacDermid Corp.
COPPERWELD – Crown Metal Products
CORUNDA – Geoscience Instruments Inc.
CORWICO – Cornish Wire Co.
COSTUMADE – Ohio Seamless Tube Div. Copperweld Steel Co.
COUNTERPOISE – Cook Electric Co.
COUPLATE – Centralab Electronics Div. of Globe-Union, Inc.
COURIER – E.F. Johnson Co.
COVANDUR – Carpenter Steel Co.
CP 15 – Kleer Vue Mfg. Co.
CP 10 – Kleer Vue Mfg. Co.
CPC – Commercial Plastics Co.
CR-39 – Cast Optics Corp.
CRAFTSCOPE – Waterman Products Inc.
CRAF-TYPE – Craftint Mfg. Co.
CRAMOLIN – Craig Laboratories.
CRESCENT – Waldes Kohinoor, Inc.
CREST – Arlo Electronics Corp.
CRESTBRITE – Crest Transformer Corp.
CRESTRAN – Crest Transformer Corp.
CRESTROL – Crest Transformer Corp.
CRIMPEE – Cannon Electric Co.
CRITERION – Canadian Research Institute
CRL – Centralab Electronics Div. of Globe-Union,
CRO ART – Croname, Inc.
CROFLEX – Croname, Inc.
CROLOY – Babcock & Wilcox

DEECEEDUCER – Solid State Electronics Co.
DEEP-CUT – Krengel Mfg. Co., Inc.
DEFIANCE – All Star Products, Inc.
DEHYDRAFILTER – Hankinson Corp.
DEKABOX – Electro Scientific Industries Inc.
DEKADIAL – Electro Scientific Industries Inc.
DEKAPACITOR – Electro Scientific Industries Inc.
DEK-A-PLUG – Consolidated Resistance Co., of America
DEKAPOT – Electro Scientific Industries Inc.
DEKASTAT – Electro Scientific Industries Inc.
DEKATRON – Baird-Atomic, Inc.
DEKAVIDER – Electro Scientific Industries Inc.
DELAY LINE FLATS – Columbia Technical Corp.
DELEFORM – Delevan Electronics Corp.
DELPARK – Commercial Filtors Corp.
DELTA-COUPLE – Advanced Technology Labs.
DELTAMAX – Arnold Engineering Co.
DELTAPLY – Dearborn Electronic Labs., Inc.
DELTASWITCH – Advanced Technology Labs.
DELUXE – Linemaster Switch Corp.
DENSICHRON – Welch Scientific Co., W. M.
DENSITE – West Virginia Pulp & Paper Co.
DENSITROL – Precision Thermometer & Instrument
DEOXO – Engelhard Industries, Inc.
DEOXO FLUX – Engelhard Industries, Inc.
DEPENDABLE – Trimm, Inc.
DERMITRON – Unit Process Assemblies, Inc.
DESKFAX – Western Union Telegraph Co.
DESK-TOPPER – Universal Drafting Machine Corp.
DE-STA-CO – Detroit Stamping Co.
DETECT-A-FIRE – Fenwal Incorporated.
DETON – Internat'l. Electronics Labs GMBH
DEVELCO – Developmental Electronics Corp.
DEVELCO – Development Engineering Co., Inc.
DEVELOCORDER – Geotechnical Corp.
DEVOSEAL – Devon Tape Corp.
DFI CLEVELAND – Designers for Industry
DIAGNOSTIX – Comet Co.
DIAGNYZER – Apparatus Development Co., Inc.
DIAL-A-GAIN – Unholtz – Dickie Corp.
DIALAMATIC – JFD Electronics Corp.
DIALCO – Dialight Corp.
DIALGLO – Ackerman Engravers, Inc.
DIALL – Mesa Plastics Co.
DIAL SAW – Erwood, Inc.
DIALTROL – Jordon Controls, Inc.
DIAL-X – Stromberg-Carlson
DIAMALLOY – Diamond Tool & Horseshoe Co.
DIAMOND – Continental-Diamond Fibre Corp.
DIAMOND H – Hart Mfg. Co.
DIARON – Reichhold Chemicals, Inc.
DICLAD – Continental-Diamond Fibre Corp.
DICO – Diamond Antenna & Microwave Corp.
DIEFLEX – Insulation Manufacturers Corp.
DIFF – Phoenix Precision Instrument Co.
DIFFAXIAL – University Loudspeakers, Inc.
DIFFUSICONE – University Loudspeakers, Inc.
DIFILM – Sprague Electric Co.
DIGI-CHRON – Delta – F, Inc.
DIGICON – Digitran Co.
DIGIDUCER – Edcliff Instruments
DIGIMATIC – Stromberg-Carlson
DIGIPAC – Dynamic Controls Co.
DIGI-PAK – Telemeter Magnetic's Inc.
DIGIPOT – Digitran Co.
DIGIPRINTER – Moran Instrument Corp.
DIGISWITCH – Digitran Co.
DIGISYN – Adcon Div. Wayne-George
DIGITALLY – Digitran Co.
DIGITAPE – Benson-Lehner Corp.
DIGITIZER – Coleman Electronics. Inc.
DIGITOMETER – Electro Mec Lab., Inc.
DIGITOTE – Digitran Co.
DIGITROL – Electro Precision Corp.
DIGITRONIC – Weltronic Co.
DILECTO – Continental-Diamond Fibre Corp.
DILECTO – Budd Co.
DIMENSI-FONES – Permoflux Products Co.
DIONIC – Evershed & Vignoles Ltd.
DIP-PAK – Fidelity Chemical Products Corp.
DIRECTOR – Apeco Amer. Photocopy Equip. Co.
DIRECTRONIC – Snyder Mfg Co.
DIRECTRON – Sanford Miller Co.
DISCOHM – Ward Leonard Electric Co.
DISPENSARACK – Alpha Wire Corp.
DI-T – United Transformer Corp.
DIVATEL – Westrex Corp.
DIVATEL – Litton Industries
DIVERITRON – Technical Appliance Corp.

CROMESH – Croname, Inc.
CROMIN D – Driver Co., Wilbur B.
CRONAME – Waldom Electronics Inc.
CROPP – El-Tronics, Inc.
CROROTO – Croname, Inc.
CROVALON – Croname, Inc.
CROWE – Croname, Inc.
CROWEAVE – Croname, Inc.
CROWELD – Croname, Inc.
CRYSCOAT – Oakite Products Inc.
CRYSTAL AIR – Radio Merchandise Sales, Inc.
CRYSTOLON – Norton Co.
CTS – Chicago Telephone of Calif.
CTS – Meredith & Co., Ltd., C. C.
CUB HAILER – Audio Equipment Co., Inc.
CUCLAD – Mica Insulator Div. of MMM
CUEMASTER – Rheem Califone Corp.
CUFLEX – Mica Insulator Div. of MMM
CUPROCHROME – Driver Co., Wilbur B.
CUPRON – Driver Co., Wilbur B.
CURRENT GOVERNOR – North Hills Electric Co.,
CURSOLV – Curtiss - Wright Corp.
CUSTOMODE – Jensen Mfg. Co.
CY-AN-IN – Indium Corp. of America
CYANINE – Burke & James, Inc.
CYCLEMAG – Acromag Inc.
CYCLONOME – Sigma Instruments, Inc.
CYNO-GLAS – Electro-Tech. Prods. Div. Sun Chem.

D-855 – Dyna-Empire, Inc.
D-873 – Dyna-Empire, Inc.
D-315 – Dyna-Empire, Inc.
DADIT – Daystrom Inc.
DAG – Acheson Colloids Co., Div. Acheson Industries, Inc.
DAGLAS – Phelps Dodge Copper Products Corp.
DAGOR – Goerz American Optical Co., C. P.
DAISY – Huck Mfg. Co.
DAKAWARE – Davies Molding Co., Harry,
DALIC – Sifco Metachemical, Inc.
DALMOTRON – Talkmaster Inc.
DALOHM – Dale Products, Inc.
DANAVOX – Rye Sound Corp.
DANDEE – Aerovox Corp.
DANDUX – Daniels Inc., C.R.
DANTEX – Daniels Inc., C.R.
DANZIP – Daniels Inc., C.R.
DAP – Bendix Semiconductor Products
DAP – Red Bank Div. Bendix Aviation Corp.
DAPON – Food Machinery & Chemical Corp., - Chemicals & Plastics Div.
DATA BLOC – Harvey Wells Electronics, Inc.
DATAFLASH – Consolidated Electrodynamics
DATAGRAPH – Consolidated Electrodynamics
DATALAB – Consolidated Electrodynamics Corp.
DATA-LINE – Hanson-Gorrill-Brian
DATA-LINER – Hanson-Gorrill-Brian
DATALITES – Dialight Corp.
DATA-MASTER – Hanson-Gorrill-Brian
DATA MATRIX – Dialight Corp.
DATA PAC – Harvey-Wells Electronics, Inc.
DATAPLOTTER – Electronic Associates Inc.
DATARITE – Consolidated Electrodynamics Corp.
DATA STRIP – Dialight Corp.
DATASYNC – Bach Auricon, Inc.
DATATAPE – Consolidated Electrodynamics Corp.
DATATEL – Lenkurt Electric Co., Inc.
DATA-VISION – Dage Television Div.
DATEC – Stone Labs. Inc.
DATICO – Northrop Corp.
DATRANYST – Northeast Electronics Corp.
DAVENOIL – Daven Co.
DAVOHM – Daven Co.
DAZIC – Winterburn Mfg. Co.
DC – Dinion Coil Co., Inc.
DC – Daubert Chemical Co.
DC PAK – Red Bank Div. Bendix Aviation Corp.
DE ARMOND – Rowe Industries.
DEC – Digital Equipment Corp.
DECADIAL – Kilo Engineering Co.
DECALATOR – Decade Instrument Co.
DECASOL – Decimeter Prods. Co.
DECA-SWEEP – Decade Instrument Co.
DECAVIDER – Decade Instrument Co.
DE CE DUCER – Edcliff Instruments
DECI – Dwyer Engrg. Co. Inc.
DECOHM – Davis Electric Co.

DJECO – Djordjevic Engrg. Co.
d/M-GAUGE – Nuclear Chicago Corporation
DOBRO – Valco Mfg. Co.
DOC ALLOYS KIT – All-State Welding Alloys Co., Inc.
DOGBONE – Engelhard Industries, Inc.
DOMINO – Sprague Electric Co.
DOR GAR D – Kinematic Systems
DOT – Carr Fastener Co.
DOT – Ucinite Co., Div., United-Carr
DO-T – United Transformer Corp.
DOUBLE TALK – Radio Merchandise Sales Inc.
DOUBLEX – Johns-Manville.
DRI-STAT – Peerless Photo Products, Inc.
DRIVE-PAK – Telemeter Magnetic's Inc.
DRYCID – Oakite Products Inc.
DRYGALV – American Solder & Flux Co.
DUAL-DELTA – Tennalab
DUAL LOCK – Simmons Fastener Corp.
DUAL REMOTE – Fedtro Inc.
DUALTRONIC – Goldak Co., Inc.
DUAX – Jensen Mfg. Co.
DUCKVAR – Electro-Tech. Prods. Div. Sun Chem.
DUCO – E. I. du Pont de Nemours & Co., Inc.
DUCTER – Evershed & Vignoles Ltd.
DUCTRAK – Western Devices, Inc.
DUETTE – Jensen Mfg. Co.
DULAC – Maas & Waldstein Co.
DULUX – E. I. du Pont de Nemours & Co., Inc.
DU MONT – Emerson Radio & Phonograph Corp.
DUNCO – Struthers-Dunn, Inc.
DUOCARB – Driver Co., Wilbur B.
DUODIAL – Helipot Div. Beckman Instruments, Inc.
DUOGASKET – Technical Wire Products, Inc.
DUO-SEAL – Welch Scientific Co., W. M.
DUOSTRIP – Technical Wire Products, Inc.
DUO-THERM – E.V. Hill & Co.
DUO-VOLT – Carter Motor Co.
DUPLICAN – Canadian Raduim & Uranuim Corp.
DURACHEM – Maas & Waldstein Co.
DURACRIL – Maas & Waldstein Co.
DURACUT – Bay State Abrasive Products Co.
DURAFLEX – Anaconda Amer. Brass Co.
DURAFLEX – Co-Operative Industries, Inc.
DURAFLEX-TM – Engelhard Industries, Inc.
DURALAR – Duralith Corp.
DURAMEG – Sprague Electric Co.
DURANITE – Aerovox Corp.
DURANYL – Duralith Corp.
DURASLEEVE – General Plastics Corp.
DURASYL – Bentley-Harris Mfg., Co.
DURAVIN – Whitaker Cable Corp.
DUROGLASS – Chicago Dial Co.
DURO-VAC PROCESS – Glasseal Products Co.,
DUSTRONIC – Radex Corp.
DUTCHBRAND – Johns-Manville.
DUXSEAL – Johns-Manville.
DUZALL – All-State Welding Alloys Co., Inc.
DYKOR – Digitronics Corp.
DYMOGRAPH – Annis Co., R. B.
DYNACON – Nuclear Chicago Corporation
DYNACOR – Sprague Electric Co.
DYNACOR – Applied Dynamics Corp.
DYNA-FI – Telex Inc.
DYNAGAGE – Photocon Research Products.
DYNAKIT – Dynaco, Inc.
DYNA LEVEL – Conn. Ltd., C.G.
DYNA-LITE – Fedtro Inc.
DYNALITE – Meredith & Co., Ltd., C.C.
DYNAMAX – Comet Co.
DYNAMAZE – Dynameans, Inc.
DYNAMIC – Jackson Electrical Instrument Co.
DYNA-MITE – Control Dynamics Corp.
DYNAMU – Maico Electronics, Inc.
DYNA-Q – K-W Engineering Works.
DYNASERT – United Shoe Machinery Corp.
DYNASET – Telex Inc.
DYNASHOCK – Lord Mfg. Co.
DYNASTAT – Consolidated Controls Corp.
DYNA-TACH – Electric Tachometer Corp.
DYNATROL – Automation Products, Inc.
DYNA-TWIN – Telex Inc.
DYNAVAR – Hamilton Watch Co.
DYNAVERTER – Aircraft Radio Corp.
DYNAWAVE – Radio Merchandise Sales, Inc.
DYNETIC – Shure Brothers, Inc.
DYNETICS – Applied Dynamics Corp.
DYNOGRAPH – Offner Electronics, Inc.
DYNOID – Mc Quay-Norris Mfg. Co.
DYSTAC – Computer Systems, Inc.

EAGALOK – Eagle Electric Mfg. Co., Inc.
EAGLE – U. S. Steel Corp.
EARSET – Telex Inc.
EASE – Beckman/Berkeley Div.
EASYMATCH – Alford Mfg. Co.
EBONOL – Enthone, Inc.
E-CASE – Epoxy Products, Inc.
ECCOBILD – Emerson & Cuming, Inc.
ECCOBOND – Emerson & Cuming, Inc.
ECCOCERAM – Emerson & Cuming, Inc.
ECCOCOAT – Emerson & Cuming, Inc.
ECCOFOAM – Emerson & Cuming, Inc.
ECCO LUNEBERG LENS – Emerson & Cuming,
ECCOMOLD – Emerson & Cuming, Inc.
ECCO REFLECTOR – Emerson & Cuming, Inc.
ECCOSEAL – Emerson & Cuming, Inc.
ECCOSHIELD – Emerson & Cuming, Inc.
ECCOSORB – Emerson & Cuming, Inc.
ECCOSPHERES – Emerson & Cuming, Inc.
ECCOSTOCK – Emerson & Cuming, Inc.
ECHOMETER – Curtiss - Wright Corp.
ECHOSCOPE – Curtiss - Wright Corp.
ECONO-WATT – Redmond Co., Inc.
ECHO-VOX – Kay Electric Co.
ECON-O-TAPE – Engelhard Industries, Inc.
EDACON – Andromeda, Inc.
EDCO – Electronics Design Co.
EDGEOHM – Ward Leonard Electric Co.
EDGE-ON – Burndy Corp.
EDI-MIDGET – Electro Devices, Inc.
EDP – Empire Devices Products Corp.
EDSCORP – Edmund Scientific Co.
EECO – Electronic Engineering Co.
E.E.D – I.D.E.A. Inc.
E-FORM – Epoxy Products, Inc.
E-I – Electrical Industries a Div. of Philips Electronics & Pharmaceutical Industries Corp.
EICO – Electronic Instrument Co., Inc.
8-BALL – Ward Products Corp.
EIMAC – Eitel-McCullough, Inc.
EKC – Electra Mfg. Co.
EKOMATIC – Labortoire Ind. de Phys. Appl.
EKOTAPE – Webster Electric Co.
EKTACOM – Fisher Berkely Corp.
EKTACOM – Bennett Laboratories Inc.
ELAD – Brocker Labs.
ELASCO – Electronic Assembly Co., Inc.
ELASTICABLE – National Radio Co.
ELDEC – Electro Development Co.
ELDICO – Radio Engineering Labs., Inc.
ELECORD – Pacific Electricord Co.
ELECTENNA – Electrend Products Corp.
ELECTONE – Electron Enterprises
ELECTRICORD – Pacific Electricord Co.
ELECTRITE – West Va., Pulp & Paper Co.
ELECTROBOND – Cavitron Electron Oscillator Div. Short Wave Plastic Forming Co.
ELECTROC – Sprague Electric Co.
ELECTROCAPS – Electro - Ceramics, Inc.
ELECTRO-CHEMOGRAPH – Leeds & Northrup Co.
ELECTROCOM – General Devices, Inc.
ELECTROCUT – Black & Webster, Inc.
ELECTRO-DRY – Republic Foil Inc.
ELECTROFARAD – Aerovox Corp.
ELECTROGRAPH – Century Electronics & Instruments
ELECTROGRAPHIC – Precise Measurements Co.
ELECTROHME – Dominion Electrohome Ind., Ltd.
ELECTROLOY – Molecu-Wire Corp.
ELECTROMAX – Leeds & Northrup Co.
ELECTROMET – Union Carbide Metals Co.
ELECTROMITE – Illinois Condenser Co.
ELECTRONAMIC – Precision Apparatus Co., Inc.
ELECTRONIC SERVANT – Wiegand Mfg. Co.
ELECTROPLEXER – Ascop Div. Electro Mech. Research Inc.
ELECTROPOT – Pacific Electronic Controls Corp.
ELECTRO PROBE – Erwood, Inc.
ELECTROPUNCH – Black & Webster, Inc.
ELECTR-O-SEAL – Parker Seal Co., Div. of Parker-Hannifin Corp.
ELECTROSET – Black & Webster, Inc.
ELECTROSENSOR – Halex, Inc
ELECTRO-SHEAVE – Warner Electric Brake & Clutch Co.
ELECTRO SHEET – Anaconda Amer. Brass Co.
ELECTRO-SRAN – Bendix Aviation Corp.
ELECTROSTAKE – Black & Webster, Inc.
ELECTROTABLE – Black & Webster, Inc.
ELECTRO THIN – Electro Flex Heat, Inc.
ELECTROX – Schauer Mfg. Corp.
ELEX – Arlo Electronics Corp.
ELIMAG – American Time Products, Inc.
ELINVAR EXTRA – Hamilton Watch Co.
ELKOLOY – Mallory & Co., Inc., P. R.
ELKONITE – Mallory & Co., Inc., P. R.
ELKONIUM – Mallory & Co., Inc., P. R.
ELLISCO – Ellis & Sons, Inc. George D.
ELMEG – Presin Co.
ELMENCO – Electro Motive Mfg. Co.
ELTEX – Electro-Tech. Prods. Div. Sun Chem.
ELVACET – E. I. du Pont de Nemours & Co., Inc.
EMC – American-Marietta Co.
EMCOR – Elgin Metalformers Corp.
EMICO – Electro-Mechanical Instrument Co.
EMPOWER – Empire Devices Products Corp.
EMPRESS OF THE SEAS – Hudson Amer. Div. Vocaline Co.
EMT – Electronics Applications, Inc.
ENCAPSULAYER – Photocircuits Corp.
ENDURANCE – General Insulated Wire Works, Inc.
ENDURPRENE – General Insulated Wire Works, Inc.
ENGINEERED ECONOMY – Radio Cores, Inc.
ENGIN SCOPE – Du Mont Labs., Inc., Allen B.
ENRAD – Enflo Corp.
ENSTRIP – Enthone, Inc.
ENTHONICS – Enthone Corp.
EP – Electronic Products Co.
E-PAK – Epoxy Products, Inc.
EP AUDIOTAPE – Audio Devices, Inc.
EPIBOND – Furane Plastics Inc.
EPIC – Electrical & Physical Inst. Corp.
EPINATE – American Printed Circuits Co., Inc.
EPLAB – Eppley Lab. Inc.
EPOCAP – Hardman Co., Inc., H. V.
EPOCAST – Furane Plastics Inc.
EPON – Shell Chemical Co.
EPOSET – Hardman Co., Inc., H. V.
EPOTUF – Reichhold Chemicals Inc.
EPOWELD – Hardman Co., H. V.
EPOXY-CRETE – Ambroid Co.
EPOXY-TREAD – Ambroid Co.
EPS-LINE – Lab. for Electronics, Inc.
E PUT – Beckman/Berkeley Div.
EQUALINE – Entron, Inc.
EQUATROL – Entron, Inc.
EQUIBAR – Trans-Sonics, Inc.
EQUIP-A-MATIC – Combined Electronics, Inc.
EQUIPHASE – Trans - Sonics, Inc.
EQUI TORQUE – Radio Cores, Inc.
E.R.D. – Electronic Research & Dev., Co., Ltd.
ERD-DUMONT – Electronic Research & Dev. Co., Ltd.
ERECTRONICS – General Electronic Labs., Inc.
ERICOFON – North Electric Co.
ERIEFLEX – Erie Resistor Corp.
ERX – Jem Electronics Corp.
ESCO – Electric Specialty Co.
ESCO – Electric Switch Corp.
ESICO – Electric Soldering Iron Co.
ESICO LUGER – Electric Soldering Iron Co.
ESL – Electro-Sonic Labs., Inc.
ESSOWAX – Esso Standard, Div. of Humble Oil & Refining Co.
ESTAR – Sprague Electric Co.
ETC – Electronic Tube Corp.
ETHOCEL – Dow Chemical Co.
EUREKA – E. I. du Pont de Nemours & Co., Inc.
EVABRITE – Bache & Co., Semon.
EVALAST – Bache & Co., Semon.
EVANOHM – Driver Co., Wilbur B.
EVENTEMP – Croven, Ltd.
EVERFAST – Ambroid, Co.
EVEREADY – Union Carbide Corp.
EVERLOCK – Thompson – Bremer & Co.
EVR-KLEER – Cast Optics Corp.
EX-AC – Cleveland Instrument Co.
EXACT-FAX – General Photo Prods. Co., Inc.
EXACT-MATCH – Blonder-Tongue Laboratories, Inc.
EXCO – Electro Switch Corp.
EXECUTIVE – Linemaster Switch Corp.
EXECUTIVE – Internat'l. Crystal Mfg. Co., Inc.
EXPLORER 11 – Translite Electronics Corp.
EXPLOROFORMER – Geotronic Labs., Inc.
EYE SAVING – Westinghouse Electric Corp.
E-Z – Ideal Industries, Inc.
"E-Z" – Continental Connector Corp.
EZC CABINET – Kleer Vue Mfg. Co.
E-Z-CODE – Westline Products Div. of Western Lithograph Co.
E-Z FIND – AKRO-Mils, Inc.
E-Z MATE – Elco Corp.
E-Z-MOBILE – Escotronics
E-Z-RED – Wadsworth Electric Mfg. Co., Inc.
E-Z-TRIM – Bourns, Inc.

FABMIKA – Sprague Electric Co.
FAIRPRENE – E. I. du Pont de Nemours & Co., Inc.
FANFARE – Fanon Electronic Ind., Inc.
FANON-FONE – Fanon Electronic Ind., Inc.
FARLITE – Farley & Loetscher Mfg. Co.
FASTATCH – Centralab Electronics Div. of Globe-Union, Inc.
FASTLINE – Optical Gaging Products, Inc.
FAT PHOEBE – Weber Electronics Inc.
FAULT-FINDER – Smith-Florence, Inc.
FAXIMILE – Hogan Faximile Corp.
FAXIMILE HOGAN – Telautograph Corp.
FAXKOTE – Hogan Faximile Corp.
FAXPAPER – Hogan Faximile Corp.
FAXPAPER – Telautograph Corp.
FAXWRITER – Litton Industries
FAXWRITER – Times Facsimile Corp.
FBI – U. S. Components, Inc.
FEATHERWEIGHT – Trimm, Inc.
FEATHERWEIGHT – Goldak Co., Inc.
FEEDUCT – Columbia Metal Box Co.
FEN-TUBE – Fen-Tone Corp.
FEN-WIRE – Fen-Tone Corp.
FERRAC – Airpax Electronics Inc.
FERRALOY – Ferro Powdered Metals, Inc.
FERRI-CHOKE – Superex Electronics Corp.
FERRICODE – Consolidated Controls Corp.
FERRI-LOOPSTICK – Superex Electronics Corp.
FERRO-CELL – Topatron, Inc.
FERROGUIDE – Litton Industries
FERROLINE – Litton Industries
FERRO LINE – Airtron, Div. of Litton Industries.
FERROMETAL – Milwaukee Stamping
FEXITRON – Field Emission Corp.
FF – Switchcraft, Inc.
FIBERFILM – Amflex Products Dept. of AMF
FIDELITONE – Permo, Inc.
FIDELITREND – Electrend Products Corp.
FIL-CAP – Filtron Co. Inc.
FILMAGNETRIC – Bach Auricon Inc.
FILMISTOR – Sprague Electric Co.
FILMITE – Sprague Electric Co.
FILMPOT – Fairchild Controls Corp.
FILNIC – Driver-Harris Co.
FILT-A-COR – Magnetic Core Corp.
FILTEROL – Sprague Electric Co.
FIL-THERM – Filtron Co. Inc.
FILTOROIDS – Magnetic Metals Co.
FINCO – Finney Co.
FINNFLEX – Finn Co, Inc., T. R.
FIREBALL – JFD Electronics Corp.
FIREBAN – Taylor Fibre Co.
FIREWALL – Rockbestos Wire & Cable Co.
FIREYE – Electronics Corp. of America.
FIREZONE – Rockbestos Wire & Cable Co.
FITGO – Beckman Instruments Inc.
FIVE HUNDRED – E.F. Johnson Co.
FIXTOHM – Campbell Industries Inc.
FLAIR LINE – Jensen Mfg. Co.
FLASH DRIVER – Fedtro Inc.
FLASHDUR – Maas & Waldstein Co.
FLASH-FLOW – Ewald Instruments
FLEETCOM – Communications Co.
FLEETWOOD – Conrac, Inc.
FLEXAGUIDE – Litton Industries
FLEXAGUIDE – Airtron, Div. of Litton Industries.
FLEXAIR – Jensen Mfg. Co.
FLEXARM – Flexo International Corp.
FLEX BOLT – Lord Mfg. Co.
FLEXCHRON – Standard Electric Time Co.
FLEXDUCER – Gulton Industries, Inc.
FLEXIFORMER – Superior Electric Co.
FLEXITE – Markel & Sons, L. Frank,
FLEXLAB – Standard Electric Time Co.
FLEXLEAD – Markel & Sons, L. Frank,
FLEX-NUTS – Prestole Corp.
FLEXLOC – Standard Pressed Steel Co.
FLEXO-ACTION – Merkle-Korff Gear Co.
FLEXOGRAIN – Riverside-Alloy Metal Div.
FLEXOLON – Tensolite Insulated Wire Co.
FLEXON – Flexonics Corp.
FLEXOTEMP – Hayes, Inc., C. I.
FLEX-PAK – Hinde & Dauch Div. of West Virginia Pulp & Paper Co.
FLEXPRINT – Sanders Associates Inc.
FLEXSHIELD – American Electric Cable Co.
FLEX VEAVE – Inso Electronic Products Inc.
FLIGHTCOM – Communications Co.
FLIP-LOC – TA Mfg. Corp.
FLOCON – Beckman Instruments Inc.
FLOWRATOR – Fischer & Porter Co.
FLOWSOLDER – Electrovert, Inc.
FLUOPAK – Chemo Products Inc.
FLUORO BOND – Joclin Mfg. Co.
FLUOROCHEK – Ultra-Violet Products, Inc.
FLUOREL – Minnesota Mining & Mfg. Co.
FLUORLASTIC – Joclin Mfg. Co.
FLUOROCELL – Joclin Mfg. Co.
FLUOROLIN – Joclin Mfg. Co.
FLUOROSEAL – Industrial Plastics Fabricators
FLUSHLITE – Drake Mfg. Co.
FLUXAMP – Sprague Electric Co.
FLUX-STIK – Lake Chemical Co.
FLUXVALVE – Pickering & Co., Inc.
FM/Q – Apparatus Development Co., Inc.
FOAMLINE – Plastoid Corp.
FOAMTUBE – Plastoid Corp.
FOCUS – Radio Merchandise Sales, Inc.
FOILCAL – Unisco, Inc.
FOOTROL – General Control Co.
FORAMINE – Reichhold Chemicals, Inc.
FORASITE – Reichhold Chemicals, Inc.
FORM BRITE – Anaconda Amer. Brass Co.
FORMEZE – General Cable Corp.
FORMLON – General Cable Corp.
FORSAN – Electro-Tech. Prods. Div. Sun Chem.
FORTIFLEX – Celanese Plastics Co.
FORTISSIMO – Beltone Hearing Aid Co.
FOTOCERAM – Corning Glass Works
FOTO-DUCER – Clark Electronic Labs.
FOTOFOIL – Unisco, Inc.
FOTOLECTRIC – Worner Electronic Devices.
FOTO-POT – Clark Electronic Labs.
FRAHM – Biddle Co., James G.
FRAKO – Wells Company, Inc., Gary.
FREDOL – Burke & James, Inc.
FREELOADER – Whitso, Inc.
FREEPORT – Munston Electronic Mfg. Corp.
FREQMETER – Solid State Electronics Co.
FRINGECOUNT – Link Div. Gen. Prec. Inc.
FULFLO – Commercial Filtors Corp.
FUNELET – Circon Component Corp.
FUSE-FLEX – Inso Electronic Products, Inc.
FUSIONBRAZED – Avon Tube Div. Higbie Mfg. Co.
FUSIONWELD – Avon Tube Div. Higbie Mfg. Co.
FUTURIST – Radio Merchandise Sales, Inc.
FYBEROID – Wilmington Fibre Specialty Co.
FYBRGLASS – Rush Wire Stripper Div. Eraser Co.

GAAPHALLAST – Graphite Metallizing Corp.
GAIN-SET – Kay Electric Co.
GALAXY – Jensen Mfg. Co.
GALVATRON – Consolidated Electrodynamics
GALV-O-MAST – Haydon Corp.
GAMMAGAUGE – Curtiss - Wright Corp.
GAP-MOUNTED – Clevite Electronics Components
GAP/R – Geo. A. Philbrick Researches, Inc.
GASEAL – General Hermetic Sealing Corp.
GCP – General Coil Products Corp.
GELOSO – American Geloso Electronics, Inc.
GEM – Radio Merchandise Sales, Inc.
GEM – Mallory & Co., Inc., P. R.
GEMCO – Great Eastern Mfg. Co.
GEMINOL – Driver-Harris Co.
GENCALLOY-A – General Cable Corp.
GENCATHENE – General Cable Corp.
GENCO – General Photo Prods. Co., Inc.
GENCO – New Brunswick Sheet Metal Works
GENCOTE – General Plastics Corp.
GENELEX – G. E. Co. Ltd. of England.
GENELEX – Connolly & Co., Wallace E.
GENEVA-LOC – Bendix Aviation Corp.
GEN-PRO – General Products Corp.
GEN RES – General Resistance, Inc.
GENTAPE – General Plastics Corp.
GENTONE – General Plastics Corp.
GEOCHRONE – National Electronics Labs., Inc.
GEO-DATA – Southwestern Ind. Electronics Co.

GEOFORMERS – Triad Transformer Corp.
GEOHMETER – Geophysical Instrument Co.
GEOTRODE – Geophysical Instrument Co.
GEOTRON – Geotronic Labs., Inc.
GEOVOLT – Geophysical Instrument Co.
GER-PAK – Gering Plastics Div.
G-FUSE – Bergen Labs. Inc.
G-H – Girard-Hopkins
G.I. – General Industries, Inc.
GIAS BOND – Polymer Industries Inc.
GIBSALLOY – Gibson Electric Co.
GIBSILOY – Gibson Electric Co.
GIBSON GIRL – Robins Industries Corp.
GKI – General Kinetics, Inc.
GLAS-BES – Electro-Tech. Prods. Div. Sun Chem. Corp.
GLASSCON – Efcon, Incorporated
GLASSEAL – Pyramid Electric Co.
GLASSMIKE – Condenser Products Div. New Haven Clock & Watch Co.
GLAS-VAR – Electro-Tech. Prods. Div. Sun Chem.
GLASWITCH – Revere Corp. of America
GLENNITE – Gulton Industries, Inc.
GLIDE-SLIDES – Electro-Pack Inc.
G-LINE – Surface Conduction
GLOBAR – Carborundum Co.
GLO-COIL – Eagle Electric Mfg. Co., Inc.
GLO DOT – Industrial Devices Inc.
GLO-PLUG – Industrial Devices, Inc.
GOLD-CAP – Fansteel Metallurgical Corp.
GOLD CROWN – Pioneer Gen-E-Motor Co.
GOLD CUP – Carbonneau Industries, Inc.
GOLDEN-D – Cannon Electric Co.
GOLDEN DAGOR – Goerz American Optical Co.
GOLDEN G – Filtors, Inc.
GOLD RING – Recoton Corp.
GOLD TOP – Revere Corp. of America
GOLTOP – Newmarket Transistors Ltd.
GORDENT – Gordon Enterprises
G. P. – Erie Resistor Corp.
GRAFOLUBE – Grafo Colloids Corp.
GRA-LAB – Dimco-Gray Co.
GRALLEN – Clegg Laboratories
GRAMIX – U. S. Graphite Co., Div. of The Wickes Corp.
GRAPHALLOY – Graphite Metallizing Corp.
GRAPH-A-PLAN – Labelon Tape Co., Inc.
GRAPHILM – Charles Pettinos Graphite Corp.
GRAPHITAR – U. S. Graphite Co., Div of The Wickes Corp.
GRAPHLON – Graphite Metallizing Corp.
GRAVOFLEX – Hermes Plastics Inc.
GREENBILT – Equipment & Service Co.
GREENOHM – Clarostat Mfg. Co. Inc.
GRIDALOY – Molecu-Wire Corp.
GRIDNIC – Driver-Harris Co.
GRIP-EZE – Phelps Dodge Copper Products Corp.
GRIPLAR – Electro-Tech Prods. Div. Sun Chem. Corp.
GRIP-SEAL – Adalet Mfg. Co.
GRITCLOTH – Bay State Abrasive Products Co
GROMMES – Precision Electronics, Inc.
GROVER – Burke & James, Inc.
GS-77 – Glaser-Steers Corp.
GS-400 - Glaser-Steers Corp.
GS –77 – Glaser Steers Corp.
GS 400 – Glaser Steers Corp
GSM – Grand Sliding Mechanisms
G-STRING – Surface Conduction
GUDEGLASS – Gudebrod Bros. Silk Co., Inc.
GUDELACE – Gudebrod Bros. Silk Co., Inc.
GUDE-NYLACE – Gudebrod Bros Silk Co., Inc.
GUIDELINE – Litton Industries
GUIDER – Audio Equipment Co., Inc.
GYRALINE – Cascade Research Div. Monogram
GYROLUBE – Sperry Gyroscope Co.
GYROMECHANISMS – Keytay Dept., Norden Div., United Aircraft Corp.
GYROPOISE – Pickering & Co., Inc.

HALLOWELL – Standard Pressed Steel Co.
HALO LIGHT – Sylvania Electric Prods. Inc.
HAMMERTONE – Maas & Waldstein Co.
HAMPSHIRE – Fedtro Inc.
HAM-TENNA – Illumitronic Engineering
HANDIE TALKER – Motorola Communications & Electronics, Inc.
HANDIPHONE – Murdock Corp.
HANDIVOLT – Nutron Mfg. Co., Inc.
HANDY TABLE – Milwaukee Stamping
HANDY-TOROID – North Hills Electric Co., Inc.
HARMONY – Continental Manufacturing Inc.
HARMONY – CBS Electronics
HASTELLITE – Haynes Stellite Co.
HAVAR – Hamilton Watch Co.
HAWLEX – Hawley Products Co.
HCX – Sprague Electric Co.
HD-DRUM – Lab. for Electronics, Inc.
HEALTH-AIR – Master Appliance Mfg. Co.
HEAR-RING – Maico Electronics, Inc.
HEATHKIT – Health Co., & Sub. of Daystrom, Inc.
HEATING ELEMENT ADHESIVE No. 28 – Cox & Co., Inc.
HEATRAN – Power Designs, Inc.
HEATZONE – Rockbestos Wire & Cable Co.
HEEMCO – Hill Electronics, Inc.
HEETSTRIP – Thermo-O-Lab Corp.
HELECON – U. S. Radium Corp.
HELIAX – Andrew Corp.
HELICOP HUT – Craig Systems, Inc.
HELICORDER – Geotechnical Corp.
HELICORE – BTU Engineering Corp.
HELIDEL – Helipot Div. Beckman Instruments, Inc.
HELIPOT – Beckman Instruments, Inc.
HELITRIM – Helipot Div. Beckman Instruments, Inc.
HELI-TUBE – Newman Corp., M. M.
HELIX – Biggs Co. Inc., Carl H.,
HELIXFLAWMASTER – Biggs Co. Inc., Carl H.,
HERASIL – Engelhard Industries, Inc.
HERCULES – Linemaster Switch Corp.
HERLEC – Sprague Electric Co.
HERMETEZE – Phelps Dodge Copper Products Corp.
HET – Durez Plastics Dv.
HETROFOAM – Durez Plastics Dv.
HETROLAC – Durez Plastics Dv.
HETRON – Durez Plastics Dv.
HEVI-DUTY – Hinde & Dauch Div. of West Virginia Pulp & Paper Co.
HEXCLAD – Hexacon Electric Co.
HEXO-LET – Fedtro Inc.
HEXSEALS – A.P.M. Corp.
HEYCO – Heyman Mfg. Co.
H G GOLD – Technic Inc.
HI-60 – Britton Electronics Corp.
HI-BRITE – Shannon Lumimous Material
HICKORY BRAND – Superior Cable Corp.
HI-CORE – Alpha Metals, Inc.
HI-D – United Aircraft Products, Inc.
HI-FARAD – Aerovox Corp.
HI-FAX – Hercules Powder Co., Inc.
HI-FI – Ampro Corp.
HI FLEX – Electro Flex Heat Inc.
HI-FLUX – Annis Co., R. B.
HI-G – General Controls Co.
HIGHFLEX-TM – Engelhard Industries, Inc.
HIGHHEAT-TM – Engelhard Industries, Inc.
HIGH SPEED – E. I. du Pont de Nemours & Co.,
HI-K – Erie Resistor Corp.
HI-KAPS – Centralab Electronics Div. of Globe-Union, Inc.
HI-LAB – Holt Instrument Labs.
HI-LO – Industrial Devices, Inc.
HI-LO DIMSWITCH – Slater Electric & Mfg. Co.
HINGE LOCK – Simmons Fastener Corp.
HI PERMALLOY – United Transformer Corp.
HI-Q – Aerovox Corp.
HI-R – Bourns Inc.
HI-R – Grinnell Harris Electronics Inc.
HI-RELI – Armel Electronics, Inc.
HIRSCHMANN – Rye Sound Corp.
HI-SHOCK – Singer Mfg. Co.
HI SUPERTITE – Engelhard Industries, Inc.
HI-TEMP – Rockbestos Wire & Cable Co.
HI-TEN – Armstrong Bros. Tool Co.
HI-TENSION – JFD Electronics Corp.
HITENSO – Anaconda Amer. Brass Co.
HI-THRED – General American Transportation Corp.
HI TORK – Electro-Mechanical Instrument Co.
HI-TREADLITE – Linemaster Switch Corp.
HI TRIM – Bourns Inc.
H I TRONIC – Bliss Electronic Corp.
HI-VO-KAPS – Centralab Electronics Div. of Globe-Union, Inc.
HI-VOLT – Industrial Devices, Inc.
HI-WAY-1 – Electronics Corp. of America
H-LAB – Harrison Laboratories, Inc.
HOFFCO-VAC – U.S. Hoffman Machinery Corp.
HOFFCO-VEYOR – U.S. Hoffman Machinery Corp.
HOLOPHANE – Acoustica Associates, Inc.
HOLTITE – Continental Screw Co.
HOMOSIL – Engelhard Industries, Inc.
HONAN-CRANE – Commercial Filtors Corp.
HOOK-LOCK – Simmons Fastener Corp.
HORNET – New York Transformer Co.
HOT-JET – D & R Plastic Welders, Inc.
HOTPACK – Electric Hotpack Co., Inc.
HOT SHOT – Fedtro Inc.
HOT SHOT TESTER – Pioneer Industries, Div. of Almar-York Co., Inc.
HOWALLOY – Howe International
HOZ-FAS-NERS – Eaton Mfg. Co.,
HP – Aerovox Corp.
HP – Fansteel Metallurgical Corp.
H SERIES – Fairmount Chemical Co., Inc.
H T CONSTANT-TM – Engelhard Industries, Inc.
HUBBELLOCK – Harvey Hubbell, Inc.
HUBLOC – Andrew Corp.
HUCKBOLT – Huck Mfg. Co.
HUDSON – Oxford Electric Corp.
HUMIDOLAIN – Star Porcelain Co.
HUMIDOMETER – Henry Francis Parks Lab.
HUMI-GARD – Quam-Nichols Co.
HUMI SEAL – Columbia Technical Corp.
HUMMINGBIRD – Pesco Products Div. Borg-Warner
HUNTER – Ray-O-Vac Co.
HURLETRON – Electric Eye Equipment Co.
HURRICLEAN – Oakite Products Inc.
HUSKY – Price Electric Corp.
HY-A-SIL – Sanford Miller Co.
HYBRIDGE – Alford Mfg. Co.
HYDENT – Burndy Corp.
HYDROFEED – Components Corp.
HYDROVOID – Air - Shields, Inc.
HYFEN – Burndy Corp.
HY-G-300 – Red Bank Div. Bendix Aviation Corp.
HY-G-500 – Red Bank Div. Bendix Aviation Corp.
HYGRADE – Markel & Sons, L. Frank,
HYDROMAT – Bell Aircraft Corp.
HYDROTOR – American Bosch Arma Corp.
HYLUG – Burndy Corp.
HYMAC – Molectronics Corp.
HY-MET – Astron Corp.
HYMU – Carpenter Steel Co.
HYPAC – Electronic Research Assoc. Inc.
HYPAC – Era Pacific Inc.
HYPALON – E. I. du Pont de Nemours & Co., Inc.
HYPALOX – American Feldmuehle Corp.
HYPASS – Sprague Electric Co.
HYPERCON – Sprague Electric Co.
HYPER CORE – Moloney Electric Co.
HYPERGON – Goerz American Optical Co., C. P.
HYPERMAG – Westinghouse Electric Corp.
HYPER-PURE – Alloys Unlimited, Inc.
HYPERSIL – Westinghouse Electric Corp.
HYPEX – Jensen Mfg. Co.
HYPOT – Associated Research, Inc.
HYREL – Sprague Electric Co.
HYPRESS – Burndy Corp.
HY-RA – Carpenter Steel Co.
HYRAD – Sequoia Wire & Cable Co.
HYSHRINK – Sequoia Wire & Cable Co.
HYSPAR – Midland Industrial Div.
HYSPERSYN – Bekey Electric Div., Genisco, Inc.
HYSTRAN – Lamtex Industries Inc.
HYTEMCO – Driver-Harris Co.
HYTOOL – Burndy Corp.
HYVOL – Aerovox Corp.

IATRON – International Tel & Tel Corp.
IDEAL – Burke & James, Inc.
IDEAL – U. S. Steel Corp.
IDEAL – Waldom Electronics Inc.
IDENTASLEEVE – General Plastics Corp.
IDL – Instrument Development Labs., Inc.
IEI – Standard Pressed Steel Co.
IERC – International Electronic Research Corp.
IGNITION SCOPE – Du Mont Labs., Inc., Allen B.
IHC – Illinois Condenser Co.
IHT – Illinois Condenser Co.
IMC – Insulation Manufacturers Corp.
IMCOR – Insulation Manufacturers Corp.
IMMERSCOPE – Automation Industries Inc.
IMMERSCOPE – Curtiss - Wright Corp.
IMP – Carter Parts Co.
IMP – JFD Electronics Corp.
IMP – Kaar Engineering Corp.
IMP – Pyramid Electric Co.
IMPERIAL – Jensen Mfg. Co.
IMPERIAL – Trans - Tel Corp.
INCELOID – American Products Mfg. Co., Inc.
INCO – International Nickel Co., Inc.
INCONORAMA – Fedrick, Fenske, Miller
INCREDUCTOR – CGS Labs. Inc.
INCREMAG – General Time Central Research Lab.
INDALLOY – Indiana Steel Products Div.
INDALLOYS – Indium Corp. of America
INDELI-DENT – Markwik Sales Corp.
INDI-AC – Cleveland Instrument Co.
INDI-RON – Cleveland Instrument Co.
INDITRON – National Union Electric Corp.
INDOX – Indiana Steel Products Div.
INDUCTUNER – Mallory & Co., Inc., P. R.
INDUSTRIAL 24 KT – Technic Inc.
INETROL – Leach Corp.
INFRABEAM – Cramer Controls Corp.
INFRATON – Biophysical Electronics Inc.
INGENTO – Burke & James, Inc.
INLITE – Plasteck, Inc.
INMANCO – Insulation Manufacturers Corp.
INNER FIN – Dunham-Bush., Inc.
INSA-LUTE – Sauereisen Cements Co.
INSTANSOLDER – Cole Radio Works.
INSTAPAC – D. W. Onan & Sons, Inc.
INSTRU/MATION – Erie Resistor Corp.
INSULATED CIRCUITS – Whitney Blake Co.
INSULINK – Burndy Corp.
INSULKOTE – Johns-Manville.
INSULKRIMP – ETC Incorporated
INSULOID – Electrovert, Inc.
INSULPAK – Hinde & Dauch Div. of West Virginia Pulp & Paper Co.
INSULUG – Burndy Corp.
INSUROK – Richardson Co., The
INTER-B – Magnetic Shield Div., Perfection Mica
INTERLOCK – Harvey Hubbell, Inc.
INTERMATIC – International Register Co.
INTERZONE – Rockbestos Wire & Cable Co.
INTRAFAX – Western Union Telegraph Co.
INTREX – Interelectronics Corp.
INTRON – Interelectronics Corp.
INVAR – Carpenter Steel Co.
INVERTRON – Behlman Engineering Co.
IONOSTAT – U. S. Radium Corp.
IONOTRON – U. S. Radium Corp.
IRESCO – International Research Assoc.
IRIDITE – Allied Research Prods., Inc.
IRILAC – Allied Research Prods., Inc.
IRIS-FLO – Lundy Mfg. Corp.
IRN – Williams & Co., C. K.
ISATRON – Consolidated Electrodynamics Corp.
ISIS – Geo. A. Philbrick Researches, Inc.
ISO – Isolantite Mfg. Corp.
ISOBESTOS – Natvar Corp.
ISOBRITE – Allied Research Prods., Inc.
ISOCAT – Isochem Resins Co.
ISOCHEMFIL – Isochem Resins Co.
ISOCHEMGEL – Isochem Resins Co.
ISOCHEMREZ – Isochem Resins Co.
ISOCHEMSTRIP – Isochem Resins Co.
ISOCHEMTERGE – Isochem Resins Co.
ISODEX – Shure Brothers, Inc.
ISO ELASTIC – Chatillon & Sons, John.
ISOFARAD – Sprague Electric Co.
ISOFOAM – Isocyanate Products, Inc.
ISOFORMER – Elcor, Inc.
ISOGLAS – Natvar Corp.
ISOLASTANE – Natvar Corp.
ISOLITE – U. S. Radium Corp.
ISOLUME – Sun Dial Corp.
ISOMELT – Schenectady Varnish Co., Inc.
ISOMICA – Mica Insulator Div. of Minnesota Mining & Mfg.Co.
ISOMODE – MB Electronics
ISOPHON – Arnhold Ceramics, Inc.
ISOPLEX – Natvar Corp.
ISOPLY – Elcor, Inc.
ISOPOXY – Schenectady Varnish Co., Inc.
ISORPHASE – Pickering & Co., Inc.
ISO SEAL – Chatillon & Sons, John.
ISO-X – Litton Industries
ITC – Illinois Condenser Co.
ITECO – Industrial Test Equipment Co.
ITVAC – Industro Transistor Corp.
IVO – Presin Co.

JACKSON – Vulcan Electric Co.
JAGABI – Biddle Co., James G.
JAQUET – Sticht Co., Inc., Herman H.
JAY-BEE-TEE – J-B-T Instruments
J-E – Jackes-Evans Mfg. Co.
JET AIR – Breeze Corps., Inc.
JETCAL – B & H Instrument Co.
JE TENNA – JFD Electronics Corp.
JET-KOTE – Furane Plastics Inc.
JET-SETTER – General American Transportation
JEWEL – JFD Electronics Corp.
JIFF-E-PLUG – Ackerman-Johnson Co.
JIFFI-LITE – Fedtro Inc.
JIFFI-TESTER – Fedtro Inc.
J-M – Johns-Manville.
JOB- RATED INSTRUMENTS – Pyramid Instrument Corp.
JOCLAMPS – Joclin Mfg. Co.
JOLTA – Jan Hardware Mfg. Co., Inc.
JOMANCO – Johns-Manville.
JUNIOR-HELIX – JFD Electronics Corp.

K-400 KAYONITE – Fedtro Inc.
KALOTRON – Thermosen, Inc.
KANIGEN – General American Transportation Corp.
KAPPA – Wright & Sons Co., William E.
KARADIO – American Television & Radio Co.
KARAK – Ohio Carbon Co.
KARATCLAD – Sel-Rex Corp.
KARBOMET – Driver-Harris Co.
KARMA – Driver-Harris Co.
KASIL – Philadelphia Quartz Co.
KE – Kurman Electric Co.
KEEN ARC – Becker Brothers Carbon Co.
KEEN CUT – Becker Brothers Carbon Co.
KEL-F – Minnesota Mining & Mfg. Co.
KEMFUZE – Bel Fuse, Inc.
KENCO – Kenwood Engineering Co., Inc.
KENDEX – Kennametal Inc.
KENNETT – National Vulcanized Fibre Co.
KENTANIUM – Kennametal Inc.
KEPRO – Keil Engineering Products, Inc.
KEPS – Shakeproof Div., Ill. Tool Wks.
KERNEL – Burnell & Co., Inc.
KEYNOTER – Gray Mfg. Co.
KILODIAL – Kilo Engineering Co.
KILOKNOB – Kilo Engineering Co.
KILOPAK – Wesco Electrical Co., Inc.
KILOPOT – Kilo Engineering Co.
KILO-Q – Kay Electric Co.
KILO-SWEEP – Kay Electric Co.
KIMCO – Kline Iron & Steel Co.
KINECALL – Kinematic Systems
KINECARD – Collins Radio Co.
KINEPLEX – Collins Radio Co.
KINETAPE – Collins Radio Co.
KINEVOX – Electromation Co.
KING – Arlo Electronics Corp.
KLEANROL – E. I. du Pont de Nemours & Co., Inc.
KLEER-PAK – Sprague Electric Co.
KLIMP – Navan Products, Inc.
K-LOC – Erie Resistor Corp.
KLOCKOUNTER – Hunter Mfg. Co.
KNIGHT – Allied Radio Corp.
KNIGHT-KIT – Allied Radio Corp.
KODAK – Eastman Kodak, Co.
KODIFIER – Markwik Sales Corp.
KOILED KORDS – Whitney Blake Co.
KOLD-PAK – Tenney Engineering, Inc.
KOOLOHM – Sprague Electric Co.
KOOLPAK – Sprague Electric Co.
KOOLPORE – Bay State Abrasive Products Co.
KOP-R-KLAD – Shamban & Co., W.S.
KORELLE – Burke & James, Inc.
KOROSEAL – Goodrich Industrial Products Co., B. F.
KOTACOIL – Induction Heating Corp.
KOVAR – Carborundum Co.
KRECO – Kreckman Co., Herb.
KRENE – Union Carbide Corp.
KRIMPTITE – ETC Incorporated
KROMAPLAST – American Molding Powder & Chemical Corp.
KROMORE – Driver-Harris Co.
KUAX – Kuhnke Electronics H.
KUDL-PAK – Navan Products, Inc.
KURMELEC – Kurman Electric Co.

KVO – Sprague Electric Co.
K VOLT – Avien Corp.
KWIKITS – University Loudspeakers, Inc.
KWIK-KALL – Loge Sound Engineers, J. M.
KWIK-STIK – Finn Jaske Co.
KWIK-TERM – Cannon Electric Co.
KWIKY-DOTS – By-Buk Co.
KYBERNETES – Hagan Chemicals & Controls Inc.

LABELSTICK – Ellis & Sons, Inc. George D.
LABITRON – Nuclear Chicago Corporation
LABMARKER – Berkshire Laboratories
LABOHM – Berkshire Laboratories.
LABSTROBE – Berkshire Laboratories.
LABTRANS – Berkshire Laboratories.
LABVOLT – Buck Engineering Co., Inc.
LACKON – Monroe Industries, Inc.
LACKON – OKI & Willadsen Ltd.
LACKON – Sun Dial Corp.
LACKON – U. S. Radium Corp.
LADDER LINE – Illumitronic Engineering
LAMCOTE – Arvey Corp.
LAMICOID – Mica Insulator Div. of Minnesota Minning & Mfg. Co.
LAMINAC – American Cynamid Co.
LAMITEX – Franklin Fibre-Lamitex Corp.
LAMIUM – Laminated Shim Co., Inc.
LAQUA – Fidelity Chemical Products Corp.
LA SCALA – I.H. Mfg. Co.
LATCO – Lake Chemical Co.
LAVINORE – Lavino & Co., E. J.
LAVITE – D.M. Steward Mfg. Co.
LAVOLAIN – Star Porcelain Co.
LAQUER-STIK – Lake Chemical Co.
L-C CHECKER – Aerovox Corp.
L. C. TUNER – JFD Electronics Corp.
LEADEX – Bar-Ray Products, Inc.
LEARTRON – Lear, Inc.
LECO – Laboratory Equipment Corp.
LECTON – E. I. du Pont de Nemours & Co., Inc.
LECTRIC-AIRE – Radex Corp.
LECTROBREATHER – Pittsburgh Lectrodryer Div., McGraw-Edison Co.
LECTRODRYER – Pittsburgh Lectro-dryer Div.,
LECTROFILTER – Pittsburgh Lectro-dryer Div., McGraw-Edison Co.
LECTRO-LITE – Fedtro Inc.
LECTRONIC BOARD – Electro-Tech. Prods. Div. Sun Chem. Corp.
LECTROSONIC – Babcock & Wilcox
LECTRO-STATIC – Fedtro Inc.
LECTRO-SYNC – American Speedlight Corp.
LEKTRO-LOK – Linemaster Switch Corp.
LEKTRO-TUNER – Conn. Ltd., C. G.
LENITE – Lab-Tronics, Inc.
LENSCOTE – Metavac, Inc.
LENSKOTE – Burke & James, Inc.
LESA – Electrophono & Parts Corp.
LEVOLIER – McGill Mfg. Co., Inc.
LEV-O-LITE – Leviton Mfg. Co., Inc.
LEV-O-LOCK – Leviton Mfg. Co., Inc.
LEV-R – Switchcraft, Inc.
LF-JAX – Switchcraft, Inc.
LICO – Life Instrument Co.
L-I-F-E – Lear, Inc.
LIFE-GUARD – Westinghouse Electric Corp.
LIFETIME – Reeves Soundcraft Corp.
LIGHT WRYTER – Ultra-Violet Products, Inc.
LIGNA-SWEEP – Kay Electric Co.
LIMIT – James International.
LIMPANDER – Electronic Systems Engineering Co.
LINDOR – William I. Horlick Co., Inc.
LINEAR STANDARD – United Transformer Corp.
LINEATROL – Jordon Controls, Inc.
LINE-O-LIFE – Carter Motor Co.
LINGUATRAINER – General Electronic Labs., Inc.
LINIOMETER – Bourns, Inc.
LINIPOT – Bourns Inc.
LINITRIM – Bourns Inc.
LINK LOCK – Simmons Fastener Corp.
LINVAR – Muirhead & Co., Ltd.
LIQUI-DET – Oakite Products Inc.
LITE-GAGE – Photocon Research Products
LITEMASTER – Flexo International Corp.
LITESTRIP – Circon Component Corp.
LITTLE GEM – Great Eastern Mfg. Co.
LITTLE GIANT – JFD Electronics Corp
LITTEL-JAX – Switchcraft, Inc.

LITTLE JEM – Jansen Electronics
LITTLE JEWEL – Argonne Electronics Mfg. Corp.
LITTLE JOE – MacDonald & Co.
LITTL-LYTIC – Sprague Electric Co.
LLOYD'S – Johnson Mfg. Co., Inc.
LMB – Heeger Inc.
LM ERICSSON – State Labs.
LNP – Liquid Nitrogen Processing Corp.
LO-BOY – JFD Electronics Corp.
LOCAR – Simmonds Aerocessories, Inc.
LOC-FIT – U. S. Engineering Co.
LOCTRACS – Lockheed Electronics Co.
LOHM – Driver-Harris Co.
LOK-MATIC – Ward Products Corp.
LOK-STRAP – Panduit Corp.
LOKUTS – Shakeproof Div., Ill. Tool Wks.
LONCO – London Chemical Co.
LOOPOHM – Ward Leonard Electric Co.
LOOPSTICK – Superex Electronics Corp.
LOS GATOS – Lewis & Kaufman Electronics Corp.
LOTEMP – Mico Instrument Co.
LO-VOLT – Industrial Devices, Inc.
L-T – Lab-Tronics, Inc.
L-T – Lambda Electronics Corp.
L. T. C. – Cohn Corp., Sigmund
LUBRI-LO – Permo, Inc.
LUBRI-STAT – Fidelitone, Inc.
LUBRI-STAT – Permo, Inc.
LUCERO – Driver-Harris Co.
LUCITE – E. I. du Pont de Nemours & Co., Inc.
LUMARITH – Celanese Plastics Co.
LUMATROL – Micro Balancing, Inc.
LUMICON – Bendix Aviation Corp.
LUMITE – Chicopee Mills Inc.
LUSTERIZED – American Electric Cable Co.
LUSTERLAC – American Electric Cable Co.
LUSTREX – Monsanto Chemical Co.
LUTON – Pacific Electricord Co.
LUXOLENE – Deluxe Coils, Inc.
LUXOR – Burke & James, Inc.
LUXTROL – Superior Electric Co.
LYCOMAR – Burke & James, Inc.
LYN-A-SYN – Minatron Corp.
LYTICAP – Planet Mfg. Corp.

MAC-IRON – Mack Iron Works Co.
MACO – Maury & Associates.
MACROSYN – Minn-Honeywell Reg. Co.
MACROWAVE – Douglas Microwave Co.
MADT – Philco Corp.
MAGIC CIRCLE – A. R. F. Products, Inc.
MAGIC GENIE – JFD Electronics Corp.
MAGICWAND – Sticht Co., Inc., Herman H.
MAGI-MIX – Technical Appliance Corp.
MAGITRAN – Electronic Research Assoc. Inc.
MAGMETER – Airpax Electronics Inc.
MAG-MOD – General Magnetics, Inc.
MAGMOTOR – Carter Motor Co.
MAGNAFLEX-TM – Engelhard Industries, Inc.
MAGNAFRAX – Carborundum Co.
MAGNAGLO – Magnaflux Corp., Sub. General Mills
MAGNA-MITE – Ferricore, Inc.
MAGNA-MITE – National Moldite Co.
MAGNA-PHONE – Kay Towns Antenna Co.
MAGNASET – Precision Thermometer & Instrument
MAGNA-STRIP – Spectra-Strip Wire & Cable Corp.
MAGNA-SWEEP – Kay Electric Co.
MAGNATEST – Magnaflux Corp., Sub. General Mills
MAGNATORC – Hansen Mfg. Co., Inc.
MAGNATROL – Dynamic Controls Co.
MAGNEBRAKE – Vickers, Inc.
MAGNECLUTCH – Vickers, Inc.
MAGNELINE – Patwin, Div. of Patent-Button Co.
MAGNEPAINT – Micro-Circuits Co.
MAGNE-SPEED – Magnetic Amplifier, Inc.
MAGNET-LITE – Ray-O-Vac Co.
MAGNETTE – Heinemann Electric Co.
MAGNIPHASE – Continental Electronics Mfg. Co.
MAGNISTROL – Acme Electric Corp.
MAGNI-WHIRL – Blue M Electric Co.
MAGNO – Driver-Harris Co.
MAGNOCARB – Driver Co., Wilbur B.
MAGNORITE – Norton Co.
MAGOHM – Electric Regulator Corp.
MAG-PNEU – Hankinson Corp.
MAGSENSE – Daystrom Inc.
MAG-TWEEZ – Orbit Industries
MAITROL – Maico Electronics, Inc.

MALLARD – Electrend Products Corp.
MALCOMATIC – Malco Mfg. Co.
MANCO – Master Appliance Mfg. Co.
MANGRID – Driver Co., Wilbur B.
MANHATTAN – Raybestos-Manhattan, Inc.
MAPICO – Columbian Carbon Co.
MARAGLAS – Marblette Corp.
MARASET – Marblette Corp.
MARC – Moore Associates, Inc.
MARCO – Celanese Plastics Co.
MARCO – Rowe Industries
MARKA-SWEEP – Kay Electric Co.
MARK II – Brush Instruments Div. of Clevite Corp.
MARK IV-VRC – Par Products Corp.
MARKSMAN – West Instrument Corp.
MARK-TIME – Rhodes, Inc., M. H.
MARS – Lear, Inc.
MASCO – Simpson Mfg.Co., Inc., Mark.
MASTERCOLOR – American Molding Powder & Chemical Corp.
MASTERCRAFT – Cadre Industries Corp.
MASTER-GUILD – Burke & James, Inc.
MASTER MET – Cannon-Muskegon Corp.
MAT – Philco Corp.
MATCHBOX – E.F. Johnson Co.
MATCHMAKER – Channel Master Co.
MATCHSTICK – E.F. Johnson Co.
MAX-C – J. F. D. Electronics Corp.
MCMARTIN – Continental Manufacturing, Inc.
MDL – Microwave Development Labs Inc.
MEASURAY – Sheffield Corp., Sub of Bendix Aviation Corp.
MEC – Milgo Electronic Corp.
MECAP – Micamold Electronics Mfg.
MECATORN – Torngren Co., Inc., C.W.
MECHTRON – Tensolite Insulated Wire Co., Inc.
MEDALIST – Marion Instrument Div.
MEGA-CHART – Kay Electric Co.
MEGALATOR – Kay Electric Co.
MEGALIGNER – Kay Electric Co.
MEGALUME – Nems-Clarke Co. A Div. of Vitro Corp. of America.
MEGALYZER – Kay Electric Co.
MEGA-MARKER – Kay Electric Co.
MEGA-MARKER, Sr. – Kay Electric Co.
MEGA-MATCH – Kay Electric Co.
MEGA-NODE – Kay Electric Co.
MEGA-PIX – Kay Electric Co.
MEGA-PULSER – Kay Electric Co.
MEGA-REL – Gudeman Co.
MEGASORBER – Continental Electronics Mfg. Co.
MEGA-SWEEP – Kay Electric Co.
MEGA-SWITCH – Energy Kontrols, Inc.
MEGATROMETER – Mid-Eastern Electronics, Inc.
MEGGER – Biddle Co., James G.
MEGGER – Evershed & Vignoles Ltd.
MEGOHMER – Sticht Co., Inc., Herman H.
MEG-O-MAX – Sprague Electric Co.
MEGPOT – General Hermetic Sealing Corp.
MEK-A-PUNCH – American Electronics, Inc.
MELCOAT – Melpar, Inc.
MELEMATIC – Meletron Corp.
MELFOAM – Melpar, Inc.
MEL-INK – Melpar, Inc.
MELLOTONE – Electron Enterprises
MELMAC – American Cyanamid Co.
MELODY MIKE – Audio Equipment Co., Inc.
MELPAK – Melpar, Inc.
MELVAR – Melpar, Inc.
MEMO-SCOPE – Hughes Aircraft.
MEMOTRON – Hughes Aircraft.
MERCURY – Vulcan Electric Co.
MERITONE – Autocrat Electronics Co.
MERLIN – JFD Electronics Corp.
MERLON – Mobay Chemical Co.
MESSENGER – E.F. Johnson Co.
META-A-CAPS – Chicago Condenser Corp.
META-BOND – Metachem Resins Corp.
META-CAST – Metachem Resins Corp.
METACLAD – Metachem Resins Corp.
METACOLOR – Phillips Process Co., Inc.
META-COTE – Metachem Resins Corp.
METAFIL – Metachem Resins Corp.
META-FLEX – Metachem Resins Corp.
META-GEL – Metachem Resins Corp.
METALACE – Maas & Waldstein Co.
METAL-CAL – C & H Supply Co.
METAL-CELL – Topatron, Inc.
METALITE – Astron Corp.
METAL MUCLES – White Dental Mfg. Co., S. S.

METALOHM – Litton Industries
METALOHM – Marsland Engineering, Ltd.
METALSET – Smooth-on Mfg. Co.
META-MOLD – Metachem Resins Corp.
META-PART – Metachem Resins Corp.
META-STRIP – Metachem Resins Corp.
META-TERGE – Metachem Resins Corp.
METCO – Metallizing Engineering Co., Inc.
METCOM – Microwave Electronic Tube Co., Inc.
METEOR – Associated American Winding Machy.
METEOR – Astron Corp.
METEX – Metal Textile Corp., Div. of General Cable Corp.
METEX – MacDermid Corp.
METLBOND – Narmco Materials Div.
MET-L-FLEX – Robinson Technical Products, Inc.
METRISITE – Brush Instruments Div. of Clevite Corp.
METRO-HELIX – JFD Electronics Corp.
METROPOLITAN – I.H. Mfg. Co.
METROPOLITAN – Radion Corp., The
METROSCOPE – Photocon Research Products.
MEXICAN – U.S. Graphite Co.
MF – Barnstead Still & Sterlizer Co., Inc.
MI – Midwestern Instruments
MIC – Molded Insulation Co.
MICABOND – Continental-Diamond Fibre Corp.
MICANITE – Mica Insulator Div. of Minnesota Mining & Mfg. Co.
MICAP – Micamold Electronics Mfg. Corp.
MICAPLY – Mica Corp.
MICRELAY – Ebert Electronics Corp.
MICRETAIN – Cambridge Filter Corp.
MICRO – Phoenix Precision Instrument Co.
MICRO-AC – Cleveland Instrument Co.
MICROCASTING – Austenal, Co. Div. Howe Sound
MICROCHOPPER – Solid State Electronics Co.
MICROCLUTCH – Magtrol, Inc.
MICROCOM – General Devices, Inc.
MICROCORDER – Micrometrical Mfg., Co.
MICRO DIAL – Borg Equipment Div.
MICRO-DUCER – Clark Electronic Labs.
MICROFUSE – Littelfuse, Inc.
MICRO-GAP – Utah Radio Products Corp.
MICRO-GRAM – Fedtro Inc.
MICROID – Burnell & Co., Inc.
MICROLEVEL – Stevens-Arnold Inc.
MICROLINE – Sperry Microwave Electronics Co.
MICROLTER – Kay Electric Co.
MICROLYTIC – Micamold Electronics Mfg. Corp.
MICROMATCH – Jones Electronics Co., Inc., M.C., Sub. of Bendix Aviation Corp.
MICROMETER – Lampkin Laboratories, Inc.
MICROMOTOR – Redmond Co., Inc.
MICRO-NAMIC – Micro Balancing, Inc.
MICRO-NODE – Kay Electric Co.
MICROPAC – Era Pacific Inc.
MICROPAINT – Micro-Circuits Co.
MICROPIX – Litton Industries
MICROPOISE – Cook Electric Co.
MICROPOSITIONER – Barber-Colman Co.
MICRO POT – Borg Equipment Div.
MICROPULSE – Barber-Coleman Co.
MICRO-PULSER – Kay Electric Co.
MICROPUNCH – Moran Instrument Corp.
MICRO SCAN – James Electronics Inc.
MICRO-SHIMS – Staver Co., Inc.
MICROSIRE – Cook Electric Co.
MICROSOURCE – Southwestern Ind. Electronics Co.
MICRO-STAT – Pulse Engineering, Inc.
MICROSTRIP – Automation Electronics Inc.
MICROSYN – Minn-Honeywell Reg. Co.
MICROTEL – Lenkurt Electric Co., Inc.
MICROTHIN – Shamban & Co., W.S.
MICROTORQUE – Giannini Controls Corp.
MICROTRIM – Bourns, Inc.
MICROVAC – Stokes Corp., F.J.
MICROVOID – Air - Shields, Inc.
MIDGET – Sprague Electric Co.
MIDLAND – Associated American Winding Machy.
MIDLFEX-TM – Engelhard Industries, Inc.
MIDOHM – Driver-Harris Co.
MIG – Minatron Corp.
MIGHTY MITE – Mechanical Ind. Production Co.
MIKROVAN – Esso Standard, Div. of Humble Oil & Refining Co.
MIL-E-TRIM – Bourns Inc.
MILLI-MIKE – Edgerton, Germeshausen & Grier
MILLISEC – Stevens-Arnold Inc.
MILLISYN – Minn-Honeywell Reg. Co.
MOLDITE – National Moldite Co.
MOLYKOTE – Alpha Molykote Corp.
MONADLOC – Monadnock Mills Div. United Carr
MONARCH – Birmingham Sound Reproducers, Ltd.
MONASTRIPEP – Mona Industries, Inc.
MONATEL – Litton Industries
MONAUTRONIC – Budd Co.
MONDUR – Mobay Chemical Co.
MONITORADIO – I.D.E.A. Inc.
MONITORQUE – Giannini Controls Corp.
MONITRON – Moore Associates
MONOLYTHIC – Sprague Electric Co.
MONOMOTOR – Redmond Co., Inc.
MONOPAK – American Mach. & Foundry Co.
MONO-TET – W. L. Gore & Assoc., Inc.
MONROBOT – Monroe Calculating Machine Co.
MONTAUK – Munston Electronic Mfg. Corp.
MOODY KIT – Moody Machine Products Co., Inc.
MORFLEX-TM – Engelhard Industries, Inc.
MORPHO – Cannon Electric Co.
MOTORLYTIC – Micamold Electronics Mfg. Corp.
MOTOR-MIKE – Electro Capacitors Co.
MOTOROID – Leetronics, Inc.
MOTOROTOR – Apparatus Development Co., Inc.
MOTRAC – Motorola Communication & Electronics,
MOTRON – W. C. Robinette Co.
MOULIC/LITE – Moulic Specialties Co.
MOX-TAPE – Moxness Prod., Inc.
MOYNO – Robbins & Myers
MP – Murray Mfg. Corp.
M-PAC – Computer Control Co. Inc.
MPB – Minature Precision Bearings, Inc.
M.R. – Hinde & Dauch Div. of West Virginia Pulp & Paper Co.
M-R-C – Marlin-Rockwell Corp.
MRM – Milton Ross Co.
MT-JAX – Switchcraft, Inc.
MUDUCELL – Topatron, Inc.
MUFAX – Muirhead H Co., Ltd.
MUFFIN – Rotron Mfg Co., Inc.
MUFLEX-TM – Engelhard Industries, Inc.
MULTICODER – General Devices, Inc.
MULTICODERS – Applied Electronics Corp. of NJ.
MULTI-COMP – Sprague Electric Co.
MULTICON – Standard Electronics Div. of Reeves Inst. Corp.
MULTICYCLE – William I. Horlick Co., Inc.
MULTIDATA – Flight Research, Inc.
MULTI-ELMAC – Multi-Products Co.
MULTIMETERS – Rawson Electrical Instrument Co.
MULTIMORPH – Clevite Electronic Components Div. Clevite Corp.
MULTIPOT – Daystrom, Inc.
MULTIPOWER – Acoustica Associates, Inc.
MULTI-PULSER – Kay Electric Co.
MULTI-STACK – Consolidated Resistance Co. of Amer. Inc.
MULTI SWAGE – Bead Chain Mfg. Co.
MULTI-SWITCHES – Switchcraft, Inc.
MULTI-TET – W. L. Gore & Assoc., Inc.
MULTIVERTER – Packard-Bell Computer Corp.
MULTIWAVE – Narmco Materials Div.
MULTRATHANE – Mobay Chemical Co.
MULTRON – Mobay Chemical Co.
MUSIC KAR – Trans - Tel Corp.
MUSI-TALK – Fanon Electronic Ind., Inc.
MUVAR – Hamilton Watch Co.
MVR – Sorensen & Co., Inc.
MWI – Metalworks, Inc.
M/X – Mandex Mfg. Co., Inc.
MYKROY – Electronic Mechanics, Inc.
MYLAR – E. I. du Pont de Nemours & Co., Inc.
MY-T-MIDGET – American Rectifier Corp.

N – Philadelphia Quartz Co.
NADAR – Autonetics Div. North American Aviation, Inc.
NAGTRA – Electronics Applications, Inc.
NAMETTS – Swenson Co., Inc., V.H.
NAMOGRAPH – Kingsley Machine Co.
NARC – Stone Labs. Inc.
NARCO – National Aeronautical Corp.
NARCO MARK V – National Aeronautical Corp.
NARCO MARK VI – National Aeronautical Corp.
NARCO OMNIGATOR – National Aeronautical Corp.
NARCO SAPPHIRE – National Aeronautical Corp.
NARCOIL – NRC Equipment Corp.
MIL-STAK – Telemeter Magnetics Inc.
MINELCO – Miniature Electronic Components Corp.
MINEON – Drake Mfg. Co.
MINERALIGHT – Ultra-Violet Products, Inc.
MINIBUZZER – Line Electric Co.
MINICATOR – Industrial Devices, Inc.
MINICOM – General Devices, Inc.
MINICON – Connector Seals Corp.
MINI-CON – Switchcraft, Inc.
MINICUBE – Sanders Associates Inc.
MINIDUCTORS – United Transformer Corp.
MINIDYNE – Aerolab Development Co.
MINIFAN – Garrett Corp.
MINIFILTERS – United Transformer Corp.
MINI-FLEX – Hamner Electronics Co., Inc.
MINI-GATOR – Mueller Electric Co.
MINI-JACKS – Fedtro Inc.
MINI-JECTOR – Newbury Industries, Inc.
MINI-JOINTS – Falcon Machine & Tool Co.
MINI-LAB – Stanley Aviation Corp.
MINI-LINE – Magnetec Corp.
MINILINES – Columbia Technical Corp.
MINI-LYTICS – Pyramid Electric Co.
MINI-MARKERS – Westline Prods. Div. Western Lithograph Co.
MINI-MAX – Union Carbide Corp
MINI-MECH – Melpar, Inc.
MINI-MIKE – Telex Inc.
MINIMITE – Astron Corp.
MINIMITE – Thermo Electric Co.
MINI-MIX – Switchcraft, Inc.
MINI-MOD – Cleveland Metal Specialties Co.
MINI MODULE – Ansley Mfg. Co., Arthur
MINI-NOISE – Microdot, Inc.
MINI-OHM – Sprague Electric Co.
MINIPAK – Radio Specialty Mfg. Co.
MINIPLATE – Gulton Industries, Inc.
MINIPLEXER – Ascop Div. Electro Mech. Research Inc.
MINIRELAY – Ebert Electronics Corp.
MINI-SCOPE – EPR Special Products Corp.
MINI-SHIELDS – Staver Co., Inc.
MINISEL – Electronic Devices, Inc.
MINISIG – Engineered Electronics Co.
MINISOURCE – Electronic Assembly Co., Inc.
MINI-SPOT – Pesco Products Div. Borg-Warner
MINI-SPRINGS – Staver Co., Inc.
MINISTRIP – Ward Leonard Electric Co.
MINITAPE – Stancil-Hoffman Corp.
MINITEL – Westrex Corp.
MINI-THIN – Thermax Wire Corp.
MINI-TRAK – Western Devices, Inc.
MINI-TYPER – Shepard Labs. Inc.
MINI-VOLT – Industrial Devices, Inc.
MINI-VOX – Fedtro Inc.
MINOCHRON – Jordan Electronics
MINOXO – Engelhard Industries, Inc.
MINSTREL – I.H. Mfg. Co.
MINUET – Beltone Hearing Aid Co.
MIRACLE TAPE – Gering Plastics Div.
MISSILE MODULE – Ansley Mfg. Co., Arthur
MISSILITES – Marco Industries Co.
MISSILMITE – Micamold Electronics Mfg. Corp.
MITEY-MIX – Fedtro Inc.
MI-T-MAG – Ferricore, Inc.
MI-T-MAG – National Moldite Co.
MIX-AMPS – Switchcraft, Inc.
M-JAX – Switchcraft, Inc.
MK 5 APR – Canadian Applied Research Ltd.
MO – CBC Electronics Co. Inc.
MOBILFONE – Mobil Electronics Inc.
MOBILMATIC – Mobil Electronics Inc.
MOBILPAGE – Midwest Audio Corp.
MOBILTEL – Lenkurt Electric Co., Inc.
MOBILTONE – Mobil Electronics Inc.
MODIFIED HILO – Driver Co., Wilbur B.
MODUCELL – Topatron Inc.
MODULEC – Modelectric Products Corp.
MODULINE – Sprague Electric Co.
MODULITE – Bach Auricon Inc.
MODULOK – Burndy Corp.
MODU-MERC – Vapor Heating Corp.
MODU-RAK – Premier Metal Products Co.
MODU-WAVE – Sciaky Bros, Inc.
MO-HY – Forsberg Mfg. Co.
MOISTEMP – Rockbestos Wire & Cable Co.
MOISTURE MONITOR – Strandberg Engrg Labs.
MOLCOTE – Frenchtown Porcelain Co.
MOLDED ON – Barker Products Co.
MOLDITE – Ferricore, Inc.
NARMTAPE – Narmco Materials Div.
NASSAU – Munston Electronic Mfg. Corp.
NATFAB – National Fabricators Inc.
NATIONAL – Valco Mfg. Co.
NATITE – National Ceramic Co.
NAUTILUS – Linemaster Switch Corp.
NAVCOR – Navigation Computer Corp.
NAVIGATOR – E.F. Johnson Co.
NAVONIC – Navan Products, Inc.
NCR – National Cash Register Co.
NEBULA – Esso Standard, Div. of Humble Oil & Refining Co.
NECON – Nippon Electric Co., Ltd.
NELCO – Etchomatic, Inc.
NELEX – Nelson Electric Mfg. Co.
NEMO – Nuclear Chicago Corporation
NEOCORK – Auburn Mfg. Co.
NEOFLOW – Peerless Photo Products, Inc.
NEOLUBE – Huron Industries
NEOX – Thermocal Div.
NESA – Pittsburgh Plate Glass Co.
NETCO – New England Tape Co. Div. of United-Carr Fastener Corp.
NETCOSEL – New England Tape Div. United-Carr Fastener Corp.
NETIC – Magnetic Shield Div., Perfection Mica Co.
NEUMANN – Gotham Audio Corp.
NEUTROLOY – Molecu-Wire Corp.
NEVACO – Nelson Vacuum Pump Co., George F.
NIAGRITE – Johns-Manville.
NIBSCREWS – Shakeproof Div., Ill. Tool Wks.
NICHROME – Driver-Harris Co.
NICHROME V – Driver-Harris Co.
NICLOY – Babcock & Wilcox
NICOSEAL – Carpenter Steel Co.
NICOTE – Frenchtown Porcelain Co.
NIFORGE – General Communication Co.
NIFTY KNICKNACK – AKRO-Mils, Inc.
NILSTAIN – Driver Co., Wilbur B.
NILVAR – Driver-Harris Co.
NINE LIVES – Union Carbide Corp.
NIREX – Driver-Harris Co.
NIROMET 46 – Driver Co., Wilbur B.
NIRON 52 – Driver Co., Wilbur B.
NITE-EYE – Q.O.S. Corp.
NITE-LAMP-LIGHTER – Fedtro Inc.
NITEX – Kressilk Products Inc.
NITRO-GEN – Hayes, Inc., C. I.
NIXIE – Burroughs Corp.
NO-ARC – Chemtronics Inc.
NOBALLOY – Continental-Wirt Electronics Co.
NOBATRON – Sorensen & Co., Inc.
NOBELETTE – Continental-Wirt Electronics Co,
NOBLEWEST – Noble & Westbrook Mfg. Co.
NOBL-OHM – Fairchild Controls Corp.
NOBRUSH – Georator Corp.
NOCOMBO – Forsberg Mfg. Co.
NOFLOTE – Evershed & Vignoles Ltd.
NO NOISE – Electronic Chemical Corp.
NO NOISE TUNER-TONIC – Electronic Chemical Corp.
NOPCOFOAM – Nopco Chemical Co.
NORBIDE – Norton Co.
NORELCO – Philips Electronic Instrument
NORPLAC – Northwest Plastics Inc.
NORPLEX – Northern Plastics Corp.
NORSEMAN – Erikson Specialized Tool Co.
NOX-TARNISH – Daubert Chemical Co.
NPC – Nucleonic Products Co.
NR – Edward Segal
NRD – Nuclear Corp. of America
NR-ESSM – Edward Segal
NU-BLAC – Star Porcelain Co.
NUCLEAN – National Utrasonic Corp.
NUCLEARULE – Nuclear Chicago Corporation
NUCLIBADGE – Nuclear Chicago Corporation
NUCOR – Central Electronic Mfrs. Div. of Nuclear Corp. of America.
NUCOR – Nuclear Corp. of America
NUMECHRON – Pennwood Numechron Co.
NUMILL – Autonetics Div. North American Aviation.
NUTT-SHEL – Standard Pressed Steel Co.
NYCO – New York Coil Co., Inc.
NYLEZE – Phelps Dodge Copper Products Corp.
NYLOCLIP – Burndy Corp.
NYLOFAST – Anti-Corrosive Metal Products Co.
NYLOFILM – Shamban & Co., W.S.
NYLONITE – Plastic Wire & Cable Corp.
NYLON-ZIP – Waldes Kohinoor, Inc.
NYLOTUBE – Shamban & Co., W.S.

NYTRAN – New York Transformer Co.
NYTRONICS – New York Transformer Co.

OAKITE – Oakite Products Inc.
OAKITE DRYCID – Oakite Products Inc.
OAKWOOD – Osborn Products.
OBSERVER – Blonder-Tongue Laboratories, Inc.
OCTO-LET – Fedtro Inc.
OFC – Ortho Filter Corp.
OGP – Optical Gaging Products, Inc.
OHIO-APEX – Food Machinery & Chemical Corp.
OHIOHM – Ohio Carbon Co.
OHMAX – Driver-Harris Co.
OHMOID – Wilmington Fibre Specialty Co.
OHM SPUN – States Co.
OHMSTONE – Johns-Manville.
OIL FOIL – American Felt Co.
OK – Eagle Electric Mfg. Co., Inc.
OKEMCO – Oakite Products Inc.
OMEGALITE – Omega Laboratories Inc.
OMNI-GLOW – Industrial Devices, Inc.
OMNI-LENS – Acoustica Associates, Inc.
OMNITENNA – Tennalab.
1-J R – Carpenter Steel Co.
O-PAC – Opad Electric Co.
OPALON – Monsanto Chemical Co.
OPITHERM – Barnes Engineering Co.
OPTEL – Presin Co.
OPTISYN – Dynamics Research Corp.
OPTOSIL – Engelhard Industries, Inc.
ORANGE DROP – Sprague Electric Co.
OROSENE 999 – Technic Inc.
OROTHERM HT – Technic Inc.
ORTHOLOG – Gulton Industries, Inc.
ORTHONOL – Magnetics Inc.
OSCAR – Benson-Lehner Corp.
OSCIDUCER – Solid State Electronics Co.
OSTUCO – Ohio Seamless Tube Div., Copperweld Steel Co.
OTHOSIL – Thomas & Skinner Inc.
OUNCER – United Transformer Corp.
OVALTUBE – Plastoid Corp.
OXIRON – Food Machinery & Chemical Corp.
OXLEY – British Radio Electronics, Ltd.
OYLTITE-STIK – Lake Chemical Co.

PA – Aerovox Corp.
PACE – Precision Apparatus Co., Inc.
PACE – Electronic Associates Inc.
PACER – Sprague Electric Co.
PACE SETTER – JFD Electronics Corp.
PACITOR – Simmonds Aerocessories Inc.
PACITRON – Simmonds Aerocessories, Inc.
PACO – Precision Apparatus Co., Inc.
PAGEMASTER – Stromberg-Carlson
PAISLEY – Morningstar-Paisley, Inc.
PAL – JFD Electronics Corp.
PALS – Palnut Co., Div. of United - Carr Fastener Corp.
PAMCO – Paraplegics Mfg. Co., Inc.
PANACOUSTIC – U S Recording Co.
PANADAPTOR – Panoramic Radio Products Inc.
PANALYZOR – Panoramic Radio Products Inc.
PANAR – Sanders Associates Inc.
PANDUCT – Panduit Corp.
PANDUX – Pacific Transducer Corp.
PAN EL – Pan-Electronics Corp.
PANELPACK – Waterman Products Inc.
PANELSCOPE – Waterman Products Inc.
PANORAMA – JFD Electronics Corp.
PANORAMIX – Comet Co.
PAR-AC – Cleveland Instrument Co.
PARA-FILTER – Burke & James, Inc.
PARATEX – Blocksom & Co.
PARICODE – North Electric Co.
PARKER-KALON – General American Transportation Corp.
PATHFINDER – Newcomb Audio Products Co.
PEAC – Barnes Engineering Co.
PEC – Printed Electronic Components Ltd.
PECO – Pacific Electricord Co.
PEDALINE – Line Electric Co.
PEDIGREE – George Co., P.D.
PEERLESS – National Vulcanized Fibre Co.
PEE-WEE – Mueller Electric Co.
PEGI – Adalet Mfg. Co.

PEM – Penn Engineering & Mfg. Co.
PENCO – Pacific Electro - Nuclear Corp.
PENETRANT – Oakite Products Inc.
PENNTUBE – Pennsylvania Fluorocarbon Co.
PEN-RAY – Ultra-Violet Products, Inc.
PEN-RAY – Blacklight Corp. of America
PENTON – Hercules Powder Co., Inc.
PERECO – Pereny Equipment Co., Inc.
PERFECTION – National Felt Co.
PERFECTIONIST – Fedtro Inc.
PERFECT-O-CUT – Tablet & Ticket Co.
PERFECTONE – Jensen Industries, Inc.
PERF-I-KAL – Hallmark Nameplate Inc.
PERISCOPE – JFD Electronics Corp.
PERLE – Burke & James, Inc.
PERMA-BAND – Krengel Mfg. Co., Inc.
PERMA BRUSH – General Devices, Inc.
PERM-A-CAPS – Chicago Condenser Corp.
PERMA DYNE – Melody Master Mfg. Co.
PERMAFORCE – Waltham Precision Instr. Co.
PERMAGRID – Driver Co., Wilbur B.
PERMA-GRIP – Krengel Mfg. Co., Inc.
PERMA-LINE – Optical Gaging Products, Inc.
PERMA-LOK – JFD Electronics Corp.
PERMA-NUT – Tubular Rivet & Stud Co.
PERMA PAPER – Sanborn Co.
PERMASEAL – Guardian Electric Mfg. Co.
PERMASEAL – Sprague Electric Co.
PERMATAGS – Actioncraft Products.
PERMA-TORQ – Cambridge Thermionic Corp.
PERMIC-CAL – Topflight Corp.
PERMOCARB – Driver Co., Wilbur B.
PERMO POINT – Permo, Inc.
PERMO POINT – Fidelitone, Inc.
PEXTO – Peck, Stow & Wilcox Co.
PHALON – Phalo Plastics Corp.
PHANTOM – Ward Products Corp.
PHASEOMETER – Wintronics
PHAZOR – Industrial Test Equipment Co.
PHENOLITE – National Vulcanized Fibre Co.
PHIL-TROL – Phillips Control Corp.
PHOENIX – Keuffel & Esser Co.
PHOLOCHRON – Photocron Research, Inc.
PHONOLA – Waters Conley Co.
PHONOSTROBE – Berkshire Labs.
PHOSON – United Wire & Supply Corp.
PHOTOSWITCH – Electronics Corp. of America.
PHOTO-TAPE – Bach Auricon, Inc.
PHOTOTRON – Thomas Electronics, Inc.
PHOTO-TRONIC – American Research Lab.
PI-CAPS – Chicago Condenser Corp.
PIC BOOST – CBC Electronics Co. Inc.
PIC SYNC – Fairchild Recording Equip. Corp.
PIEZITE – Endevco Corp.
PIG-TAILOR – Bruno – N.Y. Industries Corp.
PINHEAD – Sprague Electric Co.
PINPOT – Bourns, Inc.
PIPETITE-STIK – Lake Chemical Co.
PIP-JET – JFD Electronics Corp.
PISTOGRIP – Wall Mfg. Co., P.
PITLOG – Pitometer Log Corp.
PIXIE – Ward Products Corp.
PIXIE – Burroughs Corp.
P-K – General American Transportation Corp.
PLANETGEAR – Haydon Instrument Co.
PLANOFAX – Litton Industries
PLANOFAX – Times Facsimile Corp.
PLAQOHM – Ward Leonard Electric Co.
PLASCENE – Chester Cable Corp.
PLASKON – Plastics & Coal Chem Div. Allied Chem Corp.
PLAS-PREG – Furane Plastics Inc.
PLAST-ALUM – Heeger Inc.
PLASTI-BRASS – Anchor Ind'l. Co. Div., Anchor Plastics Co.
PLASTICAL – C&D Batteries, Div. of the Electric Autolite Co.
PLASTICEL – Electronic Devices, Inc.
PLASTICLAD – Chester Cable Corp.
PLASTICON – Condenser Products Div. New Haven Clock & Watch Co.
PLASTICORE – Chester Cable Corp.
PLASTICORD PLASTICSEAL – Chester Cable Corp.
PLASTICOTE DUROFLOW – Chester Cable Corp.
PLASTIFELTS – Felters Co.
PLASTI-FLEX – Auburn Mfg. Co., The.
PLASTOMETER – Fischer & Porter Co.
PLASTO-PAK – Standard-Toch Chemicals, Inc.
PLASTURBO – Master Appliance Mfg. Co.

PLATANEX – Sel-Rex Corp.
PLEXICON – Erie Resistor Corp.
PLEXITEL – Litton Industries
PLEXTONE – Maas & Waldstein Co.
PLICA – Flexaust Co.
PLIOBOND – Goodyear Tire and Rubber Co.
PLIOFLEX – Goodyear Tire & Rubber Co.
PLIOGRIP – Goodyear Tire and Rubber Co.
PLIOLITE – Goodyear Tire & Rubber Co.
PLIOVIC – Goodyear Tire and Rubber Co.
PLNS-50 – Reeves Soundcraft Corp.
PLNS-100 – Reeves Soundcraft Corp.
PLUG IN LIMIT – Micro Switch
PLUMBER KRAK-STIK – Lake Chemical Co.
PLUS MODULE – Ansley Mfg. Co., Arthur
PLYAMINE – Reichhold Chemicals, Inc.
PLYAMUL – Reichhold Chemicals, Inc.
PLYMASTER – Rubber & Asbestos Corp.
PLY-ON – Apeco Amer. Photocopy Equip. Co.
PLYOPHEN – Reichhold Chemicals, Inc.
PLY-PAK – Hinde & Dauch Div. of West Virgina Pulp & Paper Co.
PLYTUBULAR – Tennalab.
PMS – Milton Ross Co.
PNR – Rockbestos Wire & Cable Co.
POCKETAPE – Broadcast Eqpt. Specialties Corp.
POCKETSCOPE – Waterman Products Inc.
POINT SEVEN – Permo, Inc.
POKE WELDER – Pioneer Industries Div. of Almar-York Co., Inc.
POLAR-AIRE – Ed-Berl Products Inc.
POLICARB – Driver Co., Wilbur B.
POLIFLEX-TM – Engelhard Industries, Inc.
POL-LAR – Precision Paper Tube Co.
POLY-BOND – Bridgeport Insulated Wire Co.
POLYBOND – Polymer Industries Inc.
POLYCAP – Aerovox Corp.
POLYCOUPLER – CGS Labs., Inc.
POLYFILM – Dow Chemical Co.
POLYMET – Cosmic Radio Corp.
POLY-PEDANCE – Chicago Standard Transformer
POLYRANGERS – Sensitive Research Instrument
POLY SAVERS – Poly Scientific Corp.
POLYSONIC – McKenna Laboratories
POLYTET – Ethylene Corp.
POLY-VARICON – Argonne Electronics Mfg. Corp.
POLYVIAL – Olympic Plastics Co. Inc.
PONOGOMETER – Acton Laboratories, Inc.
POOL-GARD – Consolidated Productions Inc.
POP – United Shoe Machinery Corp.
PORO TUBE – Lamtex Industries Inc.
PORTA CHIEF – Audio Equipment Co., Inc.
PORTACOM – Du Mont Labs., Inc., Allen B.
PORTAPEX – Apex Coated Fabrics Co.
PORTA-VOX – Polytronic Research, Inc.
PORTOVENT – Flexaust Co.
POSITIVE LOK – Grand Sliding Mechanisms
POSTLITE – Drake Mfg. Co.
POTTERMETER – Potter Aeronautical Corp.
POWAIR – Dean and Benson Research Div. of Benson Mfg. Co.
POWASERT – United Shoe Machinery Corp.
POWEREEL – Industrial Electrical Wks.
POWER-HELIX – JFD Electronics Corp.
POWERHOUSE – Fedtro Inc.
POWERLOID – Guardian Electric Mfg. Co.
POWERMASTER – Jem Electronics Corp.
POWER-MITE – Fedtro Inc.
POWER-O-MATIC – Blue M Electric Co.
POWERSEL – Electronic Devices, Inc.
POWER SPECTRAL – Panoramic Radio Products,
POWERSTAT – Superior Electric Co.,
POWER STREAK – American Electric Cable Co.
POWERTRAN – Ferrotran Electronics Co., Inc.
POWERTRON – Industrial Test Equipment Co.
POWR AMP – Hagan Chemicals & Controls Inc.
POWR LOG – Hagan Chemicals & Controls Inc.
POWR MAG – Hagan Chemical & Controls Inc.
POWRMITE – Filtors, Inc.
POWRPAGE – University Loudspeakers, Inc.
POXYLUBE – Poly-Chem.
PP – Fansteel Metallurgical Corp.
PR – Peterson Radio Co., Inc.
PRACTI-CALL – Standard Electric Time Co.
"PRC" – Products Research Co.
PREAC – Airpax Electronics Inc.
PRECISE-OHM – Precision Inc.
PREM-O-RAK – Premier Metal Products Co.
PRENTISS – Riverside-Alloy Metal Div.
PRESS-FIT – Sealectro Corp.

PRESSITE – West Virgina Pulp & Paper Co.
PRESSTAKER – Cramer Controls Corp.
PRES-SURE – Buchanan Electric Products Corp.
PRESSWIMITE – Bendix Aviation Corp.
PRES-TITE – Wind Turbine Co.
PRESTO – Bogen-Presto Div. Siegler Corp.
PRINTAPIX – Litton Industries
PRINTATE – American Printed Circuits Co., Inc.
PRINT-LOK – Sprague Electric Co.
PRINTOHM – Sprague Electric Co.
PRINT-STIX – Topflight Corp.
PRINTWEIGHT – Toledo Scales Div. Toledo Scale
PRIVATE-EAR – Fedtro Inc.
PRIVATEL – North Electric Co.
PRIVATE-LEE – Fedtro Inc.
PROCESS ENGRAVING – Ackerman Engravers, Inc.
PROCETROL – Magnetic Instruments Co., Inc.
PRO-FAX – Hercules Powder Co., Inc.
PROFESSIONAL – Trimm, Inc.
PROFESSIONAL – Components Corp.
PROFICORDER – Micrometrical Mfg., Co.
PROFILE MONITOR – Advanced Technology Labs.
PROFILOMETER – Micrometrical Mfg., Co.
PRO-GLO – American Mach. & Foundry Co.
PROGRAMATION – Guardian Electric Mfg. Co.
PROGRAMMER – Guardian Electric Mfg. Co.
PROJECTAR – Rangertone Inc.
PROKAR – Sprague Electric Co.
PROMATIC – General Control Co.
PRONG-LOCK – Waldes Kohinoor, Inc.
PROPELLON – Heeger Inc.
PROPIMAX – Rotron Mfg. Co., Inc.
PRORECO – Products Research Co.
PRO-SEAL – Coast Pro-Seal & Mfg. Co.
PROTECT-O-LITE – Energy Kontrols, Inc.
PROTEXTUBE – Eagle Electric Mfg. Co., Inc.
PROTOLOY – Molecu-Wire Corp.
PROTYPE – Phillips Process Co., Inc.
PROX-A-PICKUP – Minatron Corp.
PRP – Photocon Research Products.
PSYCHRON – Bendix Aviation Corp.
PULSESCOPE – Waterman Products Inc.
PULSIGNAL – A. R. F. Products, Inc.
PULSITE – Airpax Electronics Inc.
PULTEC – Pulse Techniques, Inc.
PUNCHTROL – Jordon Controls, Inc.
PUREBON – Pure Carbon Co.
PURIDRYER – Engelhard Industries, Inc.
PURIVAC – Commercial Filtors Corp.
PUSHLOCK – Whitso, Inc.
PUSHNUT – Palnut Co., Div. of United-Carr Fastener Corp.
PYLE-STAR-LINE – Pyle-National Co.
PYLETS – Pyle-National Co.
PYRAMID POINT – Fidelitone, Inc.
PYRISTOR – Thermocal Div.
PYRO – Pyrometer Instrument Co.
PYROCOUPLE – Royco Instruments Inc.
PYROFUZE – Cohn Corp., Sigmund
PYROHM – Aerovox Corp.
PYRO SEAL – Pyrofilm Resistor Co., Inc.
PYROTEL – Mason Instrument Co.
PYROTEM – Royco Instruments Inc.
PYROX – Pyro - Electric, Inc.
PZT – Clevite Electronc Components Div. Clevite

Q-BESTON – Auburn Mfg. Co., The.
Q-LINES – Columbia Technical Corp.
QMV – Brush Beryllium Co.
QUADLITE – Control Switch Div., Controls Co., of Amer.
QUAD PLUS – Black Light Product, Inc.
QUALICOUNT – American Hydromath Corp.
QUALITROL – American Hydromath Corp.
QUANTOGRAPH – Applied Research Laboratories
QUANTOMETER – Applied Research Labs., Inc.
QUANTOVAC – Applied Research Labs., Inc.
QUANTROL – Applied Research Labs., Inc.
QUELARC – Pyle-National Co.
QUICK HOT – Wen Products, Inc.
QUICK LOCK – Simmons Fastener Corp.
QUICK SILVER – Peerless Photo Products, Inc.
QUICK-SOL – Bridgeport Insulated Wire Co.
QUICK-WEDGE – Kedman Co.
QUICKWIRE – Leviton Mfg. Co., Inc.
QUIET – Leviton Mfg. Co., Inc.
QUIK-REG – Hinde & Dauch Div. of West Va. Pulp & Paper Co.

QUIK RIG – JFD Electronics Corp.
QUINORGO – Johns-Manville.
QUINORGOBORD – Johns-Manville.
QUINTERRA – Johns-Manville.
QUINTERRABORD – Johns-Manville.
RACE – Sperry Microwave Electronics Co.
RACK-CADDY – Escotronics
RACKMOBILE – Escotronics
RACK-VOLT – Nutron Mfg. Co., Inc.
RAD-A-COR – Magnetic Core Corp.
RADAN – GPL Div., General Precision, Inc.
RADA-NODE – Kay Electric Co.
RADA-PULSER – Kay Electric Co.
RADARLIGNER – Kay Electric Co.
RADA-SWEEP – Kay Electric Co.
RADELIN – U.S. Radium Corp.
RADI-AIRE – Reynolds Electric Co.
RADICON – Radiation, Inc.
RADICORDER – Radiation, Inc.
RADIFLO – American Electronics Co.
RADIOCARB – Driver Co., Wilbur B.
RADI-O-COM – Trans-Tel Corp.
RADIODYNE – Western Coil & Electrical Co.
RADIOEAR – Myers & Sons, Inc., E.A.
RADIOGIVIT – Elomag Sprl.
RADIOHM – Centralab Electronics Div. of Globe Union, Inc.
RADIOHM – Driver-Harris Co.
RADIOTRON – Radio Corp. of America
RADIPLEX – Radiation, Inc.
RADIQUAD – Radiation, Inc.
RAF – Robbins Aviation, Inc.
RAFAX – HRB-Singer, Inc.
RAINBOW – Channel Master Co.
RAMCOR – Radar Measurements Corp.
RANAREX – Permutit Co. A Div. of Pfaudler Permutit Inc.
R & M – Robbins & Myers
RAND-O-MATIC – Ling Electronics.
RANGER – E.F. Johnson Co.
RATIOTRAN – Gertsch Products, Inc.
RAWSON – Formsprag Co.
RAY-BOND – Raybestos-Manhattan, Inc.
RAYCHRONIX – Nuclear Corp. of America
RAYESCENT – Westinghouse Electric Corp.
RAYFLEX-TM – Engelhard Industries, Inc.
RAYMASTER – George W. Gates & Co.
RAYOLIN – Raychem Corp.
RAYONIC – Waterman Products Inc.
RAYOTUBE – Leeds & Northrup Co.
RAYSONDE – Bendix Aviation Corp.
RBI – Automation Industries Inc.
R. C. E. – Hunt Co., Philip A.
RDC – Rotary Devices Corp.
RdF STIKON – Ruge Associates, Inc., Arthur C.
RDR – Radio Development & Research Corp.
REA – Aluminum Co. of America
REAC – Reeves Instrument Corp.
READALL – Union Switch & Signal Div.
REALI-SLIM – Kaydon Engineering Corp.
REAPAK – Rea Magnet Wire Co., Inc.
RE-CIRK-IT – Heinemann Electric Co.
RECO – Reynolds Electric Co.
RECOMP – Autonetics Div. North American Aviation, Inc.
RECONOFAX – HRB-Singer, Inc.
RECTAGON – Goerz American Optical Co., C. P.
RECTICHARGER – Raytheon Co.
RECTIFILTER – Raytheon Co.
RECTIRINGER – Raytheon Co.
RECTODYNE – Christie Electric Corp.
REDHEAD – Clevite Electronic Components Div. Clevite Corp.
RED LINE – G-V Controls, Inc.
RED STREAK – Brown Bridge Mills
RED WOOD – JFD Electronics Corp.
REEDEER – Reeder & Co., Charles M.
REEVELEC – Reeve Electronics, Inc.
REF-AMPS – Transitron Electronic Corp.
REFLECTAR – Zoomar, Inc.
REF'RASIL – Thompson Fiberglass Co., H.J.
REFRIGIFILTER – Hankinson Corp.
REFVOLT – Consolidated Controls Corp.
REGATRAN – Electronic Measurements Co., Inc.
REGATRON – Electronic Measurements Co., Inc.
REGENCY – I.D.E.A. Inc.
REGOHM – Electric Regulator Corp.
REGULAR – National Specialties Co.
REGULINEAR – Continental Electronics Mfg. Co.
REJAFIX – Popper & Sons, Inc.
REK-TANG – Ludlow Saylor Wire Cloth Co.
RELIANCAP – Micamold Electronics Mfg. Corp.
RELIANT – Radio Engineering Labs., Inc.
RELOID – Guardian Electric Mfg. Co.
RELOK – Lehigh Metal Products Co.
REMBRANDT – Burke & James, Inc.
REMCON – Pyramid Instrument Corp.
REMI – U. S. Components, Inc.
REMOTROL – Midwest Electric Prod.
REMSELAIRE – Remsel Industries Inc.
REPAIRACK – JFD Electronics Corp.
REPEATER – Kemlite Laboratories Inc.
RESIMENE – Monsanto Chemical Co.
RESINITE – Precision Paper Tube Co.
RESINOX – Monsanto Chemical Co.
RESISTRIM – Bourns Inc.
RESTRICTOR – North Electric Co.
RETRO-LAR – Precision Paper Tube Co.
REV-LOK – Formsprag Co.
REVMASTER – Opad Electric Co.
REX – Trimm, Inc.
REXO – Burke & James, Inc.
REZSEAL – Sprague Electric Co.
RHODEX – Sel-Rex Corp.
RHODIUM SULPHATE TP – Technic Inc.
RIBBON HEAT AREONAUTICAL – Cox & Co., Inc.
RIBFLEX – Ward Leonard Electric Co.
RIBOHM – Ward Leonard Electric Co.
RI-CAP – Radio Industries, Inc.
RICHMOND – Lowell Mfg. Co.
RIFA – Presin Co.
RIGIDAMP – Barry Controls, Inc.
RIGID "800" – Prodelin, Inc.
RI-LON – Radio Industries, Inc.
RIMGUARD – General American Transportation.
RING BALANCE – Hagan Chemicals & Controls.
RING DING – Delevan Electronics Corp.
RING-JET – Stokes Corp., F.J.
RI-TRAN – Radio Industries, Inc.
R/M – Raybestos-Manhattan, Inc.
R.M.C. DISCAPS – Radio Materials Co.
ROBERTSHAW – Fulton Sylphon Div. Robertshaw Fulton Controls
ROBOT – Miller Harris Instrument Co.
ROBOTEC – Power Designs, Inc.
ROBOTEMP – Ulanet Co., George
ROBOTESTER – Lavoie Laboratories, Inc.
ROCKET – JFD Electronics Corp.
ROCKLOID – Standard-Toch Chemicals, Inc.
RODAR – Driver Co., Wilbur B.
ROKIDE – Norton Co.
ROLENE – Rome Cable Div. of Alcoa
ROLLPIN – Elastic Stop Nut Corp.
ROLON – Rome Cable Div. of Alcoa
ROME – Aluminum Co. of America
ROMEX – General Cable Corp.
ROSCO – Rosenberg Bros.
ROTALYZER – Kay Electric Co.
ROTO JET – Electric Regulator Corp.
ROTO LOCK – Simmons Fastener Corp.
ROTO-MARKER – Acromark Co.
ROTOMATIC – E.F. Johnson Co.
ROTORACE – Sperry Gyroscope Co.
ROTOR QUEEN – Radio Merchandise Sales, Inc.
ROTOSIL – Engelhard Industries, Inc.
ROTO-TELLITE – Master Specialties Co.
ROTO-TORK – Haydon Co., A.W.
ROYAL BLUE – Permaflux Products Co.
ROYALITIC – Industrial Condenser Corp.
ROYLYN – Airaterra
RPC – Resistance Products Co.
RPM – ACDC Electronics, Inc.
RS – Switchcraft, Inc.
R-STACK – Consolidated Resistance Co. of America.
RUBAL – Ruby Chemical Co.
RUBBON – All-State Welding Alloys Co., Inc.
RUBRGLAS – A. P. M., Corp.
RUBYFLUID – Ruby Chemical Co.
RULON – Dixon Corp.
RURALINE – Plastic Wire & Cable Corp.
RUST-BAN – Esso Standard, Div. of Humble Oil & Refining Co.
RUSTRAK – Rust Industrial Co.
RUSTRIPPER – Oakite Products Inc.
RUT – Minatron Corp.
RX – Instru-Lec Corp.
RYANAV – Ryan Electronics Div., Ryan Aeronautical Co.
RYCOM – Railway Communications, Inc.
RYETRAN – Rye Sound Corp.
SABRE – Antenna Designs Inc.
SABREX – Navan Products, Inc.
SADIC – Consolidated Electrodynamics Corp.
SADT – Philco Corp.
SAES – Getters Electronics Inc.
SAFELET – Heinemann Electric Co.
SAFE-T-CLIP – Industrial Devices, Inc.
SAFLEX-TM – Engelhard Industries, Inc.
SAF-T-CUT – Bay State Abrasive Products Co.
SA FUSE – Electric Machinery Mfg. Co.
S. AL – Tru Ohm Prods. Div.
SALI – Adalet Mfg. Co.
SAL-MET – L.M.B.
SALOX – Allegheny Plastics, Inc.
SANSTRESS – Sanford Plastics Corp.
SARAH – Simmonds Aerocessories, Inc.
SARONG – Sylvania Electric Prods. Inc.
SAT – Philco Corp.
SATELLITE-HELIX – JFD Electronics Corp.
SATOR – Wells, Co., Inc. Gary
SATUROL – Oakite Products Inc.
SAUCER – Rotron Mfg. Co., Inc.
SAVBIT – Multicore Sales Corp.
SAWTOOTH BELLEVILLE – Garret Co., Inc. Geo. K.
SBT – Philco Corp.
SCANOSCOPE – Grimson Color, Inc.
S.C.E. – Hunt Co., Philip A.
SCHJELBOND – Schjeldahl Co., G. T.
SCHUYLERNIT – Schuyler Mfg. Corp.
SCOPE DOLLY – P.B.R. Mfg. Co.
SCOPEMASTER – X-Ray Products Corp.
SCOTCH – Minnesota Mining & Mfg. Co.
SCOTCHCAST – Minnesota Mining & Mfg. Co.
SCOTTIE – Remler Co.
SCREW-LOCK – Heli-Coil Corp.
SCRIPTCAL – C & H Supply Co.
SEA-DEEP – Multi-Products Co.
SEAFAX – Times Facsimile Corp.
SEAL – Philadelphia Quartz Co.
SEALBRITE – London Chemical Co.
SEALCAP – J.F.D. Electronics Corp.
SEALINK – Burndy Corp.
SEAL-OFF – Taylor – Winfield Corp.
SEAL VAC – Ultek Corp.
SEA-RAD – Multi-Products Co.
SECTOR – Jensen Mfg. Co.
SEELBOLTS – A. P. M. Corp.
SEELRIVITS – A.P.M. Corp.
SEELSKREWS – A. P. M. Corp.
SEE-THRU – Krengel Mfg. Co., Inc.
SEEZAK – Rimak, Inc.
SELECTACON – Tape Cable Corp.
SELECTENNA – Channel Master Co.
SELECTOPHON – Audio-Master Corp.
SELEKTA – Associated America Winding Machy., Inc.
SELENIBRAKE – American Rectifier Corp.
SELENIFIER – American Rectifier Corp.
SELENIVAC – American Rectifier Corp.
SELF-CHECKING – Sensitive Research Instrument Corp.
SEL-LOK – Standard Pressed Steel Co.
SELMOR – Hinde & Dauch Div. of West Va. Pulp & Paper Co.
SEMICAP – International Rectifier Corp.
SEMIHEAT – Semicon, Inc.
SEMILITE – Semicon, Inc.
SENIOR – Linemaster Switch Corp.
SENSORY – P. A. Sturtevant Co.
SENTERCEL – Standard Telephones & Cables, Ltd.
SENTERCET – Standard Telephones & Cables, Ltd.
SENTRI SEAL – New Departure Div., GMC
SEPALINE – Burke & James Inc.
SERIES 6000 – Terado Co.
SERRASOID – Radio Engineering Labs., Inc.
SERTOMAT – Hill Machine Co.
SERVICESPOOL – Alpha Wire Corp.
SERVICE SAVERS – JFD Electronics Corp.
SERVOFLIGHT – Servo Corp. of America
SERVOLAB – Servo Corp. of America
SERVOSCOPE – Servo Corp. of America
SERVOSPEED – Servospeed Div., Electro Devices,
SF-JAX – Switchcraft, Inc.
SHAFTROL – Jordon Controls, Inc.
SHARPIE – Fedtro Inc.
SHORTY – JFD Electronics Corp.
SHOWMAN – Channel Master Co.
SHRINK-FIT – Dielectric Materials Co.
SHRINK-TITE – Dielectric Materials Co.
SHUR-CODE – Westline Products Div. of Western Lithograph Co.
SHUVEE – Entron, Inc.
SICON – Midland Industrial Finishes Corp.
SIECO – Sherman Industrial Electronics
SIE-MARC – Southwestern Ind. Electronics Co.
SIERRA-LITE – Sierra Electric Corp.
SIERRAPLEX – Sierra Electric Corp.
SIERRA TRIPLEX – Sierra Electric Corp.
SIERRA-WARE – Sierra Electric Corp.
SIFEMAG – Thomas & Skinner Inc.
SIGALARM – Wintronics
SIGHTMASTER – Flexo International Corp.
SIGMATRON – Intercontinental Dynamics Corp.
SIGNA-FLO – Buffalo Electronics Corp.
SIGNA-GLOW – Industrial Development Labs., Inc.
SIGNALMASTER – Goldak Co., Inc.
SIGNAL SENTRY – E.F. Johnson Co.
SIGNICO – Signal Indicator Corp.
SILACLEAR – Engelhard Industries, Inc.
SILASTIC – Dow Corning Corp.
SILBOND – United Wire & Supply Corp.
SILCAD – Yardney Electric Corp.
SILCLOTH – Jensen Industries, Inc.
SILCO – Electro-Tech. Prods. Div. Sun Chem.
SILCOBEST – Silicone Insulation, Inc.
SILERTEX – Erie Resistor Corp.
SILFARED – Metavac, Inc.
SIL FLUX – United Wire & Supply Corp.
SILIC-O-NETIC – Heinemann Electric Co.
SILIKONE – Ed-Berl Products, Inc.
SILICONTROL – Vectrol Engineering Inc.
SIL-LUBE – Ed-Berl Products, Inc.
SILNIC – Chase Brass & Copper Co.
SIL-SPRAY – Jensen Industries Inc.
SIL-THIN-BESTOS – Electro-Tech. Prods. Div. Sun Chem. Corp.
SIL-THIN-GLAS – Electro-Tech. Prods. Div. Sun Chem. Corp.
SILTUBE – All-State Welding Alloys Co., Inc.
SILVA-BRITE – Engelhard Industries, Inc.
SILVAFLEX – Plastic Wire & Cable Corp.
SILVALOY – Engelhard Industries, Inc.
SIL-VAR – Electro-Tech. Prods. Div. Sun Chem.
SILVERAMA – Radio Corp. of America
SILVER-Q – Decimeter Prods. Co.
SILVERCEL – Yardney Electric Corp.
SILVER SCREEN 85 – Sylvania Electric Prods. Inc.
SILVERTONE – Warwick Mfg. Corp.
SILVERWELD – Bourns, Inc.
SILVLEX-TM – Engelhard Industries, Inc.
SILYREX – Sel-Rex Corp.
SILWYND – Republic Foil Inc.
SIMPLEX – Wenco Mfg. Co. (Simplex)
SIMPLYTROL – Assembly Products, Inc.
SINCLAIR – Phoenix Precision Instrument Co.
SINE-O-MATIC – Ling Electronics.
SINEVERTER – Power Sources, Inc.
SITCO – Simplicity Tool Co.
SITCO – Jampro Antenna Co.
6N2 – E.F. Johnson Co.
SKALIX – Navan Products, Inc.
SKINNY MARIE – Waber Electronics Inc.
SKINNY MILTON – Waber Electronics Inc.
SKL – Spencer-Kennedy Labs., Inc.
SKY-HI – Thomas Mold & Die Co.
SKY LOK – JFD Electronics Corp.
SKY STREAK – American Electric Cable Co.
SKY-TIE – Adalet Mfg. Co.
S.L. – Mallinckrodt Chemical Works.
SLEEPATRON – Gardiner Electronics.
SLENDYNE – Shure Brothers, Inc.
SLIKWYND – Republic Foil Inc.
SLIMTRAN – Electronic Research Assoc, Inc.
SLIP-SYNC – Chadwick Helmuth Co.
SLOBEL – Bel Fuse, Inc.
SLO BLO – Littelfuse, Inc.
SLOFLEX-TM – Engelhard Industries, Inc.
SLO-LAG – Eagle Electric Mfg. Co., Inc.
SLO-SYN – Superior Electric Co.
SLYVER-CLAD – C & D Batteries, Div. The Electric Autolite Co.
SMITH-SWITCH – Chicago Telephone of Calif.
SMOG-FREE – Radex Corp.
SMT – Illinois Condenser Co.
SMTU – Illinois Condenser Co.
SNAPLOC – Monadnock Mills Div. United Carr
SNAP-ON JACKET – Haydon Corp.
SNAP-PAK – Waldes Kohinoor, Inc.
SNAPPER – Curtiss-Wright Corp.
SNAP-TITE – Centralab Electronics Div. of Globe Union Inc.

SNORKEL – Radion Corp., The
SNOWCAP – Gudeman Co.
SOCKET SAVERS – Pomona Electronics Co., Inc.
SODECO – Landis & Gyr, Inc.
SODEREZE – Phelps Dodge Copper Products Corp.
SOLA-JET – Temperature Engineering Corp.
SOLAR – Burke & James, Inc.
SOLARBROME – Burke & James, Inc.
SOLARMATIC – Burke & James, Inc.
SOLARSCOPE – Solartron, Inc.
SOLAVOLT – Sola Electric Co.
SOLDERALL – Brach Mfg. Corp.
SOLDERBRITE – London Chemical Co.
SOLDER-ETTE – Fedtro Inc.
SOLDER-MITE – Fedtro Inc.
SOLDERUX – Mico Instrument Co.
SOLER – Burke & James, Inc.
SOLIDICEL – North Hills Electric Co., Inc.
SOLOR – Burke & James, Inc.
SOLU BRIDGE – Industrial Instruments Inc.
SOLVAR – Rea Magnet Wire Co., Inc.
SONAGRAM – Kay Electric Co.
SONA-GRAPH – Kay Electric Co.
SONALATOR – Kay Electric Co.
SONA-STRETCHER – Kay Electric Co.
SONA-SWEEP – Kay Electric Co.
SONATA – JFD Electronics Corp.
SONBLASTER – Narda Ultrasonics Corp.
SONICLEAN – Detrex Chemical Industries, Inc.
SONITANK – Acoustica Associates, Inc.
SONITE – Smooth-On Mfg. Co.
SONIZON – Magnaflux Corp., Sub. General Mills
SONOGEN – Branson Ultrasonic Corp.
SONO-PROBE – Advanced Electronics, Inc.
SONORAMIC – Ferrodynamics Corp.
SONOSOLDER – Aeroprojects, Inc.
SONOWELD – Aeroprojects, Inc.
SPACE COMMAND – Zenith Radio Corp.
SPACEMASTER – Universal Drafting Machine Corp.
SPEAKEASY – Chance Vought Aircraft Inc.
SPECROME – Spectranome Plating Co., Inc.
SPECTRA-CODER – Spectra-Strip Wire & Cable
SPECTRA-INK – Spectra-Strip Wire & Cable Corp.
SPECTRALLOY – Spectranome Plating Co., Inc.
SPECTRA-STRIPPER – Spectra-Strip Wire & Cable
SPECTRA-TEMP – Spectra-Strip Wire & Cable
SPECTRA-TWIST – Spectra-Strip Wire & Cable
SPECTROLINE SCANNER – Applied Research Laboratories Inc.
SPECTRON – Consolidated Electrodynamics Corp.
SPECTROSIL – Thermal American Fused Quartz Co., Inc.
SPEECH MASTER – Jensen Mfg. Co.
SPEED CLAMPS – Tinnerman Products, Inc.
SPEED CLIPS – Tinnerman Products, Inc.
SPEEDCOAT – Micro-Circuits Co.
SPEED GRIPS – Tinnerman Products, Inc.
SPEEDMINDER – Glaser-Steers Corp.
SPEED MOUNT – Brach Mfg. Co.
SPEED NUTS – Tinnerman Products, Inc.
SPEEDOMAX – Leeds & Northrup Co.
SPEED-X – E.F. Johnson Co.
SPEEDY-CAL – North Shore Nameplate.
SPEEDY-MARX – North Shore Nameplate.
SPETROQUALITY – Matheson, Coleman & Bell
SPHERICON – University Loudspeakers, Inc.
SPIN-PIN – Bruno – N.Y. Industries Corp.
SPIRACODE – Alphaduct Wire & Cable Co.
SPIRAFLEX – General Insulated Wire Works, Inc.
SPIRAL-JECTOR – Fourjay Industries
SPIRALPOT – Giannini Controls Corp.
SPIRAL SOUND – Fourjay Industries
SPIRAL-TENNA – Hi-Lo Mfg. Corp.
SPIRAL WRAP – Illumitronic Engineering
SPIRAMEG – Sprague Electric Co.
SPIR-O-LINE – Prodelin, Inc.
SPIR-O-LOK – Prodelin, Inc.
SPIROTALLIC – Johns-Manville.
SPLAC – Westline Products Div. of Western Lithograph Co.
SPOKESMAN – Winston Electronics
SPONGEX – Goodrich, B.F., Sponge Products Div.
SPOT CHECK – Pacific Transducer Corp.
SPOTCHECK – Magnaflux Corp., Sub. General Mills
SPOTLAY – Engelhard Industries, Inc.
SPOT-LITE – Line Electric Co.
SPOT-O-GRAPH – Audio-Master Corp.
SPRAINT – Waldom Electronics Inc.
SPRING LOCK – Simmons Fastener Corp.
SPRING-O-MATIC – Industrial Electrical Wks.
SPYRALINE – Rayline, Inc.
SQUARE TRIM – Daystrom, Inc.
SR-4 – Baldwin-Lima Hamilton Corp.
SRC – British Radio Electronics, Ltd.
SRHS – Metal & Thermit Corp.
STA – Fansteel Metallurgical Corp.
STABELEX – Industrial Condenser Corp.
STABILENE – Keuffel & Esser Co.
STABILINE – Superior Electric Co.
STABIL-THERM – Blue M Electric Co.
STACK-KIT – Consolidated Resistance Co. of Amer. Inc.
STACKOHM – Sprague Electric Co.
STA-CLEAR – Ludlow Saylor Wire Cloth Co.
STAFCALS – Stafford Mfg. Co., Inc.
STA-KON – Thomas & Betts Co., Inc.
STALEY – Electric Switch Corp.
STALO – Lab. for Electronics, Inc.
STA-LOC – Mallory & Co. Inc., P.R.
STANCOR – Chicago Standard Transformer Corp.
STANDARD – New York Solder Co.
STANDARD – Hull Corp.
STANDARD-TM – Engelhard Industries, Inc.
STANDCO – Sticht Co., Inc., Herman.
STANDLAC – Standard-Toch Chemicals, Inc.
STAND-O – Parker Metal Goods, Co.
STANFOAM – Standard Plastics, Inc.
STAN-MARK-INKS – Standard-Toch Chemicals, Inc.
STANSCREW – Standard Set Screw Co.
STANTELAC – Standard Telephones & Cables, Ltd.
STANTOX – Standard-Toch Chemicals, Inc.
STANTRON – Wyco Metal Products
STARBRITE – JFD Electronics Corp.
STAR-HELIX – JFD Electronics Corp.
STARKIT – Stark Electronic Instr. Ltd.
STARLINE – Electro-Mechanical Instrument
STATELUM – Standard Telephones & Cables, Ltd.
STA-TRU – Ludlow Saylor Wire Cloth Co.
STAT-TRAN – Pulse Engineering, Inc.
STAVER – Hamilton Watch Co.
STAVOLT – Christie Electric Corp.
STC – Standard Telephones & Cables, Ltd.
STEACAP – Micamold Electronics Mfg. Corp.
STED-TAB – Steel Heddle Mfg. Co.
STEELSET – Fish-Schurman Corp.
STEMCO – Stevens Mfg. Co., Inc.
STENAFAX – Litton Industries
STENAFAX – Times Facsimile Corp.
STENOTAPE – American Geloso Electronics, Inc.
STEREO DIRECTOR – Jensen Mfg. Co.
STEREODYNE – Dynaco, Inc.
STEREO-LOOP – Fedtro Inc.
STEREO LP LEVEL – Fedtro Inc.
STEREOMASTER – Scott, Inc., H. H.
STEREOMAT – Benson-Lehner Corp.
STEREOMATIC – Waber Electronics Inc.
STERE-O-MATIC – V – M Corp.
STEREOSOUND – Rye Sound Corp.
STEREOTABLE – Pickering & Co., Inc.
STERIEO – Erie Resistor Corp.
STERIO-PLEX – JFD Electronics Corp.
STETHEO – Fedtro Inc.
STETHETRON – Maico Electronics, Inc.
STETHOSOUND – Rye Sound Corp.
STIBNALON – Green Rectifier Co.
STICK GLASS – Electro-Tech. Prods. Div. Sun Chem. Corp.
STICKVAR – Electro-Tech. Prods. Div. Sun Chem.
STONCLAD – Stonhard Co., Inc.
STONLAST – Stonhard Co., Inc.
STONPACH – Stonhard Co., Inc.
STOR-A-TAPE – Concertapes, Inc.
STORATRON – Du Mont Labs., Inc., Allen B.
STRAINALYZER – Electronic Tube Corp.
STRAINISTOR – Century Electronics & Instruments
STRAPLOCK – Whitso, Inc.
STRATFORD – Telequip Radio Co.
STRAT-O-LITE – Strat-O-Seal Mfg. Co.
STRIP-EASE – Radix Wire Co.
STRIPMASTER – Ideal Industries, Inc.
STRIPOHM – Ward Leonard Electric Co.
STRIP-O-SEAL – Parker Seal Co.
STROBEACON – Kemlite Laboratories, Inc.
STROBE SELECTOR – Rheem Califone Corp.
STROBEX – Chadwick Helmuth Co.
STROBOCONN – Conn. Ltd., C. G.
STROBOLUX – General Radio Co.
STROBONAR – Heiland Div. Minneapolis-Honeywell
STROBO-SYNC – Winkler Laboratories.
STROBOTAC – General Radio Co.
STROBOTUNER – Conn. Ltd., C. G.
STUDER – Electronic Applications, Inc.
STUR-D-LACE – Guderbrod Bros. Silk Co., Inc.
STYCAST – Emerson & Cuming, Inc.
STYRACON – Sprague Electric Co.
STYROFLEX – Natvar Corp.
STYROFOAM – Dow Chemical Co.
STYRON – Dow Chemical Co.
SU – Simmonds Aerocessories, Inc.
SUBOUNCER – United Transformer Corp.
SUB-SUBOUNCER – United Transformer Corp.
SUBURBAN – Radion Corp., The
SUFFOLK – Munston Electronic Mfg. Corp.
SUNSWITCH – Ripley Co., Inc.
SUPER-BECKAMINE – Reichhold Chemicals, Inc.
SUPERCAP – United Electronic Mfg., Corp.
SUPER CON – Computer Instruments Corp.
SUPERCON – Superior Electric Co.
SUPER DAVOHM – Daven Co.
SUPER-EAR – Rye Sound Corp.
SUPEREX – Johns-Manville
SUPER-FAN – Channel Master Co.
SUPERGRIP – Forsberg Mfg. Co.
SUPER-HELIX – JFD Electronics Corp.
SUPER-INDUSTRIAL – National Specialties Co.
SUPER KATY – Kay Towns Antenna Co.
SUPERLUX – Engelhard Industries, Inc.
SUPERMALLOY – Arnold Engineering Co.
SUPERMENDUR – Arnold Engineering Co.
SUPER REAR GUARD – Kay Towns Antenna Co.
SUPERSHEATH – General Cable Corp.
SUPERSIL – Carstedt Research, Inc.
SUPERSONIC – Dzus Fastener Co., Inc.
SUPERSYN – Bekey Electric Div., Genisco, Inc.
SUPERTENNA – Tennalab.
SUPERTESTER – Cal. Tech. Ind. Div. Textron Inc.
SUPERTITE – Engelhard Industries, Inc.
SUPRAMICA – Mycalex Corp. of America.
SU-PR-CIRCUITS – Cleveland Metal Specialties
SUPREME – Oxford Electric Corp.
SUPRO – Valco Mfg. Co.
SURCO – Surprenant Mfg. Co.
SURCO-RAD – Surprenant Mfg. Co.
SURE BRAZE – Dalweld Co., Inc.
SURE FLUX – New York Solder Co.
SURFLENE – Surprenant Mfg. Co.
SURFLEX – Surprenant Mfg. Co.
SURGISTOR – Wuerth Tube-Saver Corp.
S'WAMI – Singer Mfg. Co.
SWEEP-SYNC – Chadwick Helmuth Co.
SWING BIN – AKRO-Mils, Inc.
SWING-FLEX – Burndy Corp.
SWITCHLITE – Control Switch Div., Controls Co., of Amer.
SWIVLTOP – Moody Machine Products Co., Inc.
SY BONDEZE – Phelps Dodge Copper Products
SYLKYD – Dow Corning Corp.
SYLPHON – Fulton Sylphon Div. Robertshaw Fulton Controls
SYLVALOY – Driver Co., Wilbur B.
SYMBLTAK – Chart-Pak, Inc.
SYMBOSTAMP – Griffin Co., John.
SYMMETRA-PEAK – Kahn Research Labs Inc.
SYNCAP – Wesco Electrical Co., Inc.
SYNCHRON – Hansen Mfg. Co., Inc.
SYNCHRO-TUNER – Cavitron Electron Oscillator Div. Short Wave Plastic Forming Co.
SYNCLAMPS – Timber - Top, Inc.
SYNCLAMPS – Timber Log Inc.
SYNCRAMENTAL – Ledex, Inc.
SYNCROLL – Fairchild Recording Equip. Corp.
SYNCRO-SNAP – Torq Engineered Products, Inc.
SYNKOTE – Plastoid Corp.
SYNPROTEX – Torq Engineered Products, Inc.
SYNTHAMICA – Mycalex Corp. of America.
SYNTHINOL – Rome Cable, Div. of Alcoa
SYNTHOGRAPHIC – Synthane Corp.
SYSTCOMS – International Systcoms Ltd.
SYSTEMAT – Waterman Products Inc.

TACKMASTER – Rubber & Asbestos Corp.
TACH-PAK – Airpax Electronics Inc.
TACO – Technical Appliance Corp.
TADANAC – Consolidated Mng. & Smltg. Can-Ltd.
TAKCAL – B & H Instrument Co.
TANATHERM – Trans - Sonics, Inc.
TANTALEX – Sprague Electric Co.
TANTUMCAP – Micamold Electronics Mfg. Corp.
TAPE-ARD – California Tech. Ind. Div. Textron
TAPE-O-MATIC – V – M Corp.
TAPERSTROBE – Scott Instrument Labs., Inc.
TAP-LOK – Groov-Pin Corp.
TA'POT – Howell Instrument Co.
TAPPEE – Saxton Products, Inc.
TARRYTRON – Cook Electric Co.
TAXI-PHONE – Aeronautical Electronics, Inc.
TAYLORITE – Taylor Fibre Co.
T-BIRD – Technical Appliance Corp.
T-BLOC – Computer Control Co. Inc.
TCI – U. S. Steel Corp.
TECKNIT – Technical Wire Products, Inc.
TECKSTRIP – Technical Wire Products, Inc.
TEC-LITES – Transistor Electronics Corp.
TEECO – Trutone Electronics Inc.
TEFIFON – Audio-Master Corp.
TEFLON – E. I. du Pont de Nemours & Co., Inc.
TEKMOLD – Bemis Bro. Bag Co.
TEKNI LABELS – ECM Corp.
TEL-A-COR – Magnetic Core Corp.
TELA-EAR – Telex Inc.
TEL-A-PIPES – Westline Prods. Div. Western Lithograph Co.
TELAUTOVISION – Telautograph Corp.
TELECAP – Sprague Electric Co.
TELECHECK – I.H. Mfg. Co.
TELECOM – Webster Electric Co.
TELECTRO – Telectrosonic Corp.
TELEDELTOS – Western Union Telegraph Co.
TELEDUCER – Edcliff Instruments
TELEFAX – Western Union Telegraph Co.
TELE-FI – Telex Inc.
TELE-FLEX – Telerad Mfg. Corp.
TELE-FORM – Telerad Mfg. Corp.
TELEFUNKEN – American Elite Inc.
TELEGLAS – Pittsburgh Plate Glass Co.
TELE GUIDE – Telerad Mfg. Corp.
TELEMATIC – I.H. Mfg. Co.
TELE-SET – Telex Inc.
TELETALK – Webster Electric Co.
TELETHIN – Telex Inc.
TELE-TRAN – Dage Television Div.
TELETRONICS – Edgerton, Germeshausen & Grier
TELETRONICS – Telautograph Corp.
TELETWIN – JFD Electronics Corp.
TELETWIN – Telex Inc.
TELE-TWIST – Telerad Mfg. Corp.
TELEVAC – Fredericks Co.
TELEVOLT – Sola Electric Co.
TELLITE – Master Specialties Co.
TEL-TRU – E.V. Hill & Co.
TEMCO – Thermo Electric Mfg. Co.
TEMCOR – Tempel Steel Co.
TEMPCAL – B & H Instrument Co.
TEMP-COP – Micro Switch
TEMPCOR – Temperature Engineering Corp.
TEMPEREX – Sel-Rex Corp.
TEMP-LACE – Gudebrod Bros. Silk Co., Inc.
TEMPO – Clear Beam Antenna Co.
TEMP-O-LARM – Kidde Ultrasonic & Detection Alarms, Inc.
TEMPROOF – Lord Mfg. Co.
TEMP-R-TAPE – Connecticut Hard Rubber Co.
TEMPRUF – Chatillon & Sons, John.
TEMP-TERMS – ETC Incorporated
TENARAL – Rollan Electric Co.
TENELON – U. S. Steel Corp.
TEN-FI – McGregor Electronic Inds.
TEN-FOUR – Shure Brothers, Inc.
TENNAKIT – Tennalab
TENN-A-LINER – Channel Master Co.
TENNA-PAK – JFD Electroncis Corp.
TENNA-TUBE – Javex Electronics.
TENNEYMITE – Tenney Engineering, Inc.
TENNEYZPHERE – Tenney Engineering, Inc.
TENSITE – Driver Co., Wilbur B.
TENSOLEX – Tensolite Insulated Wire Co.
TENSOLON – Tensolite Insulated Wire Co.
TENZ-NUTS – Eaton Mfg. Co.
TERESSO – Esso Standard, Div. of Humble Oil & Refining Co.
TERMALINE – Bird Electronic Corp.
TESCO – Eastern Specialty Co.
TESLAR – E. I. du Pont de Nemours & Co., Inc.
TEST MASTER – Precision Apparatus Co., Inc.
TESTOLITE – Brach Mfg. Corp.
TEST-O-MATIC – Shell Electronics Mfg. Corp.
TESTOMETER – United Mfg. Co. Div. W. L. Maxson Corp.

TETCO – Electric Tachometer Corp.
TETCO SILK – Kressilk Products Inc.
TETRA-ETCH – W. L. Gore & Assoc., Inc.
TETROC – Sprague Electric Co.
TET-STEEL – Kressilk Products Inc.
TEX-CAP – Texas Capacitor Co. Div. of K-C-K
TEXFOAM – Goodrich, B.F., Sponge Products
TEXLITE – Goodrich, B.F., Sponge Products Div.
TGS-250 – Radix Wire Co.
THE HOUSE OF RESISTORS – Clarostat Mfg. Co.
THERLO – Driver-Harris Co.
THERMA-CAL – North Shore Nameplate.
THERMALEZE – Phelps Dodge Copper Products
THERMALINE – International Radiant Corp.
THERMALINE – Line Electric Co.
THERMA-MARK – North Shore Nameplate.
THERMASSAGE – Fedtro Inc.
THERMATOOL – New Rochelle Thermatool
THERMAX – General Cable Corp.
THERMAZIP – Zippertubing Co.
THERMEK – Heatron Co.
THERMEX – Girdler Process Equip. Div.
THERMICA – Electronic Mechanics, Inc.
THERMISTEMP – Yellow Springs Instrument Co.,
THERMITEM – Royco Instruments Inc.
THERMO-CABLE – Thermo Electric Co.
THERMOCAP – Niagara Electron Labs.
THERMOFIT – Rayclad Tube Inc.
THERMOFLEX – Cavitron Electron Oscillator Div. Short Wave Plastic Forming Co.
THERMO-GRIP – Ideal Industries, Inc.
THERMOHM – Leeds & Northup Co.
THERMOKARAT – Sel-Rex Corp.
THERMOLAG – Emerson Electric & Mfg. Co.
THERMOLAIN – Star Porcelain Co.
THERMOLASTIC – Cox & Co., Inc.
THERMOLYNE – Thermo Electric Mfg. Co.
THERMOMETAL-TM – Engelhard Industries, Inc.
THERMO METER – Henry Francis Parks Lab.
THER-MONIC – Induction Heating Corp.
THERMOPATCH – Cox & Co., Inc.
THERMOSTATIC GRIP – Wall Mfg. Co., P.
THERMOSTRIP – Driver-Harris Co.
THERMOSWITCH – Fenwal Incorporated.
THERMO-TIP – Ideal Industries, Inc.
THERMOWIRE – Cox & Co., Inc.
THERMYSTAL – James Knights Co.
THINPLATES – Park Nameplate Co., Inc.
THIN-SHELL – Kaydon Engineering Corp.
THOR – Elomag Sprl.
3C-PAC – Computer Control Co. Inc.
THREE-PHASE – Sciaky Bros., Inc.
3-PI – Fedtro Inc.
THRIF-T-BOND PLASTICEL – Chester Cable Corp.
THRIFTY – Marathon Battery Co.
THRU-PASS – Sprague Electric Co.
THUNDERBOLT – E.F. Johnson Co.
THYRA-LINE – Hanson-Gorrill-Brian
THYRA-PULSE – Hanson-Gorrill-Brian
THYRASTAT – Thermocal Div.
THYRODE – International Rectifier Corp.
TI-CO – Thomas Instrument Co.
TICO – Tektron Instrument Co.
TIME ALL – International Register Co.
TIMEFAX – Litton Industries
TIMEFAX – Times Facsimile Corp.
TIME-O-LITE – Industrial Timer Corp.
TINETRIM – Bourns, Inc.
TINI-EXTENSION JAX – Switchcraft, Inc.
TINI-PLUGS – Switchcraft, Inc.
TINOL – American Solder & Flux Co.
TINY-GLOW – Industrial Devices, Inc.
TINYLITE – Drake Mfg. Co.
TINYMAG – Torwico Electronics, Inc.
TINYMAX – Torwico Electronics, Inc.
TINYMITE – Renbrandt Inc.
TISSUGLASS – Amflex Products Dept. American Machine and Foundry Co.
TNT – Mastra Co.
TOCCO – Ohio Crankshaft Co.
TOM THUMB – Automatic Radio Mfg. Co., Inc.
TONE LINK – Warren Mfg. Co., Inc.
TONEPAK – Lee Electric Co.
TONG TEST – Columbia Electric Mfg. Co.
TONOTRON – Hughes Aircraft.
TOP HAT – Litton Industries
TOP HAT – Times Facsimile Corp.
TOPHET A – Driver Co., Wilbur B.
TOPHET C – Driver Co., Wilbur B.
TOPHET D – Driver Co., Wilbur B.
TROPICAP – Micamold Electronics Mfg. Corp.
TROUBLE TRAPPER – Fedtro Inc.
TRUARC – Waldes Kohinoor, Inc.
TRUE STEREO – Permoflux Products Co.
TRULEX – Zoomar, Inc.
TRULINE – Bird Electronic Corp.
TRU-LOK – Waltham Precision Instr. Co.
TRU-MATCH – Quam-Nichols Co.
TRUON – Berg Mfg. Corp.
TRURIB – Tru-Ohm Products Div., Model Engineering & Mfg., Inc.
TRU-STAT – Peerless Photo Products, Inc.
TRYLAB – Trygon Electronics Inc.
TRYLON – Wind Turbine Co.
TSA – Tenney Engineering, Inc.
T-S-I – Tri-Point Plastics, Inc.
TT LINE – ARRA Corp.
TUBE CADDY – Argos Products Co., Inc.
TUBE MASTER – Precision Apparatus Co., Inc.
TUBE-R-CAP – Centralab Electronics Div. of Globe Union Inc.
TUFF TITE – Towsend Co.
TUFF TUBE – Lamtex Industries Inc.
TUF-PLATE – Photocircuits Corp.
TUF-RACK – Escotronics
TUK-A-TENNA – JFD Electronics Corp.
TUN-O-LUBE – Chemtronics Inc.
TURBO – Wm. Brand – Rex Div.
TURBO 117 – Wm. Brand – Rex Div.
TURBOGLAS – Wm. Brand – Rex Div.
TURBOLENE – Wm. Brand – Rex Div.
TURBOLEX – Wm. Brand – Rex Div.
TURBOSIL – Wm. Brand – Rex Div.
TURBOTEMP – Wm. Brand – Rex Div.
TURBOTHERM – Wm. Brand – Rex Div.
TURBOTRANS – Wm. Brand – Rex Div.
TURBOTUF – Wm. Brand – Rex Div.
TURBO TUFFLEX – Wm. Brand – Rex Div.
TURBOZONE – Wm. Brand – Rex Div.
TURNER TORCH – Turner Corp.
TURNQUATE – Subminiature Instruments Corp.
TURN-RACK – Escotronics
TUTORETTE – Audiotronics Corp.
TUTORTEX – Western Designs Div. U. S. Industries, Inc.
TU-WAY – Parker Metal Goods, Co.
TV-DUETTE – Jensen Mfg. Co.
TW – Channel Master Co.
25-1 – Bendix Aviation Corp.
TWINLITE – Control Switch Div., Controls Co., of Amer.
TWINPOT – Bourns Inc.
TWIN R – Bourns, Inc.
TWINSET – Telex Inc.
TWISTAGUIDE – Airtron Div. of Litton Industries
TWISTAGUIDE – Litton Industries
TWISTLOCK – Harvey Hubbell, Inc.
TWIST-LOK – Sprague Electric Co.
TWIST MOUNT – Pyramid Electric Co.
TWIST-TITE – Harvey Hubbell, Inc.
2K SERIES – Sterling Transformer Corp.
2003 – General Mills, Inc.
TYMETER – Pennwood Numechron Co.
TYNEE DRY – Pyramid Electric Co.
TYPOTRON – Hughes Aircraft
TY-RAP – Thomas & Betts Co., Inc.

UBAGRIP – UBS Chemical Corp.
UBATOL – UBS Chemical Co.
UCILON – Metal & Thermit Corp.
UHP – Alpha Metals, Inc.
U-LINE – Illumitronic Engineering
ULTE VAC – Ultek Corp.
ULTRA-COMPACT – United Transformer Corp.
ULTRAFORMER – Kay Electric Co.
ULTRA-KAP – Centralab Electronics Div. of Globe Union Inc.
ULTRALINEAR – Brush Instruments Div. of Clevite Corp.
ULTRA-LOOP – JFD Electronics Corp.
ULTRA MET – Cannon-Muskegon Corp.
ULTRAMICROWAVE – DeMornay-Bonardi.
ULTRA-MIN-ELEC – Argonne Electronics Mfg. Corp.
ULTRA-PIX – Kay Electric Co.
ULTRASCALER – Nuclear Chicago Corporation
ULTRASIL – Engelhard Industries, Inc.
ULTRASONIC – Bendix Aviation Corp.
TOPLINER – Technical Appliance Corp.
TOR-A-COR – Magnetic Core Corp.
TORBAL – Torsion Balance Co.
TORQ TV TENNA – Snyder Mfg Co.
TOTELITE – Parker Metal Goods Co.
TOUCH-A-MATIC – Eagle Electric Mfg. Co., Inc.
TOUGH-GUY-WIRE – Fen-Tone Corp.
TOURO-STROB – Mayer & Co., K. G.
T-PAC – Computer Control Co. Inc.
T-POWER – Motorola Communications & Electronics, Inc.
TR – Industro Transistor Corp.
TRACEMASTER – Universal Drafting Machine Corp.
TRACERMATIC – Tracerlab, Inc.
TRAFFICORDER – Nortronics Co., Inc.
TRAK – CGS Labs. Inc.
TRAMP – Ten Bosch, Inc., M.
TRANOLSEAL – Johns-Manville.
TRANSALYZER – Kay Electric Co.
TRANSAMP – Electronic Research Assoc. Inc.
TRANS-BOX – Vlchek Tool Co.
TRANS-CITER – Multi-Products Co.
TRANSICOM – Du Mont Labs., Inc., Allen B.
TRANSCOPE – Taylor Instrument Co.
TRANSFILTER – Clevite Electronic Components Div. Clevite Corp.
TRANSHEAT – BTU Engineering Corp.
TRANSIDYNE – Spectrol Electronics Corp.
TRANSIFIER – Kay Electric Co.
TRANSI-LYTIC – Sprague Electric Co.
TRANSI-MAG – Magnetic Amplifier, Inc.
TRANSIMULATOR – Sprague Electric Co.
TRANSIPADS – Milton Ross Co.
TRANSIPLY – Kay Electric Co.
TRANSIPOT – Instrol Inc.
TRANSIPROBE – Kay Electric Co.
TRANSISCALER – Elomag Sprl.
TRANSISTAR – Mallinckrodt Chemical Works.
TRANSITRON – Van Norman Industries
TRANSITROL – Dynamic Controls Co.
TRANS-LITE – Plasteck, Inc.
TRANSLYTIC – Micamold Electronics Mfg. Corp.
TRANS-LYTICS – Fedtro Inc.
TRANS-OCEANIC – Zenith Radio Corp.
TRANS-O-NETIC – Heinemann Electric Co.
TRANSPAC – Electronic Research Assoc. Inc.
TRANSTAT – Standard Electronics Div. of Reeves Inst. Corp.
TRANSVAR – Sperry Microwave Electronics Co.
TRAPPER – Technical Appliance Corp.
TRAZITE – Oakite Products Inc.
TREADLITE – Linemaster Switch Corp.
TREASURE CHEST – Jensen Mfg. Co.
TRELCO – Transitron Electronic Corp.
TRENTWELD – Trent Tube Co.
TREPACETTE – Trepac Corp. of America
TREVLITE – Control Switch Div., Controls Co., of Amer.
TRIAX – Jensen Mfg. Co.
TRIAXIAL – Jensen Mfg. Co.
TRI-BAND – Telrex, Inc.
TRICE – Packard-Bell Computer Corp.
TRICLENE – E. I. du Pont de Nemours & Co., Inc.
TRI-ETTE – Jensen Mfg. Co.
TRI-FLUX – Redmond Co., Inc.
TRIG – Rostan Corp.
TRIGISTOR – Solid State Products, Inc.
TRIG-R-HEAT – P. Wall Mfg. Co.
TRI-LOK – Boots Aircraft Nut Corp.
TRIMENSIONAL – University Loudspeakers, Inc.
TRIMIT – Bourns Inc.
TRIMM – Bourns Inc.
TRIMPOT, TRIMPOT JR. – Bourns Inc.
TRIMQUATE – Subminiature Instruments Corp.
TRIM R – Bourns, Inc.
TRIM-TITE – Fairchild Controls Corp.
TRINSEEL – Tri-Point Plastics Inc.
TRI-PHASE – Taylor – Winfield Corp.
TRI-PLATE – Sanders Associates Inc.
TRIPLE "A" – Acromark Co.
TRIPLE-C – Pro-Chem Inc.
TRIPLEMATIC – Hardman Co., Inc., H. V.
TRI-PLEX – Jensen Mfg. Co.
TRIPLOC – Pyle-National Co.
TRISTAO – Tri Ex Tower Corp.
TRIXIE – Burroughs Corp.
TROL-AID – Chemtronics Inc.
TROLEX – Chicago Telephone of Calif.
TRONOMAT – Pintsch Bamag A.G.
ULTRA-SWEEP – Kay Electric Co.
ULTRATUBE – Plastoid Corp.
ULTRAVERTER – Blonder-Tongue Laboratories,
ULTRIMMER – Ultronix, Inc.
ULTROHM – Ultronix, Inc.
UMC – Illinois Condenser Co.
UMP – Illinois Condenser Co.
UMS – Illinois Condenser Co.
UNADCO – United Mfg. Co. Div., W. L. Maxson
UNALLOY – U.N. Alloy Steel Corp.
UNAX – Jensen Mfg. Co.
UNBRAKO – Standard Pressed Steel Co.
UNDARK – U. S. Radium Corp.
UNECAP – United Electronic Mfg., Corp.
UNEX – Nichols & Clark, Inc.
UNIBLAST – Narda Ultrasonics Corp.
UNICALL – Aeronautical Electronics, Inc.
UNI-CAST – Redmond Co., Inc.
UNICHROME – Metal & Thermit Corp.
UNICOMP – Stone Labs. Inc.
UNI-CORE – Alpha Metals, Inc.
UNI DRIVE – Utah Radio Products Corp.
UNIDYNE – Shure Brothers, Inc.
UNILITE – Control Switch Div., Controls Co., of Amer.
UNIMAG – Bekey Electric Div., Genisco, Inc.
UNI-MATIC – Apeco Amer. Photocopy Equip Co.
UNIMESH – Bishop & Co., J.
UNIPOISE – Pickering & Co., Inc.
UNIRING – Burndy Corp.
UNISEAL – Johns-Manville.
UNISTAC – International Rectifier Corp.
UNISORB – Felters Co.
UNISORB LEVEL-RITE – Felters Co.
UNIVAC – Remington Rand Div. of Sperry Rand
UNIVERSAL – Shielding, Inc.
UNIVERSAL – K-W Engineering Works.
UNIVERSAL – Mueller Electric Co.
UNIVOLT – Esso Standard, Div. of Humble Oil & Refining Co.
UNI-WIND – Bridgeport Insulated Wire Co.
UNILINE – Cascade Research Div. Monogram
URANOSCOPE – Elomag Sprl.
URELENE – Furane Plastics Inc.
USC – U. S. Components, Inc.
U. S. E. – U. S. Electronics Corp.
USECO – U. S. Engineering Co.
USG – U. S. Graphite Co., Div. of The Wickes Corp.
USS – U. S. Steel Corp.
U. S. SEMCOR – U. S. Semiconductor Prods. Div. United Industrial Corp.
UT 58 – Uniform Tubes
UTF – Amflex Products Dept. American Machine and Foundry Co.
UTILATOR – Kay Electric Co.
UTILIMOUNT – Diamond Electronics Div.
UTILISCOPE – Diamond Electronics Div.
UTR – Advanced Technology Labs.

VACU-MASTER – Hayes, Inc., C. I.
VACUMET HYMU – Carpenter Steel Co.
VAGABOND – International Research Assoc.
VAL – Tru Ohm Prods. Div.
VALENCE UNIT – Pioneer Industries, Div. of Almar-York Co., Inc.
VALIANT – E.F. Johnson Co.
VALULINE – International Radiant Corp.
VALVETROL – Jordon Controls, Inc.
VAMP – ARRA Corp.
VAN de GRAAFF – High Voltage Engineering Corp.
VANTRON – Van Norman Industries
VAP – United Aircraft Products, Inc.
VAPOR-TEMP – Blue M Electric Co.
VARIAC – General Radio Co.
VARICELL – Superior Electric Co.
VARI-CHOKE – Superex Electronics Corp.
VARICHRON – Biophysical Electronics Inc.
VARICON – Elco Corp.
VARIDUCTOR – United Transformer Corp.
VARI-FLEX – Hamner Electronics Co., Inc.
VARIGRIP – Grinnell Harris Electronics Inc.
VARI-HENRY – Magnetic Specialties, Inc.
VARI-LOOPSTICK – Superex Electronics Corp.
VARIMATCH – United Transformer Corp.
VARIOGON – Nilsen Mfg. Co.
VARIOHM – Ketay Dept., Norden Div., United Aircraft Corp.

VARIPAK – Elco Corp.
VARIPLOTTER – Electronic Associates Inc.
VARIPULSE – Barry Controls, Inc.
VARI-SWEEP – Kay Electric Co.
VARITAR – Par Products Corp.
VARITRAN – United Transformer Corp.
VARI-VOX – Kay Electric Co.
VARMAT – New Jersey Wood Finishing Co.
VARSIL – New Jersey Wood Finishing Co.
VARSLOT – New Jersey Wood Finishing Co.
VARSOL – Esso Standard, Div of Humble Oil & Refining Co.
VARTEX – New Jersey Wood Finishing Co.
V-DOT – Inertia Switch, Inc.
VEBESTOS – Vellumoid Co., Sub W. R. Grace Co.
VECO – Victory Engineering Corp.
VEE-BEAM – JFD Electronics Corp.
VEE DX – LaPointe Industries, Inc.
VEGA ELECTRONICS – Calvideo Tube Corp.
VELBUNA – Vellumoid Co., Sub W. R. Grace Co.
VELCO – Virginia Electronics Co., Inc.
VELCOREX – Vellumoid Co., Sub W. R. Grace Co.
VELUTEX – Vellumoid Co., Sub W. R. Grace Co.
VENTICOOL – Electronic Devices, Inc.
VENTISEL – Electronic Devices, Inc.
VENTRAK – Western Devices, Inc.
VENTRIFLAT – Electronic Devices, Inc.
VENUS – JFD Electronics Corp.
VERIFLEX-TM – Engelhard Industries, Inc.
VERILOCAP – Spectra-Strip Wire & Cable Corp.
VERITELL – West Instrument Corp.
VERNI DIAL – Howell Instrument Co.
VERNITEL – Hoover Electronics Co.
VERSAKRIMP – ETC Incorporated
VERSATROL – Assembly Products, Inc.
VERTAR – Par Products Corp.
VERTI OHM – Tru-Ohm Products Div., Model Engineering & Mfg., Inc.
VERTUOSO – Beltone Hearing Aid Co.
VIBRACHOPPER – Solid State Electronics Co.
VIBRO – Korfund Co. Inc.
VIBRODAMPER – Korfund Co., Inc.
VIBROGROUND – Associated Research, Inc.
VIBRAKRIMP – ETC Incorporated
VIBRALYZER – Kay Electric Co.
VIBRA MOUNT – American Felt Co.
VIBRAPOWR – James Electronics Inc.
VIBRA-TINE – Gyrex Corp
VIBROMONOMETER – B.J. Electronics Borg-Warner
VIBROSSAGE – Fedtro Inc.
VIBROTEST – Associated Research, Inc.
VIBROTRON – B J Electronics Borg-Warner Corp.
VICAL – Par Products Corp.
VIDALIGNER – Kay Electric Co.
VIDEOPTICS – Burke & James, Inc.
VIDEOSTIGMAT – Burke & James, Inc.
VIDEOTAPE – Ampex Data Products Corp.
VIDEO TELEGAUGE – Grimson Color, Inc.
VIGA – Pioneer Industries Div. of Almar-York Co.,
VIKING – E.F. Johnson Co.
VIKING – Jensen Mfg. Co.
VIKING – Forsberg Mfg. Co.
VINAPEX – Apex Coated Fabrics Co.
VINPAK – Protective Coatings Corp.
VINYLITE – Union Carbide Corp.
VISCOFILM – Industrial Condenser Corp.
VISICORDER – Heiland Div. Minn.-Honeywell
VISION-EAR – Nichols & Clark, Inc.
VISOMAG – Renupp Co.
VISOTON – Biophysical Electronics Inc.
VISTEX – American Felt Co.
VITABILITZ – Elomag Sprl.
VITAMIN Q – Sprague Electric Co.
VITEL – Goodyear Tire and Rubber Co.
VITON – E. I. du Pont de Nemours & Co., Inc.
VITREOSIL – Thermal American Fused Quartz Co.
VITROHM – Ward Leonard Electric Co.
VITROLAIN – Star Porcelain Co.
VIZ – Molded Insulation Co.
VK – Vitramon, Inc.
VOCATRON – Vocaline Co. of America, Inc.
VOGADS – Westrex Corp.
VOICEPLEX – Kahn Research Labs Inc.
VOLDICON – Adage, Inc.
VOLSEAL – Johns-Manville.
VOLTBOX – Superior Electric Co.
VOLTMASTER – Pioneer Gen-E-Motor Co.
VOLTITE – Litton Industries
VOLT-OHMATIC – Bergen Laboratories, Inc.
VOLTOHMYST – Radio Corp. of America
VOXETTE – Amplivox Ltd.
VOYCALL – Lake Manufacturing Co.
VS-64A – Millivac Instruments
VUEPAK – Monsanto Chemical Co.
VUE-TRONICS – Prescott Television Co.
VULCOID – Continental-Diamond Fibre Corp.
VYNA-KOTE – Spectra-Strip Wire & Cable Corp.

WACO – Washington Aluminum Co. Inc.
WALCO – Clevite-Walco
WAC-TAC – Wac Line, Inc.
WALLOY – Wall Mfg. Co., P.
WATCHMASTER – American Time Products, Inc.
WATER DIP – Maas & Waldstein Co.
WATERWITE – Bache & Co., Semon.
WATSON – Burke & James, Inc.
WATTERSON – Davis & Co., J.W.
WAVEBOOSTER – Radio Merchandise Sales, Inc.
WAVEOMETER – Micrometrical Mfg. Co.
W-C – Weighing & Control Components, Inc.
WEATHERFLAX – Westrex Corp.
WEATHERKING – Pioneer Industries, Div. of Almar-York Co., Inc.
WEATHERMASTER – Jensen Mfg. Co.
WEATHERMAN – Bendix Aviation Corp.
WEATHERVISION – Dage Television Div.
WEB WIP – Webster Mfg.
WEDGE-ON – Thomas & Betts Co., Inc.
WEDGE WIPE MARK II – Pacific Scientific Co.
WEE-DUCTOR – Essex Electronics Div. of Nytronics, Inc.
WEE POT – Handley, Inc.
WEE SO – Handley, Inc.
WEE TRIM – Handley, Inc.
WELD-CHEK – Pacific Transducer Corp.
WELD-IT – Taylor – Winfield Corp.
WELDPOWER – Raytheon Co.
WELDRAWN – Superior Tube Co.
WELTAX – Burke & James, Inc.
WELTI – Burke & James, Inc.
WELTINI – Burke & James, Inc.
WELTRONARC – Weltronic Co.
WELTUR – Burke & James, Inc.
WESCO – West Coast Electrical Mfg. Corp.
WESTACH – Westberg Mfg. Co.
WEST-CAP – San Fernando Electric Mfg. Co.
WESTRAN – Western Transistor Corp.
WHALE – Forsberg Mfg. Co.
WHIPLOAD – E.F. Johnson Co.
WHIRL-AWAY – Fedtro Inc.
WHITELEGG – Associated American Winding Machy., Inc.
WHITE RAY – Burke & James, Inc.
WHIZ-SAW – Forsberg Mfg. Co.
WIDE ANGLI GOLDEN DAGOR – Goerz American Optical Co., C. P.
WIDE LATITUDE – Ferrodynamics Corp.
WILCO – Engelhard Industries, Inc.
WILLIAMSGRIP – Garrett Corp.
WILLSON – Ray-O-Vac Co.
WINCO – Wincharger Corp.
WINDSOR – James International.
WING-STAY – Goodyear Tire and Rubber Co.
WINTRONIX – Winston Electronics
WIRE-NUT – Ideal Industries Inc.
WIRE-WRAP – Gardner-Denver Co.
WOBBULATOR – Canoga Div., Underwood Corp.
WONDERWAVE – Radio Merchandise Sales, Inc.
WOODWELDER – Cavitron Electron Oscillator Div. Short Wave Plastic Forming Co.

X-400 – Fedtro Inc.
XELA – Klein & Sons., Mathias
XTRADUR – Hexacon Electric Co.
X-VAR – Fidelity Chemical Products Corp.
XY – Stromberg-Carlson
"Y" – Switchcraft, Inc.
YAGI-HELIX – JFD Electronics Corp.
YARDMASTER – Reeves Instrument Corp.
YELLOW JACKET – Sprague Electric Co.
YEW – Yokogawa Electric Works Inc.

Z-ANGLE METER – Acton Laboratories, Inc.
ZECO – Zeus Engineering Co. Inc.
ZELCO – Zacharias Electronics Corp.
ZENIAC – International Rectifier Corp.
ZIFOR – Collins Radio Co.
ZIP – Vector Electronic Co.
ZIP – JFD Electronics Corp.
ZIP-KIT – JFD Electronics Corp.
ZIPSOL – Fidelity Chemical Products Corp.
ZIRCOA – Zirconium Corp. of America
ZOOMATAR – Zoomar, Inc.
ZT-PROTECHTORS – Zippertubing Co.
Z-TRAC – Zippertubing Co.
ZYGLO – Magnaflux Corp., Sub. General Mills
ZYTEL – E. I. du Pont de Nemours & Co., Inc.

INDEX OF MANUFACTURERS' Sales / Representatives Offices

OF THE 1960-1961 electronics BUYERS' GUIDE

For the Nearest Source of Supply
For a Price Quotation
For Custom-Built Products

NOTE: This punch-out tab is for your convenience in locating the INDEX OF MANUFACTURERS in this issue. Simply push out and fold under. It will then serve as a tab mark to indicate where the listings start.

PUSH OUT AND FOLD

To get additional information on products advertised in this Issue use this convenient Green Section to locate nearest office of manufacturers shown in the Product Listings.

With the following simple 1-2-3 step method you can find names, addresses and phone numbers in a hurry. **Here's how:**

1 Note all manufacturers with complete home office address and phone number are in alphabetical order and high-lighted by bold-faced capital letters for quick identification.

2 Note that directly below in the left-hand column is the alphabetical listing of state-territories of the manufacturer's sales representatives.

3 Immediately following the state-territory you will find the name, address and phone number of the sales representative's office nearest you.

If there is no representative in your territory, we suggest contacting the nearest one to you or the manufacturer's home office.

INDEX OF
MANU -
FACTURERS

INDEX OF MANUFACTURERS' Sales / Representatives Offices

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	A A METAL PRODUCTS INC	**154 Elliot St, Brattleboro, Vt**	**AL4-4333**
Conn	Kempton Associates	252 Asylum St, Hartford, Conn	CH2-4055
Mass	Kempton Associates	252 Asylum St, Hartford, Conn	CH2-4055
NH	Kempton Associates	252 Asylum St, Hartford, Conn	CH2-4055
Vt	Kempton Associates	252 Asylum St, Hartford, Conn	CH2-4055
	AC ELECTRONICS INC	**11725 Mississippi Ave, L A 25, Cal**	**GR8-4288**
	A C SPARK PLUG DIVISION GM	**7929 S. Howell, Oak Creek, Wisc**	**SO2-7000**
	ACDC ELECTRONICS INC	**2979 N. Ontario St, Burbank, Cal**	**VI9-2414**
Cal	William J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
Cal	Sam Dawson Co	127 University Ave, San Diego 3, Cal	CY5-6671
Conn	John E Boeing Co	265 Church St, New Haven 10, Conn	ST7-0115
Del	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
DC	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5621
Fla	William M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Me	John E Boeing Co	P.O. Box 235, Lexington 73, Mass	VO2-2500
Md	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Mass	John E Boeing Co	P.O. Box 235, Lexington 73, Mass	VO2-2500
Nev	William J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
NH	John E Boeing Co	P.O. Box 235, Lexington 73, Mass	VO2-2500
NJ	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
NJ	H L Hoffman & Co., Inc	35 Old Country Rd, Westbury, NY	ED4-5600
NY	H L Hoffman & Co., Inc	35 Old Country Rd, Westbury, NY	ED4-5600
NC	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Pa	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
RI	John E Boeing Co	265 Church St, New Haven 10, Conn	ST7-0115
SC	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Tenn	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Vt	John E Boeing Co	P.O. Box 235, Lexington 73, Mass	VO2-2500
Va	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Sweden	Bo Palmblad Aktiebolag	Hornsgatan 58, Stockholm, Sweden	EX4-9295
	ACF ELECTRONICS DIV	**Riverdale, Md**	**WA7-4444**
	A C TRANSFORMER CORP	**89 Madison St, Newark, NJ**	**MI2-7574**
	ADC INC	**2833 13 Ave, S., Minneapolis 7, Minn**	**PA1-5551**
Ala	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Alaska	C B Parsons	3028 First Ave, Seattle, Wash	MU2-6780
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	AL4-4664
Ark	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Cal	E V Roberts & Associates	5068 W. Washington Blvd, Los Angeles	WE8-2541
Colo	A I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Conn	Wayne Palioca Co	1787 Mass. Ave, Lexington, Mass	VO2-7224
Del	Danco Corp	Germantn Pk/Quarry Hall, Fairview Vlg, Pa	BR5-2600
DC	Danco Corp	Germantn Pk/Quarry Hall, Fairview Vlg, Pa	BR5-2600
Fla	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ga	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Idaho	A I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Ill	Jay C Angel & Co	2743 Peterson Ave, Chicago, Ill	UP8-0653
Ind	Jay C Angel & Co	2743 Peterson Ave, Chicago, Ill	UP8-0653
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Iowa	Jay C Angel & Co	2743 Peterson Ave, Chicago, Ill	UP8-0653
Kan	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	MU6-7441
Ky	James W Murray	Box 28, Westwood Br, Cincinnati, Ohio	HU1-9726
Me	Wayne Palioca Co	1787 Mass. Ave, Lexington, Mass	VO2-7224
Md	Danco Corp	Germantn Pk/Quarry Hall, Fairview Vlg, Pa	BR5-2600
Mass	Wayne Palioca Co	1787 Massachusetts Ave, Lexington	VO2-7224
Mich	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
Minn	R G Ragon Inc	1406 Idaho Ave, W., St. Paul, Minn	MI6-6937
Mo	Maury E Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Mont	C B Parsons	3028 First Ave, Seattle, Wash	MU2-6780
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Neb	A I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Nev	E V Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
NH	Wayne Palioca Co	1787 Mass. Ave, Lexington, Mass	VO2-7224
NJ	Danco Corp	Germantn Pk/Quarry Hall, Fairview Vlg, Pa	BR5-2600
NJ	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NM	A I Williams Co	3221 Silver Ave, S.E. Albuquerque, NM	S-9632
NY	J F Wulfetange Jr	4505 E. Genesee St, De Witt, NY	GI6-3330
NY	Hanna & Ferguson	P.O. Box 3893, Rochester, NY	HU2-7757
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NC	K O Brown	P.O. Box 1791, Greensboro, NC	BR3-5973
Ohio	C A Robinson	P.O. Box 51, Cleveland, Ohio	EV1-9049
Ohio	James Murray	Box 28, Westwood Branch, Cincinnati	HU1-9726
Okla	Maury E Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Ore	C B Parsons	3028 First Ave, Seattle, Wash	MU2-6780
Pa	Danco Corp	Germantn Pk/Quarry Hall, Fairview Vlg	BR5-2600
RI	Wayne Palioca Co	1787 Mass. Ave, Lexington, Mass	VO2-7224
SC	K O Brown & Co	P.O. Box 1791, Greensboro, NC	BR3-5973
Tenn	K O Brown & Co	P.O. Box 1791, Greensboro, NC	BR3-5973
Tex	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Utah	A I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Vt	Wayne Palioca Co	1787 Mass. Ave, Lexington, Mass	VO2-7224
Va	K O Brown	P.O. Box 1791, Greensboro, NC	BR3-5973
Wash	C B Parsons	3028 First Ave, Seattle, Wash	MU2-6780
Wisc	Jay C Angel & Co	2743 Peterson Ave, Chicago, Ill	UP8-0653
Wisc	R G Ragon Inc	1406 Idaho Ave, W., St. Paul, Minn	MI6-6937
Wyo	A I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
	ADRE	**8980 Hawthorne Ln, Holes Corners, Wisc**	**GA5-0453**
Iowa	B Heyda	2101 Auto Club Rd, Minneapolis 20, Minn	
Minn	B Heyda	2101 Auto Club Rd, Minneapolis 20, Minn	
Pa	H C Glow	228 Franklin Ave, Scranton 3, Pa	
	AEG	**Hochhaus Sued, Frankfurt/Main, Germany**	**FR6-0527**
	A-K MFG CO., INC	**111 S. N'west Hwy, Barrington, Ill**	**DU1-5432**
Cal	Michael J Cozzi	6245 Zelzah Ave, Reseda, Cal	DI2-7383
Ill	Nero Electronic Sales Co	3516 Elmwood Ave, Wilmette, Ill	AL6-1045
	APC COMMUN PRODUCTS DIV	**Box 110, Mineral Wells, Tex**	**FA5-3301**
DC	Nesbitt Co	7016 River Rd, Washington, DC	OL2-1450
DC	Jay Co	2420 Wilson Blvd, Washington, DC	JA4-6767
	APM CORP	**41 Hancock St, Englewood, NJ**	
Ala	Jake Rudisill Associates	1312 Myrtle, Charlotte, NC	FR6-4792
Ariz	Wayne Goldie Co	170 Lowell, Sierra Madre, Cal	EL5-7305
Cal	Jeff McKnight Co	Box 543, Menlo Park, Cal	DA6-3762
Cal	Western Electromotive Inc	5544 W. Pico Blvd, Los Angeles, Cal	WE1-1525
Cal	Wayne Goldie Co	170 Lowell Ave, Sierra Madre, Cal	EL5-7305
Colo	Fred A Pease Co	Box 1566, Denver 1, Colo	DU8-4643
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
DC	Nat Kronstadt Associates	13107 Matey Rd, Silver Spring, Md	WH6-7733
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Idaho	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Ill	Hill & Gray Inc	4½ Harrison, Oak Park, Ill	ES8-7050
Ill	Gordon Fixman Engrg Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ind	Forrest C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne 2	AN9122
Iowa	D R Hausten	607 Willow St, E., Wheaton, Ill	MO8-7312
Kan	Gordon Fixman Engrg Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ky	Forrest C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne 2, Ind	AN9122
Me	Nat Kronstadt Associates	13107 Matey Rd, Silver Spring, Md	WH6-7733
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	Koehler & Pasmore Co	11833 Hamilton, Detroit 3, Mich	TO8-3222
Minn	Northport Engrg Co	1729 Selby Ave, St. Paul, Minn	MI6-2621
Mo	Gordon Fixman Associates	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Mont	Fred A Pease Co	Box 1566, Denver 1, Colo	DU8-4643
Nev	Western Electromotive Inc	5544 W. Pico Blvd, Los Angeles 19, Cal	WE1-1525
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	Adolph Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	MO4-6110
NJ	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
NM	Morris Steel & Aluminum Co	170 Lowell Ave, Sierra Madre, Cal	EL5-7305
NY	Adolph Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	MO4-6110
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
ND	Northport Engrg Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Ohio	Forrest C Valentine Inc	511 Ft. Wayne Bk Bldg, Ft. Wayne 2, Ind	AN9122
Ore	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Pa	John O Olsen Co	104 Elaton Dr, Pittsburgh 16, Pa	BR9-2550
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
SD	Northport Engrg Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Tenn	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Utah	Fred A Pease Co	Box 1566, Denver 1, Colo	DU8-4643
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Wash	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	John O Olsen Co	104 Elaton Dr, Pittsburgh 16, Pa	BR9-2550
Wisc	Northport Engrg Co	1729 Selby Ave, St. Paul, Minn	MI6-2621
Wyo	Fred A Pease Co	Box 1566, Denver 1, Colo	DU8-4643
Foreign	Super Electronics Corp	125 5th Ave, New York 3, NY	
Foreign	Super Electronics Corp	97 Barthel Str, Cologne, Germany	
	A P W CO	**72 W. Main St, Rockaway, NJ**	**OA7-0643**
NY	Henry J Abbott	3939 Wicks Ave, Seaford, NY	SU1-5256
	A R & D A	**135 Main St, Belleville 9, NJ**	**PL9-4902**
Pa	Arobone & Cline	33rd & Arch Sts, Philadelphia, Pa	EV2-6520
	ARF PRODUCTS INC	**7627 Lake St, River Forest, Ill**	**FO9-6000**
Alaska	Southwest Intl Inc	614 11th St, N.W., Albuquerque, NM	CH2-5065
Ariz	Robert E Berg	8807 Cordova Ave, N.E., Albuquerque, NM	9-1351
Cal	William Wahl Corp	11973 San Vicente Blvd, Los Angeles 49	GR2-1246
Cal	Robert E Berg	8807 Cordova Ave, N.E., Albuquerque, NM	9-1351
Colo	Robert E Berg	8807 Cordova Ave, N.E., Albuquerque, NM	9-1351
Hawaii	Southwest Intl Inc	614 11th St, N.W., Albuquerque, NM	CH2-5065
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NM	Robert E Berg	8807 Cordova Ave, N.E., Albuquerque	9-1351
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Ohio	L D Bruno	Box 61, Far Hills Br, Dayton 9, Ohio	AX3-8703
Pa	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Foreign	Southwest Intl Inc	614 11th St, N.W., Albuquerque, NM	CH2-5065
	ABACUS INC	**3040 Overland Ave, Los Angeles 34, Cal**	**VE7-6169**
	ABALON PRECISION MFG CORP	**540 Cosenove St, New York 59, NY**	**LU9-5682**
	ABBOTT PRODUCTS INC	**14-10 123rd St, College Point 56, NY**	**FL8-1490**
	ABRAMS INSTRUMENT CORP	**606 E. Shiawassee, Lansing, Mich**	**IV4-8441**
	ABTRONICS INC	**64 S. P St, Livermore, Cal**	**HI7-4785**
Ala	Ed Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-5660
Ariz	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
Cal	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
Colo	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
Del	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
Fla	Ed Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	Ed Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-5660
Idaho	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
Mich	Tower Engineering Co	19364 James Couzens Hwy, Detroit 35	DI1-2332
Nev	Ault & Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
NJ	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
NY	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NC	Ed Holmes & Associates	440 W. Market St, Greensboro, NC	BR2-0855
Ohio	Tower Engineering Co	2138 Lee Rd, Cleveland 18, Ohio	YE2-8563
Pa	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI5-1400
Pa	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
SC	Ed Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-5660
Tenn	Ed Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-5660
Utah	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
Va	Ed Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-5660
	ACCURACY INC	**4 Gordon St, Waltham 54, Mass**	**TW4-1126**
Ariz	Samuel O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Cal	Samuel O Jewett Co	1311 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Del	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
DC	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Md	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Nev	Samuel O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
NY	Savco Inc	124 Kinne Rd, E., Syracuse, NY	GI6-4927
NC	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Pa	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Tenn	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Va	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
	ACCURATE ELECTRONICS CORP	**Dept G, 169 Abbe Rd, S., Elyria, Ohio**	**EN5-1211**
Conn	William Porter Agency	P.O. Box 591, Worcester, Mass	PL4-6538
Del	William C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	NO2-6336
Ill	Arthur J Ellis Co	1607 W. Howard St, Chicago 16, Ill	AM2-2708
Ind	W A Meily Co	4017 S. Harrison Blvd, Ft. Wayne 6, Ind	KE2461
Ky	Joseph H Clark	Box 708, Warrensville Br, Cleve 22, Ohio	PR1-2241
Mass	William Porter Agency	P.O. Box 591, Worcester, Mass	PL4-6538
Mich	W A Meily Co	4017 S. Harrison Blvd, Ft. Wayne 6, Ind	KE2461
NJ	William C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	NO2-6336
NY	Burt U Levy	20-30 Elk Dr, Far Rockaway 91, NY	FA7-7608
NY	William Porter Agency	P.O. Box 591, Worcester, Mass	PL4-6538
Ohio	Joseph H Clark	Box 708, Warrensville Br, Cleve 22, Ohio	PR1-2241
Pa	William C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	NO2-6336
RI	William Porter Agency	P.O. Box 591, Worcester, Mass	PL4-6538
Wisc	Arthur J Ellis Co	1607 W. Howard St, Chicago 26, Ill	AM2-2708
Canada	Electrolabs	7385 St. Lawrence Blvd, Montreal, Que	CR6-6076
	ACCURATE INSTRUMENT CO., INC	**2422 Bennard St, Houston 6, Tex**	**JA6-4947**
Cal	A F Sales Engrg Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Cal	J Stone & Associates	22256 Brookmill Rd, Los Altos, Cal	YO8-2770
Conn	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	
Del	Houser Associates	188 Water St, Perth Amboy, NJ	
Idaho	Myron R Smith & Co	Box 246, Kirkland, Wash	
Me	Component Sales Engrg Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Md	Houser Associates	188 Water St, Perth Amboy, NJ	
Mass	Component Sales Engrg Inc	385 E. Green St, Pasadena, Cal	MU1-5631
NH	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	
NJ	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	
NY	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	
Ohio	Myron R Smith & Co	Box 246, Kirkland, Wash	
Ore	Myron R Smith & Co	Box 246, Kirkland, Wash	
Pa	Houser Associates	188 Water St, Perth Amboy, NJ	
RI	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	
Vt	Component Sales Engrg Inc	218 E. Hartsdale Ave, Hartsdale, NY	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Va	Houser Associates	188 Water St, Perth Amboy, NJ	
Wash	Myron R Smith & Co	Box 246, Kirkland, Wash	
Wash	Houser Associates	188 Water St, Perth Amboy, NJ	
	ACCURATE MFG CO., INC.	**44 Hepworth Pl, Garfield, NJ**	**GR3-2900**
Cal	F J Alley Co	1513-15 S. Mateo St, Los Angeles 21, Cal	TU3101
Cal	Curry Co., The	305 King St, San Francisco, Cal	YU2-0788
Colo	L B Putnam Co	2013 Welton St, Denver 5, Colo	TA5-5066
Conn	Chas E Schotl	952 Main St, Bridgeport 3, Conn	ED5-8492
Fla	Bill Crighton & Associates	P.O. Box 173, Riverview, Fla	TA40-3051
Ga	Frank B Davis	708 Spring St, N.W., Atlanta 8, Ga	TR5-2278
Hawaii	Makinney	P.O. Box 1577, Honolulu 6, Hawaii	67-551
Ill	R O Catellier Inc	4908 W. Fullerton Ave, Chicago 39, Ill	BE7-5460
Kan	R L Haitzlip Co	1401 Fairfax Trfwy, Kansas City 15, Kan	MA1-4700
Mich	V W Cross Co	5019 Ridgewood Ave, Detroit 4, Mich	WE3-7517
Minn	Clifford L Grove	3922 Xerxes Ave, N., Minneapolis 12	JA9-5682
Mo	C J Sampson Co	5627 Manchester Ave, St. Louis 3, Mo	MI7-4344
NJ	Brazill Brothers	11-13 McKinley St, Linden, NJ	WA5-0800
NY	Walter E Daw Co., Inc	753 James St, Syracuse 3, NY	GR9-6658
NC	W H Lassiter Sales Co	P.O. Box 11014, Charlotte 9, N C	FR5-5031
Ohio	Arthur L Ehlers Co	1031 Meta Dr, Cincinnati 37, Ohio	EL1-4700
Okla	Wayne G Parker Co	P.O. Box 518, Jenks, Okla	SH9-5449
Pa	M B Squires Co	1 Cedar Blvd, Pittsburg 28, Pa	FI1-6673
Pa	Wm O Weide & Sons	120 N. 32nd St, Philadelphia 4, Pa	EV6-0925
Tenn	K L Wahlstrom	5540 Mason Cove, Memphis 17, Tenn	MU2-1109
Tex	R L Brewer Co., Inc	P.O. Box 1547, El Paso, Tex	KE2-7651
Wash	Electric Agencies	506 Second Ave, Seattle 4, Wash	MA3-2360
Wisc	A W Schwing Co	324 S. Second St, Milwaukee 4, Wisc	
	ACCURATE PAPER TUBE CO	**801 N. Peoria St, Chicago 22, Ill**	**CH3-2166**
	ACCURATE SPECIALTIES CO., INC	**37-11 57th St, Woodside 77, NY**	**TW9-5757**
Ariz	Edward Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	Yarborough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
Ind	Victor Musser	608 W. 2nd St, Marion, Ind	NO2-7874
Pa	Schumacher Associates	1209 Old York Rd, Abingdon, Pa	
Tex	Philip Scanlon	2608 Inwood Rd, Dallas, Tex	FL1-9991
	ACCURATE SPRING MFG CO	**3811 W. Lake St, Chicago 24, Ill**	**VB6-5900**
Ariz	Pacific Component Sales, Inc	315 W. 9th St, Los Angeles, Cal	MA2-0808
Cal	Pacific Component Sales, Inc	315 W. 9th St, Los Angeles, Cal	MA2-0808
Ind	D G Teeling Co	P.O. Box 20111, Indianapolis 20, Ind	CL1-9571
Iowa	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Kan	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Ky	John F Kelfoil Co	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Mich	C J Bauer Jr	1697 Brockway St, Saginaw, Mich	PL5-3211
Mich	M G Chapin Jr	18925 Grand River Ave, Detroit 23, Mich	VE8-8950
Minn	O R Kreutzeger & Co	6524 Walker St, Minneapolis 26, Minn	WE9-3335
Mo	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Mo	Lee Horneyes Co	7 N. Grand Blvd, St. Louis 3, Mo	JE5-1223
Neb	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
NY	R W Jackson	4446 Main St, Buffalo 26, NY	CI2094
Ohio	John F Kelfoil Co	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Ohio	Hiltebrant-Greenleaf Co	8905 Lake Ave, Cleveland 2, Ohio	OL1-6900
Wisc	Accurate Spg Mfg Co	8403 Libson Ave, Milwaukee 22, Wisc	HO1-0333
Canada	John R Fraser	3101 Longfellow Ave, Windsor, Ont, Can	YO9-1842
	ACE COIL & ELECTRONICS CO	**912 Lincoln Hwy, Metuchen, NJ**	**LI8-3580**
	ACE ELECTRONICS ASSOCIATES INC	**99 Dover St, Somerville, Mass**	**SO6-5130**
Ala	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	RO6498
Ariz	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Ark	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Cal	McKnight Co	1436 El Camino Real, Menlo Park, Cal	DA6-3762
Colo	Hyltronic Measurements Inc	1295 S. Bannock, Denver, Colo	PE3-3701
Conn	Robert W Gray Inc	47 Deforest St, Watertown, Conn	CR4-2363
Del	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
DC	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
Fla	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	RO6498
Idaho	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-3107
Ind	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-3107
Ind	Callaghan-Bach Inc	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Iowa	Thunderbird Engrg Sls Services Inc	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Kan	Thunderbird Engrg Sls Services Inc	6405 E. Kellogg, Wichita, Kan	MU4-3941
La	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Me	Robert W Gray Inc	572 Washington St, Wellesley, Mass	CE5-0191
Md	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
Mass	Robert W Gray Inc	572 Washington St, Wellesley, Mass	CE5-0191
Mich	C H Roller Sales Co	5249 Stage N. W., Grand Rapids, Mich	EM1-9629
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Mo	Thunderbird Engrg Sls Services Inc	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Mont	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Neb	Thunderbird Engrg Sls Services Inc	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
NH	Robert W Gray Inc	572 Washington St, Wellesley, Mass	CE5-0191
NJ	O F Masin Co	1 Wolf's Ln, Pelham, N Y	PE8-4510
NM	Hyltronic Measurements Inc	211 Sierra S.E., Albuquerque, NM	
NY	Wall Associates	P.O. Box 161, DeWitt, N Y	GI6-4100
NY	O F Masin Co	1 Wolf's Ln, Pelham, N Y	PE8-4510
NC	K O Brown & Co	P.O. Box 1791, Greensboro, N C	BR3-5973
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Ohio	George T Wright Associates	P.O. Box 2950, Cleveland, Ohio	ED1-8656
Ohio	Callaghan-Bach Inc	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Okla	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Ore	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Pa	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
Pa	George T Wright Associates	P.O. Box 2950, Cleveland, Ohio	ED1-8656
RI	Robert W Gray Inc	572 Washington St, Wellesley, Mass	CE5-0191
SC	K O Brown & Co	P.O. Box 1791, Greensboro, N C	BR3-5973
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Tenn	K O Brown & Co	P.O. Box 1791, Greensboro, N C	BR3-5973
Tex	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Utah	Hyltronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Vt	Robert W Gray Inc	572 Washington St, Wellesley, Mass	CE5-0191
Va	K O Brown & Co	P.O. Box 1791, Greensboro, N C	BR3-5973
Wash	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wisc	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-3107
Wyo	Hyltronic Measurements Inc	1295 S. Bannock, Denver, Colo	PE1-3701
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
Canada	Conway Electronic Enterprises	1514 Eglinton Ave, W., Toronto, Ont	RU3-6576
	ACE ENGINEERING & MACHINE CO., INC	**Tomlinson Rd, Huntingdon Valley, Pa**	**WI7-1900**
Cal	Premmco Inc of Northern California	2406 Lincoln Ave, Alameda, Cal	LA3-9495
Cal	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Colo	Alldredge & McCabe	847 E. 17th Ave, Denver 18, Colo	AL5-7496
Ill	Universal Sales & Supply Inc	14 Industrial Rd, Addison, Ill	KI3-6405
NY	Edwin S Kesney	3577 Carroll Ave, Wantagh, NY	SU1-2568
Wash	Builders Specialties Inc	3601 Greenwood Ave, Seattle 3, Wash	ME3-4000
	ACE PLASTIC CO	**91-30 Van Wyck Expwy, Jamaica 35, NY**	**JA3-5500**
Ill	Joseph Robinson & Associates	818 W. Evergreen Ave, Chicago, Ill	MO4-1413
Mass	Orkney Associates	12 Norfolk St, Cambridge, Mass	KI7-0670
Mich	Barrabeau-Dulude Inc	1812 S Rochester Rd, Rochester, Mich	OL1-8410
	ACE SPRING MFG CO., INC.	**144 32 St, Brooklyn 32, NY**	**ST8-0100**
	ACETO CHEMICAL CO., INC	**40-40 Lawrence St, Flushing, NY**	**IN1-4100**
Cal	Aceto Chemical of Cal Inc	6850 Tujunga Ave, N Hollywood, Cal	TR7-9913
Canada	Mohawk Chemical Ltd	Box 61, Mt. Royal Sta, Montreal, Canada	RE7-6794
	ACHESON COLLOIDS CO	**1950 Washington Ave, Port Huron, Mich**	**YU4-4171**
Cal	Clarence Haserot	2736 E. Walnut St, Pasadena, Cal	MU1-7812
Ill	Norman T Bauer	510 N. Dearborn St, Chicago 10, Ill	MO4-2032
Mass	William F Sentner	89 Broad St, Boston 10, Mass	HA6-6979
Mich	H J Lang	415 Brainard, Detroit 1, Mich	TE3-9028
Mo	W E Lang	5523 Nottingham Ave, St. Louis 9, Mo	FL3-4866
NY	Wm D Signer Jr	907 Monroe Ave, Rochester 20, NY	GR3-2536
NY	Frank H Mrozek	111 E. First Ave, New York, NY	CH1-0952
Ohio	Kurt R Student	12429 Cedar Rd, Cleveland 6, Ohio	YE2-7151
Ohio	W J Keith	627 Salem Ave, Dayton 6, Ohio	CR7-3042
Pa	M E Dougherty	1426 Land Title Bldg, Phila 10, Pa	LO7-7113
Pa	C J Gallagher	530 Sixth Ave, Pittsburgh 19, Pa	AT1-9681
	ACKERMAN ENGRAVERS INC	**450 Broadway, New York, NY**	**BA7-1479**
	ACKERMAN-GOULD CO., INC	**10 Neil Ct, P.O. Box 188, Oceanside, NY**	**OR8-4110**
	ACKERMAN-JOHNSON CO	**625 W. Jackson Blvd, Chicago 6, Ill**	**RA6-2817**
Ala	F L Bishop	333 Candler Bldg, Atlanta 3, Ga	
Ariz	R J Sargent Co., Inc	Box 22103, Los Angeles 22, Cal	
Ark	Ace Supply Co	1111 Austin St, San Antonio 8, Tex	
Cal	R J Sargent Co., Inc	Box 22103, Los Angeles 22, Cal	
Colo	C B Belt & Co	2149 S. Claremont St, Denver 22, Colo	
Conn	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
Del	Metal-Aides Agents Inc	2314 N. 9th St, Philadelphia 33, Pa	
DC	Metal-Aides Agents Inc	2314 N. 9th St, Philadelphia 33, Pa	
Fla	J D Radding Inc	6910 N.W. 37th Ave, Miami 47, Fla	
Ga	F L Bishop	333 Candler Bldg, Atlanta 3, Ga	
Idaho	Allied Industrial & Metal Sales	2728 Adams St, Salt Lake City 15, Utah	
Ill	Wood & Anderson Co	3001 Delmar Blvd, St. Louis 3, Mo	
Kan	Wood & Anderson Co	3001 Delmar Blvd, St. Louis 3, Mo	
Ky	James English Sales Co	2485 Fairmont Blvd, Cleveland Hgts, Ohio	
La	W D Faust	833 Howard Ave, New Orleans, La	
Me	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
Md	Metal-Aides Agents Inc	2314 N. 9th St, Philadelphia 33, Pa	
Mass	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
Mich	Maynard F Frazier Co	10214 Puritan Ave, Detroit 38, Mich	
Minn	McCulloch Sales Co	714 Portland Ave, Minneapolis 15, Minn	
Miss	W D Faust	833 Howard Ave, New Orleans, La	
Mo	Wood & Anderson Co	3001 Delmar Blvd, St. Louis 3, Mo	
Mont	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland 15, Ore	
Neb	Wood & Anderson Co	3001 Delmar Blvd, St. Louis 3, Mo	
NH	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
NJ	William J Waldron	669 Irvington Ave, Newark 6, NJ	
NM	C D Belt & Co	2149 S. Claremont St, Denver 22, Colo	
NY	Herbert C Leonard	130 Ball Circle, Syracuse, NY	
NC	F L Bishop Co	333 Candler Bldg, Atlanta 3, Ga	
ND	McCulloch Sales Co	714 Portland Ave, Minnpls 15, Minn	
Ohio	James English Sales Co	2485 Fairmont Blvd, Cleveland Hgts, Ohio	
Okla	Ace Supply Co	1111 Austin St, San Antonio 8, Tex	
Ore	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland 15, Ore	
Pa	Metal-Aides Agents Inc	2314 N. 9th St, Philadelphia 33, Pa	
Pa	Edward D McGinley	Box 10336, Pittsburgh 34, Pa	
RI	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
SC	F L Bishop Co	333 Candler Bldg, Atlanta 3, Ga	
SD	McCulloch Sales Co	714 Portland Ave, Minneapolis 15, Minn	
Tenn	F L Bishop Co	333 Candler Bldg, Atlanta 3, Ga	
Tex	Ace Supply Co	1111 Austin St, San Antonio 8, Tex	
Utah	Allied Industrial & Metal Sales	2728 Adams St, Salt Lake City 15, Utah	
Vt	Surprenant Sales	1 Aldrich Rd, Wakefield, Mass	
Va	F L Bishop Co	333 Candler Bldg, Atlanta 3, Ga	
Wash	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland 15, Ore	
W. Va	James English Sales Co	2485 Fairmont Blvd, Cleveland Hgts, Ohio	
Wisc	McCulloch Sales Co	714 Portland Ave, Minnpls 15, Minn	
Wyo	C D Belt & Co	2149 S. Clermont St, Denver 22, Colo	
	ACME BATTERY CORP	**200 Henry St, Stamford, Conn**	**DA4-4125**
	ACME ELECTRIC CORP	**Water St, Cuba, NY**	**Cuba 4**
Ala	Hopper & McCoy	870 Northside Dr, N.W., Atlanta 18, Ga	TR2-5803
Ariz	Sheller-Kahn Co	240 S. 1st Ave, Phoenix, Ariz	AL8-7893
Ark	Fred Army	4209 Parry Ave, Dallas 10, Tex	TA1-0567
Cal	W A Patterson	420 Market St, San Francisco 5, Cal	EX2-8847
Cal	K L Burton	12822 Yukon Ave, Hawthorne, Cal	OR8-1238
Colo	Hiebert Co., The	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Conn	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
Conn	Cooper-Simon & Co., Inc	400 E. 79th St, New York, NY	LE5-2900
Del	R J Donovan	419 Hillside Rd, King of Prussia, Pa	BR9-2341
DC	C T Little	Box 248, Vienna, Va	DU5-8990
Fla	Hopper & James Inc	Box 47456 N.W.Br., Miami 47, Fla	OX6-0611
Fla	Hopper & McCoy	Box 2527 Sta D, Atlanta 18, Ga	TR2-5803
Ga	Hopper & McCoy	Box 2527 Sta D, Atlanta 18, Ga	TR2-5803
Idaho	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
Ill	Ross Industrial Products Inc	5306 W. Lawrence Ave, Chicago 30, Ill	MU5-0660

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Ind	Henry Meltvedt	17404-11 Mile Rd, Roseville, Mich	PR5-6884
Ind	Ross Industrial Products Inc	5306 W. Lawrence Ave, Chicago 30, Ill	MU5-0660
Iowa	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Kan	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Ky	Baehr-Greenleaf & Associates Inc	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Ky	Robert L Varley	1032 Prospect Ave, Olean, NY	OL8272
La	Weitbaecher & Kennedy	620 Girod St, New Orleans 12, La	MA7559
Me	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
Md	Robert L Varley	1032 Prospect Ave, Olean, NY	OL8272
Md	Richard J Donovan	419 Hillside Rd, King of Prussia, Pa	BR9-2341
Mass	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
Mich	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Mich	Henry Meltvedt	17404-11 Mile Rd, Roseville, Mich	PR5-6884
Minn	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Miss	Weitbaecher & Kennedy	620 Girod St, New Orleans 12, La	MA7559
Mo	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Mont	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
Neb	Hiebert Co., The	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Neb	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Nev	Sheller-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
NH	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
NJ	Cooper-Simon & Co., Inc	400 E. 79th St, New York 21, NY	LE5-2900
NJ	Richard J Donovan	419 Hillside Rd, King of Prussia, Pa	BR9-2341
NM	Sheller-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
NY	Cooper-Simon & Co., Inc	400 E. 79th St, New York 21, NY	LE5-2900
NY	Edward D Sweeney	103 Monroe Terr, Olean, NY	OL4558
NY	Floyd Van Alstyne	Box 55, Westview Sta, Binghamton, NY	SW7-7483
NY	Robert L Varley	1032 Prospect Ave, Olean, NY	OL8272
NC	Barber-Ayers & Associates	1705 W. Lee St, Greensboro, NC	BR3-9108
ND	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Ohio	Baehr-Greenleaf & Associates Inc	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Okla	Fred Army	4209 Parry Ave, Dallas 10, Tex	TA1-0567
Ore	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
Pa	Robert L Varley	1032 Prospect Ave, Olean, NY	OL8272
Pa	Floyd Van Alstyne	Box 55, Westview Sta, Binghamton, NY	SW7-7483
Pa	Richard J Donovan	419 Hillside Rd, King of Prussia, Pa	BR9-2341
RI	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
SC	Barber-Ayers & Associates	1705 W. Lee St, Greensboro, NC	BR3-9108
SC	Hopper & McCoy	Box 2527, Sta D, Atlanta 18, Ga	TR2-5803
SD	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Tenn	Hopper & McCoy	Box 2527, Sta D, Atlanta 18, Ga	TR2-5803
Tex	Fred Army	4209 Parry Ave, Dallas 10, Tex	TA1-0567
Tex	Sheller-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
Utah	Hiebert Co., The	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Vt	Roger Chambers	29 Bromfield St, Wollaston 70, Mass	GR2-3086
Va	Barber-Ayers & Associates	1705 W. Lee St, Greensboro, NC	BR3-9108
Va	Richard J Donovan	419 Hillside Rd, King of Prussia, Pa	BR9-2341
Wash	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
W. Va	Robert L Varley	1032 Prospect Ave, Olean, NY	OL8272
Wisc	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Wyo	Hiebert Co., The	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
	ACME ELECTRIC HEATING CORP	**99 Reading St, Boston, Mass**	**HI2-4125**
	ACME INDUSTRIAL CO	**282 N. Loffin St, Chicago, Ill**	**MO6-4122**
	ACME MODEL ENGINEERING CO	**6224 15th Ave, Brooklyn 19, NY**	**BE2-1310**
NY	Vertor Sales Co	2362 E. 66 St, Brooklyn 34, NY	HI4-3880
Tex	Gordon V Peck Co	4007 Bellaire Blvd, Houston 25, Tex	MO4-1435
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-8579
	ACME TOOL & SPECIALTIES CO	**224 N. Loomis St, Chicago 7, Ill**	
	ACME WIRE CO	**New Haven 14, Conn**	**LO2-2171**
	ACOPIAN TECHNICAL CO	**927 Spruce St, Easton, Pa**	**BL8-6149**
Md	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MO8-5173
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Pa	Bell & Whitaker	3523 Jacksonwald Ave, Reading, Pa	FR5-6837
Pa	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Pa	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MO8-5173
	ACOUSTICA ASSOCIATES INC	**10400 Aviation Blvd, Los Angeles 45, Cal**	**OR9-3393**
Ala	Electronic Engineering	228 Commercial St, Montgomery 4, Ala	AM2-2932
Alaska	Van Waters & Rogers Inc	2625 Skeena St, Vancouver 12, B C, Canada	
Ariz	Braun Chemical Co	2930 W. Osborn Rd, Phoenix, Ariz	AL8-1511
Ark	A H MacGregor	102 W. Lockwood Ave, Webster Groves, Mo	
Cal	Braun Chemical Co	1363 S. Bonnie Beach Pl, L A 54, Cal	AN9-9311
Cal	Braun Chemical Co	1745 Imperial Ave, San Diego, Cal	BE2-7421
Cal	Braun-Knecht-Heimann Co	1400 16th St, San Francisco 19, Cal	HE1-8800
Colo	Braun-Knecht-Heimann Co	2301 Blake St, Denver, Colo	TA5-0251
Conn	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
Del	J J Maguire Co	742 Investment Bldg, Washington 5, DC	NA8-4247
DC	J J Maguire Co	742 Investment Bldg, Washington 5, DC	NA8-4247
Fla	Duncan S MacGregor	4308 Autumn Dr, Doraville, Ga	GL7-0180
Ga	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
Hawaii	Van Waters & Rogers Inc	2625 Skeena St, Vancouver 12, BC, Canada	
Idaho	Braun-Knecht-Heimann Co	1400 16th St, San Francisco 19, Cal	HE1-8800
Idaho	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
Ill	A H MacGregor	102 Lockwood Ave, Webster Groves 19, Mo	
Ill	George H Anderson	205 W. Wacker Dr, Chicago, Ill	AN3-6996
Ind	Roy Hawthorne	10905 S. Prospect Ave, Chicago, Ill	BE3-6908
Iowa	George H Anderson	205 Wacker Dr, Chicago 6, Ill	AN3-6996
Iowa	C G Crosby & Associates Inc	Box 6355, Richfield Sta, Minnpls 23, Minn	TA2-0353
Kan	Roy Hawthorne	10905 S. Prospect Ave, Chicago, Ill	BE3-6908
Ky	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
La	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
Me	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
Md	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Mass	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
Mich	Charles H Armstrong Co	570 Livernois, Ferndale 20, Mich	LI4-1305
Minn	C G Crosby & Associates Inc	P.O. Box 6355, Richfield Sta, Minnpls	TA2-0353
Miss	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
Mo	A H MacGregor	102 W. Lockwood Ave, Webster Groves, Mo	
Mont	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
Neb	C G Crosby & Associates Inc	P.O. Box 6355, Richfield Sta, Minnpls, Minn	TA2-0353
Nev	Van Waters & Waters Inc	2625 Skeena St, Vancouver 12, BC, Canada	
NH	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
NJ	J J Maguire	742 Investment Bldg, Wash 5, DC	NA8-4247

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	George Brennan	29 McGregor Ave, Roslyn Hghts, NY	MA1-4118
NM	Braun Chemical Co	1363 S. Bonnie Beach Pl, L A 54, Cal	AN9-9311
NY	Heat Systems	777 Northern Blvd, Great Neck, NY	HU2-8942
NY	Ralph C Schwarz & Sons	75 College Ave, Rochester, NY	BR1-4696
NY	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
NC	Electro-Motion Corp	501 E. North St, Greenville, SC	BR1-4696
ND	C G Crosby & Associates Inc	P.O. Box 6355, Richfield Sta, Minnpls, Minn	TA2-0353
Ohio	Charles H Armstrong Co	570 Livernois, Ferndale 20, Mich	LI4-1305
Ohio	Arthur N Ulrich Co	4348 River St, Willoughby, Ohio	WH6-2033
Ohio	Arthur N Ulrich Co	1251 Millerdale Rd, Columbus 9, Ohio	BE7-3084
Ore	Scientific Supplies Co	3950 N. W. Yeon Ave, Portland 10, Ore	CA2-1721
Pa	Ralph C Schwarz & Sons	75 College Ave, Rochester, NY	BR1-4696
Pa	George Brennan	29 McGregor Ave, Roslyn Hghts, NY	MA1-4118
RI	Giffordline Chemical Co	P.O. Box 2072, Edgewood Sta, Providence	ST1-5560
SC	Electro-Motion Corp	501 E. North St, Greenville, SC	CE5-1152
SD	C G Crosby & Associates Inc	P.O. Box 6355, Richfield Sta, Minnpls, Minn	TA2-0353
Tenn	Electro-Motion Corp	501 E. North St, Greenville, SC	CE5-1152
Tenn	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
Tex	Allied Components Inc	P.O. Box 1023, Dallas, Tex	RI2-2830
Tex	Braun Chemical Co	1309 Texas St, El Paso, Tex	KE3-3497
Utah	Braun-Knecht-Heimann Co	1400 16th St, San Francisco 19, Cal	HE1-8800
Vt	Maurice Howell	600 Old Colony Rd, Garden City, NY	OV1-2100
Va	Electro-Motion Corp	501 E. North St, Greenville, SC	CE5-1152
Va	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Wash	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
W. Va	Duncan S MacGregor	3408 Autumn Dr, Doraville, Ga	GL7-0180
Wisc	Scientific Products	4513 N. Murray, Whitefish Bay, Wisc	
Wisc	C G Crosby & Associates Inc	P.O. Box 6355, Richfield Sta, Minn 23	TA2-0353
Foreign	Electronics Mfgrs Export	127 Grace St, Plainview, NY	WE1-3701
Canada	Van Waters & Rogers	2625 Skeena St, Vancouver 12, BC, Canada	
	ACRO DIV ROBERTSHAW-FULTON CONTROLS CO	**2840 E. Main St, Columbus 16, Ohio**	**CL3-8531**
Ala	J E Joyner	P.O. Box 10821, Atlanta, Ga	
Ariz	H G Sheffer	P.O. Box 1587, Phoenix, Ariz	PH2-4487
Ark	Tom Stone	Box 1361, Knoxville, Tenn	
Cal	Fred Alleman	1625 Blake Ave, Los Angeles, Cal	
Cal	Fisher Switch Inc	40 Gough St, San Francisco, Cal	
Colo	C P Elliott	661 Delaware St, Denver 4, Colo	
Conn	Acro Div	5 Sherman Rd, Hazardville, Conn	RI9-3811
Del	Acro Div	4 Hillcrest Ave, Hawthorne, NJ	HA7-6922
DC	Acro Div	4 Hillcrest Ave, Hawthorne, NJ	HA7-6922
Fla	J E Joyner & Associates	P.O. Box 10821, Atlanta 10, Ga	
Ga	J E Joyner & Associates	P.O. Box 10821, Atlanta 10, Ga	
Hawaii	Acro Div	6215 Dempster Ave, Morton Grove, Ill	OR4-6900
Idaho	C B Parsons	3028 First Ave, Seattle, Wash	MU3933
Ill	Acro Div	2615 Dempster Ave, Morton Grove, Ill	OR4-6900
Iowa	Acro Div	6215 Dempster Ave, Morton Grove, Ill	OR4-6900
Kan	Acro Div	6215 Dempster Ave, Morton Grove, Ill	OR4-6900
La	Tom Stone	P.O. Box 1361, Knoxville, Tenn	
Me	Acro Div	5 Sherman Rd, Hazardville, Conn	RI9-3811
Md	Acro Div	6215 Dempster Ave, Morton Grove, Ill	OR4-6900
Mass	Acro Div	5 Sherman Rd, Hazardville, Conn	RI9-3811
Mich	Acro Div	8406 W. McNichols, Detroit 2, Mich	UN3-2400
NH	Acro Div	5 Sherman Rd, Hazardville, Conn	RI9-3811
NJ	Acro Div	4 Hillcrest Ave, Hawthorne, NJ	HA7-6922
NY	Acro Div	4 Hillcrest Ave, Hawthorne, NJ	HA7-6922
	ACRO PRODUCTS CO	**410 Shore Ln, Philadelphia 28, Pa**	**IV3-1661**
	ACROMAG INC	**22515 Telegraph Rd, Southfield, Mich**	**EL7-0030**
Ala	E C Raymond & Associates	P.O. Box 8215, Madeira Beach, Fla	7-6126
Ariz	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Cal	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Colo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1371
Conn	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Del	Horman Associates	3006 W. Cold Spring Ln, Baltimore, Md	MO4-8345
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	E C Raymond & Associates	P.O. Box 8215, Madeira Beach, Fla	7-6126
Ga	E C Raymond & Associates	P.O. Box 8215, Madeira Beach, Fla	7-6126
Ill	Dave Hausten Co	607 E. Willow St, Wheaton, Ill	MO8-7313
Ind	Electro-Rep	22519 Telegraph Rd	EL6-7211
Kan	Russ D Sebright Co	7120 W. Florissant Ave, St Louis 20, Mo	CO1-0055
Me	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Md	Horman Associates	3006 W. Cold Spring Ln, Baltimore, Md	MO4-8345
Mass	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Mich	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
Mo	Russ D Sebright & Co	7120 W. Florissant Ave, St Louis 20, Mo	CO1-0055
Nev	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
NH	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
NJ	G Curtis Engel & Associates	201 S. Broad St, Ridgewood, NJ	GI4-1400
NY	G Curtis Engel & Associates	201 S. Broad St, Ridgewood, NJ	RE2-0001
NC	E C Raymond & Associates	5412 Hilltop Circle, Charlotte, NC	ED3-2827
Ohio	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
Okla	Ammon & Woods	5602 Mockingbird Ln, Dallas, Tex	TA6-4171
Pa	G Curtis Engel & Associates	P.O. Box 4383, Philadelphia 18, Pa	WA2-3270
RI	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
SC	E C Raymond Associates	5412 Hilltop Circle, Charlotte, NC	ED3-2827
Tex	Ammon & Woods	5602 Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1371
Vt	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Va	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Wisc	Dave Hausten Co	607 E. Willow St, Wheaton, Ill	MO8-7313
Wyo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1321
	ACROMARK CO., THE	**323 Morrell St, Elizabeth, NJ**	**EL2-6500**
Ark	Harry Jarrett	P.O. Box 275, Dallas 21, Tex	
Cal	Montague-Harris & Co	893 Folsom St, San Francisco 7, Cal	YU2-4365
Cal	Montague-Harris & Co	5301 Pacific Blvd, Huntington Park, Cal	LU3-2331
Conn	N P Hallenbeck Co	Baker Rd, Vernon, Conn	TR5-4390
Del	C W Thomas	4540 Worth St, Philadelphia 24, Pa	PI4-3100
Ill	Midwest Technical Sales & Service	P.O. Box 61, Downers Grove, Ill	WO8-4343
Ind	Midwest Technical Sales & Service	P.O. Box 61, Downers Grove, Ill	WO8-4343
La	Harry Jarrett	P.O. Box 275, Dallas 21, Tex	
Md	C W Thomas	4540 Worth St, Philadelphia 24, Pa	PI4-3100
Mass	N P Hallenbeck Co	Baker Rd, Vernon, Conn	TR5-4390
Mich	Scott Engineering Sales Co	20026 James Couzens, Detroit 35, Mich	BR3-5353
Minn	Midwest Technical Sales & Service	P.O. Box 61, Downers Grove, Ill	WO8-4343
NJ	C W Thomas	4540 Worth St, Philadelphia 24, Pa	PI4-3100
NY	A D Supply Inc	36 Vick Park A, Rochester 7, NY	GR3-3810
Ohio	Scott Engineering Sales Co	20026 James Couzens, Detroit 35, Mich	BR3-5353
Okla	Harry Jarrett	P.O. Box 275, Dallas 21, Tex	
Pa	C W Thomas	4540 Worth St, Philadelphia 24, Pa	PI4-3100
Tex	Harry Jarrett	P.O. Box 275, Dallas 21, Tex	
Wisc	Midwest Technical Sales & Service	P.O. Box 61, Downers Grove, Ill	WO8-4343
	ACROSCOPE ENGINEERING CO	**1001 E. Manchester Ave, L A 1, Cal**	**LU3-2241**
	ACTIONCRAFT PRODUCTS	**2 Yemicock Ave, Port Washington, NY**	**PO7-4500**
Ala	Emory Design & Equipment Co	Box 9013, Birmingham, Ala	
Conn	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
Fla	Emory Design & Equipment Co	Box 507, Bradenton, Fla	
Ga	Emory Design & Equipment Co	Box 9013, Birmingham, Ala	
Ill	Robert J Kennedy	6713 N. Oliphant, Chicago 31, Ill	
Ind	Robert J Kennedy	6713 N. Oliphant, Chicago 31, Ill	
Iowa	Robert J Kennedy	6713 N. Oliphant, Chicago 31, Ill	
Me	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	
Mass	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	
NH	Cirolia LeBlanc Sales Co	855 Main St, Waltham 54, Mass	TW3-2742
NJ	Markat Co	P.O. Box 7, Bellrose 26, NY	
NY	Markat Co	P.O. Box 7, Bellrose 26, NY	
NC	Emory Design & Equipment	Box 9013, Birmingham, Ala	
RI	Cirolia LeBlanc Sales Co	855 Main St, Waltham 54, Mass	TW3-2742
SC	Emory Design & Equipment	Box 9013, Birmingham, Ala	
Tenn	Emory Design & Equipment	Box 9013, Birmingham, Ala	
Vt	Cirolia LeBlanc Sales Co	855 Main St, Waltham 54, Mass	TW3-2742
Va	Emory Design & Equipment	Box 9013, Birmingham, Ala	
Wisc	Robert J Kennedy	6713 N. Oliphant, Chicago 31, Ill	
	ACTON LABORATORIES INC	**533 Main St, Acton, Mass**	**CO3-7756**
Ala	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Ariz	Acton Laboratories Inc	1225 W. Olympic Blvd, L A 15, Cal	MA3-6185
Cal	Acton Laboratories Inc	1225 W. Olympic Blvd, L A 15, Cal	MA3-6185
Cal	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
Colo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	Instrument Dynamics Inc	75 Willcox Rd, Milford, Conn	TR4-7764
Del	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	CH1-4445
Ga	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	CH1-4445
Idaho	Testco	Boeing Field, Seattle 8, Wash	LA9000
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ill	Lawrance L Hill	1635 Garland, Wichita, Kan	AM7-3850
Ind	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Iowa	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Kan	Lawrence L Hill	1635 Garland, Wichita, Kan	AM7-3850
Ky	Lowry Dietrich	333 W. 1st St, Dayton 2, Ohio	BA3-6042
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Miss	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Mo	Lawrence L Hill	1635 Garland, Wichita, Kan	AM7-3850
Mont	Testco	Boeing Field, Seattle 8, Wash	LA9000
Nev	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NM	Acton Laboratories Inc	1225 W. Olympic Blvd, L A 15, Cal	MA3-6185
NY	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	OX5-0062
NY	D B Associates Inc	3307 Erie Blvd, E., DeWitt 14, NY	GI6-0220
NC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland 13, Ohio	SU1-1855
Ohio	Lowry Dietrich Co	333 W. 1st St, Dayton 2, Ohio	BA3-6042
Okla	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Ore	Testco	Boeing Field, Seattle 8, Wash	LA9000
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2286
Pa	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3130
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Tenn	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Tex	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Utah	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wash	Testco	Boeing Field, Seattle 8, Wash	LA9000
W. Va	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2286
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Wyo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Foreign	AD Aurienta Inc	85 Broad St, New York 4, NY	BO9-7750
Canada	Conway Electronic Enterprises	1514 Eglington Ave, W., Tor, Ont, Can	RU3-6576
	ACTUATOR PRODUCTS DIV OF GEARTRONICS	**34 Nashua St, Woburn, Mass**	**WE3-1400**
Ariz	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Ark	Mid-Continent Supply Co	Mid-Continent Bldg, Forth Worth, Tex	EB2-4484
Cal	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Colo	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Conn	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
Ga	Ranson Wallace & Co	116½ E. Fourth St, Charlotte 2, NC	ED4-4244
Idaho	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
La	R L Wilson Co	6707 Texarkana, Houston 20, Tex	OR2-7426
Me	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
Mass	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
Mont	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Nev	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
NH	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
NM	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
NY	Berea-Vipond	P.O. Box 6, Berea, Ohio	BE4-1919
NC	Ranson, Wallace & Co	116-1/2 E. Fourth St, Charlotte 2, NC	ED4-4244
Ohio	Berea-Vipond Co	P.O. Box 6, Berea, Ohio	BE4-1919
Okla	Mid-Continent Supply Co	Mid-Continent Bldg, Fort Worth, Tex	EB2-4484
Ore	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Pa	Berea-Vipond	P.O. Box 6, Berea, Ohio	BE4-1919
RI	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
SC	Ranson Wallace & Co	116-1/2 E. Fourth St, Charlotte 2, NC	ED4-4244
Tenn	Ranson Wallace & Co	116-1/2 E. Fourth St, Charlotte 2, NC	ED4-4244
Tex	R L Wilson Co	6707 Texarkana, Houston 20, Tex	OR2-7426
Tex	Mid-Continent Supply	Mid-Continent Bldg, Forth Worth, Tex	EB2-4484
Utah	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Vt	Instrument Sales Co	75 Gore St, Cambridge, Mass	TR6-1661
Va	Ranson Wallace & Co	116-1/2 E. Fourth St, Charlotte 2, NC	ED4-4244
Wash	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
Wyo	McDowell Co	1458 N. Allen Ave, Pasadena, Cal	SY8-5269
	ADAGE INC	**292 Main St, Cambridge, Mass**	**UN4-6620**
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0906
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	1864 Bacon St, San Diego, Cal	AC3-7133
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	AT7-9633
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	
Conn	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Del	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	
Fla	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Me	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore, Md	BE5-9126
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NH	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NJ	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7227
NY	D B Associates	3307 Erie Blvd, E., DeWitt 14, NY	GI6-0220
NY	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7227
RI	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Vt	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Sweden	A B H Nordenfelt Co	Boner Gatan 29, Stockholm, Sweden	
Canada	Radionics, Limited	8230 Mayrand St, Montreal, Canada	
England	Lintronic, Limited	47 Charing Cross Rd, London, W C, 2, England	
	ADALET MFG CO	**14300 Lorain Ave, Cleveland 11, Ohio**	**CL1-3412**
Ala	Walter M Hinson	1160 Johnson Ferry, N.E. Atlanta 5, Ga	TR4-0862
Ariz	Payne & Sloan Inc	1101 E. 5 St, Los Angeles 13, Cal	MA4-7317
Ark	W H Mc Adams Co	6115 Denton Dr, Dallas 35, Tex	FL2-1551
Cal	Payne & Sloan Inc	1101 E. 5 St, Los Angeles 13, Cal	MA4-7317
Cal	John H Ormond	600 16 St, Oakland 12, Cal	TW3-3235
Colo	Jim Dawson Co	661 Delaware St, Denver 4, Colo	AL5-7194
Conn	C C Pierce Co., Inc	409 Dorchester Ave, Boston 27, Mass	AN8-8817
Del	L Philip Ertel	32 & Arch Sts, Philadelphia 4, Pa	EV6-0641
Ga	Walter M Hinson	1160 Johnson Ferry, N.E. Atlanta 5, Ga	TR4-0862
Ill	Korak-Chossey Co	15 N. Jefferson St, Chicago 6, Ill	ST2-6681
Ind	Bennett Elec Sales	909 E. 38 St, Indianapolis, Ind	
Ky	Leesman Sales Co., Inc., C J	406 Elm St, Cincinnati 2, Ohio	MA1-8624
Mass	C C Pierce Co., Inc	409 Dorchester Ave, Boston 27, Mass	AN8-8817
Me	C C Pierce Co., Inc	409 Dorchester Ave, Boston 27, Mass	AN8-8817
Mich	Vincent P Adamo	16877 Parkside, Detroit 21, Mich	UN3-4507
Nev	Payne & Sloan Inc	1101 E. 5 St, Los Angeles 13, Cal	MA4-7317
Nev	John H Ormond	600 16 St, Oakland 12, Cal	TW3-3235
NH	C C Pierce Co., Inc	409-411 Dorchester Ave, Boston 27, Mass	AN8-8817
NJ	William D Schofield	277 Broadway, New York 7, NY	WO2-1976
NJ	L Philip Ertel	32 & Arch Sts, Philadelphia 4, Pa	EV6-0641
NM	John Carder Jr Co	1624 1st St, N.W., Albuquerque, NM	CH2-3581
NY	William D Schofield	277 Broadway, New York 7, NY	WO2-1976
NY	Vincent J Brown Co	564 Ellicott Sq, Buffalo 3, NY	CL1122
NY	Vincent J Brown Co	23 Eastern Ave, Syracuse 6, NY	HO3-9161
NC	W W Hasbrouck Co	515-A Dowd Rd, Charlotte 3, NC	FR5-6117
Ohio	Ronald E Grinder	220 Highland Rd, Pittsburgh 35, Pa	CH2-3533
Ohio	Leesman Sales Co., Inc., C J	406 Elm St, Cincinnati 2, Ohio	MA1-8624
Okla	W H Mc Adams Co	6115 Denton Dr, Dallas 35, Tex	FL2-1551
Pa	Ronald E Grinder	220 Highland Rd, Pittsburgh 35, Pa	CH2-3533
Pa	L Philip Ertel	32 & Arch Sts, Philadelphia 4, Pa	EV6-0641
RI	C C Pierce Co., Inc	409-411 Dorchester Ave, Boston 27, Mass	AN8-8817
SC	W W Hasbrouck Co	515-A Dowd Rd, Charlotte 3, NC	FR5-6117
Tenn	Chas B Turbyville	935-1 Woodland Ave, Knoxville, Tenn	5-0588
Tex	W H McAdams Co	6115 Denton Dr, Dallas 35, Tex	FL2-1551
Tex	John Carder Jr Co	1624 1st St, N.W., Albuquerque, NM	CH2-3581
Vt	C C Pierce Co., Inc	409-411 Dorchester Ave, Boston 27, Mass	AN8-8817
W. Va	Ronald E Grinder	220 Highland Rd, Pittsburgh 35, Pa	CH2-3533
Wisc	A W Schwind Co	324 S. Second St, Milwaukee, Wisc	BR3-6260
Wyo	Jim Dawson Co	661 Delaware St, Denver 4, Colo	AL5-7194
	ADAMS-RUSSELL CO., INC	**200 Sixth St, Cambridge 42, Mass**	**UN8-8040**
	ADAMS & WESTLAKE CO., THE	**1025 N. Michigan St, Elkhart, Ind**	**CO4-1141**
Cal	A W Nash Co	2112 S. Atlantic Blvd, Los Angeles 22	AN9-7304
Cal	T R Routh Co	1209 Capuchino Ave, Burlingame, Cal	DI2-4147
Colo	Allen, Whalen & Co	Denver Club Bldg, Denver 2, Colo	AC2-2236
Mass	Leo C Pelkus & Co., Inc	683 Atlantic Ave, Boston 11, Mass	LI2-1944
Mo	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
NY	E W Rowland Associates	90 West St, New York 6, NY	WO4-7188
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse 4, NY	GR8-2141
Pa	W Henry Cordtay Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
Pa	Russell F Clark Co	Clark Bldg, Pittsburgh 22, Pa	AT1-8089-90
Tex	The William E Brice Co	303 Bastrop, Houston 3, Tex	CA2-7321
Wash	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Canada	Lisle Instrument Systems	767 Warden Ave, Scarborough, Ont, Can	PL9-6736
	ADCON DIV WAYNE-GEORGE CORP	**588 Commonwealth Ave, Boston 15, Mass**	**CO7-8425**
	ADDO-X INC	**300 Park Ave, New York 22, NY**	**PL5-5420**
	ADDRESSOGRAPH-MULTIGRAPH CORP ELECTRONICS DIV	**1200 Babbitt Rd, Cleveland 17, Ohio**	**RE1-8000**
Cal	Addressograph-Multigraph Corp	3020 Wilshire Blvd, Los Angeles 5, Cal	DU8-2161
DC	Addressograph-Multigraph Corp	1206 New Hampshire Ave, N.W., Wash 6	FE7-4000
Ill	Addressograph-Multigraph Corp	444 N. Wabash Ave, Chicago 11, Ill	WH4-2025
NY	Addressograph-Multigraph Corp	444 5th Ave, New York 18, NY	LO5-0100
	ADEL PRECISION PRODS DIV GEN METALS CORP	**10777 Vanowen St, Burbank, Cal**	**TR7-2611**
Ala	D E Pflueger	2125 S. Akin Dr, Atlanta, Ga	ME6-7910
Ark	D E Pflueger	2125 S. Akin Dr, Atlanta, Ga	ME6-7910
Colo	H M Crandell	2049 Brentwood Dr, Wichita, Kan	MU2-2595
Conn	D N Harrison	290 Old Country Rd, Mineola, NY	PI2-9175
Del	D N Harrison	290 Old Country Rd, Mineola, NY	PI2-9175
DC	D N Harrison	290 Old Country Rd, Mineola, NY	PI2-9175
Fla	D E Pflueger	2125 S. Akin Dr, Atlanta, Ga	ME6-7910
Ga	D E Pflueger	2125 S. Akin Dr, Atlanta, Ga	ME6-7910

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ill	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Ind	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Iowa	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Kan	H M Crandell, 2049 S. Akin Dr, Wichita, Kan	MU2-2595
Ky	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
La	D E Pflueger, 2125 S Akin Dr, Atlanta, Ga	ME6-7910
Me	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Md	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Mass	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Mich	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Minn	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Miss	D E Pflueger, 2125 S. Akin Dr, Atlanta, Ga	ME6-7910
Mo	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Mo	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Mont	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Neb	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
NH	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
NJ	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
NY	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
NC	D E Pflueger, 2125 S. Akin Dr, Atlanta, Ga	ME6-7910
ND	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Ohio	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Okla	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Ore	W L Zimmerman, 10777 Vanowen St, Burbank, Cal	TR7-2611
Pa	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
RI	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
SC	D E Pflueger, 2125 S. Akin Dr, Atlanta, Ga	ME6-7910
SD	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Tenn	D E Pflueger, 2125 S. Akin Dr, Atlanta, Ga	ME6-7910
Tex	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Utah	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
Vt	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Va	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Wash	W L Zimmerman, 10777 Vanowen St, Burbank, Cal	TR7-2611
W. Va	D N Harrison, 290 Old Country Rd, Mineola, NY	PI2-9175
Wisc	L C Immel, 32 N. Main St, Dayton, Ohio	BA3-8154
Wyo	H M Crandell, 2049 Brentwood Dr, Wichita, Kan	MU2-2595
	ADLER ELECTRONICS INC, 1 Lefevre Ln, New Rochelle, NY	**NE6-1620**
	ADMIRAL CORP, 3900 W. Cortland St, Chicago 47, Ill	**SP2-0100**
Cal	Admiral Corp, Palo Alto, Cal	DA2-4681
DC	Admiral Corp, Albee Bldg, Washington, DC	ST3-9125
	ADMIRAL TOOL & MFG CO, 2354 N. Clybourn, Chicago, Ill	
	ADRAFTERS CO, 325 W. Huron St, Chicago 10, Ill	**SU7-4688**
	ADVANCE INSTRUMENT CORP, 1109 Sixth Ave, Neptune, NJ	**PR4-3700**
	ADVANCE ROSS ELECTRONICS CORP, 2538 Peterson Ave, Chicago 45, Ill	**BR4-6330**
Cal	W S Harmon & Co, 121 Robertson Blvd, Beverly Hills, Cal	OL5-6340
Ill	Proctor Sales Co, 3401 W. Diversey, Chicago 47, Ill	HU9-2700
Ind	Proctor Sales Co, 3401 W. Diversey, Chicago 47, Ill	HU9-2700
NY	R E Breuer & Co., Inc, 10 Columbus Circle, New York 9, NY	CO5-0440
RI	W M Hague Co, P.O. Box 87, Carlisle, Mass	VO2-8717
Vt	W M Hague Co, P.O. Box 87, Carlisle, Mass	VO2-8717
	ADVANCE STAMPING CO, 12025 Dixie, Detroit 39, Mich	**KE7-3500**
Ariz	E J Foley, 3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	E J Foley, 3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Ill	Advance Stamping Co, 6272 W. North Ave, Chicago, Ill	NA2-6334
Ind	Lee & Storrs, Box 115, Terrace Park, Ohio	CH1-1844
Ky	Lee & Storrs, Box 115, Terrace Park, Ohio	CH1-1844
Minn	Advance Stamping Co, 6272 W. North Ave, Chicago, Ill	NA2-6334
Ohio	Lee & Storrs, P.O. Box 115, Terrace Park, Ohio	CH1-1844
Wisc	Advance Stamping Co, 6272 W. North Ave, Chicago, Ill	NA2-6334
	ADVANCED ELECTRONICS CORP, 2 Commercial St, Hicksville, NY	**OY1-6400**
Ala	Specialized Electronics Co, 529 N. 18th St, Birmingham, Ala	SU3-2088
Cal	Ellenje Associates, 345 California Ave, Palo Alto, Cal	DA6-1655
Cal	Landis Associates, 1531 S. Robertson Blvd, Los Angeles	CR4-8185
Conn	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
Del	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
DC	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Fla	Specialized Electronics Co, 711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronics Co, 529 N. 18th St, Birmingham, Ala	FA4-1615
Ill	S C Blaker Co, 2353 N. California Ave, Chicago, Ill	BR8-1220
Ind	S C Blaker Co, 2353 N. California Ave, Chicago, Ill	BR8-1220
Me	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
Md	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Mass	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
Mich	S C Blaker Co, 2353 N. California Ave, Chicago, Ill	BR8-1220
NH	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
NJ	Podeyn & Schmidt, 207 Hackensack St, Woodridge, NJ	GE8-2780
NY	Podeyn & Schmidt, 420 Northern Blvd, Great Neck, NY	HU7-1173
NY	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
NC	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Ohio	Rixan Associates, 33 W. Stratford Ave, Dayton, Ohio	CR7-2734
Pa	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Pa	Rixan Associates, 33 W. Stratford Ave, Dayton, Ohio	CR7-2734
RI	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
SC	Specialized Electronics Co, 529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronics Co, 529 N. 18th St, Birmingham, Ala	FA4-1615
Vt	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
Va	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
W. Va	R B Barnhill & Associates, 19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Wisc	S C Blaker Co, 2353 N. California Ave, Chicago, Ill	BR8-1220
Canada	General Measurement Co, 1108 Beacon St, Newton Highlands, Mass	WO9-9150
	ADVANCED ELECTRONICS INC, 94 Silas Deane Hwy, Rocky Hill, Conn	**JA9-6881**
	ADVANCED PRODUCTS CO, 59 Broadway, North Haven, Conn	**CE9-1664**
Cal	Haskel Seals, 1236 S. Central Ave, Glendale 4, Cal	CH5-6811
	ADVANCED RESEARCH ASSOC INC, P.O. Box 60, Kensington, Md	**WH2-4800**
	ADVANCED TECHNOLOGY LABS, 369 Whisman Rd, Mountain View, Cal	**YO8-4461**
Conn	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
La	Robert R Clarke Co, 3115 Buffalo Dr, Houston 19, Tex	MO5-0969
Me	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
Mass	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
NH	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
RI	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
Tex	Robert R Clarke Co, 3115 Buffalo Dr, Houston 10, Tex	MO5-7695
Vt	J M Devine Co, 63 Prince St, Needham 92, Mass	HI4-2764
	ADVANCED VACUUM PRODS INC SUB INDIANA-GENERAL CORP, 430 Fairfield Ave, Stamford, Conn	**DA4-2148**
	Sales Representatives: See General Ceramics Div	
	AD-YU ELECTRONICS LAB INC, 249-259 Terhune Ave, Passaic, NJ	**GR2-5622**
Ariz	Carl A Stone Associates Inc, 8971 National Blvd, Los Angeles 34, Cal	UP0-7771
Cal	Peninsula Associates, 1345 Hancock St, Redwood City, Cal	EM9-1226
Cal	Carl A Stone Associates Inc, 8971 National Blvd, Los Angeles 34, Cal	UP0-7771
Del	Houser Associates, 188 Water St, Perth Amboy, NJ	HI2-3159
DC	Houser Associates, 734 15th St, N. W., Washington, DC	ME8-0084
Md	Houser Associates, 188 Water St, Perth Amboy, NJ	HI2-3159
Mass	Saunders & Co, 8 Prospect St, Waltham 54, Mass	TW4-6071
Mo	Gordon Fixman Engrg Co, 8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
NJ	Houser Associates, 188 Water St, Perth Amboy, NJ	HI2-3159
Ore	Peninsula Associates, 1345 Hancock St, Redwood City, Cal	EM9-1226
Pa	Houser Associates, 188 Water St, Perth Amboy, NJ	HI2-3159
Tex	Francis Associates, 249 Crestmont Dr, El Paso, Tex	LO5-0567
Va	Houser Associates, 188 Water St, Perth Amboy, NJ	HI2-3159
Wash	Peninsula Associates, 1345 Hancock St, Redwood City, Cal	EM9-1226
	AEMCO INC, 14 State St, Mankato, Minn	**5153**
Ala	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA3-8995
Ariz	Flyco, P.O. Box 464, Scottsdale, Ariz	WH5-2251
Cal	R B Clapp Co., Inc, 5404 Alhambra Ave, Los Angeles 32	CA5-2995
Cal	The Irving Ballard Co., Inc, 407 Sansome St, San Francisco 11, Cal	SU1-1781
Conn	Charles Segel Co, 1262 Commonwealth, Boston, Mass	BE2-4334
DC	J Alan Briggs & Co., Inc, Bucks County, Gardenville, Pa	AX7-3171
Fla	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA3-8995
Ill	Bauman & Blizzat, 2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ill	Edward Winslow, 106 W. Madison Ave, Kirkwood 22, Mo	YO5-5880
Ind	Law Instrument Co, P.O. Box 95, Angola, Ind	217
Iowa	Jerry Vrbik, 419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	Edward A Winslow, 106 W. Madison Ave, Kirkwood 22, Mo	YO5-5880
Ky	Production Services, Box 72, Westwood Br, Cincinnati, Ohio	HU1-4261
Me	Charles Segel Co, 1262 Commonwealth, Boston 34, Mass	BE2-4334
Md	J Alan Briggs & Co., Inc, Bucks County, Gardenville, Pa	AX7-3171
Mass	Charles Segel Co, 1262 Commonwealth Ave, Boston 34	BE2-4334
Mich	G N Deperro Co, 14460 Dexter, Detroit 38, Mich	TO9-1266
Minn	General Appliance Co, 2903 Lyndale Ave, S., Minneapolis 8	TA3-0414
Mo	Edward A Winslow, 106 W. Madison Ave, Kirkwood 22, Mo	TA1-1880
Neb	Jerry Vrbik, 419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
NH	Charles Segel Co, 1262 Commonwealth, Boston 34, Mass	BE2-4334
NJ	J Alan Briggs & Co., Inc, Bucks County, Gardenville, Pa	AX7-3171
NJ	Cooper-Simon & Co, 400 E. 79th St, New York 21, NY	LE5-2900
NY	Cooper-Simon & Co., Inc, 400 E. 79th St, New York 21, NY	LE5-2900
NY	Midstate Research Sales, 327 Wellesley Rd, Syracuse, NY	GR6-8314
NC	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA3-8995
ND	General Appliance Co, 2903 Lyndale Ave, S., Minnpls 8, Minn	TA3-0414
Ohio	Production Services, Box 72, Westwood Branch, Cincinnati 11	HU1-4261
Okla	John A Green Co, 7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Ore	Windekind Co, 222 1st Ave, N., Seattle 9, Wash	EL6981
Pa	J M Aircood Co, 742 Benwin Ave, Pittsburgh 26, Pa	LE1-3539
Pa	J Alan Briggs Co., Inc, Bucks County, Gardenville, Pa	AX7-3171
RI	Charles Segel Co, 1262 Commonwealth, Boston 34, Mass	BE2-4334
SC	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA2-8995
SD	General Appliance Co, 2903 Lyndale Ave, S., Minnpls 8, Minn	TA3-0414
Tenn	Buchanan & Abrams Associates, P.O. Box 6026, Orlando, Fla	GA2-8995
Tex	John A Green Co, 7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Vt	Charles Segel Co, 1262 Commonwealth, Boston 34, Mass	BE2-4334
Va	J Alan Briggs & Co., Inc, Bucks County, Gardenville, Pa	AX7-3171
Wash	M K Windekind Co, 222 1st Ave, N., Seattle 9, Wash	EL6981
W. Va	Production Services, Box 72, Westwood Branch, Cinn 11, Ohio	HU1-4261
Foreign	Frazer & Hansen, 301 Clay St, San Francisco 11, Cal	EX2-5112
	AERO ELECTRONICS CORP, 1745 W. 134 St, Gardena, Cal	**FA1-2196**
Ala	J Neal & Co, 3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Alaska	Ray Johnson Co, 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Cal	C R Dalton Associates, 1037 Laurel St, San Carlos, Cal	LY1-2654
Colo	Texas Avionics Co, 5738 N. Central Expwy, Dallas, Tex	TA6-2354
Conn	Wayne B Palloca Co, 1787 Mass Ave, Lexington, Mass	VO2-7224
Del	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
DC	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
Fla	J Neal & Co, 3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ga	J Neal & Co, 3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Idaho	Ray Johnson Co, 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Ralph Roussey & Associates, 426 Edgewood Pl, Forest River, Ill	FO9-6523
Ind	A E Williams Co, Rural Rt 1, Markle, Ind	SK8-5703
Iowa	Sanford Co, 1727 E. Second, Wichita, Kan	
Kan	Sanford Co, 1727 E. Second, Wichita, Kan	
Ky	A E Williams Co, Rural Rt 1, Markle, Ind	SK8-5703
Me	Wayne B Palloca Co, 1787 Mass Ave, Lexington 73, Mass	VO2-7224
Md	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
Mass	Wayne B Palloca Co, 1787 Mass Ave, Lexington 73, Mass	VO2-7224
Mich	A E Williams Co, Rural Rt 1, Markle, Ind	SK8-5703
Mo	Sanford Co, 1727 E. 2nd, Wichita, Kan	
Mont	Ray Johnson Co, 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Neb	Sanford Co, 1727 E. 2nd, Wichita, Kan	
Nev	C R Dalton Associates, 1037 Laurel St, San Carlos, Cal	LY1-2654
NH	Wayne B Palloca Co, 1787 Mass Ave, Lexington 73, Mass	VO2-7224
NJ	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
NM	Texas Avionics Co, 5738 N. Central Expwy, Dallas, Tex	TA1-2654
NY	William Weiss, 1780 Broadway, New York, NY	CI6-5778
NY	Electro Mechanical Corp, Town Dock Rd, New Rochelle, NY	BE5-3052
Okla	Texas Avionics Co, 5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Ore	Ray Johnson Co, 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
RI	Wayne B Palloca Co, 1787 Mass Ave, Lexington 73, Mass	VO2-7224
Tex	Texas Avionics Co, 5738 N. Central Expwy, Dallas, Tex	TA6-2354
Utah	Sanford Co, 1727 E. 2nd, Wichita, Kan	
Vt	Wayne B Palloca Co, 1787 Mass Ave, Lexington 73, Mass	VO2-7224
Va	George W Moler Co, P.O. Box 240, Haddonfield, NJ	HA8-2440
Wash	Ray Johnson Co, 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	Ralph Roussey & Associates, 426 Edgewood Pl, River Forest, Ill	FO9-6523
Foreign	Minthorne International, 15 Moore St, New York 4, NY	BO9-6272
Canada	Samuel C Hocker Ltd, 2425 Grand Blvd, Montreal, Quebec, Can	HU8-8321
	AERO GEO ASTRO CORP, 1200 Duke St, Alexandria, Va	**TE6-7117**
Fla	Eric C Parsons, Box 11615, St. Petersburg, Fla	70-6771
Ohio	George H Ohmer, P.O. Box 34, Sta D, Dayton 10, Ohio	AX3-3761
	AERO-MARINE DEVELOPMENT CORP, 110 Summit Ave, Cherhen, NJ	**ME5-7000**
Ariz	Kay Sales Co, 708 E. 9th St, Tucson, Ariz	EA5-8725
Cal	John E Striker Co, P.O. Box 548, San Carlos, Cal	LY1-0736
Cal	Flite Electronic Sales Co, 130 S. Hewitt St, Los Angeles 12, Cal	MA4-4401
Colo	Factory Warehouse Sales Co, 1871 S. Broadway, Denver, Colo	SP7-4381
Conn	Eastern Electronic Sales, 15 Chatham Dr, South Norwalk, Conn	MA4-9829
Del	Andco Sales Engineering Co, 5823 Greene St, Philadelphia 44, Pa	VI4-9100
DC	Andco Sales Engineering Co, 5823 Greene St, Philadelphia 44, Pa	VI4-9100
Idaho	Burt Porter Co, 1209 Poplar Pl, Seattle, Wash	
Ill	Claude Booth & Associates, 4000 W. North Ave, Chicago 39, Ill	CA7-2810
Ind	Claude Booth & Associates, 4000 W. North Ave, Chicago 39, Ill	CA7-2810
Iowa	Claude Booth & Associates, 4000 W. North Ave, Chicago 39, Ill	CA7-2810
Kan	Thomson Engineering Service, 8234 Forsythe Blvd, St. Louis 5, Mo	PA7-7705
Me	Eastern Electronic Sales, 145 University Rd, Brookline, Mass	AS7-5675
Md	Andco Sales Engineering Co, 5823 Greene St, Philadelphia 44, Pa	VI4-9100
Mass	Eastern Electronic Sales, 145 University Rd, Brookline, Mass	AS7-5675
Mich	Willard Spenser Co, 20144 Livernois, Detroit 21, Mich	UN3-5189
Minn	Grant Sales Co, 1415 S. 2nd St, Minneapolis, Minn	FE2-6955
Mo	Thomson Engineering Service, 8234 Forsythe Blvd, St. Louis 5, Mo	PA7-7705
Mont	Burt Porter Co, 1209 Poplar Pl, Seattle, Wash	
Nev	John E Striker Co, P.O. Box 548, San Carlos, Cal	LY1-0736
NH	Eastern Electronic Sales, 145 University Rd, Brookline, Mass	AS7-5675
NM	Factory Warehouse Sales Co, 1871 S. Broadway, Denver, Colo	SP7-4381
Ohio	Willard Spenser Co, 20144 Livernois, Detroit 21, Mich	UN3-5189
Okla	Thomson Engineering Service, 8234 Forsythe Blvd, St. Louis 5, Mo	PA7-7705
Ore	Burt Porter Co, 1209 Poplar Pl, Seattle, Wash	
Pa	Andco Sales Engineering Co, 5823 Greene St, Philadelphia 44, Pa	VI4-9100
Pa	Willard Spenser Co, 20144 Livernois, Detroit 21, Mich	UN3-5189
RI	Eastern Electronic Sales, 15 Chatham Dr, South Norwalk, Conn	MA4-9829
Tex	Thomson Engineering Co, 2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Utah	Factory Warehouse Sales Co, 1871 S. Broadway, Denver, Colo	SP7-4381
Vt	Eastern Electronic Sales, 145 University Rd, Brookline, Mass	AS7-5675
Va	Andco Sales Engineering Co, 5823 Greene St, Philadelphia 44, Pa	VI4-9100
Wash	Burt Porter Co, 1209 Poplar Pl, Seattle, Wash	
W. Va	Willard Spenser Co, 20144 Livernois, Detroit 21, Mich	UN3-5189
Wisc	Claude Booth & Associates, 4000 W. North Ave, Chicago 39, Ill	CA7-2810
Wyo	Factory Warehouse Sales Co, 1871 S. Broadway, Denver, Colo	SP7-4381
Canada	Willard Spenser Co, 20144 Livernois, Detroit 21, Mich	UN3-5189
	AERO MECHANISMS INC, 13918 Saticoy St, Van Nuys, Cal	**TR3-3471**
Cal	Westron Sales & Engineering, 7407 Melrose Ave, Los Angeles, Cal	WE3-7276
Wash	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
	AERO RESEARCH INSTRUMENT CO., INC, 315 N. Aberdeen St, Chicago 7, Ill	**TA9-6400**
Ala	Col-Ins-Co., Inc, 5728 Precision Dr, Orlando, Fla	CH1-1501
Ariz	Brooks-Feeger & Associates, 478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Cal	Cerruti & Associates, P.O. Box 509, Redwood City, Cal	EM9-3354
Cal	R J Hudson & Co, 5246 Van Nuys Blvd, Van Nuys, Cal	ST8-7188
Colo	Brooks-Feeger & Associates, 3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	Test Equipment Sales Co, 29-46 Northern Blvd, L I City, NY	ST4-7120
Del	Test Equipment Sales Co, 4447 N. Bodine St, Philadelphia, Pa	DA9-1822
DC	Test Equipment Sales Co, 4447 N. Bodine St, Philadelphia, Pa	DA9-1822
Fla	Col-Ins-Co., Inc, 5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-Ins-Co., Inc, 5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-Ins-Co., Inc, 2354 Ewing Dr, Atlanta, Ga	ME6-6177
Idaho	Burt C Porter Co, 1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Pinder Instrument Co, 5305 Hohman Ave, Hammond, Ind	BA1-5592
Ill	Maise Equipment Co, 10635 Clayton Rd, St. Louis, Mo	HE2-2982
Ind	Pinder Instrument Co, 5305 Hohman Ave, Hammond, Ind	BA1-5592
Kan	Lawrence L Hill, P.O. Box 1312, Wichita, Kan	AM7-3850
Ky	Process Instruments & Equipment Co, 1904 E. Washington St, Charleston, W.Va	DI2-2151
Ky	Maise Equipment Co, 10635 Clayton Rd, St. Louis, Mo	HE2-2982
La	J K Moore, 3113 Leland Ave, Houston, Tex	CA5-6059
Md	Test Equipment Sales Co, 4447 N. Bodine St, Philadelphia, Pa	DA9-1822
Mass	Timross Co, 259 Walnut St, Newtonville, Mass	BI4-7586
Mich	Michigan Engineering Sales Co, 18954 James Couzens Hwy, Detroit, Mich	DI 1-8429
Miss	Col-Ins-Co., Inc, 5728 Precision Dr, Orlando, Fla	CH1-1501
Mo	Maise Equipment Co, 10635 Clayton Rd, St. Louis, Mo	HE2-2982
Mont	Burt C Porter Co, 1209 Poplar Pl, Seattle, Wash	EA3-8330
Nev	Brooks-Feeger & Associates, 478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Nev	Cerruti & Associates, P.O. Box 509, Redwood City, Cal	EM9-3354
NJ	Test Equipment Sales Co, 29-46 Northern Blvd, L I City, NY	ST4-7120
NJ	Test Equipment Sales Co, 4447 N. Bodine St, Philadelphia, Pa	DA9-1822
NM	Brooks-Feeger & Associates, 1122-C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	Carse Electric Corp, 47 Devonshire Ct, Rochester, NY	IG6-8503
NY	Carse Electric Corp, 1044 Broadway, Albany, NY	HO2-5364
NY	Test Equipment Sales Co, 29-46 Northern Blvd, L I City, NY	ST4-7120
NC	Col-Ins-Co., Inc, 2354 Ewing Dr, Atlanta, Ga	ME6-6177
Ohio	Kilroy-Whelan Corp, 10 N. Main St, Chagrin Falls, Ohio	CH7-4032
Ohio	Kilroy-Whelan Corp, 2801 Far Hills Ave, Dayton, Ohio	AX3-2003
Ohio	Michigan Engineering Sales Co, 18954 James Couzens Hwy, Detroit, Mich	DI1-8429
Okla	James E Dyer Co, P.O. Box 1226, Tulsa, Okla	LU4-1076
Ore	Burt C Porter Co, 1209 Poplar Pl, Seattle, Wash	EA3-8330
Pa	Test Equipment Sales Co, 4447 N. Bodine St, Philadelphia, Pa	DA9-1822
Pa	Kilroy-Whelan Corp, 10 N. Main St, Chagrin Falls, Ohio	CH7-4032
SC	Col-Ins-Co., Inc, 2354 Ewing Dr, Atlanta, Ga	ME6-6177
Tenn	Col-Ins-Co., Inc, 5728 Precision Dr, Orlando, Fla	CH1-1501
Tenn	Col-Ins-Co., Inc, 2354 Ewing Dr, Atlanta, Ga	ME6-6177
Tex	J K Moore, 3113 Leland Ave, Houston, Tex	CA5-6059
Tex	James E Dyer Co, P.O. Box 1226, Tulsa, Okla	LU4-1076
Tex	Brooks-Feeger & Associates, 1122-C San Mateo, S.E., Albuquerque, NM	AM8-1724
Utah	Brooks-Feeger & Associates, 3041 S. Broadway, Englewood, Colo	SU1-7375
Wash	Burt C Porter Co, 1209 Poplar Pl, Seattle, Wash	EA3-8330
W. Va	Process Instruments & Equipment Co, 1904 E. Washington St, Charleston, W.Va	DI2-2151
Wyo	Brooks-Feeger & Associates, 3041 S. Broadway, Englewood, Colo	SU1-7375

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Foreign	Okazaki Trading Co Ltd	P.O. Box 620, Tokyo, Japan	
Foreign	Autronic (PTY) Ltd	P.O. Box 59, Edenvale, TVl, South Africa	
Canada	Winnett Boyd Ltd	745 Mt. Pleasant Rd, Toronto, Ont, Can	HU1-3722
	AERO SERVICE CORP	**210 E. Courtland St, Philadelphia 20, Pa**	**GL7-3000**
Canada	Canadian Aero Service Ltd	348 Queen St, Ottawa 4, Ontario, Canada	
	AEROCOIL INC	**2207 Summit Ave, Union City, NJ**	**UN3-2955**
	THE AEROFLEX CORP AEROFLEX LABORATORIES DIV	**34-06 Skillman Ave, Long Island City, NY**	**ST4-7000**
Mo	J W Breshahan	8618 Brookshire Ln, University City	WY1-1539
Wash	D C Surles	1010 Cedar Ln, Falls Church, Va	JE3-8555
	AEROLAB DEVELOPMENT CO	**330 W. Holly St, Pasadena, Cal**	**SY5-8771**
Cal	Aerol Associates	1177 University Dr, Menlo Park, Cal	DA1-1014
Colo	Aerol Associates	Denver Club Bldg, Denver, Colo	TA5-2046
Conn	Aerol Associates	820 Park Ave, Bloomfield, Conn	CH2-5586
Fla	Aerol Associates	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates	361 E. Paces Ferry Rd, N.E., Atlanta 5	CE3-1330
Kan	Aerol Associates	Munzel-Keach Bldg, Mission, Kan	HE2-8212
Md	Aerol Associates	6803 York Rd, Baltimore 12, Md	DR7-8110
Mass	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Mo	Aerol Associates	P.O. Box 6217, Lambert Arpt, St. Louis	PE1-6853
NJ	Aerol Associates	1180 Raymond Blvd, Newark, NJ	MA3-0336
NY	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650
Ohio	Aerol Associates	7719 Reading Rd, Cincinnati 37, Ohio	VA1-4898
Tex	Aerol Associates	314 N. East St, Arlington, Tex	CR5-2400
Wash	Aerol Associates	500 Wall St, Seattle, Wash	MA3-0443
	AEROLITE ELECTRONICS CORP	**2207 Summit Ave, Union City, NJ**	**UN3-2955**
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	ST8-1013
Ind	A E Williams Co	Rural Rt 1, Markle, Ind	
Mass	Howard Jappe Co	37 Hillcrest Rd, Wakefield, Mass	
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	
Pa	Vic Sears	Holicong, Pa	
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas, Tex	
Canada	Electrolabs	7385 St. Lawrence Blvd, Montreal, Quebec, Canada	
	AEROLOY CO	**26 W. 1st St, Clifton, NJ**	
	AEROLUX LIGHTS CORP	**653 Eleventh Ave, New York 36, NY**	**CI6-5324**
	AERMOTIVE EQUIPMENT CORP	**1632-B Central St, Kansas City 10, Mo**	
	AERMOTOR CO	**2902 Roosevelt Rd, Chicago, Ill**	**SE3-7000**
Ga	J M Hobby Jr	705 Sixth St, N., Cordele, Ga	1084
Iowa	S Anderson	330 Des Moines St, Des Moines, Iowa	CH4-3016
Minn	R Stenberg	700 N. Winnetka, Minneapolis, Minn	LI5-4882
Mo	W Woolsey	1407 W. 9th St, Kansas City, Mo	VI2-6281
Neb	M Isvik	8th & Howard Sts, Omaha, Neb	AT1716
Pa	G Wilson	2700 Paxton St, Harrisburg, Pa	CE6-0997
	AERONAUTICAL COMMUN EQUIP INC	**3090 S.W. 37 Ave, Miami 33, Fla**	**HI8-6503**
	AERONAUTICAL ELECTRIC CO	**5656 Northwest Hwy, Chicago 46, Ill**	**SP4-5200**
Cal	Jerry Gartner Sales Co	P.O. Box 286, North Hollywood, Cal	DU7-7175
Ind	Wm A Meily Co	4017 S. Harrison Blvd, Ft. Wayne, Ind	KE2461
Mich	Wm A Meily Co	4017 S. Harrison Blvd, Ft. Wayne, Ind	KE2461
NJ	R E Breuer Co., Inc	10 Columbus Circle, New York 19, NY	CO5-0440
NY	R E Breuer Co., Inc	10 Columbus Circle, New York 19, NY	CO5-0440
Ohio	Wm A Meily Co	4017 S. Harrison Blvd, Ft. Wayne, Ind	KE2461
Canada	A Deskin Sales Co	1091-14th St. St. Martin, Montreal, Canada	
	AERONAUTICAL ELECTRONICS INC	**P.O. Box 6527, Raleigh, NC**	**TE4-7381**
	AEROPROJECTS INC	**310 E. Reedale Ave, West Chester, Pa**	
	AEROQUIP CORP	**300 S. East Ave, Jackson, Mich**	**ST2-0361**
Cal	Marman Div	11214 Exposition Blvd, L A 64, Cal	
Cal	Aeroquip Corp	3015 Winona Ave, Burbank, Cal	
Cal	General Logistics Div	2929 Floyd St, Burbank, Cal	
Mich	Elbeco Div	Jackson, Mich	
Ohio	Aeroquip Corp	122 Main St, Van Wert, Ohio	
Tex	Aeroquip Corp	9105 Sovereign, Dallas 7, Tex	
Canada	Aeroquip (Canada) Ltd	287 Bridgeland Ave, Toronto 19, Ont, Canada	
	AEROTEST LABS INC	**Comac Rd, Deer Park, NY**	**DE2-7201**
Cal	Harry Gee Associates	53-33 S. Sepulveda Blvd, Culver City,	EX1-5515
Conn	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
DC	Kinder Associates	1008 20th St, N.W. Washington 6, DC	FE7-5882
Fla	Ludlum Associates	P.O. Box 48-1337, Miami 48, Fla	TU5-3611
Me	B-Gray Inc	51 E. 42nd St, New York, 17, NY	OX7-1396
Md	Kinder Associates	1008 20th St, N.W. Washington, DC	FE7-5882
Mass	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NH	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NJ	A Scheiner	160 Terrace Ave, Hasbrouck Hgts, NJ	AT8-2840
Ohio	Scarp Engineering Sales Co	Box 2063, Kettering Br, Dayton 29, Ohio	TU5-2661
Tex	Kencar Co	P.O. Box 6784, Fort Worth, Tex	WA3-4476
Vt	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Va	Kinder Associates	1008 20th St, N.W. Washington 6, DC	FE7-5882
	AEROTRONIC ASSOCIATES	**P.O. Box 367, Contoocook, NH**	**PI6-3141**
	AEROVOX CORP	**740 Belleville, New Bedford, Mass**	**WY4-9661**
Ala	Stanley K Wallace Assoc	P.O. Box 67, Lutz, Fla	WE9-3241
Ariz	Robert E McClendon	915 Yale Blvd, S.E., Albuquerque, NM	5-9710
Ark	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Cal	Dewco Sales	6919 San Fernando Rd, Glendale 1,	
Cal	Meyer & Ross	113 10th St, San Francisco,	HE1-0652
Colo	Franklin Sales Co	1219 California St, Denver 4, Colo	AM6-1552
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
DC	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
Fla	Stanley K Wallace Assoc	Box 67, Lutz, Fla	WE9-3240
Ga	Stanley K Wallace Assoc	Box 67, Lutz, Fla	WE9-3240
Ill	Jules Beneke	576 Arcade Bldg, St. Louis 1, Mo	CE1-1677
Ill	William Burgoyne	7001 N. Clark St, Chicago 26, Ill	HO5-2112
Ill	Ellinger Sales	6540 N.W. Hwy, Chicago 31, Ill	RO3-1570
Ill	LeRoy Eschner	20 N. Wacker Dr, Chicago, Ill	CE6-1533
Ind	William Burgoyne	7001 N. Clark St, Chicago 26, Ill	HO5-2112
Iowa	Ellinger Sales Corp	6540 N.W. Hwy, Chicago 31, Ill	RO3-1570
Ky	Frank J Campisano	5446 Greenacres Ct, Cincinnati 11, Ohio	HU1-2652
La	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	Carrier & Gable	155 W. Congress St, Detroit 26, Mich	WO1-1786
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Miss	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Mo	Jules Beneke	576 Arcade Bldg, St. Louis 1, Mo	CE1-1677
Neb	Ellinger Sales Corp	6540 N.W. Hwy, Chicago 31, Ill	RO3-1570
NH	Gerber Sales Corp	48 Pearl St, Brookline, Mass	BE2-2425
NJ	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
NM	Robert McClendon	915 Yale Blvd, S.E., Albuquerque, NM	5-9710
NM	Robert McClendon	137 Walnut Hill Village, Dallas 20, Tex	
NY	Sydney Baum	70-15 Fleet St, Forest Hills 75, NY	BL3-8101
NY	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	FA65-8405
NC	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	Frank J Campisano	5446 Green Acres Ct, Cincinnati, Ohio	HU1-2652
Ohio	Charles P Dolfuss	2108 Payne Ave, Cleveland 14, Ohio	PR1-1270
Ohio	Kurt W Schmidt & Associates	P.O. Box 572, Centerville, Ohio	TU5-2936
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
Pa	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
Pa	Paul E Goley	732 Federal St, Camden 3, NJ	EM5-4857
Pa	Gene Roof	733 Valle Vista Ave, Pittsburgh 34, Pa	
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
Tex	R E McClendon	132 Walnut Hill, Dallas, Tex	
Utah	Franklin Sales Co	1219 California St, Denver 4, Colo	
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	J A Simberkoff	68 Hudson St, Hoboken, NJ	HO2-5211
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
W. Va	Gene Roof	733 Valle Vista Ave, Pittsburgh, Pa	
Wisc	Ellinger Sales Corp	6540 N.W. Hwy, Chicago 31, Ill	
Wyo	Franklin Sales	1219 California St, Denver 4, Colo	AM6-1552
Foreign	A D Auriema Inc	85 Broad St, New York, NY	BO9-7751
	AETNA ELECTRONICS CORP	**Readington Rd, North Branch, N J**	**RA5-1900**
Cal	Paul Nurches Co	3250 Rida St, Pasadena, Cal	SY6-5844
NJ	QED Electronic Sales	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	QED Electronic Sales	9 Elm Ave, Mt. Vernon, NY	MO8-3100
	AGASTAT TIMING INSTRUMENTS ELASTIC STOP NUT CORP OF AMERICA	**1027 Newark Ave, Elizabeth 3, NJ**	**EL2-2900**
Ala	R L Atwell	306 St. Davids Ln, Richmond 21, Va	EL3-5145
Cal	R B Clapp Co	5404 Alhambra Ave, Los Angeles 32, Cal	CA5-2395
Cal	McCarthy-Hood & Associates	1485 Bayshore Blvd, San Francisco, Cal	JU6-1860
Colo	Mountain States Machinery Co	1526 Blake St, Denver, Colo	CH4-7421
Conn	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
DC	Irving M Day Co	723 Mills Bldg, Washington 6, DC	ST3-2982
Fla	A K Whitaker	1315 21st St, W. Bradenton, Fla	BR6-2905
Ga	R L Atwell	306 St. Davids Ln, Richmond, Va	EL3-5145
Ill	Newman-Krause Co	5451 W. Lawrence Ave, Chicago, Ill	PE6-6777
Ind	Law Instrument Co	P.O. Box 95, Angola, Ind	217
Kan	Charles D Jones Co	3023 Main St, Kansas City 8, Mo	LO3763
La	Walter E Bornemann	4719 Carter Ave, New Orleans 22, La	FA2504
Me	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
Md	C N McDavitt	Box 8, Pilgrim Gardens Sta, Drexel Hill, Pa	KI4-2588
Mass	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
Mich	Buryl R Hill Co	15425 Schaefer Hwy, Detroit 27, Mich	VE8-3460
Minn	Electrical Jobbers Equipment Co	619 4th Ave, S., Minnpls 15, Minn	FE6-6321
Mo	Baker Control & Engineering Co	4330 W. Papin St, St. Louis 10, Mo	JE4948
NH	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	J F Wulfetange Jr	4505 E. Genessee St, DeWitt 14, NY	GI6-3330
Ohio	Jay Engineering Co	5413 Pearl Rd, Cleveland 29, Ohio	TU4-4080
Ohio	Jay Engineering Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Okla	Harold Furtney Co	P.O. Box 7081, Brookside Sta, Tulsa 5,	RI7-6490
Ore	Andrew L Polvich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
Pa	Foster-McClinton Inc	345 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LE1-7113
Pa	C N McDavitt	Box 8, Pilgrim Gardens Sta, Drexel Hill, Pa	KI4-2588
Tex	Industrial Equipment Co	6831 Navigation Blvd, Houston 11, Tex	WA8-5431
Utah	Pace-Turpin Co	726 S. 3rd W., Salt Lake City, Utah	DA2-5595
Va	R L Atwell	306 St. Davids Ln, Richmond 21, Va	EL3-5145
Wash	Seatronics Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
W. Va	G H Zimmerman & Co	P.O. Box 1306, Charleston 25, W. Va	WV2-2212
Wyo	Mt States Machinery Co	1526 Blake St, Denver, Colo	CH4-7421
	AINSLIE CORP	**531 Pond St, S. Braintree 85, Mass**	**VI8-0850**
	AIR CONTROL INSTALLATIONS LTD	**Ruislip, Middx, England**	
	AIR SHIELDS INC	**Harboro, Pa**	**OS5-5200**
Conn	Drew Associates Inc	P.O. Box 432, Milford, Conn	
Del	Albert K de Sherbinin	824 Mt. Pleasant Rd, Bryn Mawr, Pa	LA5-0121
DC	Albert K De Sherbinin	824 Mt. Pleasant Rd, Bryn Mawr, Pa	LA5-0121
Ill	John G Twist Co	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Ill	McDowell-Redlingshafer	1103 Armour St, Kansas City 8, Mo	WE1-5622
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	McDowell-Redlingshafer	1103 Armour St, Kansas City 6, Mo	WE1-5622
Kan	McDowell-Redlingshafer	1103 Armour St, Kansas City 6, Mo	WE1-5622
Ky	Robert O Whitesell & Associates	P.O. Box 2717, Cincinnati 37, Ohio	
Me	Drew Associates Inc	56 The Great Rd, Bedford, Mass	CR4-7232
Md	Albert De Sherbinin	824 Mt. Pleasant Rd, Bryn Mawr, Pa	LA5-0221
Mass	Drew Associates Inc	56 The Great Rd, Bedford, Mass	CR4-7232
Minn	Grant Sales Co	1415 S. 2nd St, Minneapolis 4, Minn	FE2-6955
Mo	Mc Dowell-Redlingshafer	1103 Armour St, Kansas City, Mo	WE1-5622
Neb	McDowell Redlingshafer	1103 Armour St, Kansas City, Mo	WE1-5622
NH	Drew Associates Inc	56 The Great Rd, Bedford, Mass	CR4-7232
NJ	Joseph Sprung Associates	254 W. 31st St, New York, NY	LO5-1820
NJ	Albert K De Sherbinin	824 Mt. Pleasant Rd, Bryn Mawr, Pa	LA5-0121
NY	Joseph Sprung Associates	254 W. 31st St, New York, NY	LO5-1820
Ohio	Robert O Whitesell & Associates	6620 E. Washington St, Indnpls 19, Ind	FL9-5374
Pa	Robert O Whitesell & Associates	P.O. Box 5, Westlake, Ohio	
RI	Drew Associates Inc	56 The Great Rd, Bedford, Mass	CR4-7232
Vt	Drew Associates Inc	56 The Great Rd, Bedford, Mass	CR4-7232
W. Va	Robert O Whitesell & Associates	6620 W. Washington St, Indnpls 19, Ind	FL9-5374
Wisc	Grant Sales Co	1415 S. 2nd St, Minnpls 4, Minn	FE2-6955
	AIRBORNE ACCESSORIES CORP	**1414 Chestnut Ave, Hillside, NJ**	**MU8-0250**
Ariz	Western Engineering Co	8905 N. 17th St, Phoenix, Ariz	
Cal	Airborne Accessories Corp	8402 1/2 Lincoln Blvd, Los Angeles 45,	SP6-1770
Cal	Cashin-Tipton & Associates	3270 Rosecrans St, San Diego 10, Cal	AC2-0408
Colo	Western Engineering Co	305 Enterprise Bldg, Denver 2, Colo	AM6-2714
Ga	Aeromart	3230 Peachtree Rd, N.E, Atlanta 5, Ga	CE3-5519
Tex	Mid-Western District Sales Office	2720 W. Mockingbird Ln, Dallas 35, Tex	FL2-9237
Wash	Hall Engineering Co	1430-130th St, N.E. Bellevue, Wash	GL4-9511
Foreign	Trading Co Avio-Diepen N J	Ypenburg Airport, The Hague, Holland	183200
Canada	Winnett Boyd Ltd	745 Mt. Pleasant Rd, Tor 7, Ont, Can	HU1-3722
	AIR-O-TRONICS ENGINEERING CO	**P. O. Box 31, Lancaster, Cal**	**WH3-4654**
Cal	W S Harmon Co	121 N. Roberston Blvd, Beverly Hills	OL5-6340
Cal	R Del Bocchia & Associates	179 S. Mayfair Ave, Daly City, Cal	PL6-8414
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Ill	Dwight Smith Associates	9 S. River St, Aurora, Ill	TW7-5752
NJ	Aero Sales Co	P.O. Box 53, Caldwell, NJ	CA6-2642
Ohio	Roger E Schlemner	8442 Curzon Ave, Cincinnati, Ohio	PO1-2916
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	
	AIRBORNE INSTRUMENTS LAB DIV CUTLER-HAMMER INC	**Comac Rd, Deer Park, NY**	**NY2-5100**
	AIRCON INC	**48 Cummington St, Boston, Mass**	**CO7-9115**
Cal	Electrosources	201 Town & Country Vlg, Palo Alto, Cal	DA1-0776
Colo	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-6881
Del	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
DC	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
Idaho	Paratech Agencies	9210 28th N. W., Seattle, Wash	SU4-6447
Ill	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Iowa	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Kan	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Md	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
Mo	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Mont	Paratech Agencies	9210 28th N. W., Seattle, Wash	SU4-6447
Neb	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Nev	Electrosources Inc	201 Town & Country Vlg, Palo Alto, Cal	DA1-0776
NJ	Herbert Shprentz Co	P.O. Box 147, Scarsdale, NY	SC5-0485
NJ	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
NY	John B Lightstone Co	515 Comstock Ave, Syracuse, NY	GR4-1833
NY	Herbert Shprentz Co	P.O. Box 147, Scarsdale, NY	SC5-0485
NC	Mount & Co	National Press Bldg, Wash, DC	ME8-0221
Ore	Paratech Agencies	9210 28th N.W., Seattle, Wash	SU4-6447
Pa	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
Utah	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-5881
Va	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
Wash	Paratech Agencies	9210 28th N. W., Seattle, Wash	SU4-6447
W. Va	Mount & Co	National Press Bldg, Wash 4, DC	ME8-0221
Wyo	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-6881
	AIRCRAFT ARMAMENTS INC	**Cockeysville, Md**	**NO6-1400**
	AIRCRAFT INSTRUMENTS CO	**King of Prussia Rd at Montgomery Ave, Radnor, Pa**	**MU8-0151**
Cal	Bob Lacey & Associates	123 Center St, El Segundo, Cal	EA2-4626
Conn	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
Del	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
DC	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
NJ	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
NY	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
Ohio	Fred L Ohmer & Associates	P.O. Box 2013, Kettering Br, Dayton 29, Ohio	AX3-4530
Pa	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
Tex	Max Daggett Jr	P.O. Box 30152, Dallas 30, Tex	
Va	Emlen-Peterson Co	P.O. Box 12, Radnor, Pa	MU8-0151
	AIRCRAFT RADIO CORP	**Boonton, NJ**	**DE4-1800**
	AIRDESIGN CORP	**P. O. Box 987, Norristown, Pa**	**BR9-4100**
Conn	Arthur E Akeroyd Co	J Hancock Bldg, Boston 16, Mass	HA6-2433
Ind	Hunker & Dixon	433 Merchants Bank Bldg, Indpls, Ind	ME6-6518
Ky	Hunker & Dixon	433 Merchants Bank Bldg, Indpls, Ind	ME6-6518
Mass	Arthur E Akeroyd Co	Hancock Bldg, Boston 16, Mass	
Mich	Hunker & Dixon	433 Merchants Bank Bldg, Indpls, Ind	ME6-6518
NH	Arthur E Akeroyd Co	Hancock Bldg, Boston 16, Mass	HA6-2433
NY	Robert P Aldrich	475 Capen Blvd, Buffalo 26, NY	PA6000
Ohio	James H Gehring	4080 N. Sagamore, Fairview Park 21,	ED3-2130
RI	Arthur E Akeroyd Co	Hancock Bldg, Boston 16, Mass	
Tenn	Hunker & Dixon	433 Merchants Bank Bldg, Indpls, Ind	ME6-6518
	AIRECO INC	**2323 2nd Ave, Schenectady 3, NY**	**EL5-6545**
	AIRESEARCH MFG CO OF ARIZ	**402 S. 36 St, Phoenix, Ariz**	**BR3-5771**
	AIRFLOW CO	**400 S. Stonestreet Ave, Rockville, Md**	**GA4-6166**
Alaska	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Ariz	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Cal	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Cal	Premmco Inc of Northern Cal	2406 Lincoln Ave, Alameda, Cal	LA3-9495
Colo	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Hawaii	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Idaho	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Mont	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Nev	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
NM	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Ore	Premmco Inc of Northern Cal	2406 Lincoln Ave, Alameda, Cal	LA3-9495
Utah	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Wash	Premmco Inc of Northern Cal	2406 Lincoln Ave, Alameda, Cal	LA3-9495
Wyo	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
	AIRFLYTE ELECTRONICS CO	**535-9 Avenue A, Bayonne, N J**	**HE6-2230**
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, Los Angeles Cal	
Mich	Jim Morrow Sales Co	13149 Hamilton Ave, Highland Park, Mich	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	AIR-MARINE MOTORS INC. 369 Bayview Ave, Amityville, NY	AM4-3700
Ala	V Avis McCorvey Co 403 Cherry St, Gadsden, Ala	LI6-0106
Ariz	R S Nelson 1828 E. Cambridge St, Phoenix, Ariz	AM5-0514
Cal	Air-Marine Motors Inc 2221 Barry Ave, Los Angeles, Cal	BR2-6489
Conn	Cirolha LeBlanc Sales Co P.O. Box 6016, Hamden, Conn	AT8-2200
Fla	V Avis McCorvey Co 708 San Juan Blvd, Orlando, Fla	CR7-1866
Ga	V Avis McCorvey Co 215 Church St, Decatur, Ga	DR7-6167
Ill	R C Whitmore & Associates 520 N. Michigan Ave, Chicago 11, Ill	JE1-0553
Kan	Halgin Sales Co 5920 Nall Rm 311, Mission, Kan	RA2-2441
Mass	Cirolha LeBlanc Sales Co 865 Main St, Waltham, Mass	TW3-2742
Minn	Anderson & Associates 3825 York Ave, N., Minneapolis, Minn	JU8-2523
Mo	Halgin Sales Co 721 Olive St, St. Louis 1, Mo	CH1-6919
NJ	Wally Shulan & Co 880 Bergen Ave, Jersey City, NJ	WO2-0365
NY	Martin P Andrews Inc 319 Mott Rd, Fayetteville, NY	NF7-6405
NY	Martin P Andrews Inc P.O. Box 336, Middletown, NY	DI2-0109
NY	Martin P Andrews Inc P.O. Box 2, Pittsford, NY	LU6-6159
Ohio	G & H Sales Co Center Roseland Bldg, Cincinnati, Ohio	JE1-0553
Tex	Campion Sales Co 9002 Chancellor Row, Dallas, Tex	FL7-4095
Tex	Campion Sales Co 159 Ridge Dr, San Antonio, Tex	PE5-2547
Wash	Fred H Haight Co 3212 E. Lake Ave, Seattle, Wash	EA1818
Canada	Aircraft Appliances & Equip Ltd 585 Dixon Rd, Ontario, Canada	CH4-5506
	AIRMEC LTD High Wycombe, Buckinghamshire, England	2581
NY	Electronic & Television Consultants Box 47, Highbridge Sta, New York, NY	
	AIRPAX ELECTRONICS INC., CAMBRIDGE DIV Cambridge, Md	AC8-4600
	AIRPAX ELECTRONICS INC SEMINOLE DIV Ft. Lauderdale, Fla	LU3-6160
Ala	James Highsmith & Co 3733 Monroe Rd, Charlotte, NC	FR7-2546
Ariz	Carter Associates Box 94, Scottsdale, Ariz	WH5-3611
Cal	Airpax Electronics Inc 2550 E. Foothill Blvd, Pasadena, Cal	SY5-8377
Cal	Robert L Pflieger Co 1652 Laurel St, San Carlos, Cal	LY1-0396
Colo	Vinson Associates 3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	Drew Associates Inc. Box 467, Bedford, Mass	CR4-7232
Del	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
DC	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
Ga	James Highsmith & Co 3733 Monroe Rd, Charlotte, NC	FR7-2546
Ill	Ringland M Krueger Co 5306 W. Lawrence Ave, Chicago 30, Ill	PE6-8107
Ind	Tant Enterprises 16254 Meyers Rd, Detroit, Mich	UN3-2665
Iowa	George E Harris & Co., Inc 526 Merchants Natl Bank, Cedar Rapids	EM2-6302
Kan	George E Harris & Co., Inc 3241 E. Douglas Ave, Wichita 8, Kan	MU3-6226
Kan	George E Harris & Co., Inc 3527 Broadway, Kansas City, Mo	WE1-4884
Me	Drew Associates Box 467, Bedford, Mass	CR4-7232
Md	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
Mass	Drew Associates Inc. Box 467, Bedford, Mass	CR4-7232
Mich	Tant Enterprises 16254 Meyers Rd, Detroit, Mich	UN3-2665
Minn	Fred Peterson Co 2431 Hennepin Ave, Minneapolis, Minn	FR7-3022
Mo	George E Harris & Co., Inc 3241 E. Douglas Ave, Wichita 8, Kan	MU3-6226
Mo	George E Harris & Co., Inc 7811 Carondelet St, St. Louis, Mo	VO3-6550
Neb	George E Harris & Co., Inc 3241 E. Douglas Ave, Wichita 8, Kan	MU3-6226
Nev	Robert L Pflieger Co 1652 Laurel St, San Carlos, Cal	LY1-0396
NH	Drew Associates Inc. Box 467, Bedford, Mass	CR4-7232
NJ	John DiBlasi Associates Inc. 90 Main St, Port Washington, NY	PO7-0470
NJ	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
NM	Carter Associates Box 94, Scottsdale, Ariz	WH5-3611
NY	Reed-Tollefson Corp 2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	Reed-Tollefson Corp 926-927 Neal Rd, Endicott, NY	EN6-8132
NY	John DiBlasi Associates Inc. 90 Main St, Port Washington, NY	PO7-0470
NC	James Highsmith & Co 3733 Monroe Rd, Charlotte, NC	FR7-2546
Ohio	Technical Associates Inc 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Ohio	Technical Associates Inc 5643 Mapleridge Ln, Cincinnati, Ohio	RE1-6200
Okla	George E Harris & Co., Inc 204 E. Main St, Arlington, Tex	CR4-0761
Ore	George E Harris & Co., Inc 444 Dexter Horton Bldg, Seattle, Wash	MA4-1673
Pa	Technical Associates Inc 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Pa	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
RI	Drew Associates Box 467, Bedford, Mass	CR4-7232
SC	James Highsmith & Co 3733 Monroe Rd, Charlotte, NC	FR7-2546
Tenn	James Highsmith & Co 3733 Monroe Rd, Charlotte, NC	FR7-2546
Tex	George E Harris & Co., Inc 204 E. Main St, Arlington, Tex	CR4-0761
Utah	Vinson Associates 3600 S. Lincoln, Englewood, Colo	SU9-2851
Vt	Drew Associates Inc. Box 467, Bedford, Mass	CR4-7232
Va	Airpax Electronics Inc 8113 Fenton St, Silver Spring, Md	JU8-4232
Wash	George E Harris & Co., Inc 444 Dexter Horton Bldg, Seattle, Wash	MA4-1673
Wisc	Tant Enterprises 16254 Meyers Rd, Detroit 35, Mich	UN3-2665
Wisc	Fred Peterson Co 2431 Hennepin Ave, Minneapolis, Minn	FR7-3022
Wyo	Vinson Associates 3600 S. Lincoln, Englewood, Colo	SU9-2851
Foreign	B Freudenberg Inc. 240 W 98th St, New York 25, NY	UN5-8075
Canada	Leonard Electric Ltd 346 Baring Ave, Toronto, Ontario, Canada	BE1-2731
	AIRTEC INC 139 E. First Ave, Roselle, NJ	CH5-2990
Ariz	Connelly Sales Co. Box 485, La Mirada, Cal	RA3-8611
Cal	West Eleven Inc. 8961 Sunset Blvd, Los Angeles 46, Cal	CR4-7578
Del	East Coast Liaison Inc Box 243, Lutherville, Md	VA5-4449
Fla	Norman Hardy Associates 444 Second Ave, Melbourne, Fla	
Md	East Coast Liaison Inc Box 243, Lutherville, Md	VA5-4449
Nev	Connelly Sales Co. Box 485, La Mirada, Cal	RA3-8611
NM	R F Kimball Co 3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
NY	Du Bovy Associates 144-45 35th Ave, Flushing, NY	
NC	East Coast Liaison Inc Box 243, Lutherville, Md	VA5-4449
Ore	West Eleven Inc. 8961 Sunset Blvd, Los Angeles 46, Cal	CR4-7578
Tex	R F Kimball Co 3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Va	East Coast Liaison Inc Box 243, Lutherville, Md	VA5-4449
Wash	West Eleven Inc. 8961 Sunset Blvd, Los Angeles 46, Cal	CR4-7578
	AIRTERRA 620 Poole Ave, Glendale 1, Cal	CH5-8521
	AIRTRON DIV OF LITTON INDUSTRIES 200 E. Hanover Ave, Morris Plains, NJ	JE9-8500
Alaska	Arva Inc 1320 Prospect St, Seattle 9, Wash	MA2-0177
Ariz	Kittleson Co 416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Cal	Kittleson Co 416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Colo	Scientific Instrument Co 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	Sales Engineering Sugar Ln, Newton, Conn	GA6-2664
DC	T C Britt 1500 Massachusetts Ave, N. W., Wash	CO5-2694
Del	Dickison Sales 107 York Rd, Towson 4, Md	VA3-0923
Fla	W F Hemminger Co 624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ill	R Whitmore & Associates 605 N. Michigan Ave, Chicago, Ill	MO4-1904
Ind	R O Whitesell & Associates 6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	W E Fry & Co 406 W. 34th St, Kansas City, Mo	JE1-5236
Kan	W E Fry & Co 406 W. 34th St, Kansas City, Mo	JE1-5236
Ky	R O Whitesell & Associates P.O. Box 5, west Lake, Ohio	SU1-1855
Me	Sales Engineering Co 89 High St, Chelmsford, Mass	CA7-0305
Md	Dickison Sales 107 York Rd, Towson 4, Md	VA3-0923
Mass	Sales Engineering Co 89 High St, Chelmsford, Mass	CA7-0305
Mich	R Whitmore & Associates 605 N. Michigan Ave, Chicago, Ill	MO4-1904
Mo	W E Fry & Co 6616 W. Florissant Ave, St. Louis 20, Mo	EV2-3500
Neb	W E Fry & Co 406 W. 34th St, Kansas City, Mo	JE1-5236
Nev	Scientific Instrument Co 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
NH	Sales Engineering Co 89 High St, Chelmsford, Mass	CA7-0305
NJ	Dickison Sales 302 Marcton Pike, Erlton, NJ	HA8-4086
NM	Kittleson Co 1511 Lincoln Ave, Alamogordon, NM	HE7-2780
Ohio	R O Whitesell & Associates 2205 Losantiville, Cinn	ME1-9210
Okla	W E Frye & Co 406 W. 34th St, Kansas City, Mo	JE1-5236
Pa	Dickison Sales 302 Marcton Pike, Erlton, NJ	HA8-4086
RI	Sales Engineering Co 89 High St, Chelmsford, Mass	CA7-0305
Tex	J F McKinney Sales 1303 Chemical St, Dallas, Tex	RI1-1368
Utah	Scientific Instrument Co 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Va	T C Britt 1500 Mass Ave, N.W., Wash, DC	CO5-2694
Vt	Sales Engineering Sugar Ln, Newton, Conn	GA6-2664
Wash	Arva Inc 1320 Prospect St, Seattle 9, Wash	MA2-0177
Wisc	R H Whitmore & Associates 605 N. Michigan Ave, Chicago, Ill	MO4-1904
Wyo	Scientific Instrument Co 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Foreign	Westrex Corp Div of Litton 111 Eighth Ave, New York City, NY	CH3-2300
	AIRTRONICS INC 5522 Dorsey Ln, Washington 16, DC	OL4-1676
	AIRTRONICS INTERNATIONAL CORP Box 8576, Ft. Lauderdale, Fla	LU3-4541
	AJAX MAGNETHERMIC CORP. 3990 Simon Rd, Youngstown, Ohio	ST8-9661
Ariz	John C Taylor 2820 Leonis Blvd, Los Angeles 58, Cal	LU9-3453
Cal	John C Taylor 2820 Leonis Blvd, Los Angeles 58, Cal	LU9-3453
Colo	T C Jarett Co 95 S. Ammons St, Denver 15, Colo	BE3-2333
Conn	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Del	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
DC	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
Ill	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Ind	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Ind	Ajax Magnethermic Corp 822 Delta Ave, Cincinnati 26, Ohio	TR1-2520
Iowa	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Kan	T C Jarett Co 95 S. Ammons St, Denver 15, Colo	BE3-2333
Ky	Ajax Magnethermic Corp 822 Delta Ave, Cincinnati 26, Ohio	TR1-2520
Me	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Md	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
Mass	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Mich	Ajax Magnethermic Corp 1025 E. Maple Ave, Birmingham, Mich	JO6-4767
Minn	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Mo	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Neb	T C Jarett Co 95 S. Ammons St, Denver 15, Colo	BE3-2333
NH	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
NJ	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
NJ	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
NM	T C Jarett Co 95 S. Ammons St, Denver 15, Colo	BE3-2333
NY	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Ohio	Ajax Magnethermic Corp 14820 Detroit Ave, Cleveland 7, Ohio	AC1-6440
Ohio	Ajax Magnethermic Corp 822 Delta Ave, Cincinnati 26, Ohio	TR1-2520
Pa	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
Pa	Ajax Magnethermic Corp 2230 W. 8th St, Erie, Pa	GL5-9604
RI	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Tex	Sinclair Co 6620 Dixie Dr, Houston 35, Tex	PA3-3521
Utah	T C Jarett Co 95 S. Ammons St, Denver 15, Colo	BE3-2333
Vt	Ajax Magnethermic Corp 384 Whalley Ave, New Haven, Conn	MA4-2375
Va	Ajax Magnethermic Corp 1108 Frankford Ave, Philadelphia 25, Pa	GA6-6520
Wisc	Ajax Magnethermic Corp 6611 W. North Ave, Oak Park, Ill	CO1-7199
Canada	Ajax Magnethermic Canada Ltd P.O. Box 779, Ajax, Ontario, Canada	1395
	AKRO-MILS INC P.O. Box 989, Akron 9, Ohio	BL3-7100
	ALAC INC 365 W. Arden St, Glendale, Cal	CH5-3787
	ALADDIN ELECTRONICS DIV OF ALADDIN INDUSTRIES INC 711 Murfreesboro Rd, Nashville 10, Tenn	CH2-3411
Ariz	Technical Services Co., Inc 2430 E. Washington Blvd, Phoenix, Ariz	BR5-5423
Cal	Aladdin Electronics 380 E. Green St, Pasadena 1, Cal	MU1-0285
Colo	Technical Services Co., Inc 2430 E. Washington Blvd, Phoenix, Ariz	BR5-5423
Mass	DeVeer Sales Engrg Co 1492 Highland Ave, Needham 92, Mass	HI4-4200
Conn	Myron R Smith 9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Fla	R B Barnhill & Associates 19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Ill	Lightner Associates 6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ill	MacNabb, Loomis & Schroeder 820 E. 64th St, Indianapolis, Ind	CL5-6770
Ind	MacNabb Loomis & Schroeder 820 E. 64th St, Indianapolis, Ind	CL5-6770
Kan	C D Daniels Co P.O. Box 8511, Tulsa, Okla	CH2-1990
Ky	Machabb Loomis & Schroeder 820 E. 64th St, Indianapolis, Ind	CL5-6770
La	George F Weinreich & Associates 1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Md	R B Barnhill & Associates 19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Mass	Myron R Smith 9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Mich	S Sterling Co 15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Fred B Hill Co 6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Mo	S Sterling Co 15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
ND	Fred B Hill Co 6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
NH	DeVeer Sales Engineering Co 1492 Highland Ave, Needham 92, Mass	HI4-4200
NJ	R B Barnhill & Associates 532 Cooper St, Camden 2, NJ	WO4-1181
NJ	Podeyn-Schmidt 207 Hackensack St, Wood-Ridge, NJ	GE8-2780
NM	Technical Services Co., Inc 2430 E. Washington Blvd, Phoenix, Ariz	BR5-5423
NY	R P Kennedy Co 182 Mayflower Dr, Rochester 18, NY	BR1-6322
NY	Podeyn-Schmidt 420 Northern Blvd, Great Neck, NY	HU7-1173
NY	David S Lauff Engineered Components Box 184, Eastwood Sta, Syracuse, NY	HE7-3795
Ohio	Sid Levin & Associates 6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	C D Daniels Co P.O. Box 8511, Tulsa, Okla	CH2-1990
Ore	Myron R Smith 9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Pa	Sid Levin & Associates 6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
RI	DeVeer Sales Engineering Co 1492 Highland Ave, Needham 92, Mass	HI4-4200
SD	Fred B Hill Co 6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tex	C D Daniels Co P.O. Box 8511, Tulsa, Okla	CH2-1990
Utah	Technical Services Co., Inc 2430 E. Washington Blvd, Phoenix, Ariz	BR5-5423
Vt	DeVeer Sales Engineering Co 1492 Highland Ave, Needham 92, Mass	HI4-4200
Wash	Myron R Smith 9300 N.E. 12th St, Bellevue, Wash	GL4-9400
W. Va	Sid Levin & Associates 6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wisc	Lightner Associates 6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Canada	Lake Engineering Co Ltd 123 Manville Rd, Scarborough, Ont	PL7-3253
	ALBANO CO., INC HONEYCOMB STRUCTURES DIV 555 W. 54th St, New York 19, NY	PL7-5887
Cal	E W Bohm Co Box 90293, Airport Sta, Los Angeles	OR0-1620
	ALCAR INSTRUMENTS INC 411 Robbins Ave, Trenton 8, NJ	OW5-6342
	ALCO ELECTRONIC PRODUCTS INC 3 Wolcott Ave, Lawrence, Mass	MU6-3888-9
Ala	Fred Wamble Sales Co 3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Cal	Davis Ellis Co 919-D E. California St, Pasadena, Cal	RY1-9108
Ill	Mike Bermann 8631 E. Prairie Rd, Skokie, Ill	OR5-3740
Mass	Norman R MacInnis Box 131, Melrose, Mass	NO5-0879
Mich	M E Tyson Co 848 Conlon St, Toledo 6, Ohio	CH6-4060
Ohio	Jim Chilcote Sales Co 636 Nesslewood Ave, Toledo, Ohio	CH1-3826
Tex	Lloyd C Cole Co Box 504, Denton, Tex	DU2-6017
Wash	Don Kighner 11532 4th Ave, N.E., Seattle, Wash	
	ALCON METAL PRODUCTS INC 1750 N. Kimball Ave, Chicago 47, Ill	
	ALDEN ELECTRONIC & IMPULSE RECORDING EQUIPMENT CO Box 125, Westboro, Mass	FO6-4467
	ALDEN PRODUCTS CO 112 N. Main St, Brockton 64, Mass	JU3-0160
	ALDEN SYSTEMS INC Alden Research Center, Westboro, Mass	FO6-4467
	ALDIS BROTHERS LTD 80 Shore Rd, Pt. Washington, NY	PO7-7700
Cal	F W Moulthrop Co 575 10th St, San Francisco, Cal	
Cal	Carl A Stone Associates 8971 National Blvd, Los Angeles, Cal	
Ind	Edwin A Schulz Co 721 Sherwood Dr, Indianapolis 20, Ind	
Md	Charles W Clenau Co 9427 Georgia Ave, Silver Spring, Md	
Mass	Michael Scott Co 336 Washington St, Wellesley Hills, Mass	
Mich	Grant A Shaffer 14241 Fenkell Ave, Detroit, Mich	
Minn	Northern States Sales Co 1400 Park Ave, Minneapolis, Minn	
Ore	Dave M Lee Co 3527 N. E. Union Ave, Portland, Ore	
Pa	James H Podolny Co 5912 Penn Ave, Pittsburgh 6, Pa	
Tex	J F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	
	ALECTRIC MFG CO 7842-39 Ave, Kenosha, Wisc	OL7-3248
	ALFAX PAPER & ENGINEERING CO Washington St, Westboro, Mass	FO6-4467
	ALFORD MFG CO. 299 Atlantic Ave, Boston, Mass	HA6-2150
Ariz	Instruments for Measurements 3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Cal	Instruments for Measurements 3465 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Ca	Instruments for Measurements 3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Cal	Instruments for Measurements 251 S. Murphy Ave, Sunnyvale, Cal	RE6-8580
Del	Engineering Associates 2125 Maryland Ave, Baltimore, Md	HO7-1966
DC	Engineering Associates 410 Albee Bldg, Washington 5, DC	ST3-7315
Md	Engineering Associates 2125 Maryland Ave, Baltimore 18, Md	HO7-1966
NJ	L S M Associates 531 Victor St, Saddle Brook, NJ	DI6-3070
NY	L S M Associates P.O. Box 51, Century Sta, Yonkers, NY	WO1-5566
NY	L S M Associates 36-26 148th Pl, Flushing 54, NY	HI5-0103
NC	Engineering Associates 2125 Maryland Ave, Baltimore, Md	HO7-1966
Pa	L S M Associates 488 W. Chapter St, Philadelphia, Pa	GE8-5666
Va	Engineering Associates 2125 Maryland Ave, Baltimore, Md	HO7-1966
	ALFRED ELECTRONICS 897 Commercial St, Palo Alto, Cal	DA6-6496
Ala	Scientific Sales Engineering Co., Inc 3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	Maxon Electronics Corp 4434 Ingraham, San Diego, Cal	HU8-2901
Cal	Maxon Electronics Corp 489 S. Robertson Blvd, Beverly Hills	BR2-9311
Cal	Maxon Electronics Corp 4434 Ingraham, San Diego, Cal	HU8-2901
Cal	Maxon Electronics Corp 154 41st Ave, San Mateo, Cal	FI5-7961
Colo	Gene French Co. 3395 S. Bannock St, Englewood, Colo	SU9-3551
Conn	George Gostenhofer & Associates Inc 7 Wellington St, Waltham 54, Mass	TW4-9500
Del	C E Snow Co 8212 Wisconsin Ave, Bethesda, Md	OL4-1767
DC	C E Snow Co 8212 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	Scientific Sales Engineering Co., Inc 2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Fla	Scientific Sales Engineering Co., Inc 1851 Oakview, Orlando, Fla	OR4-0730
Ga	Scientific Sales Engineering Co., Inc 2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Rush Drake Associates P.O. Box 2126, Idaho Falls, Idaho	
Ill	Lee Mark Associates 2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Ind	Electro Sales Associates 281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Kan	Lee Mark Associates P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Me	George Gostenhofer & Associates 7 Wellington St, Waltham 54, Mass	TW4-9500
Md	C E Snow Co 8212 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	George Gostenhofer & Associates 7 Wellington St, Waltham 54, Mass	TW4-9500
Mich	Electro Sales Associates 36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Miss	Scientific Sales Engineering Co., Inc 3514 Piedmont Rd, Huntsville, Ala	JE9-5552
Mo	Lee Mark Associates P.O. Box 8467, Kansas City 14, Mo	N.2-3313
Mo	Lee Mark Associates 2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
NH	George Gostenhofer & Associates Inc 7 Wellington St, Waltham 54, Mass	TW4-9500
NJ	Central Associates 44 N. Dean St, Englewood, NJ	LO8-0808
NJ	C E Snow Co 919 Phil-Ellena, Philadelphia 50, Pa	LI8-8043
NM	Gene French Co. 120 San Pedro Dr, S.E., Albuquerque, NM	AM8-2478
NY	Central Associates 29 Ranch Ln, Levittown, NY	PY6-0577
NY	Central Associates 44 N. Dean St, Englewood, NJ	LO8-0808
NY	J A Reagan Co., Inc 45 N. Lake Ave, Albany 3, NY	AL6-9649
NY	J A Reagan Co., Inc 6 E. Bayberry Circle, Liverpool, NY	HO3-8301
NY	J A Reagan Co., Inc 145 Millbrook Dr, Williamsville 21, NY	PL2727
NC	Scientific Sales Engineering Co., Inc 2831 S. Main St, Winton-Salem, NC	PA3-3281
Ohio	Electro Sales Associates 281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Ohio	Electro Sales Associates Dabel Station, Box 143, Dayton 20, Ohio	CH4-5551
Okla	Kemco Inc 1618 W. 6th St, Irving, Tex	FL1-5900
Ore	Rush Drak Associates 1806 Bush Pl, Seattle 44, Wash	EA3-8545
Pa	Electro Sales Associates 281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Pa	C E Snow Co 919 Phil-Ellena, Philadelphia 50, Pa	LI8-8043
RI	George Gostenhofer & Associates Inc 7 Wellington St, Waltham 54, Mass	TW4-9500
SC	Scientific Sales Engineering Co., Inc 2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co., Inc 3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Tenn	Scientific Sales Engineering Co., Inc 2831 S. Main St, Winston-Salem, NC	PA3-3281
Tex	Kemco Inc 1618 W. 6th St, Irving, Tex	FL1-5900
Utah	Gene French Co. 3395 S. Bannock St, Englewood, Colo	SU9-3551
Vt	George Gostenhofer & Associates Inc 7 Wellington St, Waltham 54, Mass	TW4-9500
Va	Scientific Sales Engineering Co., Inc 2831 S. Main St, Winston-Salem, NC	PA3-3281
Wash	Rush Drake Associates 1806 Bush Pl, Seattle 44, Wash	EA3-8545
Wyo	Gene French Co. 3395 S. Bannock St, Englewood, Colo	SU9-3551
	ALGO INC 251 West St, S. Hackensack, NJ	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ALITE DIV U S STONEWARE CO	**P. O. Box 119, Orrville, Ohio**	**MO9-2271**
NY	U S Stoneware Co	60 E. 42nd St, New York 17, NY	MU2-6577
	ALL AMERICAN ENGINEERING CO	**Box 1247, Wilmington, Del**	**WY4-0951**
	ALL AMERICAN TOOL & MFG CO	**8027 Lawndale, Skokie, Ill**	**OR3-7084**
Ala	DoAll Gulf Co., Inc	531 N .18th St, Birmingham 3, Ala	
Ariz	Pratt-Gilbert Hardware Co	P.O. Box 2230, Phoenix, Ariz	
Cal	Monarch Industrial Supply Co	716 E. Manchester Ave, Los Angeles, Cal	
Cal	Kenne Matt Co	P.O. Box 2007, Van Nuys, Cal	ST5-1503
Colo	Union Supply Co	5460 Colorado Blvd, Denver 16, Colo	
Conn	Brown & Stuart Inc	128 Broad St, Stamford, Conn	
Fla	Cameron & Barkley Co	27 N.W. First Ave, Miami, Fla	
Fla	DoAll South Atlantic Co	805 E. Washington St, Orlando, Fla	
Ga	Georgia Supply Co	P.O. Box 918, Savannah, Ga	
Ill	DoAll Co., Inc	254 N. Laurel Ave, DesPlaines, Ill	VA4-1122
Ill	Samuel Harris & Co	114 N. Clinton St, Chicago 6, Ill	FR2-7272
Ill	Meyer Supply Co., Inc	170 N .Clinton St, Chicago 6, Ill	
Ind	W J Holliday & Co	J & L Steel Whse Div, Indianapolis 7, Ind	
Iowa	DoAll Iowa Co	411 2nd Ave, S.E., Cedar Rapids, Iowa	
Ky	H A Petter Supply Co	101-123 S. 1st Ave, Paducah, Ky	
Md	DoAll Co., Inc	138 W. Royal Mt. Ave, Baltimore 1, Md	
Mass	DoAll Boston Co., Inc	89 Washington St, Brookline Village 46, Mass	
Mass	Walenar Inc	551 Concord St, Holliston, Mass	
Mich	Chas A Streinger Co	31855 Van Dyke Ave, Warren, Mich	
Minn	Chas W Stone Co	1914 LaSalle Ave, Minneapolis 3, Minn	
Mo	DoAll Kansas City Co	212-214 Admiral Blvd, Kansas City 6, Mo	
NJ	A N Nelson Inc	38 Johnstone Ave, Kearny, NJ	
NM	New Mexico Steel Co	P.O. Box 691, Albuquerque, NM	
NY	DoAll Rochester Co., Inc	293 Central Ave, Rochester 5, NY	
NY	DoAll Eastern Co., Inc	67 Lexington Ave, New York 10, NY	
NY	TMI Testing Machines Inc	72 Jericho Trnpk, Mineola, NY	
NC	Dowl Carolina Co., Inc	P.O. Box 1281, Statesville, NC	
Ohio	Production Saws & Supply Co	426 W. Seymour, Cincinnati 15, Ohio	
Ohio	Garco Machinery Co	2100 St. Clair St, Cleveland 17, Ohio	
Ohio	DoAll Dayton Co., Inc	522 N. Broadway, Dayton 7, Ohio	
Ore	Portland Machinery Co	208-216 S.W. 1st Ave, Portland 4, Ore	
Ore	Cascade Tool & Machinery Co	1405 S.W. 14th Ave, Portland 1, Ore	
Pa	DoAll Philadelphia Co., Inc	3107 N. Broad St, Philadelphia 32, Pa	
Pa	DoAll Pittsburgh Co., Inc	507 2nd Ave, Pittsburgh 19, Pa	
Pa	DoAll Reading Co	34 S. Furth St, Reading, Pa	
RI	H Leach Machinery Co	387 Charles Rd, Providence 4, RI	
RI	DoAll Boston Co., Inc	28 Gordon St, Providence 5, RI	
SC	Tidewater Supply Co., Inc	807-11 Gervais St, Columbia, SC	
Tenn	Pearl Equipment Co	843 7th Ave, Nashville, Tenn	
Tex	Well Machinery & Supply Co	Main at Lancaster Ave, Ft. Worth, Tex	
Va	Mitchell-Powers Hardware Co	Bristol, Va	
Wash	Campbell Industrial Supply Co	3433 Airport Way & Spokane St, Seattle 4, Wash	
Canada	Computing Devices of Canada Ltd	Box 508, Ottawa 4, Ontario, Canada	PA8-1761
Foreign	Inter-Ocean Export Assoc Inc	630 Green-Bay Rd, Kenilworth, Ill	AL1-5315
	ALL STAR PRODUCTS INC	**P.O. Box 487, Defiance, Ohio**	**2-1065**
Cal	W Bert Knight Co	10377 W. Pico Blvd, Los Angeles 64	BR2-0101
Cal	Moulthrop & Hunter	165 11th St, San Francisco 3	UN3-7880
Fla	Benz Sales Co	Box 178, N. Miami Beach 62	FR4-1391
Ill	C J Saberson	1791 Howard St, Chicago 26, Ill	BR4-9668
Mich	R C Merchant & Co., Inc	18411 W. McNichols St, Detroit 19	KE5-6000
NY	Perry Saffler	157 W. 57th St, New York 19, NY	CI7-3855
Foreign	Industrias Commerciales S A	Tonala 143, Mexico 7, D F	14-65-58
	ALL-STATE WELDING ALLOYS CO., INC	**249 Ferris Ave, White Plains, NY**	**WH8-4646**
Ala	J C Kruckmeyer	919 Shelton Rd, Birmingham	VE3-4574
Cal	Harry Peacor	9331 Maureen Dr, Garden Grove, Cal	LE9-8397
Cal	All-State Welding Alloys Co., Inc	4954 Firestone Blvd, S. Gate, Cal	LO7-2329
Ill	John Ehrhardt	18452 Dixie Hwy, Homewood, Ill	SY8-2928
Ky	Tulon Turnbow	Rt 2, Murray, Ky	MU1702
Me	John Poulson	P.O. Box 185, Ogunquit, Me	MI6-2661
Mo	All-State Welding Alloys Co., Inc	1523 N. Broadway, St. Louis 6, Mo	GA1-1066
NC	A M Martin	Rt 9, Box-356, Charlotte 8, NC	EX9-1910
Ore	Charles Bastion	569 Churchdale Ave, N., Salem, Ore	EM4-6428
Pa	Harry Tucker	P.O. Box 722, Paoli, Pa	NI4-1223
Tex	Robert Nordin	6814 Conelho St, Houston, Tex	GY4-0772
Canada	All-State Weld Alloys Can Ltd	141 Kipling Ave, Toronto 18, Canada	BE1-6231
Foreign	Jack Muller	Pereyra Lucena 2555, Buenos Aires, Arg	TE-80-5405
	ALL-TRONICS INC	**45 Bond St, Westbury, NY**	**ED3-3090**
Alaska	Howell Sales Inc	2029 McGilvia Blvd, Seattle, Wash	EA2-3209
Ariz	Ed Landa Co	1273 Westwood Blvd, L A 24, Cal	BR2-9525
Cal	Electrosources Inc	201 Town-& Country Village, Palo Alto,	DA1-0776
Cal	Ed Landa Co	1273 Westwood Blvd, L A 24, Cal	BR2-9525
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	
Conn	Electrical Mfg Service	265 Church St, New Haven 10, Conn	UN5-9100
Del	Electrical Mfgs Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
DC	Electrical Mfgs Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Fla	Electrical Mfgs Service	105 Hillside Ave, E. Williston, NY	PI2-1616
Ga	Electrical Mfgs Service	105 Hillside Ave, E. Williston, NY	PI2-1616
Hawaii	Dougherty Enterprises	149 Kaimi-St, Kailua, Hawaii	
Idaho	Howell Sales Inc	4639 Dudley, Arvada, Colo	
Ill	Jay C Angel & Co	2743 W. Paterson Ave, Chicago 45, Ill	UP8-0653
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ind	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Iowa	Jay C Angel & Co	2743 W. Paterson Ave, Chicago 45, Ill	UP8-0653
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Me	Electrical Mfgs Service	680 Main St, Waltham, Mass	TW3-0100
Md	Electrical Mfgs Service	105 Hillside Ave, E. Williston, NY	PI2-1616
Mass	Electrical Mfgs Service	680 Main St, Waltham, Mass	TW3-0100
Mich	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield 24, Ohio	HI2-9040
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Mont	Howell Sales Inc	2029 McGilvia Blvd, Seattle 2, Wash	EA2-3209
Nev	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
NH	Electrical Mfgs Service	680 Main St, Waltham, Mass	TW3-0100
NJ	Electrical Mfgs Service	18 Yale St, Nutley 10, NJ	NO7-2541
NJ	Electrical Mfgs Service	201 S. Broadway, Camden 3, NJ	
NM	Howell Sales Inc	4637 Dudley, Arvada, Colo	
NY	Electrical Mfgs Service	105 Hillside Ave, E. Williston, NY	PI2-1616
NC	Electrical Mfgs Service	201 S. Broadway, Camden 3, NJ	
Ohio	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Hghts 24,	HI2-9040
Okla	Francis Associates	249 Crestmont Dr, El Paso, Tex	JU4-2563
Ore	Howell Sales Inc	2029 McGilvia Blvd, Seattle 2, Wash	EA2-3209
Pa	Electrical Mfgs Service	201 S. Broadway, Camden 3, NJ	
Pa	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Hgts, Ohio	HI2-9040
RI	Electrical Manufacturers Serv	680 Main St, Waltham, Mass	TW3-0100
SC	Electrical Manufacturers Serv	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Tex	Francis Assoc	249 Crestmont Dr, El Paso,	JU4-2563
Utah	Howe Sales Inc	4637 Dudley, Arvada, Colo	
Vt	Electrical Manufacturers Serv	680 Main, Waltham, Mass	TW3-0100
Wash	Howell Sales Inc	2029 McGilvia Blvd, Seattle 2,	EA2-3209
W. Va	Jay C Angel & Co	2743 W. Paterson Ave, Chicago 45, Ill	UP8-0653
Wisc	Howell Sales Inc	4637 Dudley, Arvada, Colo	
Canada	Howell Sales Inc	2029 McGilvia Blvd, Seattle 2, Wash	EA2-3209
	ALLARD INSTRUMENT CORP	**146 E. 2nd St, Mineola, NY**	**PI6-5895**
Ala	Electrical Mfrs Service	65 E. Church St, Orlando, Fla	GA5-7515
Ariz	Lee Grant Snyder	1418 N. Highland, Hollywood, Cal	HO9-6278
Cal	Lee Grant Snyder	1418 N. Highland, Hollywood,	HO9-6278
Conn	Electrical Mfrs Service	265 Church St, New Haven,	UN5-9104
Del	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
DC	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Fla	Electrical Mfrs Service	65 E. Church, Orlando,	GA5-7515
Ga	Electrical Mfrs Service	65 E. Church, Orlando, Fla	GA5-7515
Ill	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Inc	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Me	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
Md	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore 2,	LE9-2131
Mass	Electrical Mfrs Service	680 Main St, Waltham,	TW3-0100
Mich	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis,	FR7-3025
NH	Electrical Mfrs Service	680 Main St, Waltham 54, Mass	TW3-0100
NJ	Hunter & Salsbury	87 Broadway, Hicksville, NY	WE8-1080
NY	Hunter & Salsbury	87 Broadway, Hicksville, NY	WE8-1080
NC	Electrical Mfrs Service	Box 5091, High Point,	HI2-3495
Pa	Electrical Mfrs Service	201 S. Broadway, Camden 3, NJ	WO4-8014
RI	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
SC	Electrical Mfrs Service	Box 5091, High Point, NC	HI7-3495
Tenn	Electrical Mfrs Service	Box 5091, High Point, NC	HI2-3495
Vt	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
Va	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Wisc	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Canada	A Deskin Sales Co	1091 14 St, Montreal 40, Quebec,	MU1-0201
	ALLEGANY INSTRUMENT CO., INC	**1091 Wills Mountain, Cumberland, Md**	**PA4-1200**
Alaska	Instronics Limited	P.O. Box 51, Stittsville, Ont, Canada	ON56
Ariz	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Cal	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Colo	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Conn	Addelco Co	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Fla	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ga	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Idaho	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Iowa	Alinco Engineering Inc	P.O. Box-137, Palo Alto, Cal	DA1-1317
Me	Addelco Co	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Mont	Alinco Engineering Inc	P.O. Box-137, Palo Alto, Cal	DA1-1317
Nev	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
NH	Addelco Co	1826 Centre St, West Roxbury 32, Mass	FA3-7940
NJ	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
NM	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
NY	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Ore	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Pa	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
RI	Addelco Co	1826 Centre St, West Roxbury 32, Mass	FA3-7940
SC	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Vt	Addelco Co	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Wash	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
Wyo	Alinco Engineering Inc	P.O. Box 137, Palo Alto, Cal	DA1-1317
NY	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
	ALLEGHENY ELECTRONIC CHEMICALS CO	**207 Hooker-Fulton Bldg, Bradford, Pa**	**FO3-3584**
Cal	Allegheny Electronic Chem Co	13440 Ventura Blvd, Sherman Oaks,	TR3-3482
	ALLEGHENY LUDLUM STEEL CORP	**2020 Oliver Bldg, Pittsburgh 22, Pa**	**CO1-5300**
Ala	Allegheny Ludlum Steel Corp	3515 3rd Ave, S., Birmingham 1,	FA2-0548
Cal	Allegheny Ludlum Steel Corp	Box 6842, E. L A Br, Los Angeles 22,	RA3-1181
Cal	Allegheny Ludlum Steel Corp	36 Berry St, San Francisco 7,	EX7-0935
DC	Allegheny Ludlum Steel Corp	1001 15th St, N.W., Washington 5, DC	EX3-4232
Ill	Allegheny Ludlum Steel Corp	4747 S. Kedzie Ave, Chicago 32,	LA3-8650
Ind	Allegheny Ludlum Steel Corp	1801 E. DeLoss St, Indianapolis 1,	ME2-6521
Mass	Allegheny Ludlum Steel Corp	469-473 Taylor St, Springfield 1,	RE4-4996
Mich	Allegheny Ludlum Steel Corp	1500 Jarvis Ave, Detroit 20,	JO4-6900
Minn	Allegheny Ludlum Steel Corp	2400 N. Lilac Dr, Minneapolis 32,	JU8-4050
Mo	Allegheny Ludlum Steel Corp	807 Continental Bldg, St. Louis 8,	JE3-6700
Mo	Allegheny Ludlum Steel Corp	P.O. Box 7133, Kansas City 13,	CO2-5679
NY	Allegheny Ludlum Steel Corp	2960 Main St, Buffalo 14,	AT4355
NY	Allegheny Ludlum Steel Corp	150 E. 42nd St, New York 17,	MU2-0369
NY	Allegheny Ludlum Steel Corp	114 S. Warren St, Syracuse 2,	GR4-4829
NC	Allegheny Ludlum Steel Corp	1715 Wensley Dr, Charlotte,	JA3-7611
Ohio	Allegheny Ludlum Steel Corp	1109-10 Garew Tower Bldg, Cincinnati 2,	PA1-8180
Ohio	Allegheny Ludlum Steel Corp	3101 Euclid Bldg, Cleveland 15,	UT1-0500
Ohio	Allegheny Ludlum Steel Corp	P.O. Box 1017, Dayton 1,	BA2-8386
Ore	Allegheny Ludlum Steel Corp	1220 S.W. Morrison St, Portland 5,	CA8-2692
Pa	Allegheny Ludlum Steel Corp	Suburban Sta Bldg, Philadelphia 3,	LO3-4130
Tex	Allegheny Ludlum Steel Corp	145 Meadows Bldg, Dallas 6,	EM1-2891
Wash	Allegheny Ludlum Steel Corp	3327 White Henry Stuart Bldg, Seattle 1,	MU2-2180
	ALLEGHENY PLASTICS INC	**Rt 51, Thorn Run Rd, Coraopolis, Pa**	**AM4-0250**
Colo	Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	AU0252
Del	Edwin B Hinck	270 N. Mountain Ave, U. Montclair, NJ	FI2-3341
DC	Edwin B Hinck	270 N. Mountain Ave, U. Montclair, NJ	FI2-3341
Fla	Owen S Riffle	Box 425, Pinellas Park, Fla	HE5-6709
Ill	Gormak Co	7001 N. Clark St, Chicago 26,	
Ind	Assoc Engineers Inc	748 E. Wayne St, Ft. Wayne 4,	
Iowa	Hydraulic Packing Co	2114 4th Ave, S., Minneapolis 4, Minn	
Kan	Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	AU0252
Ky	Associated Engineers Inc	748 E. Wayne St, Ft. Wayne 4, Ind	
Me	Ed Bergeron	150 Main St, Saybrook, Conn	
Md	Ed Hinck	270 N. Mountain, U. Montclair, NJ	FI2-3341
Mass	Ed Bergeron	150 Main St, Saybrook, Conn	
Mich	G S Stauton & Co	1025 E. Maple Ave, Bir, Mich	
Minn	Hydraulic Packing Co	2114 4th Ave, S., Minneapolis 4, Minn	
Miss	The Bauer Co	1017 Norwood St, Ft. Worth, Tex	
Mo	The Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	
NH	Edward H Bergeron	150 Main St, Saybrook, Conn	
NJ	Edwin B Hinck	270 N. Mountain Ave, Upper Montclair, NJ	
NM	The Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	
NY	T C Matthews Jr	262 Mt. Airy Dr, Rochester 17,	
Ohio	Robert C Graham	1432 Sand Run Rd, Akron 13,	
Okla	The Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	
Pa	Edwin B Hinck	270 N. Mountain Ave, Upper Montclair, NJ	
RI	Edward H Bergeron	150 Main St, Saybrook, NJ	
Tex	The Bauer Co	1017 Norwood St, Ft. Worth 7, Tex	
Vt	Edwin H Bergeron	150 Main St, Saybrook, NJ	
	ALLEN AVIONICS INC	**255 E. 2nd St, Mineola, NY**	**PI7-5450**
	ALLEN-BRADLEY CO	**136 W. Greenfield, Milwaukee 4, Wisc**	**OR1-2000**
Ala	Allen Bradley Co	825 S. 22nd St, Birmingham 5, Ala	FA3-1171
Ariz	Allen Bradley Co	1902 E. Rovey Ave, Phoenix, Ariz	AM6-3188
Ark	Allen Bradley Co	400 Shall-St, Little Rock, Ark	FR4-8201
Cal	Allen Bradley Co	1264 S. Boyle Ave, Los Angeles 23, Cal	AN9-9421
Cal	Allen Bradley Co	301 W. G-St, San Diego 1, Cal	BE3-3981
Cal	Allen Bradley Co	1601 Cortland Ave, San Francisco 10	MI8-1236
Colo	Allen Bradley Co	2134 Curtis St, Denver 5, Colo	AC2-4841
Conn	Allen Bradley Co	1720 Barnum Ave, Bridgeport, Conn	DR8-3636
Fla	Allen Bradley Co	1446 June St, Jacksonville 7, Fla	EX8-0531
Fla	Allen Bradley Co	3524 W. Flagler St, Miami 35, Fla	HI4-7414
Fla	Allen Bradley Co	1521 S. Dale Mabry Hwy, Tampa 9, Fla	8-3632
Ga	Allen Bradley Co	1062 Northside Dr, N.W., Atlanta 18, Ga	TR6-8833
Ill	Allen Bradley Co	445 N. LaSalle St, Chicago 10, Ill	WH4-1670
Ill	Allen Bradley Co	1013 Broadway, Rockford, Ill	WO5-8795
Ind	Allen Bradley Co	2212 S. Calhoun St, Fort Wayne, Ind	KE7068
Ind	Allen Bradley Co	1491 N. Harding St, Indianapolis 7, Ind	ME8-1491
Iowa	Allen Bradley Co	Box 223, Bettendorf, Davenport, Iowa	5-1294
Iowa	Allen Bradley Co	1112 Locust St, Des Moines 9, Iowa	AT8-5721
Ky	Allen Bradley Co	2209 S. Floyd St, Louisville 17, Ky	ME7-3603
La	Allen Bradley Co	1037 Magazine St, New Orleans 13, La	JA2-5805
La	Allen Bradley Co	409 Fairfield Bldg, Shreveport, La	5-5465
Md	Allen Bradley Co	124 Light-St, Baltimore 2, Md	MU5-4643
Mass	Allen Bradley Co	24 Brighton Ave, Boston 34, Mass	ST2-0203
Mass	Allen Bradley Co	172 Chestnut St, Springfield 3, Mass	RE2-3430
Mich	Allen Bradley Co	6750 E. Davison Ave, Detroit 12, Mich	TW3-7500
Mich	Allen Bradley Co	829 Stockdale, Flint 4, Mich	CE2-9341
Mich	Allen Bradley Co	314 Straight, S.W., Grand Rapids 2, Mich	GL4-1825
Mich	Allen Bradley Co	2519 Lake St, Kalamazoo 22, Mich	FI4-6163
Minn	Allen Bradley Co	1900 University Ave, St. Paul 4, Minn	MI6-4523
Mo	Allen Bradley Co	1819 Central St, Kansas City 8, Mo	HA1-1668
Mo	Allen Bradley Co	904 N. Grand Blvd, St. Louis 6, Mo	JE5-1901
Neb	Allen Bradley Co	1614 Izard St, Omaha 2, Neb	AT7600
NJ	Allen Bradley Co	350 Main St, East Orange, NJ	OR2-9693
NM	Allen Bradley Co	114 Morningside Dr, N.E., Albuquerque	AL6-0307
NY	Allen Bradley Co	1547 Central Ave, Albany 5, NY	UN9-9363
NY	Allen Bradley Co	41 N. Division St, Buffalo 3, NY	CL7636
NY	Allen Bradley Co	630 3rd Ave, New York 17, NY	MU2-6070
NY	Allen Bradley Co	241 East Ave, Rochester 4, NY	BA5-7510
NY	Allen Bradley Co	820 E. Water St, Syracuse 3, NY	GR6-2141
NC	Allen Bradley Co	307 Lincoln St, Charlotte 3, NC	ED4-6334
Ohio	Allen Bradley Co	Box 1286; Sta C, Canton 8, Ohio	GL6-8066
Ohio	Allen Bradley Co	2331 Reading Rd, Cincinnati 2, Ohio	UN1-4445
Ohio	Allen Bradley Co	3416 Prospect Ave, Cleveland 15, Ohio	EX1-2855
Ohio	Allen Bradley Co	3070 Far Hills Ave, Dayton 29, Ohio	AX8-6121
Ohio	Allen Bradley Co	1922 Sylvania Ave, Toledo 13, Ohio	GR5-2700
Okla	Allen Bradley Co	1809 W. Main St, Oklahoma City, Okla	CE2-5365
Okla	Allen Bradley Co	1526 E. 4th St, Tulsa 10, Okla	DI3-9149
Ore	Allen Bradley Co	1004 S.E.-Belmont St, Portland 14, Ore	BE2-1188
Pa	Allen Bradley Co	842 Hamilton St, Allentown, Pa	HE7-2401
Pa	Allen Bradley Co	1045 W. 26th St, Erie, Pa	4-4966
Pa	Allen Bradley Co	235 Fairfield Ave, Upper Darby, Pa	SH8-0943
Pa	Allen Bradley Co	2721 W. Liberty Ave, Pittsburgh 16, Pa	FI1-2822
Pa	Allen Bradley Co	653 W. Market St, York, Pa	82-239
Tenn	Allen Bradley Co	1311-C N. Broadway, Knoxville 17, Tenn	4-2513
Tenn	Allen Bradley Co	718 M & M Bldg, Memphis 3, Tenn	JA6-7601
Tex	Allen Bradley Co	2810 McKinney Ave, Dallas 1, Tex	TA3-6179
Tex	Allen Bradley Co	2105 McKinney Ave, Houston 3, Tex	CA5-0747
Tex	Allen Bradley Co	637 Patterson Ave, San Antonio 9, Tex	TA6-1545
Utah	Allen Bradley Co	1482 Major St, Salt Lake City 10, Utah	IN7-5489
Va	Allen Bradley Co	2016 2nd Ave, Richmond 22, Va	MI3-8529
Wash	Allen Bradley Co	2605 Western Ave, Seattle 1, Wash	MU2-7444
W. Va	Allen Bradley Co	918 Kanawha Blvd, E., Charleston 1	DI3-1393
Foreign	Representatives In All Principal Countries		
	ALLEN BUSINESS MACHINE INC RC AIRCRAFT INST DIV	**333 Commerce, S.W., Grand Rapids, Mich**	**GL6-8541**
Ariz	Randolph Engineering Co	1029 N. First St, Phoenix, Ariz	YE7-0217
Cal	Randolph Engineering Co	12202 E. Garvey Blvd, El Monte, Cal	CU3-4183
Ga	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Md	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore, Md	VA3-3350
Mich	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit, Mich	YE7-1560
Mo	Kemp Engineering Co	6414 Hampton Ave, St. Louis, Mo	FL1-2175
NY	Aironic Accessory Co., Inc	1590 Niagara Falls Blvd, Tonawanda, NY	AT4740
NY	Aironic Accessory Co., Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
Ohio	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati, Ohio	WE1-0930
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas, Tex	FL7-6663
Wash	W J McNabb Co	P.O. Box 666, Bellevue, Wash	GL4-0577
	ALLEN CO., INC., L B	**9329 Dept E, Schiller Park, Ill**	**GL5-3097**
	ALLEN ELECTRIC & EQUIPMENT CO	**2101 N. Pitcher, Kalamazoo, Mich**	**FI5-8531**
	ALLEN MFG CO	**133 Sheldon St, Hartford 2, Conn**	
	ALLIANCE MFG CO	**Lake Park Blvd, Alliance, Ohio**	**TA1-5361**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	ALLIED ALLEGRI INC 141 River Rd, Nutley, NJ	NO7-3910
	ALLIED CHEMICAL CORP BAKER & ADAMSON PRODS GEN CHEM DIV 40 Rector St, New York, NY	HA2-7300
	ALLIED CIRCUIT TECHNIQUES LTD 29 Brock St, N., Oakville, Ontario, Canada	
	ALLIED CONTROL CO., INC. 2 East End Ave, New York 21, NY	BU8-7403
Ala	Charles A Falte, 209 78th St, N., Birmingham 6, Ala	VE6-5802
Alaska	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ariz	Western Control Equipment Co, 1400 N. 32nd St, Phoenix, Ariz	BR5-2013
Ark	Dick Bellew Sales Co, 314 Melrose, El Dorado, Ark	UN3-8325
Cal	Western Control Equipment Co, 14615 Ventura Blvd, Sherman Oaks, Cal	ST9-0265
Cal	William J Purdy Co, 312 7th St, San Francisco 3, Cal	UN3-3300
Colo	Scientific Instrument Co, 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
Del	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
DC	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
DC	Arco Engineering Co, 733 15th St, N.W., Wash 6, DC	EX3-5991
Fla	William R Lehmann Co, P.O. Box 1224, Orlando, Fla	GA2-9848
Ga	Floyd Fausett & Co, 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Idaho	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ill	Ringland M Krueger Co, 5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Ill	Forristal-Young Sales Co, 8147 Delmar, St. Louis 24, Mo	PA5-7701
Ind	Morris-Cunningham & Associates, 6208 N. College Ave, Indnpls 29, Ind	CL1-3222
Iowa	Ringland M Krueger Co, 5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Kan	Forristal-Young Sales Co, 4053 Broadway, Kansas City 11, Mo	VA1-5330
Ky	A C Wahl Co., Inc, P.O. Box 213, Lockland, Cinn 15, Ohio	VA1-3270
Ky	Morris-Cunningham & Associates, 6208 N. College Ave, Indnpls 20, Ind	CL1-3222
La	Dick Bellew Sales Co, 314 Melrose, El Dorado, Ark	UN3-8325
Me	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
Md	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
Mass	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
Mich	L H Dickelman Co, 18450 Livernois Ave, Detroit 21, Mich	UN4-4376
Minn	Robert W Marshall, 6106 Excelsior Blvd, Minnpls 16, Minn	WE9-0457
Miss	Dick Bellew Sales Co, 314 Melrose, El Dorado, Ark	UN3-8325
Mo	Forristal-Young Sales Co, 8147 Delmar, St. Louis 24, Mo	PA5-7701
Mont	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
Neb	Forristal-Young Sales Co, 4053 Broadway, Kansas City 11, Mo	VA1-5330
Nev	William J Purdy Co, 312 7th St, San Francisco 3, Cal	UN3-3300
NH	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
NJ	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
NM	Edward G Miller Jr Co, P.O. Box 8306, Albuquerque, NM	AL6-1585
NC	Floyd Fausett & Co, 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ohio	Allen Sales Co, P.O. Box 146, Brecksville, Ohio	JA6-4323
Ohio	A C Wahl Co., Inc, P.O. Box 213, Lockland, Cinn 15, Ohio	VA1-3270
Okla	Southern Industrial Electronics Inc, P.O. Box 9814, Ex Park, Dallas, Tex	FL2-3901
Ore	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
Pa	Lowery Dietrich Co, 703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
RI	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
SC	Don Hawthorne, Stony Point, Greenwood, SC	GL1-2897
Tenn	Floyd Fausett & Co, 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Tex	Southern Industrial Electronics Inc, P.O. Box 9814, Ex Park, Dallas, Tex	FL2-3901
Utah	Scientific Instrument Co, 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Vt	MacDonald-Wadman Co, 1213 Chestnut St, Newton Upper Fls, Mass	WO9-8980
Va	Charles R Hile Co, 17 S. Valley Rd, Paoli, Pa	NI4-5500
Wash	Don Smith Sales Co, 2320 N. 45th St, Seattle 3, Wash	ME3-3160
W. Va	Lowry Dietrich Co, 703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Wisc	Ringland M Krueger Co, 5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Wisc	Robert W Marshall, 6106 Excelsior Blvd, Minnpls 16, Minn	WE9-0457
Wyo	Scientific Instrument Co, 1460 Pennsylvania St, Denver 3, Colo	AL5-2777
	ALLIED ENGRAVING & STAMP CO 701 Seneca St, Buffalo 10, NY	CL3725
	ALLIED PLASTICS SUPPLY CORP 75 Cliff St, New York 38, NY	BE3-7377
NJ	Allied Plastics Supply Corp of NJ, 613 Devine Ave, Elizabeth	EL4-3856
	ALLIED RADIO CORP 100 N. Western Ave, Chicago 80, Ill	HA1-6800
Fla	Curt Smith, P.O. Box 1621, Clearwater	316895
Ind	Joe Lynn, 413 S. 28th St, S. Bend 15	AT8-3670
Mich	Lon Osten, 31035 Hennepin, Garden City	GA4-2478
Mich	Dale Boersma, 1330 Calhoun, Kalamazoo	FI9-1694
Minn	James R Rhode, 2176 Suburban Ave, St. Paul	PR4-8326
Mo	John Durbin, 1101 Forestwood, Ferguson 35	JA1-1233
Ohio	George C Tomin, 221 Austin Dr Ct, Barberton	PL3-3912
Ohio	Robert K Abbott, 108 W. Cooke Rd, Columbus 14	AM3-9959
Wisc	Robert Gumm, 770 S. 7th Ave, W. Bend, Wisc	FE4-4435
Wisc	Harry Mitchell, Rt 4, Box 186, Pewaukee, Wisc	5485
	ALLIED RECORD MFG CO 6916 Santa Monica Blvd, Hollywood, Cal	HO2-1251
Ala	Glenn Assoc, Box 7364, Birmingham 9	
Cal	L A Nott & Co, 1061 Howard St, San Francisco 3	
Del	Angus-Sloane Assoc, Moorestown, NJ	
DC	Angus-Sloane Assoc, Moorestown, NJ	
Fla	Glenn Assoc, 918 Langford Bldg, Miami 32	
Fla	Glenn Assoc, 711 Magnolia Ave, Orlando	
Ga	Glenn Assoc, 172 Simpson St, N.W., Atlanta 13	
Ill	Zak-Cowen & Associates Inc, 7730 Carondelet, St. Louis, Mo	
Iowa	Ringland M Krueger Co, 5306 W. Lawrence Ave, Chicago 30, Ill	
Kan	Zak-Cowen & Associates Inc, 7730 Carondelet, St. Louis, Mo	
Md	Angus-Sloane Associates, Moorestown, NJ	
Mo	Zak-Cowen & Associates Inc, 7730 Carondelet, St. Louis 5	
NJ	Land-C-Air Sales Co, 140 Marbledale Rd, Tuckahoe, NY	
NJ	Angus-Sloane Associates, Moorestown, NJ	
NY	Reed-Tomlinson Corp, 2815 Monroe Ave, Rochester 18	
NY	Land-C-Air Sales Co, 140 Marbledale Rd, Tuckahoe	
NC	Missiletronics, Box 6096, Charlotte 4	
Okla	Tex-O-Kama Sales Co, Box 747, Grand Prairie, Tex	
Pa	Angus-Sloane, Moorestown, NJ	
SC	Missiletronics, Box 6096, Charlotte 4, NC	
Tenn	Glenn Associates, 172 Simpson St, N.W., Atlanta 13, Ga	
Tex	Tex-O-Kama Sales, Box 747, Grand Prairie	
Va	Missiletronics, Box 6096, Charlotte 4, NC	
Wisc	Ringland M Krueger Co, 5306 W. Lawrence Ave, Chicago 30, Ill	
	ALLIED RECORDING PRODUCTS CO 32-32 Greenp't Av, Long Island City 1, NY	ST4-2318
	ALLIED RESEARCH PRODUCTS INC 4004 E. Monument St, Baltimore 5, Md	PE2-9070
Cal	L H Butcher Co, 3628 E. Olympic Blvd, Los Angeles 3, Cal	AN2-4101
Conn	A R P I, 309 Meadowbrook Rd, Fairfield, Conn	CL9-2710
Ga	C H Hohner, 1841 Cheshire Br Rd, N.E., Atlanta, Ga	TR5-1646
Ill	A R P I, 4231 N. Nordica Ave, Chicago 34, Ill	SP4-0234
Ind	B Hawkes, 2051 E. 46th, Indianapolis 5, Ind	CL1-9111
Iowa	A Jackson, 2218 N. Howell St, Davenport, Iowa	DA6-1733
Mich	L J Camill, 400 E. Midland Ave, Detroit 3, Mich	TU3-0100
Minn	Industrial Chem & Equip Co, 205 S. 11th Ave, Minneapolis 15, Minn	FE9-4609
NJ	D E Ward, 29 Poreta Ave, N. Arlington, NJ	WY1-8777
NY	L S Wood, 1329 Bellevue, Syracuse 4, NY	GR8-6029
Ohio	T C Richard, 6851 Plainfield Rd, Cincinnati, Ohio	SY1-1156
Ohio	R B Fenwick, 1501 Euclid Ave, Cleveland 15, Ohio	MA1-9300
Pa	G DeCario, 238 4 Ave, Pittsburgh 22, Pa	GR1-1150
Pa	P J Borell, Broad & Chestnut, Philadelphia 7, Pa	KI6-0774
RI	Cahill Chemical Co, P.O. Box 228, Providence 9, RI	EL1-0883
Wisc	John Schneider, 101 Dunwood Rd, Milwaukee 17, Wisc	FL2-6226
	ALLIES' PRODUCTS CORP Box 188, Kendall Br, Miami 56, Fla	CE5-5424
Ariz	Weightman & Assoc, 4029 Burbank Blvd, Burbank, Cal	VI9-2435
Cal	Weightman & Assoc, 4029 Burbank Blvd, Burbank, Cal	VI9-2435
Cal	Weightman & Assoc, 1436 El Camino Real, Menlo Park	DA6-3797
Conn	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Conn	White Sales Co., Inc, 39 Mildrum Rd, Berlin	BA4-0423
Del	John J Nolan & Assoc, 314 W. Sparks St, Philadelphia, Pa	WA4-1595
DC	John J Nolan & Assoc, 314 W. Sparks St, Philadelphia, Pa	WA4-1595
Fla	Repco Sales, 401 N.W. 71 St, Miami 38, Fla	PL7-2911
Ill	Gordon Fixman Engineering Co, 8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Ill	Hill & Gray Inc, 41 1/2 Harrison St, Oak Park	ES8-7050
Ind	Midwest Sales Co, 3219 W. 117 St, Cleveland 11, Ohio	WI1-2700
Kan	Gordon Fixman Engineering Co, 8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Me	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Md	John J Nolan & Associates, 314 W. Sparks St, Phila, Pa	WA4-1595
Mass	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	Midwest Sales Co, 3219 W. 117 St, Cleveland 11, Ohio	WI1-2700
Mo	Gordon Fixman Engineering Co, 8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Nev	Weightman & Associates, 4029 Burbank Blvd, Burbank, Cal	VI9-2435
NH	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
NJ	Harold Gray Associates, 46 Tenafly Rd, Tenafly, NJ	LO7-3585
NJ	John J Nolan & Associates, 314 W. Sparks St, Phila, Pa	WA4-1595
NY	Harold Gray Associates, 46 Tenafly Rd, Tenafly, NJ	LO7-3585
Ohio	Midwest Sales Co, 3219 W. 117 St, Cleveland 11	WI1-2700
Pa	John J Nolan & Associates, 314 W. Sparks St, Phila, Pa	WA4-1595
Pa	Midwest Sales Co, 3219 W. 117 St, Cleveland 11, Ohio	WI1-2700
RI	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Vt	White Sales Co., Inc, 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Va	John J Nolan & Associates, 314 W. Sparks St, Phila, Pa	WA4-1595
Wash	John J Nolan & Associates, 314 W. Sparks St, Phila, Pa	WA4-1595
W. Va	Midwest Sales Co, 3219 W. 117 St, Cleveland 11, Ohio	WI1-2700
Wisc	Hill & Gray Inc, 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
	ALLIS-CHALMERS MFG CO 935 S. 70th St, Milwaukee 1, Wisc	SP4-3600
Ala	Allis-Chalmers Mfg Co, 1824-29th Ave, S., Birmingham 9, Ala	TR5-8621
Ariz	Allis-Chalmers Mfg Co, 3300 N. Central Ave, Phoenix, Ariz	CR4-5426
Cal	Allis-Chalmers Mfg Co, 417 S. Hill St, Los Angeles 13, Cal	MA6-2231
Cal	Allis-Chalmers Mfg Co, 747 Ninth Ave, San Diego 1, Cal	BE2-7355
Cal	Allis-Chalmers Mfg Co, 650 Harrison St, San Francisco 7, Cal	DO2-8384
Colo	Allis-Chalmers Mfg Co, 655 Broadway Bldg, Denver 3, Colo	CH4-6556
Conn	Allis-Chalmers Mfg Co, 750 Main St, Hartford, Conn	CH6-5675
Conn	Allis-Chalmers Mfg Co, 265 Church St, New Haven 10, Conn	ST7-1176
DC	Allis-Chalmers Mfg Co, 777-14th St, N.W., Washington 5, DC	EX3-2800
Fla	Allis-Chalmers Mfg Co, 1628 San Marco Blvd, Jacksonville 7, Fla	EX8-6441
Fla	Allis-Chalmers Mfg Co, 25 S.E. 2nd Ave, Miami 32, Fla	FR5-5691
Fla	Allis-Chalmers Mfg Co, 405 S. Morgan St, Tampa 2, Fla	2-8371
Ga	Allis-Chalmers Mfg Co, 57 Forsythe St, N.W., Atlanta 3, Ga	JA2-7116
Ill	Allis-Chalmers Mfg Co, 135 S. LaSalle St, Chicago 3, Ill	FR2-6480
Ill	Allis-Chalmers Mfg Co, Commercial Natl Bank Bldg, Peoria 2, Ill	4-9279
Ill	Allis-Chalmers Mfg Co, 303 N. Main St, Rockford, Ill	WO5-0664
Ind	Allis-Chalmers Mfg Co, 329 Main St, Evansville 9, Ind	HA4-8219
Ind	Allis-Chalmers Mfg Co, 3590 N. Meridian St, Indianapolis 18, Ind	WA4-5361
Iowa	Allis-Chalmers Mfg Co, 326 W. Third St, Davenport, Iowa	3-9793
Iowa	Allis-Chalmers Mfg Co, 206 Sixth Ave, Des Moines, Iowa	CH3-8682
Kan	Allis-Chalmers Mfg Co, 114 S. Main St, Wichita 2, Kan	FO3-9762
Ky	Allis-Chalmers Mfg Co, 232 E. Burnett Ave, Louisville 8, Ky	ME7-5478
La	Allis-Chalmers Mfg Co, 210 Baronne St, New Orleans 12, La	JA5-8623
La	Allis-Chalmers Mfg Co, 624 Travis St, Shreveport 23, La	2-3274
Me	Allis-Chalmers Mfg Co, 269 1/2 Water St, Augusta, Me	MA3-4769
Md	Allis-Chalmers Mfg Co, 1115 E. 30th St, Baltimore 18, Md	HO7-4480
Mass	Allis-Chalmers Mfg Co, 31 St. James Ave, Boston 16, Mass	HU2-3700
Mich	Allis-Chalmers Mfg Co, 17170 W. Seven Mile Rd, Detroit 35, Mich	BR3-6400
Mich	Allis-Chalmers Mfg Co, 5-7 Lyon St, N.W., Grand Rapids 2, Mich	GL9-8249
Mich	Allis-Chalmers Mfg Co, 297 W. Michigan Ave, Jackson, Mich	ST4-8591
Minn	Allis-Chalmers Mfg Co, 10 E. Superior St, Duluth 2, Minn	RA7-5061
Minn	Allis-Chalmers Mfg Co, 821 Marquette Ave, Minneapolis 2, Minn	FE3-6455
Mo	Allis-Chalmers Mfg Co, 1734 Main St, Kansas City 8, Mo	VI2-0132
Mo	Allis-Chalmers Mfg Co, 7912 Bonhomme Ave, St. Louis 5, Mo	CE1-4313
Neb	Allis-Chalmers Mfg Co, 14th & Farnam Sts, Omaha 2, Neb	AT1780
NC	Allis-Chalmers Mfg Co, 300 E. Seventh St, Charlotte 6, NC	ED4-1667-8-9
NJ	Allis-Chalmers Mfg Co, 1060 Broad St, Newark 2, N J	MA3-7170
NM	Allis-Chalmers Mfg Co, 5104 Grand Ave, N.E., Albuquerque, NM	AL6-5064
NY	Allis-Chalmers Mfg Co, 170 Franklin St, Buffalo 2, NY	WA1741
NY	Allis-Chalmers Mfg Co, 100 Church St, New York 7, NY	BE3-9100
NY	Allis-Chalmers Mfg Co, 10 Gibbs St, Rochester 4, NY	BA5-4060
NY	Allis-Chalmers Mfg Co, 472 S. Salina St, Syracuse 2, NY	GR1-0147
Ohio	Allis-Chalmers Mfg Co, 2003 W. Market St, Akron 13, Ohio	TE6-7996
Ohio	Allis-Chalmers Mfg Co, 617 Vine St, Cincinnati 2, Ohio	MA1-7300
Ohio	Allis-Chalmers Mfg Co, 815 Superior Ave, N.E., Cleveland 14	MA1-5182
Ohio	Allis-Chalmers Mfg Co, 1500 W. Third St, Columbus 12, Ohio	HU6-2465
Ohio	Allis-Chalmers Mfg Co, 11 W. Monument Ave, Dayton 2, Ohio	BA8-2174
Ohio	Allis-Chalmers Mfg Co, 245 Summit St, Toledo 4, Ohio	CH4-7488
Ohio	Allis-Chalmers Mfg Co, 25 E. Boardman St, Youngstown 3, Ohio	RI3-5175
Okla	Allis-Chalmers Mfg Co, 401 N. Harvey, Oklahoma City 1, Okla	RE9-1631
Okla	Allis-Chalmers Mfg Co, 320 E. Archer St, Tulsa 3, Okla	GI7-9163
Ore	Allis-Chalmers Mfg Co, 520 S.W. 6th Ave, Portland 4, Ore	CA2-9835
Pa	Allis-Chalmers Mfg Co, 1436 Hamilton St, Allentown, Pa	HE4-9366
Pa	Allis-Chalmers Mfg Co, 1617 Pennsylvania Blvd, Phila 3, Pa	RI6-6412
Pa	Allis-Chalmers Mfg Co, 1701 McFarland Rd, Pittsburgh 16, Pa	LO3-4434
Pa	Allis-Chalmers Mfg Co, 56 N. Queen St, York, Pa	YO5415
Tenn	Allis-Chalmers Mfg Co, Hamilton Nat'l Bank Bldg, Chattanooga	AM6-5101
Tenn	Allis-Chalmers Mfg Co, 531 S. Gay St, Knoxville 2, Tenn	2-2165
Tenn	Allis-Chalmers Mfg Co, 46 N. Third St, Memphis 3, Tenn	JA7-0377
Tex	Allis-Chalmers Mfg Co, 412 First Nat'l Bank Bldg, Abilene	OR4-3472
Tex	Allis-Chalmers Mfg Co, 301 Polk St, Amarillo, Tex	DR3-1766
Tex	Allis-Chalmers Mfg Co, 490 Orleans St, Beaumont, Tex	TE5-2535
Tex	Allis-Chalmers Mfg Co, 416 N. Chaparral St, Corpus Christi, Tex	TU3-8521
Tex	Allis-Chalmers Mfg Co, 1800 N. Market, Dallas	RI2-7144
Tex	Allis-Chalmers Mfg Co, 502 Electric Bldg, El Paso, Tex	KE3-9517
Tex	Allis-Chalmers Mfg Co, 408 W. 7th St, Ft. Worth 1, Tex	ED2-8331
Tex	Allis-Chalmers Mfg Co, 1104 Dowling St, Houston 3, Tex	CA5-0691
Tex	Allis-Chalmers Mfg Co, 902 First Natl. Bank Bldg, San Antonio 5, Tex	CA7-7022
Utah	Allis-Chalmers Mfg Co, 136 S. Main St, Salt Lake City 1, Utah	EM3-1723
Va	Allis-Chalmers Mfg Co, 700 E. Franklin St, Richmond 19, Va	MI3-6646
Wash	Allis-Chalmers Mfg Co, 1318 4th Ave, Seattle 1, Wash	MA4-3737
Wash	Allis-Chalmers Mfg Co, W. 12 Indiana Ave, Spokane 17, Wash	FA7-1581
W. Va	Allis-Chalmers Mfg Co, 179 Summers St, Charleston 1, W.Va	DI3-9505
Wisc	Allis-Chalmers Mfg Co, 1000 W. College Ave, Appleton, Wisc	RE4-4577
Wisc	Allis-Chalmers Mfg Co, 2040 W. Wisconsin Ave, Milwaukee 3, Wisc	WE3-1736
Canada	Allis-Chalmers Mfg Co, 709-8th Ave, W., Calgary, Alberta, Canada	AM2-5880
Canada	Allis-Chalmers Mfg Co, 232 St. George St, Moncton, N.B., Canada	EV4-9898
Canada	Allis-Chalmers Mfg Co, 1200 Pender St, Vancouver, B.C., Canada	MU1-3496
Canada	Allis-Chalmers Mfg Co, 56 Albert St, Winnipeg, Manitoba, Canada	JU9-5373
	ALLISON LABORATORIES INC 11301 E. Ocean Ave, La Habra, Cal	OW1-8115
Ala	Specialized Electronic Corp, 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Ariz	Purvis & Co, 4571 Calle Redonda, Phoenix, Ariz	WH5-7272
Cal	Gerald B Miller Co, 1550 N. Highland Ave, Hollywood 28, Cal	HO2-1195
Cal	Gerald B Miller Co, 1253 Rosecrans Blvd, San Diego 9, Cal	AC2-1121
Cal	Gerald B Miller Co, 1334 Old County Rd, Belmont, Cal	LY1-0365
Colo	Kemco Inc, 6427 E. Kellogg, Wichita, Kan	MU4-8224
Conn	Burlingame Associates, 510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates, 8218 Wisconsin Ave, Washington 14, DC	OL4-6400
DC	Burlington Associates, 8218 Wisconsin Ave, Washington 14, DC	OL4-6400
Fla	Specialized Electronic Corp, 711 Magnolia Ave, Orlando, Fla	GA4-0433
Fla	Specialized Electronic Corp, 1301 Bay Shore Dr, Cocoa Beach, Fla	SU3-2068
Ga	Specialized Electronic Corp, 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Ill	Gordon N Stowe, 1728 Chapel Ct, Northbrook, Ill	RA6-0940
Ind	Gordon N Stowe, 1728 Chapel Ct, Northbrook, Ill	RA6-0940
Kan	Kemco Inc, 6427 E. Kellogg, Wichita, Kan	MU4-8224
Me	Burlingame Associates, 974 Main St, Waltham 54, Mass	TW4-1955
Md	Burlingame Associates, 8218 Wisconsin Ave, Washington 14, DC	OL4-6400
Mass	Burlingame Associates, 974 Main St, Waltham 54, Mass	TW4-1955
Mich	S Sterling Co, 15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Pat Lind Electronics Co, 9781 Western Ave, Circle Pines, Minn	SU4-3827
Miss	Specialized Electronic Corp, 529 N. 18th St, Birmingham, Ala	FA4-1615
Mo	Kemco Inc, 6427 E. Kellogg, Wichita, Kan	MU4-8224
NC	Specialized Electronic Corp, 529 N. 18th St, Birmingham, Ala	FA4-1615
NH	Burlingame Associates, 974 Main St, Waltham 54, Mass	TW4-1955
NJ	Burlingame Associates, 510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Purvis & Co, 4571 Calle Redonda, Phoenix, Ariz	WH5-7272
NY	Burlingame Associates, 510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NC	Specialized Electronic Corp, 529 N. 18th St., P.O. Box 3385, Birmingham, Ala	FA4-1615
ND	Pat Lind Electronics Co, 9781 Western Ave, Circle Pines, Minn	SU4-3827
Ohio	S Sterling Co, 5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Ohio	S Sterling Co, 353 W. 1st St, Dayton 2, Ohio	BA8-8794
Okla	Kemco Inc, 1618 W. Sixth St, Irving, Tex	FL1-5900
Pa	Burlingame Associates, 222 Long Ln, Upper Darby, Pa	SH7-9080
Pa	S Sterling Co, 4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Burlingame Associates, 974 Main St, Waltham 54, Mass	TW4-1955
SC	Specialized Electronic Corp, 529 N. 18th St, Birmingham, Ala	FA4-1615
SD	Pat Lind Electronics Co, 9781 Western Ave, Circle Pines, Minn	SU4-3827
Tex	Kemco Inc, 1618 W. Sixth St, Irving, Tex	FL1-5900
Vt	Burlingame Associates, 974 Main St, Waltham 54, Mass	TW4-1955
Va	Burlingame Associates, 8218 Wisconsin Ave, Washington 14, DC	OL4-6400
Wisc	Pat Lind Electronics Co, 9781 Western Ave, Circle Pines, Minn	SU4-3827
Sweden	John C Lagercrantz, Vartavagen 57, Stockholm, Sweden	
Foreign	Hawinco, Renssenstraat 13, Arnhem, Holland	
Italy	Dott Ing Mario Vianello, Via L. Anelli, 13, Milano, Italy	
India	K Lal Bhakri, P.O. Box 487, New Delhi 1, India	
The Netherlands Belgium & Luxembourg	Hawinco n v, Renssenstraat 13, Arnhem, Holland	
	ALLMETAL SCREW PRODUCTS CO., INC 821 Stewart Ave, Garden City, NY	PI1-1200
Cal	Allmetal Screw Products Co., Inc, 5822 W. Washington Blvd, Culver City, Cal	WE3-9595
Ill	Allmetal Screw Products Co., Inc, 6424 W. Belmont Ave, Chicago 34, Ill	AV2-3232
	ALLOYS UNLIMITED INC. 21-01 43 Ave, Long Island City 1, NY	ST6-4480
	ALL WEATHER ANTENNAS MFG CORP 350 S. Egg Harbor, Hammonton, NJ	LO1-1990
Cal	Sonny Greenberg, 1073 N. Vine St, Los Angeles, Cal	HO2-2453
	ALONGE PRODUCTS INC. 163 W. 23rd St, New York 11, NY	WA4-2815
	ALPAR MFG CORP 220 Demeter St, Palo Alto, Cal	DA6-8105
Ala	Fred Wamble Sales Co, 3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Alaska	Frazar & Hansen Ltd, 301 Clay St, San Francisco, Cal	EX2-5112
Ariz	C H Mitchell Co, 13804 Ventura Blvd, Sherman Oaks, Cal	TR3-4874
Cal	C H Mitchell Co, 13604 Ventura Blvd, Sherman Oaks, Cal	TR3-4874
Colo	Allen I Williams Co, 2263 S. Albion St, Denver, Colo	SK6-9403
Conn	Chester Drexler, 3 Lee Dr, S. Farmingdale, NY	CH9-8155
Del	Charles H Chaney Jr, P.O. Bldg, Flourtown, Pa	CH8-3232
DC	Charles H Chaney Jr, P.O. Bldg, Flourtown, Pa	CH8-3232
Fla	Fred Wamble Sales Co, 3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ga	Fred Wamble Sales Co, 3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Idaho	Allen I Williams Co, 2263 S. Albion St, Denver, Colo	SK6-9403
Ill	Doug Cook & Associates, 3055 N. Meridian St, Indpls 8, Ind	FL9-8155
Ind	Doug Cook & Associates, 3055 N. Meridian St, Indpls 8, Ind	FL9-8155
Kan	Allen I Williams Co, 2263 S. Albion St, Denver, Colo	SK6-9403
Ky	Doug Cook & Associates, 3055 N. Meridian St, Indpls 8, Ind	FL9-8155
Me	Chester Drexler, 3 Lee Dr, S. Farmingdale, NY	CH9-8155
Md	Charles H Chaney Jr, P.O. Bldg, Flourtown, Pa	CH8-3232
Mass	Chester Drexler, 3 Lee Dr, S. Farmingdale, NY	CH9-8155
Mich	Lawrence Zaffina Co, 7351 Gratiot Ave, Detroit 13, Mich	WA1-2885
Miss	Fred Wamble Sales Co, 3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Neb	Allen I Williams Co, 2263 S. Albion St, Denver, Colo	SK6-9403
Nev	C H Mitchell Co, 13804 Ventura Blvd, Sherman Oaks, Cal	TR3-4874
NH	Chester Drexler, 3 Lee Dr, S. Farmingdale, NY	CH9-8155
NJ	Charles H Chaney Jr, P.O. Bldg, Flourtown, Pa	CH8-3232

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Allen I Williams Co	3221 Silver Ave, S.E. Albuquerque, NM	AL5-9632
NY	Chester Drexler	3 Lee Dr, S. Farmingdale, NY	CH9-8155
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Pa	Charles H Chaney Jr	P.O. Blog, Flourtown, Pa	CH8-3232
RI	Chester Drexler	3 Lee Dr, S. Farmingdale, NY	CH9-8155
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Utah	Allen I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Vt	Chester Drexler	3 Lee Dr, S. Farmingdale, NY	CH9-8155
Wyo	Allen I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
	ALPHA INSTRUMENT CO	**43 Hempstead St, New London, Conn**	**GI2-2141**
	ALPHA METALS INC	**600 Water St, Jersey City, NJ**	**HE4-6778**
	ALPHA-MOLYKOTE CORP	**65 Harvard Ave, Stamford, Conn**	**FL3-3724**
Ala	Standard Oil Co (Kentucky)	Louisville, Ky	ME7-1421
Cal	Haskel Engineering & Supply Co	1236 S. Central Ave, Glendale 4, Cal	CH5-6811
Cal	Haskel Engineering & Supply Co	225 11th St, San Francisco 3, Cal	UN3-1489
Fla	Standard Oil Co (Kentucky)	Jacksonville, Fla	EL4-5561
Ga	Standard Oil Co (Kentucky)	Atlanta, Ga	JA3-5011
Ill	R B Dost Inc	2645 W. Peterson Ave, Chicago 45, Ill	LO1-7458
Iowa	Stevenson Sales Co., Inc	Clark St & Indian Rd, Davenport, Iowa	DA6-4477
Kan	Wilco Inc	228 S. Wichita, Wichita 2, Kan	AM5-5648
Ky	Standard Oil Co (Kentucky)	Louisville, KY	ME7-1421
Mich	Penn Petroleum Corp	7131 Westfield Ave, Detroit 4, Mich	TE4-3800
Miss	Standard Oil (Kentucky)	Jackson, Miss	FL5-4781
NY	Great Lakes Sales & Engineering Co	2612 Ridge Rd, W., Rochester, NY	UN5-7957
Ohio	Stevenson Oil & Chemical Co	30130 Lakeland Blvd, Wickliffe, Ohio	WH3-3338
Ore	Wall Western Inc	1717 N.W. 14th Ave, Portland 9, Ore	CA8-6641
Pa	Lanco Engineering Sales Co	33 & Arch St, Philadelphia 4, Pa	EV6-8835
Pa	Penn Petroleum Corp	219 Griffin Ave, Pittsburgh 10, Pa	EV1-3400
Tex	Pan-Tech Engrg & Supply Co	3302 Mercer, Houston 27, Tex	JA6-4623
Wash	Northwestern Lubricants & Supply Co	8403 Greenwood St, Seattle 3, Wash	SU3-2820
Wisc	Larry Hammond Co	1551 N. 35th St, Milwaukee 8, Wisc	DI2-6822
Foreign	Sales Offices Representatives in all Principal Countries		
	ALPHA WIRE CORP	**200 Varick St, New York 14, NY**	**AL5-5400**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 4, Wash	EA3-6117
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Ark	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, Los Angeles 16	WE1-1041
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	Be-Esco Corp	45 S. Broadway, Yonkers, NY	YO3-0150
DC	Be-Esco Corp	45 S. Broadway, Yonkers, NY	YO3-0150
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Hawaii	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Albert H Bruning Co	1758 Lawrence Ave, Chicago 40, Ill	ED4-0989
Ind	Thomas S Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ky	Thomas S Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Ky	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL7-3331
La	The Texport Co	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Be-Esco Corp	45 S. Broadway, Yonkers, NY	
Md	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	Shalco Inc	23525 Woodward Ave, Ferndale 20, Mich	LI7-4771
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Nev	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	Bell & Whitaker Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
NM	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NY	Marsey Sales Co	529 Merchants Rd, Rochester, NY	HU2-4133
NY	Be-Esco Corp	45 S. Broadway, Yonkers, NY	YO3-0150
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Okla	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 4, Wash	EA3-6117
Pa	Bell & Whitaker Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
Pa	Be-Esco Corp	45 S. Broadway, Yonkers, NY	YO3-0150
Pa	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
SD	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Tenn	James Millar Associates	1036 Peachtree St, Atlanta, Ga	TR6-0919
Tex	The Texport Co	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Tex	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Ed Martin Co	1306 Vassar Rd, Richmond 29	AT8-3985
Va	Be-Esco Corp	45 S. Broadway, Yonkers, NY	YO3-0150
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 4	EA3-6117
W. Va	Neal Bear Corp	3433 Streetsboro Rd, W.Richfield, Ohio	OL9-3331
Wisc	Albert H Bruning Co	1758 Lawrence Ave, Chicago 40, Ill	ED4-0989
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	Alpha Aracon Radio Co Ltd	555 Wilson Ave, Downsview, Ont, Canada	ST8-6181
	ALPHADUCT WIRE & CABLE CO	**25 Van Dyke Ave, New Brunswick, NJ**	**CH9-8090**
	ALPINE ELECTRONIC COMP	**Wolcott Rd, Waterbury, Conn**	**PL7-1449**
	ALPITEC INC	**49 Gleason Ave, Stamford, Conn**	**FI8-7788**
	ALTHOR PRODUCTS	**2301 Benson Ave, Brooklyn 14, NY**	**ES3-7444**
	ALTO FONIC CORP	**981 Commercial St, Palo Alto, Cal**	**DA6-5280**
	ALTO SCIENTIFIC CO., INC	**855 Commercial, Palo Alto, Cal**	**DA1-3434**
Ala	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Alaska	Frazar & Hansen, Ltd	301 Clay St, San Francisco, Cal	EX2-5112
Ariz	M B Gilbert Co., Inc	7923 Emerson Ave, L A 45, Cal	DR8-3418

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ark	George Weinreich & Assoc	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Cal	Long & Assoc	505 Middlefield Rd, Redwood City	EM9-3324
Cal	M B Gilbert Co., Inc	7923 Emerson Ave, L A 45, Cal	DR8-3418
Cal	David G DeHaas Co	3651 Garrison St, San Diego 6, Cal	AC4-2401
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	David Sonkin Assoc	10 Fiske Pl, Mt. Vernon, NY	MV8-9809
Conn	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	CE5-5353
Fla	Lynd A Walkling	Box 7156, Miami 55, Fla	CA1-4297
Ga	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Hawaii	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Idaho	N R Schultz & Co	4227 Airpt Way, Seattle 8, Wash	MA4-8650
La	George Weinreich & Assoc	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Me	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	CE5-5353
Mass	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	CE5-5353
Mont	N R Schultz & Co	4227 Airpt Way, Seattle 8, Wash	MA4-8650
Nev	Long & Associates	505 Middlefield Rd, Redwood, Cal	
Nev	M B Gilbert Co., Inc	7923 Emerson Ave, L A 45, Cal	
NH	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	CE5-5353
NJ	David Sonkin Assoc	10 Fiske Pl, Mt. Vernon, NY	MV8-9809
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	David Sonkin Assoc	10 Fiske Pl, Mt. Vernon, NY	MV8-9809
NC	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Okla	C D Daniels Co	Box 8511, Tulsa, Okla	RI7-0234
Ore	N R Schultz & Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
RI	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	
SC	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Tenn	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Tex	George Weinreich & Assoc	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	George J Neuman & Co	104 Pilgrim Rd, Wellesley 81, Mass	CE5-5353
Wash	N R Schultz & Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
	ALUMINUM CO OF AMERICA	**Alcoa Bldg, Pittsburgh 19 Pa**	**AT1-4545**
Ala	Alcoa	P.O. Box 2041, Birmingham 1, Ala	TR9-8641
Ark	Alcoa	414 Pulaski St, Little Rock, Ark	FR6-1466
Cal	Alcoa	1145 Wilshire Blvd, Los Angeles 17, Cal	HU2-2680
Cal	Alcoa	2509 Equitable Life Bldg, San Francisco 4	
Colo	Alcoa	105 Fillmore St, Denver 6, Colo	DU8-1619
Conn	Alcoa	P.O. Box 8180, Bridgeport 1, Conn	FO7-8651
Conn	Alcoa	410 Asylum St, Hartford 3, Conn	JA5-2191
Ga	Alcoa	1615 Peachtree St, N.E., Atlanta 9, Ga	TR6-7441
Idaho	Alcoa	1220 Vista Ave, Boise, Idaho	2-8038
Ill	Alcoa	520 N. Mich Ave, Chicago 11, Ill	DE7-8181
Ind	Alcoa	P.O. Box 365, Newburgh, Ind	VI3-3381
Ind	Alcoa	S. Calhoun St, Fort Wayne, Ind	HA3374
Ind	Alcoa	2939 N. Meridian St, Indianapolis 7, Ind	WA5-6471
Iowa	Alcoa	601 Brady St, Davenport, Iowa	2-6243
Iowa	Alcoa	3620 Ingersoee Ave, Des Moines 12, Iowa	CR4-2966
Ky	Alcoa	Starks Bldg, Louisville, Ky	
Md	Alcoa	Commercial Credit Bldg, Baltimore 2, Md	MU5-3660
Mass	Alcoa	20 Providence St, Park Square, Boston 16	HU2-3650
Mich	Alcoa	New Center Bldg, Detroit 2, Mich	TR1-8100
Mich	Alcoa	Mott Foundation Bldg, Flint 2, Mich	CE2-3111
Mich	Alcoa	Mich National Bank Bldg, Grand Rapids	GL9-0209
Mich	Alcoa	National Bank Bldg, Jackson, Mich	ST4-8535
Mo	Alcoa	Power & Light Bldg, Kansas City 5, Mo	VI2-2822
NY	Alcoa	90 State St, Albany 7, NY	4-0146
NY	Alcoa	2427 Sheridan Dr, Buffalo 5, NY	AT1900
NY	Alcoa	1001 Franklin Ave, Garden City, NY	PI7-5428
NC	Alcoa	Wachovia-Bank Bldg, Charlotte 2, NC	ED4-9751
Ohio	Alcoa	Akron Savings & Loan Bldg, Akron 8	JE5-7138
Ohio	Alcoa	2331 Victory Pkwy, Cincinnati 6, Ohio	CA1-1700
Ohio	Alcoa	Terminal Tower, Cleveland 13, Ohio	CH1-6880
Ohio	Alcoa	Bryson Bldg, Columbus 15, Ohio	CA4-7221
Okla	Alcoa	201 Northtown Arcade, Dayton 5, Ohio	CR7-6531
Pa	Alcoa	1132 Hamilton St, Allentown, Pa	HE3-7462
SD	Alcoa	Western Union Bldg, Aberdeen, SD	BA5-1475
Tenn	Alcoa	Volunteer Bldg, Chattanooga 2, Tenn	AM7-6585
Tex	Alcoa	Thomas Bldg, Dallas 2, Tex	RI1-6291
Tex	Alcoa	1st City National Bank Bldg, Houston 2	CA5-0711
Wash	Alcoa	1411 4th Ave, Seattle 1, Wash	
	ALVAC COMPUTER DIV EL-TRONIC INC	**13040 S. Cerise, Hawthorne, Cal**	**OR8-5774**
	AMATON ELECTRONIC HDWE CO., INC	**88 Drake Ave, New Rochelle, NY**	**BE5-4441**
Ala	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Ariz	Electro-Mechanical Instrument Inc	4976 Eagle Rock Blvd, L A 41, Cal	RY1-4904
Ark	The Gordon V Peck Co	130 Casa-Linda Plaza, Dallas 18, Tex	MO4-1435
Cal	G B Ellis Sales Co	2316 El Camino Real, Mt. View, Cal	YO7-5531
Cal	Electro-Mechanical Instrument Inc	4976 Eagle Rock Blvd, L A 41, Cal	RY1-4904
Colo	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
Conn	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2662
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Ga	Stanley K wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Idaho	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	
Ill	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Ind	Harrison J Blind Assoc	1508 Winton Ave, Indnpls 24, Ind	CH4-0191
Iowa	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Kan	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Ky	Harrison J Blind Assoc	1508 Winton Ave, Indnpls, Ind	CH4-0191
La	The Gordon V Peck Co	130 Casa-Linda Plaza, Dallas 18, Tex	MO4-1435
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2662
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2662
Mich	R S Lohmann Co	12730 Fenkell St, Detroit 27, Mich	UN2-9465
Miss	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Mo	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Mont	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	
Nev	G B Ellis Sales Co	2316 El Cam Real, Mt. View, Cal	YO7-5531
Nev	Electro-Mechanical Instrument Inc	4976 Eagle Rock Blvd, L A 41, Cal	RY1-4904
NH	Near Inc	99 Highland Ave, Somerville, Mass	UN2-9465

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
NJ	The A Friedman Co	519 S. 5 Ave, Mt. Vernon, NY	MO4-4866
NM	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
NY	Electro Mechanical Corp	Town Rock Rd, New Rochelle, NY	BE5-3052
NY	The A Friedman Co	519 S. 5 Ave, Mt. Vernon, NY	MO4-4866
NC	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Ohio	John O Olsen Co	16201 Snaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	The Gordon V Peck Co	130 Casa-Linca Plaza, Dallas 18, Tex	MO4-1435
Ore	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2662
SC	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Tenn	Stanley K Wallace Assoc Inc	Box 67, Lutz, Fla	WE9-3241
Tex	The Gordon V Peck Co	130 Casa-Linda Plaza, Dallas 18, Tex	MO4-1435
Utah	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2662
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	
W.Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wyo	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
Foreign	Douglas Export Import Co	17 Battery Pl, New York 4, NY	BO9-2666
	AMBROID CO	**P.O.Box 20, Weymouth 88, Mass**	**EDS-6658**
	AMCO ENGINEERING CO	**7333 W. Ainslie St, Chicago 31, Ill**	**UN7-8500**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Alaska	Rush S Drake Associates	1817 Norman St, Seattle, Wash	EA3-8545
Ariz	Howe & Howe	4328 N. 42nd Pl, Phoenix, Ariz	AM5-9185
Ark	L R Ward Co	3009 Canton St, Dallas 26, Tex	RI1-9004
Cal	Lee H Owens Co	1102 S. Western Ave, Los Angeles 6	RE5-0203
Cal	Wm J Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
Colo	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Conn	Instrument Dynamics Inc	11 Albion-St, Wakefield, Mass	CR6-5100
Del	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
DC	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
Fla	Wm F Hemminger Co	624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Idaho	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Ill	Lang & Claeson Associates	6733 N. Olmsted St, Chicago 31	SP4-3610
Ill	Norman W Kathrinus Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Ind	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Iowa	Lang & Claeson	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Kan	Norman W Kathrinus Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Ky	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
La	L R Ward Co	3009 Canton St, Dallas 26, Tex	RI1-9004
Me	Instrument Dynamics	11 Albion-St, Wakefield, Mass	CR6-5100
Md	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
Mass	Instrument Dynamics	11 Albion-St, Wakefield, Mass	CR6-5100
Mich	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Minn	Bonament Heyda	6101 Auto Club Rd, Minnpls 20, Minn	TU1-9166
Miss	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Mont	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Neb	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Nev	Wm J Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
NH	Instrument Dynamics	11 Albion St, Wakefield, Mass	CR6-5100
NJ	F & F Associates	15 Dorchester Rd, Emerson, NJ	CO2-4831
NJ	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
NM	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
NY	Tesco Associates	114 Miles Ave, Syracuse 10, NY	HO3-4533
NY	F & F Associates	297 Cherry Pl, E. Meadow, NY	MU7-6477
NC	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
ND	Bonament Heyda	6101 Auto Club Rd, Minnpls 20, Minn	TU1-9166
Ohio	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Okla	L R Ward Co	3009 Canton St, Dallas 26, Tex	RI1-9004
Ore	Rush S Drake Associates	1817 Norman St, Seattle, Wash	EA3-8545
Pa	W F Satterthwaite	Box 664, Haverstown, Pa	SU9-9600
Pa	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
RI	Instrument Dynamics	11 Albion-St, Wakefield, Mass	CR6-5100
SC	W F Satterthwaite	Box 664, Havertown, Pa	SU9-9600
SD	Bonament Heyda	6101 Auto Club Rd, Minnpls 20, Minn	TU1-9166
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tex	L R Ward Co	3009 Canton St, Dallas 26, Tex	RI1-9004
Utah	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Vt	Instrument Dynamics	11 Albion-St, Wakefield, Mass	CR6-5100
Va	W F Satterthwaite	P. O. Box 664, Havertown, Pa	SU9-9600
Wash	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Wisc	Lang & Claeson	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Wyo	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
	AMERAC INC	**Dunham Rd, Beverly, Mass**	**WA2-8611**
Cal	W Bert Knight Co	10377 W. Pico Blvd, Los Angeles	BR2-0101
Cal	Moulthrop & Hunter	165 11th St, San Francisco	UN3-7880
Colo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Gysan Associates	Hamilton-Mass	HA940
Del	Gysan Associates	Hamilton-Mass	HA940
DC	Gysan Associates	Hamilton-Mass	HA940
Ill	Withers & Ropek & Cahill	5439 W. Dvr St, Chicago, Ill	CG7-7292
Me	Gysan Associates	Hamilton-Mass	HA940
Md	Gysan Associates	Hamilton-Mass	HA940
Mass	Gysan Associates	Hamilton-Mass	HA940
NH	Gysan Associates	Hamilton-Mass	HA940
NJ	Gysan Associates	Hamilton-Mass	HA940
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Gysan Associates	Hamilton-Mass	HA940
Pa	Gysan Associates	Hamilton-Mass	HA940
RI	Gysan Associates	Hamilton-Mass	HA940
Wash	Marsh Agencies	2601 First Ave, Seattle, Wash	
	AMERCONDA CHEMICAL CO	**170 Broadway, New York 38, NY**	**CO7-3579**
	AMERELAY CORP THE	**130 County Courthouse Rd, New Hyde Park, NY**	**PI7-2150**
Ala	Emory Design & Equipment Co	P.O. Box 9013, Birmingham 9, Ala	TR1-1369
Cal	Malcom Ross & Co	1623 S. La Cienega Blvd, Los Angeles	BR2-3103
Fla	Emory Design & Equipment Co	P.O. Box 507, Bradenton, Fla	
Ill	R T Mathews & Co	2113 S. Western Ave, Chicago 8, Ill	VI7-7220

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	
Kan	Engineering Services Co	5325 E. Indianapolis St, Wichita, Kan	
Md	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Mich	R G Dailey Co	201 E. Catherine St, Ann Arbor, Mich	NO8-6908
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
NJ	Woodit Associates	82 Washington St, East Orange, NJ	OR3-7959
Ohio	Harry G Lake Co	384 W. First St, Dayton 2, Ohio	BA4-3122
Pa	S Wayne Garrigues	P.O. Box 74, Bala-Cynwyd, Pa	MO4-5646
	AMERICAN ALUMINUM CO	**230 Sheffield St, Mountainside, NJ**	**AD3-3500**
	AMERICAN AVIONICS INC	**2032 Stoner Ave, W. Los Angeles, Cal**	**GR8-0891**
Ariz	Charles A Tuchschmidt	9151 N. 9th Ave,	WI3-5312
DC	John R Halota	910 17th St, N.W., Washington 6, DC	DI7-8708
Fla	Charles L Proctor	P.O. Box-3185, Orlando, Fla	GA5-7603
Ohio	V E Caldwell Jr	216 N. Main St, Dayton 2, Ohio	BA4-5060
Wash	Bruce L Layne	19605 Military Rd, Seattle 88, Wash	TA4-1596
Foreign	Trans-World Trade Inc	450 N. Beverly Dr, Beverly Hills, Cal	CR5-2444
Foreign	Intercontinental Industries Inc	Central P.O. Box 942, Chiyoda (27) 4528/9, Tokyo	
	AMERICAN BOSCH ARMA CORP	**320 Fulton Ave, Hempstead, NY**	**PI2-2000**
Cal	American Bosch Arma Corp	9460 Wilshire Blvd, Beverly Hills,	BR2-4283
Cal	Tele-Dynamics Div	15016 Ventura Blvd, Sherman Oaks,	ST8-1310
Cal	American Bosch Div	300 Shaw-Rd, S. San Francisco,	JU9-5223
Cal	Ensign Carburetor Co	1551 E. Orange Thorpe Ave, Fullerton,	LA6-3391
DC	American Bosch Arma Corp	1000 Connecticut Ave, N.W., Washington,	ST3-1966
Ill	American Bosch Div	37 S. Wabash Ave, Chicago, Ill	DE2-5591
Mass	American Bosch Div	3664 Main St, Springfield, Mass	RE6-8311
Mich	American Bosch Div	17330 W. McNichols Rd, Detroit 35,	BR3-8600
Miss	Amer Bosch Arma Miss Corp	Columbus, Miss	FA4150
NY	Arma Div	Roosevelt Fld, Garden City, NY	PI2-2000
NY	American Bosch Div	123 Power House Rd, Roslyn, NY	MA1-0400
Ohio	American Bosch Arma Corp	349 W. 1st St, Dayton,	BA2-1162
Ohio	American Bosch Div	13311 Enterprise Ave, Cleveland 35,	OR1-7000
Pa	Tele-Dynamics Div	5000 Parkside Ave, Philadelphia 31,	TR8-3000
	AMERICAN BRAZING ALLOYS CORP	**P.O. Box-11, Pelham, N Y**	
	AMERICAN CAPACITOR CO	**32 High St, Amesbery, Mass**	**HO2-4065**
	AMERICAN CHAIN & CABLE CO., INC	**601 Stephenson Bldg, Detroit 2, Mich**	**TR5-4104**
	AMERICAN CYANAMID CO	**30 Rockefeller Plaza, New York 20, NY**	
	AMERICAN CYSTOSCOPE MAKERS INC	**8 Pelham Pkwy, Pelham, NY**	**PE8-4800**
	AMERICAN DEVELOPMENT ELECTRONICS CO	**212 Central Ave, Newark, NJ**	**MI2-2210**
	AMERICAN ELECTRIC CABLE CO	**181 Appleton St, Holyoke, Mass**	**JE9-8893**
Ala	William J Reasor & Associates	2250 Highland Ave, Birmingham, Ala	AL1-1201
Ariz	Associated Manufacturer's Rep Inc	4146 Beverly Blvd, Los Angeles, Cal	DU7-3265
Cal	Associated Manufacturer's Rep Inc	4146 Beverly Blvd, Los Angeles, Cal	DU7-3265
Conn	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Fla	William J Reasor & Associates	134 Bosphorous Ave, Tampa, Fla	8-5486
Ga	William J Reasor & Associates	134 Bosphorous Ave, Tampa, Fla	8-5486
Ill	Industrial Wire & Cable Co	5720 W. Grand Ave, Chicago, Ill	BE7-0321
Md	George A Shelps	P.O. Box 254, Glenside, Pa	TU4-8633
Mass	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Mich	Howkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
Minn	Howkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
NJ	Harold R Williams & Associates	P.O. Box 344, Ridgewood, NJ	GI4-5392
NM	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
NY	Oren G Lanzendorf	513 Cumberland Ave, Syracuse, NY	GR2-4195
NC	William J Reasor & Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Ohio	Milber Co	3498 Boynton Ave, Cleveland 21, Ohio	EV2-6105
Ore	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Pa	George A Shelps	P.O. Box 254, Glenside, Pa	TU4-8633
Wisc	Howkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
Canada	Pesser E-E Ltd	441 St. Francois Xavier St, Montreal 4, Quebec, Can	
Foreign	Magdangal & Co	P.O. Box 1181, Manila, Philippines	
	AMERICAN ELECTRICAL HEATER CO	**6110 Cass Ave, Detroit 2, Mich**	**TR5-2505**
Ala	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Ariz	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
Ark	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Cal	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A 25	CR1-4356
Conn	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
Del	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
DC	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
Fla	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Ga	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Idaho	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
Ill	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Ind	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3521
Iowa	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Kan	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Ky	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3621
La	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Mass	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
Me	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
Md	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
Mich	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3521
Minn	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Miss	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Mo	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Mont	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
Neb	Leonard F Brooks	15 S. School St, Mt. Prospect, Ill	CL3-6813
Nev	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
NH	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
NJ	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
NM	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
NY	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
NY	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
NC	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Ohio	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3621
Ore	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
Pa	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3621
Pa	Evan G Edwards	505 Wellington Rd, Norristown, Pa	BR2-4818
RI	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
Tenn	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Tex	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Utah	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
Vt	B Vincent Benton	152 Willow Ln, Scotia 2, NY	EX9-4718
Va	William P Cronin	3634 Fairmont Dr, New Orleans 22, La	WH5-5068
Wash	O Frederick Nats	2018 1/2 S. Beverly Glen Blvd, L A, Cal	CR1-4356
W.Va	Richard C Oxley	320 N. Almer, Caro, Mich	OS3-3621
Wisc	Leonard F Brooks	15 S. School St, Mt. Propect, Ill	CL3-6813
	AMERICAN ELECTRONICS CO	**178 Herricks Rd, Mineola, NY**	**PI1-5030**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
Ariz	Chas A Hansen	1406 S. Grand Ave, L A, Cal	RI8-6191
Ark	Macrae-Smith Co	Box 19387, Houston 24, Tex	HO5-7780
Cal	Chas A Hansen	1406 S. Grand Ave, L A, Cal	RI8-6191
Cal	Technical Sales Assoc	1485 Bayshore Blvd, San Francisco,	JU4-0093
DC	Howard Golenpaul	Arlington-Towers, Arlington, Va	JA5-5898
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, N. Miami,	PL7-6858
Ga	Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
Ill	Dayton Warner	815 MacArthur St, Chicago Hts,	SK4-0028
Ind	Central Electronic Sales	19303 Fairport, Detroit 5, Mich	LA6-5841
Ky	Central Electronic Sales	19303 Fairport, Detroit 5, Mich	LA6-5841
La	Macrae-Smith Co	Box 19387, Houston 24, Tex	HO5-7780
Md	Howard Golenpaul	Arlington-Towers, Arlington, Va	JA5-5898
Mich	Central Electronic Sales	19303 Fairport, Detroit 5, Mich	LA6-5841
Minn	A J Warner Co	5022-29th Ave, S. Minneapolis 17,	PA9-7371
Miss	Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
Nev	Chas A Hansen	1406 S. Grand Ave, Los Angeles, Cal	RI8-6191
NJ	Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
NY	Don Dodge	301 W. Main St, Waterloo, NY	JE9-9574
NC	Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
ND	A J Warner Co	5022 29th-Ave, S., Minneapolis, Minn	PA9-7371
Ore	Don Kohler	11532 4th-Ave, N.E. Seattle 55, Wash	
Pa	Macrae-Smith Co	P.O. Box 19387, Houston 24, Tex	HO5-7780
Pa	Mike Oberst	1021 Levick St, Philadelphia 11, Pa	PI3-2512
SC	Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
SD	A J Warner Co	5022 29th-Ave, S., Minneapolis, Minn	PA9-7371
Tenn	Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AW2-1573
Tex	Macrae-Smith Co	P.O. Box 19387, Houston 24, Tex	HO5-7780
Va	Howard Golenpaul	Arlington Towers, Arlington, Va	JA5-5898
Wash	Don Kohler	11532 4th Ave, N.E. Seattle 55, Wash	
	AMERICAN ELECTRONICS INC AMERICAN CONCERTONE DIV	**9449 W. Jefferson, Culver City, Cal**	**UP0-7245**
	AMERICAN ELECTRONICS INC DATA SYSTEMS DIV	**10 E. 40th St, New York 16, NY**	**LE2-3494**
Cal	American Electronics Inc	1725 W. 6th St, Los Angeles 17, Cal	
	AMERICAN ELECTRONICS INC ELECTRO-MECHANICAL DIV	**4811 Telegraph Rd, Los Angeles 22, Cal**	**AN9-7551**
Ala	Col-Ins Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Colo	Vinson Associates	Box 8363, University Pk Sta, Denver 10	SU9-2851
Fla	Col-Ins Co., Inc	5728 Preoision Dr, Orlando, Fla	GA2-6197
Ga	Col-Ins Co., Inc	2354 Ewing Rd, Atlanta 19, Ga	CE7-1494
Iowa	George E Harris & Co., Inc	527 Merchants Natl Bank, Cedar Rapids	EM2-6302
Kan	George E Harris & Co., Inc	3241 E. Douglas Ave, Wichita 8, Kan	MU3-9226
Md	Charles O Emrich	29 Briarwood Rd, Baltimore 28, Md	RI7-8343
Mass	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Mich	Service Equipment Electronics Inc	231 Buena Vista Ave, Ann Arbor, Mich	NO3-6022
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	FE9-0707
Mo	George E Harris & Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
Mo	George E Harris & Co., Inc	Lambert Field, Hazelwood, Mo	PE1-6848
NJ	Jack McCoy	300 Broadway, Camden 3, NJ	WO6-1800
NY	David S Launt	P.O. Box-184, Eastwood Sta, Syracuse 6	HE7-8181
NY	M L Spitzer Co	1258 Kenmore Ave, Buffalo 23, NY	DE6163
NY	S Wimpie Associates Inc	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Tex	George E Harris & Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Canada	Aeromotive Engineering Prods	147 Hymus Blvd, Pointe Claire, Que, Can	OX7-0810
Canada	Aeromotive Engineering Prods	1912a Avenue Rd, Toronto 12, Ont, Can	RU3-4288
	AMERICAN ELECTRONICS INC GROUND SUPPORT DIV	**2112 N. Chico Ave, El Monte, Cal**	**CU3-7151**
Va	American Electronics Inc	605 Haycock Rd, Falls Church, Va	JE2-1588
Canada	Aeromotive Engineering Prods	147 Hymus Blvd, Pointe Claire, Que, Can	OX7-0810
Canada	Aeromotive Engineering Prods	1912a Avenue Rd, Toronto 12, Ont, Can	RU3-4288
	AMERICAN ELECTRONICS INC INSTRUMENT DIV	**9503 W. Jefferson, Culver City, Cal**	**TE0-5581**
Ala	Col-Ins Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Cal	Eichom & Metchor	932 Terminal Way, San Carlos, Cal	LY1-7383
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
DC	American Electronics Inc	5209 Albemarle St, Washington, DC	OL4-0807
Fla	Col-Ins Co., Inc	5728 Preoision Dr, Orlando, Fla	GA2-6197
Ga	Col-Ins Co., Inc	2354 Ewing Rd, Atlanta 19, Ga	CE7-1494
Iowa	George E Harris & Co., Inc	527 Merchants Natl Bank, Cedar Rapids	EM2-6302
Kan	George E Harris & Co., Inc	3241 E. Douglas Ave, Wichita 8, Kan	MU3-9226
Md	Charles O Emrich	29 Briarwood Rd, Baltimore 28, Md	RI7-8348
Mass	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Mich	Service Equipment Electronics Inc	231 Buena Vista Ave, Ann Arbor, Mich	NO3-6022
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	FE9-0707
Mo	George E Harris & Co., Inc	Lambert Field, Hazelwood, Mo	PE1-6848
Mo	George E Harris & Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
NJ	Jack McCoy	300 Broadway, Camden, NJ	WO6-1800
NY	S Wimpie Associates Inc	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NY	M L Spitzer Co	1258 Kenmore Ave, Buffalo 23, NY	DE6163
NY	David S Launt	P.O. Box 184, Eastwood Sta, Syracuse 6	HE7-8181
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Tex	George E Harris & Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Canada	Aeromotive Engrg Prods	147 Hymus Blvd, Pointe Claire, Que	OX7-0810
Canada	Aeromotive Engrg Prods	1912a Avenue Rd, Toronto 12, Ont, Can	RU3-4288
	AMERICAN ELECTRONICS INC NUCLEAR DIV	**9459 W. Jefferson, Culver City, Cal**	**UP0-7245**
Ohio	Hobsteller-Soerke	131 N. Ludlow St, Dayton 2, Ohio	BA2-2897
Foreign	C Itoh & Co Ltd	510 W. 6th St, Los Angeles, Cal	MA7-3175
Foreign	Atlas-Werke-AG	Post, MAT-Bu/Lu, Bremen 9, Germany	84031
Foreign	The Roditi International Corp Ltd	12A Golden Square, London, W 1, England	GE1997
	AMERICAN ELECTRONICS INC PRECISION POWER DIV	**9705 Klingerman St, El Monte, Cal**	**CU3-7721**
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Cal	American Electronics Inc	1001 Glendale Blvd, Los Angeles 26, Cal	DU2-8087
Iowa	George E Harris Co., Inc	527 Merchants Natl Bank, Cedar Rapids	EM2-6302
Kan	George E Harris Co., Inc	3241 E. Douglas Ave, Wichita 8, Kan	MU3-9226
Md	Robert L Wilkinson Inc	707 Stevenson Ln, Towson, Md	DR7-7800
Mass	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Mich	Service Equipment Electronics Inc	231 Buena Vista Ave, Ann Arbor, Mich	NO3-6022
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	FE9-0707
Mo	George E Harris Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
Mo	George E Harris Co., Inc	Lambert Field, Hazelwood, Mo	PE1-6848
NJ	John W Richardt Co	Rt 46, Pine Brook, NJ	CA8-0600
NY	M L Spitzer Co	1258 Kenmore Ave, Buffalo 23, NY	DE6163
NY	L L Schley	P.O. Box 214, DeWitt, NY	GI6-1642
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Ohio	Dale W Martin	5899 Huberville Ave, Dayton 19, Ohio	CL3-6175
Tex	George E Harris Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Canada	Aeromotive Engineering Prods	147 Hymus Blvd, Pointe Claire, Que, Can	OX7-0810
Canada	Aeromotive Engineering Prods	1912a Avenue Rd, Toronto 12, Ont, Can	RU3-4288
	AMERICAN ELECTRONICS INC TALLER COOPER DIV	**75 Front St, Brooklyn 1, NY**	**UL8-0500**
	AMERICAN ELECTRONIC LABS	**121 N. 7th St, Philadelphia, Pa**	**WA5-8790**
Ala	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Alaska	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6740
Ariz	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
Cal	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
Cal	Charles W Fowler Co	429 S. Western Ave, Los Angeles, Cal	DU4-7203
Conn	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Del	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
DC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Fla	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Ga	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Hawaii	Picker International Corp	19 S. Broadway, White Plains, NY	WH8-0080
Idaho	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6740
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Me	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Mass	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Minn	Irvin I Aaron & Associates Inc	614 E. Grant St, Minneapolis 4, Minn	
Nev	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
NH	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
NJ	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
NJ	Landfear Enterprises	P.O. Box-68, Nutley, NJ	NO7-2900
NM	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2600
NY	Landfear Enterprises	P.O. Box-68, Nutley, NJ	BR9-2855
NY	J B Lightstone Engineering Reps	515 Comstock Ave, Syracuse, NY	GR5-6704
NC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
ND	Irvin I Aaron & Associates Inc	614 E. Grant St, Minneapolis 4, Minn	
ND	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Ohio	Laurence D Bruno Co	P.O. Box-61, Far Hills Br, Dayton 19	AX3-8703
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6740
Pa	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Pa	Laurence D Bruno Co	P.O. Box-61, Far Hills Br, Dayton 19	AX3-8703
RI	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
SC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
SD	Irvin I Aaron & Associates Inc	614 E. Grant St, Minneapolis 4, Minn	
SD	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Tenn	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tex	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2600
Vt	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Va	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6740
Wisc	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Foreign	Picker International Corp	19 S. Broadway, White Plains, NY	WH8-0080
Canada	Conway Electronic Enterprises	1514 Eglinton Ave, W., Toronto, Ont, Can	RU3-6676
	AMERICAN ELITE INC (Telefunken)	**48-50 34th St, Long Island City, NY**	**ST6-8913**
Cal	E W Brandt Co	1122 Folsom St, San Francisco, Cal	
Cal	Ungar Sales Co	9925 Venice Blvd, Los Angeles, Cal	
Fla	Cartwright & Bean	20100 N.E. 25th Ct, North Miami Beach, Fla	
Ga	Cartwright & Bean	3223 Cains Hill Pl N.W., Atlanta 5, Ga	
Ill	Walter F Marsh	308 N. Scoville Ave, Oak Park, Ill	
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	
Mass	Keene Sales Co	25 Tremont St, Boston 8, Mass	
Mass	Herb Mandell Co	85 Pearl Ave, Revere, Mass	
Mich	Lawrence F Zaffina Co	7351 Gratiot Ave, Detroit, Mich	
Minn	H M Richardson & Co	9 E. 22nd-St, Minneapolis 4, Minn	
NY	Joseph L Heller Associates	139-30 34th Rd, Flushing 54, NY	
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	
Ore	James Neuville Co	10636 N.E. Fargo, Portland, Ore	
Pa	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 19, Pa	
Pa	F P Yarussi	312 Spring Valley Rd, Pittsburgh 16, Pa	
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	
Tex	W R Hays Co	P.O. Box 12204-3416 Rosedale, Dallas, Tex	
	AMERICAN FELDMUEHLE CORP	**11 W. 42 St, New York 36, NY**	**PE6-9751**
	AMERICAN FELT CO	**10 Glenville Rd, Glenville, Conn**	**JE1-8700**
Cal	A B Boyd Co	763 E. 14-St, Los Angeles 21, Cal	RI9-8361
Cal	A B Boyd Co	1235 Howard St, San Francisco 3, Cal	UN1-2850
Ga	Marcus A Cook Jr	305 Techwood Dr, N.W., Atlanta, Ga	JA2-3648-9
Ill	American Felt Co	847 W. Jackson Blvd, Chicago 7, Ill	CA6-4222
Mass	American Felt Co	211 Congress St, Boston 10, Mass	HA6-6158-9-60
Mich	American Felt Co	3000 E. Jefferson Ave, Detroit 7, Mich	LO7-7010-1-2
Mo	Hayne-Surridge Co., Inc	1901 Pine St, St. Louis 3, Mo	CE1-7120-1
NY	American Felt Co	350 Fifth Ave, New York 1, NY	CH4-8768
NY	Elmer T Thaney	82 St. Paul St, Rochester 4, NY	LO2-3162
Ohio	American Felt Co	1845 E. Ninth St, Cleveland 14, Ohio	MA1-0258
Ore	A B Boyd Co	930 S.E. Oak St, Portland 14, Ore	BE5-6649

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	American Felt Co	1024 Lafayette Bldg, Philadelphia 6, Pa	WA5-7899
SC	Louis P Batson	1707 Augusta St, Greenville, SC	CE2-7691
Tex	David Lowman	3209 McKinney St, Dallas 2, Tex	RI2-7928
Wash	A B Bovd Co	418 Boren N., Seattle 9, Wash	MA2-6545
Canada	E F Walter Ltd	8225 Labarre St, Montreal 9, Canada	
	AMERICAN GAS FURNACE CO	**130 Spring St, Elizabeth, NJ**	**EL2-2120**
	AMERICAN GELOSO ELECTRONICS	**251 Park Ave, S., New York, NY**	**AL4-2282**
Ala	Fred Wamble Sales Co	3876 Sherwood Dr, Montgomery 9,	AM2-1573
Alaska	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
Cal	Eddie Colman & Assoc	1503 S. Maple, Los Angeles,	RI9-6591
Cal	B L Cahn Sales Co	823 Lake St, San Francisco 11,	BA1-5923
Conn	Robert S Reiss Assoc	70 Jessie Dr, W Haven, Conn	WE4-5261
Del	E L Park	551 Paddock Rd, Southampton, Pa	EL7-7805
DC	J F Anderson	300 Belle View Blvd, Alexandria, Va	SO8-7153
Fla	Winfield Electronic Sales	666 N.E. 125th St, N. Miami, Fla	PL1-5566
Ga	Fred Wamble Sales Co	3876 Sherwood, Montgomery 9, Ala	AM2-1573
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua Hawaii	
Idaho	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
Ill	William Piller	515 Hibbard Rd, Wilmette, Ill	AL1-7681
Iowa	Kinnick Co	222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Kan	Kinnick Co	222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Me	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
Md	J F Anderson	300 Belle View Blvd, Alexandria, Va	SO8-7153
Mass	Robert S Reiss Assoc	70 Jessie Dr, W. Haven, Conn	WE4-5261
Minn	Wm Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Miss	Fred Wamble Sales Co	3876 Sherwood, Montgomery 9, Ala	AM2-1573
Mo	Kinnick Co	222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Neb	Kinnick Co	222 Olympia Dr St. Louis 21, Mo	JA1-4877
Nev	Eddie Colman & Assoc	1503 S. Maple, L. A. Cal	RI9-6591
Nev	B L Cahn Sales Co	823 Lake St, San Francisco 11, Cal	BA1-5923
NH	Robert S Reiss Assoc	70 Jessie Dr, W. Haven, Conn	WE4-5261
NJ	E L Park	551 Paddock Rd, Southampton, Pa	EL7-7805
NJ	Steve Fisher Sales Co	800 Greenwood Ave, Brooklyn 19, NY	CH7-5825
NY	Steve Fisher Sales Co	800 Greenwood Ave, Brooklyn 19, NY	CH7-5825
NC	Fred Wamble Sales Co	3876 Sherwood, Montgomery, Ala	AM2-1573
ND	William Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Ohio	Jim Chincote Sales Co	636 Nassiewood Ave, Toledo 10,	OH1-3826
Ore	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Pa	E L Park	551 Paddock Rd, Southampton, Pa	EL7-7805
RI	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
SC	Fred Wamble Sales Co	3876 Sherwood, Montgomery, Ala	AM2-1573
SD	William Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Tenn	Fred Wamble Sales Co	3876 Sherwood, Montgomery, Ala	AM2-1573
Vt	Robert S Reiss Assoc	70 Jessie Dr, W. Haven, Conn	WE4-5261
Va	J F Anderson	300 Belle View Blvd, Alexandria, Va	SO8-7153
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Wisc	Wm Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Wisc	William Piller	515 Hibbard Rd, Wilmette Ill	AL1-7681
Canada	Can Geloso Electronics Ltd	700 Western Rd, Toronto 9, Ontario, Can	RC2-7535
Canada	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Foreign	Supplee Int Co	919 Lisbon St, Coral Gables, Fla	MO7-4993
Foreign	Halman S A	Espana No 1 Apartado 617, Panama	
	AMERICAN HYDROMATH CORP.	**34-20 Jackson Ave, LIC, 1, NY**	**EX3-4242**
	AMERICAN INSTRUMENT CO., INC	**8030 Georgia Ave, Silver, Spring, Md**	**JU9-1727**
	AMERICAN LATEX FIBRE CORP	**500 N. Broadway, Lawrence, Mass**	**MU5-5172**
	AMERICAN LAVA CORP.	**Chattanooga 5, Tenn**	**AM5-3411**
Cal	American Lava Corp	6023 S. Garfield Ave, Los Angeles 22,	RA3-6641
Cal	American Lava Corp	320 Shaw Rd, S. San Francisco,	PL6-0800
Ill	American Lava Corp	6850 S. Harlem Ave, Bedford Park,	GL6-2200
Mass	American Lava Corp	1330 Centre St, Newton Centre 59,	DE2-9810
Mich	American Lava Corp	2253 Shawnee Trail, Okemos, Mich	ED2-8757
Minn	American Lava Corp	367 Grove St, St. Paul, Minn	PR6-8511
Mo	American Lava Corp	10725 Baur Blvd, St. Louis,	WY1-1320
NJ	American Lava Corp	700 Grand Ave, Ridgefield, NJ	OX5-5520
NY	American Lava Corp	R F D 3, Tramansburg, NY	
Ohio	American Lava Corp	12200 Brookpark Ave, Cleveland,	CL2-4300
Pa	American Lava Corp	5698 Rising Sun Ave, Phila, Pa	PI2-0200
Tex	American Lava Corp	2121 Santa Anna Ave, Dallas,	DA7-7311
Wash	American Lava Corp	3663 First Ave, S., Seattle,	MU5550
Canada	Ian M Haldane & Co	P.O. Box 54, London, Ontario, Canada	
Foreign	M M & M Co Int'l Div	99 Park Ave, New York, NY	
	AMERICAN LEONIC MFG CO.	**3001 Walnut St, Philadelphia 4, Pa**	**BA2-4452**
	AMERICAN MACHINE & FOUNDRY CO	**1025 N. Royal St, Alexandria, Va**	**KI8-7221**
Ala	Bill Henry Associates	1239 New Castle Dr, Orlando, Fla	GA4-2076
Ark	Engineering Assoc Inc	Box 886, Ft. Worth, Tex	WA3-7386
Cal	Roland Olander & Co	6313 Santa Monica Blvd, Los Angeles 38,	HO9-6313
Conn	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
DC	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Fla	Bill Henry Associates	1239 New Castle Dr, Orlando, Fla	GA4-2076
Ga	Bill Henry Associates	Box 6073, Charlotte 7, NC	FR5-8958
Idaho	Technical Sales Co	1731 First Ave, S., Seattle, Wash	SE5-532
Ill	Burt Anderson & Assoc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Ind	Burt Anderson & Assoc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Kan	Gordon Fixman Engrg Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
La	Engineering Assoc Inc	Box 886, Ft. Worth, Tex	WA3-7386
Me	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
Md	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Mass	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
Mo	Gordon Fixman Engrg Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Mont	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	SE5-532
Nev	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal	HO9-6313
NH	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
NY	Cooper-Simon & Co., Inc	400 E. 79th St, New York 21, NY	LE5-2900
NC	Bill Henry Associates	Box 6073, Charlotte 7, NC	FR5-8958
Okla	Engineering Assoc Inc	Box 886, Ft. Worth, Tex	WA3-7386
Ore	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	SE5-532
RI	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
SC	Bill Henry Associates	Box 6073, Charlotte 7, NC	FR5-8958
Tenn	Bill Henry Associates	Box 6073, Charlotte 7, NC	FR5-8958
Tex	Engineering Assoc Inc	Box 886, Ft. Worth, Tex	WA3-7386
Vt	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
Va	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Va	Bill Henry Associates	Box 6073, Charlotte 7, NC	FR5-8958
Wash	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	SE5-532
Wisc	Burt Anderson & Assoc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
	AMERICAN MACHINE & FOUNDRY CO GOVERNMENT PRODUCTS GROUP	**1701 K St, N.W., Washington 6, DC**	**ME8-6905**
	AMERICAN-MARIETTA CO	**3400 13th Ave, S.W., Seattle 4, Wash**	**MA3-3311**
Ohio	American-Marietta Co	42 S. 3rd St, Newark, Ohio	FA4-0861
	AMERICAN MEASUREMENT & CONTROL INC	**240 Calvary St, Waltham 54, Mass**	**TW4-6212**
	AMERICAN METAL CLIMAX INC.	**1270 Ave of the Americas, New York, NY**	**PL9-9700**
Cal	American Metal Co Ltd of Cal	609 S. Grand Ave, Los Angeles 17,	MA4-3421
Ill	American Metal Climax Inc	1 N. LaSalle St, Chicago 2,	ST2-0980
Mich	American Metal Co Ltd of Mich	4172 Penobscot Bldg, Detroit,	WO2-5430
	AMERICAN MICA INSULATION CO.	**235 Parker Ave, Nanuquan, NJ**	**CA3-3100**
	AMERICAN MICROPHONE MFG CO DIV G-C TEXTRON INC	**400 S. Wyman St, Rockford, Ill**	**WO8-9661**
Ala	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Ariz	Koessler Sales Co	818 N. Fairfax Ave, L A 46, Cal	OL3-1605
Ark	Hal F Corry Co	6315 Hillcrest Ave, Dallas 5, Tex	LA8-9172
Cal	Koessler Sales Co	818 N. Fairfax Ave, L A 46, Cal	OL3-1605
Colo	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Conn	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Del	Gene Rosen Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
DC	Gene Rosen Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
Fla	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Ga	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Hawaii	Jim Hastin	P.O. Box 2098, Honolulu 5, Hawaii	511-755
Idaho	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Ill	A H Brunning Co	1758 N. Lawrence Ave, Chicago 40, Ill	EO4-0989
Ill	Herbert W Knaggs Co	7305 Melba Ln, Belleville, Ill	EX7-2398
Ind	Burt Hornsher	2018 Jessie Ave, Ft. Wayne, Ind	EA4920
Iowa	Herbert W Knaggs Co	7305 Melba Ln, Belleville, Ill	EX7-2398
Kan	Herbert W Knaggs Co	7305 Melba Ln, Belleville, Ill	EX7-2398
Ky	Burt Hornsher	2018 Jessie Ave, Ft. Wayne, Ind	EA4920
La	Hal F Corry Co	6315 Hillcrest Ave, Dallas 5, Tex	LA8-9172
Me	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Md	Gene Rosen & Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
Mass	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Minn	Stanley I Clothier Co	12 W. 58th St, Minneapolis, Minn	TA5-1234
Miss	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Mo	Herbert W Knaggs Co	7305 Melba Ln, Belleville, Ill	EX7-2398
Mont	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Neb	Herbert W Knaggs Co	7305 Melba Ln, Belleville, Ill	EX7-2398
Nev	Koessler Sales Co	818 N. Fairfax Ave, L A 46, Cal	OL3-1605
NH	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NJ	Gene Rosen Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
NM	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	MO3543
NC	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
ND	Stanley L Clothier Co	12 W. 58th St, Minneapolis, Minn	TA5-1234
Ohio	Robert W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Okla	Hal F Corry Co	6315 Hillcrest Ave, Dallas 5, Tex	LA8-9172
Pa	Gene Rosen Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
Pa	Robert W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
RI	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
SC	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
SD	Stanley L Clothier Co	12 W. 58th St, Minneapolis, Minn	TA5-1234
Tenn	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Tex	Hal F Corry Co	6315 Hillcrest Ave, Dallas 5, Tex	LA8-9172
Utah	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Vt	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Va	Gene Rosen Associates Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
W. Va	Robert W. Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Wisc	Stanley L Clothier Co	12 W. 58th St, Minneapolis, Minn	TA5-1234
Wisc	A H Brunning Co	1758 W. Lawrence Ave, Chicago 40, Ill	EO4-0989
Wyo	Stan Clupnf & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
	AMERICAN MISSILE PRODUCTS CO., INC.	**15233 Grevillea Ave, Lawndale, Cal**	**OR8-5001**
Cal	Scott Miller	711 Torento Dr, San Diego, Cal	AC2-3717
Utah	Missile Accessories Corp	158 S. 3rd E., Salt Lake City, Utah	DA8-0329
	AMERICAN MOLDED PRODUCTS CO	**2727 W. Chicago Ave, Chicago 22, Ill**	**AR6-3235**
Ala	Tom S Stone	Box 1361, Knoxville, Tenn	8-1969
Ariz	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	SY9-7055
Ark	Tom S Stone	P.O. Box 1361, Knoxville, Tenn	8-1969
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	SY9-7055
Conn	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
Del	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
Ga	Tom S Stone	Box 1361, Knoxville 1, Tenn	8-1969
Ind	H J Blind & Assoc Inc	5762 Cadillac Dr, Indianapolis 24, Ind	CH1-9772
Ky	H J Blind & Assoc Inc	5762 Cadillac Dr, Indianapolis 24, Ind	CH1-9772
Me	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
Md	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
Mass	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
Mich	Lloyd George	40958 Mellott Dr, Novi, Mich	GR4-1505
Minn	Carl J Lenmark	610 Plymouth Bldg, Minneapolis, Minn	FE3-6666
Miss	T S Stone	Box 1361, Knoxville 1, Tenn	8-1969
Nev	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	SY9-7055
NH	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
NJ	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
NY	Mel Schwartz Co	39-16 Tierney Pl, Fair Lawn, NJ	SW7-3435
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse 4,	GR8-2141
NC	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
Ohio	Andrew Sallade	3683 River Rd, Toledo 14, Ohio	CH1-1141
Okla	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Ore	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	SY9-7055
Pa	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
RI	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
Tenn	T S Stone	Box 1361, Knoxville 1, Tenn	8-1969
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Vt	Sheridan Sales Co	133 Torrington Hights Rd, Torrington, Conn	HU2-1680
Va	Shelmar Electronics Co	Box 254, Glenside, Pa	KI6-1066
Wash	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	SY9-7055
Wisc	E A Dickinson & Assoc	4117 N. Green Bay Ave, Milwaukee 9,	CO4-1080
Canada	Paisley Prods of Can Ltd	36 Upton Rd, Scarboro, Ontario, Canada	PL5-2216
	AMERICAN MOLDING POWDER & CHEMICAL CORP.	**703 Bedford Ave, Brooklyn 6, NY**	**MA5-7450**
	AMERICAN MONARCH CORP	**2801 37 Ave, Minneapolis 18, Minn**	**ST1-3391**
Ill	Lee Falkenberg	6835 W Higgins Rd, Chicago, Ill	RO3-1844
NY	Paul Aaron	Pt. Washington Blvd, Pt. Wash, NY	PO7-8480
Pa	Schumacher Associates	1209 York Rd, Abington, Pa	TU4-7808
	AMERICAN OPTICAL CO INSTRUMENT DIV	**Buffalo 15, NY**	
	AMERICAN PRINTED CIRCUITS CO., INC	**Forrest St, Metuchen, NJ**	**LI8-5777**
	AMERICAN PRODUCTS MFG CO., INC	**8127-33 Oleander St, New Orleans 18, La**	
	AMERICAN RADAR COMPONENTS INC	**415 E. Main St, Denville, NJ**	**OA7-5530**
	AMERICAN RADIO CO., INC	**445 Park Ave, New York 22, NY**	**PL3-5946**
	AMERICAN RECTIFIER CORP	**95 Lafayette St, New York 13, NY**	**WO6-3350**
	AMERICAN RESEARCH CORP.	**Rt. 6 & New Britain Ave, Farmington, Conn**	**OR7-2693**
	AMERICAN RESEARCH LAB	**336 S. Main St, Ft. Atkinson, Wisc**	**JO3-4865**
	AMERICAN RESEARCH & MFG CO	**920 Halpine Ave, Rockville, Md**	**HA7-7116**
	AMERICAN SCREW CO	**Willimantic, Conn**	**HA 3-6331**
Cal	Clarence F Hermann Co	420 S. San Pedro St, Los Angeles 13	MA7-1684
Cal	David Winstlow Co	25 California St, San Francisco 11	YU2-8644
Colo	P W Sheppard & Associates	1219 California St, Denver 4, Colo	AL5-2066
Conn	Donald Nolan	Pinewood Ln, Mansfield Center, Conn	HA3-6755
Ga	Douglas C Cravens	2050 Dunwoody St, N.E., Atlanta 17, Ga	DR3-8239
Ill	William Klages	815 Wilson St, Chicago 40, Ill	SU4-9777
Ill	W G Lindquist	4940 Coyle Ave, Skokie, Ill	OR3-7918
Mass	W P Kenney	Kenney Rd, Raynham Center, Mass	VA4-5638
Mich	Walter Gibbs	252 Lewiston Rd, Grosse Pointe Farms	TU5-6284
Mich	Charles M Courser	1811 Silver Ave, S.W., Grand Rapids 7	GL2-5481
Minn	L F Thomoson	5917 Halifax Ave, S., Minneapolis 24	WA2-3224
Mo	Jim M Harris Jr	929 Jefferson St, Kansas City, Mo	GR1-2929
NJ	Harry Crowther	27 Highland Rd, Montvale, N J	PR6-1705
NY	Thomas J Murphy	106 Haddonfield Dr, DeWitt, NY	GI6-3838
NY	John W Ruhle	379 E. 159th St, Bronx 51, NY	ME5-0192
NY	Dudley Onderdonk Jr	11 Webster Rd, Lakewood, NY	LA8581
Ohio	Richard E Riker	3847 Haney Rd, Dayton 5, Ohio	CR5-6815
Pa	E J Creamer	381 Warren Dr, Wayne, Pa	MU8-0670
Wash	Ralston Cunningham Associates Inc	71 Columbia St, Seattle 4, Wash	MA2-2341
	AMERICAN SILVER CO., INC	**36-07 Prince St, Flushing 54, NY**	**FL3-8012**
Ala	G E Richter Sales Agency	930 Chatta Bk Bldg, Chattanooga, Tenn	
Del	Arthur R Diamond	259 W. Johnson St, Philadelphia, Pa	
Ga	G E Richter Sales Agency	930 Chatta Bk Bldg, Chattanooga, Tenn	
Mich	C J Bauer	1697 Brockway St, Saginaw, Mich	
Minn	Abbott Metals Co	160 Griggs Midway Bldg, St. Paul, Minn	
Miss	G E Richter Sales Agency	930 Chatta Bk Bldg, Chattanooga, Tenn	
NJ	Arthur R Diamond	259 W. Johnson St, Philadelphia 44, Pa	
NY	Metallic Operations Inc	Warsaw, NY	
Ore	Aero Marc Co	95 Tobin Ave, Renton, Wash	
Pa	Arthur R Diamond	259 W. Johnson St, Philadelphia 44, Pa	
Tenn	G E Richter Sales Agency	930 Chatta Bk Bldg, Chattanooga	
Wash	Aero Marc Co	95 Tobin Ave, Renton, Wash	
Wisc	Wire & Sintered Products Inc	4477 N. Farwell Ave, Milwaukee, Wisc	
	AMERICAN SMELTING & REFINING CO	**120 Broadway, New York, NY**	**RE2-9500**
Ala	P C McMillan	416 Dalton Dr, Birmingham, Ala	FA2-1802
Md	A A Hochrein	Highland & Eastbourne, Baltimore 24, Md	OR5-2400
Mass	D H Wheeler	20 Providence St, Boston 16, Mass	LI2-0797
Mich	R H Ebersole	7430 2nd Blvd, Detroit 2, Mich	TR1-9040
Minn	C P Luckie	8916 S. Columbus Ave, Bloomington, Minn	TU1-4109
Mo	C R Kenner	P.O. Box 268, Alton, Ill	AL5-2511
NY	T B DeStefani	335 E. Main St, Rochester 4, NY	
Ohio	B J Lippert	1903 Carew Tower, Cincinnati, Ohio	CH1-1678
Ohio	A J Mackan	1422 Euclid Ave, Cleveland, Ohio	PR1-2175
Pa	S A Schilling	Suburban Sta Bldg, Philadelphia 3, Pa	LO7-5129
Wisc	L C Herlinger	4608 W. Burleigh St, Milwaukee, Wisc	HI5-7430
	AMERICAN SOLDER & FLUX CO.	**19th & Willard Sts, Philadelphia 40, Pa**	**BA6-1800**
	AMERICAN SPEEDLIGHT CORP	**63-01 Metropolitan, Middle Village 79, NY**	**EM6-3900**
	AMERICAN STANDARD INDUSTRIAL DIV	**Detroit 32, Mich**	**WE3-9665**
Ala	American-Standard Industrial Div	2201 Highland Ave S., Birmingham, Ala	FA3-8786
Ariz	American-Standard Industrial Div	132 S. Central Ave, Phoenix, Ariz	AL2-4641
Ark	T J O'Brien Engineering Co	915 W. Second St, Little Rock, Ark	FR6-1068
Cal	American-Standard Industrial Div	816 W. Fifth St, Los Angeles 17, Cal	MA4-3871
Cal	American-Standard Industrial Div	821 Market St, San Francisco 3, Cal	EX7-6707
Colo	American-Standard Industrial Div	2475 W. 26th Ave, Denver 11, Colo	GE3-6827
Conn	American-Standard Industrial Div	2315 Whitney Ave, New Haven 18, Conn	CH8-6325
DC	American-Standard Industrial Div	7720 Wisconsin Ave, Washington 14, DC	OL4-5223
Fla	American-Standard Industrial Div	220 Miracle Mile, Miami 34, Fla	HI8-2297
Ga	American-Standard Industrial Div	3224 Peachtree Rd, Atlanta 5, Ga	CE7-8604
Ill	American-Standard Industrial Div	228 N. LaSalle St, Chicago 1, Ill	FI6-2531
Ill	American-Standard Industrial Div	3100 N. Knoxville Ave, Peoria, Ill	8-6637
Ill	American-Standard Industrial Div	P.O. Box 118, Moline, Ill	MO4-5608
Ind	American-Standard Industrial Div	1019 Arch & Elders Bldg, Indianapolis	ME4-1353
Iowa	American-Standard Industrial Div	404A Shops Bldg, Des Moines 9, Iowa	CH4-2711
Kan	American-Standard Industrial Div	211 Davidson Bldg, Wichita, Kan	AM7-9943
Ky	American-Standard Industrial Div	1622 Heyburn Bldg, Louisville 2, Ky	JU4-7109
La	Walter Cooke	816 Howard Ave, New Orleans 12, La	TU7105
Me	American-Standard Industrial Div	553 Congress St, Portland, Me	SP2-5457
Md	American-Standard Industrial Div	1800 N. Charles St, Baltimore 1, Md	PL2-6515
Mass	American-Standard Industrial Div	51 Winchester St, Newton Highlands 61	WO9-9100
Mich	American-Standard Industrial Div	632 Fisher Bldg, Detroit 2, Mich	TR2-4300
Minn	American-Standard Industrial Div	610 Longyear Bldg, Minneapolis 2, Minn	FE9-9181

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	American-Standard Industrial Div	1710 Railway Exchange Bldg, St. Louis 1, Mo	GA1-1208
Mont	G M Wallace & Co	P.O. Box 208, Butte, Mont	2-8391
Neb	American-Standard Industrial Div	305 Patterson Bldg, Omaha 2, Neb	AT7464
NJ	American-Standard Industrial Div	1060 Broad St, Newark 2, NJ	MA2-3719
NM	American-Standard Industrial Div	142 Monroe, N.E., Albuquerque, NM	AM8-1471
NY	American-Standard Industrial Div	39 W. 39th St, New York 18, NY	PE6-9170
NY	American-Standard Industrial Div	1807 Elmwood Ave, Buffalo 7, NY	RI9901
NY	American-Standard Industrial Div	407 Syracuse-Kemper Bldg, Syracuse	GR1-2169
NC	American-Standard Industrial Div	1314 E. Fourth St, Charlotte 4, NC	ED2-3148
Ohio	American-Standard Industrial Div	1010 Euclid Ave, Cleveland 15, Ohio	MA1-6846
Ohio	American-Standard Industrial Div	1216 E. McMillan St, Cincinnati 6, Ohio	PL1-6262
Ohio	American-Standard Industrial Div	2591 N. High St, Columbus 2, Ohio	AM8-4140
Okla	American-Standard Industrial Div	519 Leonhardt Bldg, Oklahoma City 2	CE5-1593
Ore	American-Standard Industrial Div	921 S.W. Washington St, Portland	
Pa	American-Standard Industrial Div	1617 Penna Blvd, Phila 3	LO3-8873
Pa	American-Standard Industrial Div	441 Oliver Bldg, Pittsburgh 22, Pa	AT1-3496
Pa	American-Standard Industrial Div	Medical Arts Bldg, Reading, Pa	FR6-3901
SC	American-Standard Industrial Div	Conway Bldg, Greenville, SC	CE9-5361
Tenn	American-Standard Industrial Div	1301 Hannah Ave, N.W., Knoxville 19, Tenn	4-1668
Tex	American-Standard Industrial Div	1213 Texas Bank Bldg, Dallas 2, Tex	RI7-1879
Utah	American-Standard Industrial Div	458 S. Third E., Salt Lake City, Utah	DA2-1015
Va	American-Standard Industrial Div	2317 W. Broad St, Richmond 20, Va	EL9-5795
Wash	R D Morse Co	1305 Republican St, Seattle 9, Wash	MA4-4328
W. Va	American-Standard Industrial Div	1029 Virginia St, E., Charleston 23, W.Va	DI6-1331
Wisc	American-Standard Industrial Div	8531 W. Capitol Dr, Milwaukee 22, Wisc	HO4-6550
Foreign	Amer Radiator & Std Sanitary Corp	40 W. 40th St, New York 18, NY	OX5-5600
	AMERICAN STEEL & WIRE DIV USS	**Rockefeller Bldg, Cleveland 13, Ohio**	**TO1-2000**
Ala	Tenn Coal & Iron Div USS	P.O. Box 599, Fairfield, Ala	ST5-8011
Alaska	U S Steel Export Co	100 Church St, New York 8, NY	CO7-7474
Ariz	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
Ark	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Cal	Columbia-Geneva Steel Div USS	120 Montgomery St, San Francisco, Cal	SU1-2500
Colo	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Conn	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Del	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
DC	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Fla	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Ga	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Hawaii	U S Steel Export Co	100 Church St, New York 8, NY	CO7-7474
Idaho	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
Ill	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	CE6-9200
Ind	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Iowa	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Kan	American Steel & Wire Div USS	208 LaSalle St, Chicago 90, Ill	
La	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Me	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Md	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Mass	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Minn	American Steel & Wire Div USS	208 LaSalle St, Chicago 90, Ill	
Miss	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Mo	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Mont	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Neb	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Nev	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
NH	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
NJ	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
NM	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
NY	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
NC	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
ND	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Okla	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Ore	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
RI	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
SC	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
SD	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Tenn	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Tex	Tenn Coal & Iron Div USS	Box 599, Fairfield, Ala	ST5-8011
Utah	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
Vt	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Va	American Steel & Wire Div USS	71 Broadway, New York 6, NY	DI4-9000
Wash	Columbia-Geneva Steel Div USS	120 Montgomery, San Francisco, Cal	SU1-2500
Wisc	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Wyo	American Steel & Wire Div USS	208 S. LaSalle St, Chicago 90, Ill	
Foreign	U S Steel Export Co	100 Church St, New York 8, NY	CO7-7474
	AMERICAN SUPER-TEMPERATURE WIRES INC	**8 W. Canal St, Winooski, Vt**	**UN2-9636**
Ala	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
Ariz	Service Cable & Wire Inc	2051 Pontius Ave, L A, Cal	GR8-0313
Cal	Service Cable & Wire Inc	2051 Pontius Ave, L A, Cal	GR8-0313
Colo	Service Cable & Wire Inc	2051 Pontius Ave, L A, Cal	GR8-0313
Conn	Chapman & Wyman Inc	Box 255, Weston 93, Mass	TW4-1919
Del	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
DC	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
Fla	Edw Raymund & Assoc	Box 8215, Madeira Beach, Fla	7-6126
Ga	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
Idaho	E F Reiber Co	Box 1621, Seattle 55, Wash	EM2-0745
Ill	E G Kostal & Assoc	6272 W. North Ave, Chicago 38, Ill	TU9-1521
Ind	E G Kostal & Assoc	6272 W. North Ave, Chicago 38, Ill	TU9-1521
Iowa	SKB Co Inc	2810 - 22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Kan	Ray Deane	10825 McGee, Kansas City, Mo	PL3-1133
Ky	Walter J Brauer & Assoc	15631 Lakewood Hgts, Cleveland, Ohio	AL1-7268
Me	Chapman & Wyman Inc	Box 255, Weston 93, Mass	TW4-1919
Md	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
Mass	Chapman & Wyman Inc	Box 255, Weston 93, Mass	TW4-1919
Mich	Weed & Smith	975 Hunter Blvd, Birmingham, Mich	JO6-7957
Mich	E G Kostal & Assoc	6272 W. North Ave, Chicago 38, Ill	TU9-1521
Minn	SKB Co Inc	2810-22nd Ave, S., Minneapolis 7,	PA2-1226
Mo	Ray Deane	10825 McGee, Kansas City 14, Mo	PL3-1133
Mont	E F Reiber Co	Box 1621, Seattle 55, Wash	EM2-0745
Neb	Ray Deane	10825 McGee, Kansas City 14, Mo	PL3-1133
Nev	Service Cable & Wire Inc	2051 Pontius Ave, L A 25, Cal	GR8-0313
NH	Chapman & Wyman Inc	Box 255, Weston 93, Mass	TW4-1919
NJ	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
NM	Service Cable & Wire Inc	2051 Pontius Ave, L A 25, Cal	GR8-0313
NY	Fowler Beach Corp	3700 East Ave, Rochester 18, NY	LU6-0468
NY	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
NC	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
ND	SKB Co Inc	2810-22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Ohio	Weed & Smith	975 Hunter Blvd, Birmingham, Mich	JO6-7957
Ohio	Walter J Brauer & Assoc	15631 Lakewood Hgts Blvd, Cleveland 7,	LA1-7268
Okla	Allied Components Inc	Box 10203, Dallas, Tex	RI2-2830
Ore	E F Reiber Co	Box 1621, Seattle 55, Wash	EM2-0745
Pa	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
Pa	Walter J Brauer & Assoc	15631 Lakewood Hgts, Cleveland 7, Ohio	LA1-7268
RI	Chapman & Wyman Inc	Box 255, Weston 93, Mass	TW4-1919
SC	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
SD	SKB Co Inc	2810-22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Tenn	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
Tex	Geophysical Supply Co	1500 Crawford, Houston, Tex	CA4-0621
Tex	Allied Components Inc	Box 10203, Dallas, Tex	RI2-2830
Utah	Service Cable & Wire Inc	2051 Pontius Ave, L A 25, Cal	GR8-0313
Va	F O Hoyt Co	195 Nassau St, Princeton, NJ	WA4-4450
Va	K O Brown Co	Box 1791, Greensboro, NC	BR3-5973
Wash	E F Reiber Co	Box 1621, Seattle 55, Wash	EM2-0745
Wisc	E G Kostal & Assoc	6272 W. North Ave, Chicago 38, Ill	TU9-1521
Wisc	SKB Co Inc	2810- 22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Wyo	E F Reiber Co	Box 1621, Seattle 55, Wash	EM2-0745
	AMERICAN TELEVISION & RADIO CO	**300 E. 4th St, St. Paul 1, Minn**	**CA2-3791**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Alaska	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AL6470
Ariz	Frank A Emmet Co	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3721
Ark	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Cal	Frank A Emmet Co	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3721
Cal	Logan Sales Co	154 8th St, San Francisco, Cal	HE1-0692
Colo	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Conn	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Hawaii	Gene Piety Factors Ltd	2030 Home Rule St, Honolulu, Hawaii	83105
Idaho	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Ill	Gettleman & Litteken	5209 N. Kimball Ave, Chicago, Ill	JU8-0030
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago, Ill	JU8-0905
Ind	Burton F Homsher	2018 Jessie Ave, Ft. Wayne, Ind	EA4920
Iowa	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Kan	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Ky	Burton F Homsher	2018 Jessie Ave, Ft. Wayne, Ind	EA4920
La	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Me	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Minn	H M Richardson Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Miss	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Mo	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Mont	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Neb	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Neb	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Nev	Logan Sales Co	154-8th St, San Francisco, Cal	HE1-0692
NH	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
NJ	Newhouse Corp	6 E. 39th St, New York City, NY	LE2-7372
NJ	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
NM	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
NY	Frank W Taylor Co	4455 E. Genesee St, De Witt, NY	GI6-0422
NY	Newhouse Corp	6 E. 39th St, New York City, NY	LE2-7372
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
ND	H M Richardson Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Okla	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AL6470
Pa	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
RI	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
SC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
SD	H M Richardson Co., Inc	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Tenn	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Tenn	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Tex	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Tex	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Utah	Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Vt	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Va	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AL6470
W. Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wisc	Gettleman & Litteken	5209 N. Kimball Ave, Chicago, Ill	JU8-0030
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago, Ill	JU8-0905
Wyo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Foreign	Rocke International	13 E. 40th St, New York 16, NY	MU9-0200
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Scarboro, Ont, Canada	PL7-9021
Canada	Chas L Thompson Ltd	3115 Lonsdale Ave, N. Vancouver, BC, Can	YL7-9388
	AMERICAN THERMO ELECTRIC CO	**1023 N. Fuller Ave, Los Angeles 46, Cal**	**HO4-1632**
	AMERICAN TIME PRODUCTS INC	**61-20 Woodside Ave, Woodside 77, NY**	**OL1-7800**
	AMERICAN TRADAIR CORP SUB OF EXCO ELECTRONICS LTD	**34-01 30 St, Long Island City 6, NY**	**EM1-1414**
Ala	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Ariz	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Ark	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
Cal	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Colo	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Fla	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Ga	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Idaho	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Ind	Ben Z Rubin Co	16130 Meyer Rd, Detroit 35, Mich	
Iowa	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
Kan	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
La	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Mich	Ben Z Rubin Co	16130 Meyer Rd, Detroit 35, Mich	
Miss	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Mo	Atomasters Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
Mont	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Neb	Atomasters Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
Nev	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
NJ	Geo Landfear Enterprises	165 Franklin Ave, Nutley, NJ	
Ohio	Ben Z Rubin Co	16130 Meyer Rd, Detroit 35, Mich	
Okla	Atomasters Buntaine Corp	111 W. Jewel Ave, St. Louis, Mo	
Ore	C W Reed Co	5959 S. Hoover St, Los Angeles, Cal	
Tenn	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Tex	Gamma Industries	P.O. Box 2543, Baton Rouge, La	
Utah	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
Wyo	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	
	AMFLEX PRODUCTS DEPT AMERICAN MACHINE & FOUNDRY CO	**689 Hope St, Springdale, Conn**	**DA5-2211**
Conn	Huse-Liberty Mica	Peabody Industrial Center, Peabody, Mass	JE1-7100
Ill	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Ind	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Iowa	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Kan	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Ky	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
La	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Me	Huse-Liberty Mica Co	Peabody Industrial Center, Peabody, Mass	JE1-7100
Mass	Huse-Liberty Mica Co	Peabody Industrial Center, Peabody, Mass	JE1-7100
Minn	J J Glenn & Co	7915 N. Boyd Way, Milwaukee 17, Wisc	FL2-7262
NH	Huse-Liberty Mica Co	Peabody Industrial Center, Peabody, Mass	JE1-7100
NJ	Robert McKeown Co., Inc	99 Dorsa Ave, Livingston, NJ	WY2-0700
NY	Robert McKeown Co., Inc	99 Dorsa Ave, Livingston, NJ	WY2-0700
Ohio	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Okla	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
RI	Huse-Liberty Mica Co	Peabody Industrial Center, Peabody, Mass	JE1-7100
Tex	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Vt	Huse-Liberty Mica Co	Peabody Industrial Center, Peabody, Mass	JE1-7100
Wisc	J J Glenn & Co	7915 N. Boyd Way, Milwaukee 17, Wisc	FL2-7262
	AMGLO CORP	**4333 N. Ravenswood Ave, Chicago 13, Ill**	**BU1-2727**
	AMPCO MFG CO	**246 E. 2nd St, Plainfield, NJ**	**PL7-4600**
	AMP INC	**Eisenhower Blvd, Harrisburg, Pa**	**JO4-0101**
	AMP INC CAPITRON DIV	**155 Park St, Elizabethtown, Pa**	**EM2-0101**
Ariz	Miles C Wagner	Rt 4, Box 94C, Tucson, Ariz	CY7-0886
Cal	John Fiske	P O Box 585, Arcadia, Cal	HI7-7655
Conn	John B Sullivan	101 Lexington, Needham 94, Mass	HI4-4839
Del	George Latch	320 Weatherbee, Towson, Md	VA5-1566
DC	George Latch	320 Weatherbee, Towson, Md	VA5-1566
Ill	Louis Reis	8532 Trumbull, Skokie, Ill	OR5-0313
Kan	Louis M Reis	8532 Trumbull, Skokie, Ill	OR5-0313
Me	John B Sullivan	101 Lexington, Needham 94, Mass	HI4-4839
Md	George Latch	320 Weatherbee, Towson, Md	VA5-1566
Mass	John B Sullivan	101 Lexington, Needham 94, Mass	HI4-4839
Mo	Louis M Reis	8532 Trumbull St, Skokie, Ill	OR5-0313
NH	John B Sullivan	101 Lexington Ave, Needham 94, Mass	HI4-4839
NJ	J A O'Brien	75 W. Areba Ave, Hershey, Pa	HU7-3400
NJ	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
NY	J A O'Brien	75 W. Areba Ave, Hershey, Pa	HU7-3400
NY	John B Sullivan	101 Lexington Ave, Needham 94, Mass	
NC	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
Pa	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
RI	John B Sullivan	101 Lexington Ave, Needham 94, Mass	HI4-4839
SC	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
Tex	Emmett Pyle	P.O. Box 646, Garland, Tex	FL7-5616
Utah	John Fiske	P.O. Box 585, Arcadia, Cal	HI7-7655
Vt	John B Sullivan	101 Lexington Ave, Needham 94, Mass	HI4-4839
Va	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
W. Va	George Latch	320 Weatherbee Rd, Towson, Md	VA5-1566
	AMPEREX ELECTRONIC CORP	**230 Duffy Ave, Hicksville, NY**	**WE1-6200**
Ala	James Millar & Associates	P.O. Box 7116-Station C, Atlanta, Ga	TR6-0919
Alaska	Richard R Legg Co	1633 N.W. 21st Ave, Portland 2, Ore	CA3-9720
Ariz	Mel Pearson & Co	288 Canyon Rd, Salt Lake City, Utah	EM4-7524
Ark	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Cal	Wm J Purdy Co	312 Seventh St, San Francisco, Cal	UN3-3300
Cal	Shephard-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
Colo	Mel Pearson & Co	1850 S. Acoma, Denver, Colo	SP7-7878
Conn	Gerber Sales Co	42 Church St, New Haven, Conn	SP7-6279
Del	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	RI6-7060
Fla	James Millar Associates	241 Dommerich Dr, P.O. Box 96, Maitland Fla	
Ga	James Millar & Associates	P.O. Box 7116-Sta C, Atlanta, Ga	TR6-0919
Idaho	Richard R Legg Co	1633 N.W. 21st Ave, Portland 2, Ore	CA3-9720
Ill	Forristal-Young Co	4057 Broadway, Kansas City, Mo	VA1-5330
Ill	Amperex Electronic Corp	7440 W. North Ave, Elmwood Park, Ill	GL3-2494
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-6915
Iowa	Jerry Vrbik	615 Guaranty Bldg, Cedar Rapids, Iowa	EM4-0833
Kan	Forristal-Young Co	4057 Broadway, Kansas City, Mo	VA1-5330
Ky	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-6915
La	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Victor W Williams & Associates	3323 Elmora Ave, Baltimore, Md	
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	A B M Sales Co	10116 Puritan Ave, Detroit, Mich	UN2-1300
Minn	Jerry Vrbik	615 Guaranty Bldg, Cedar Rapids, Iowa	EM4-0833
Mo	Forristal-Young Co	4057 Broadway, Kansas City, Mo	VA1-5330
Mont	Richard R Legg Co	1633 N.W. 21st Ave, Portland 2, Ore	CA3-9720
Neb	Forristal-Young Co	4057 Broadway, Kansas City, Mo	VA1-5330
Nev	Shephard-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	RI6-7060
NM	Mel Pearson & Co	1850 S. Acoma, Denver, Colo	SP7-7878
NY	Kahgan Sales Co	1261 Broadway, New York, NY	MU4-7772
NY	Edward A Ossmann Corp	830 Linden Ave, Rochester, NY	LU6-4940
NC	James Millar Associates	4023 Arborway, Charlotte 7, NC	
Ohio	A B M Sales Co	10116 Puritan Ave, Detroit, Mich	UN2-1300
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	
Okla	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Ore	Richard R Legg Co	1633 N.W. 21st Ave, Portland 2, Ore	CA3-9720
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	RI6-7060
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	James Millar Associates	4023 Arborway, Charlotte 7, NC	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tenn	James Millar Associates	4023 Arborway, Charlotte 7, NC	
Tex	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Utah	Mel Pearson & Co	288 Canyon Rd, Salt Lake City, Utah	EM4-7524
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	
Wash	Richard R Legg Co	3534 Wallingford Ave, Seattle, Wash	ME6697
W. Va	Victor W Williams & Associates	1100 White Horse Pike, Oaklyn 9, NJ	CO5-6338
Wisc	Jerry Vrbik	615 Guaranty Bldg, Cedar Rapids, Iowa	EM4-0833
Wyo	Mel Pearson & Co	288 Canyon Rd, Salt Lake City, Utah	EM4-7524
	AMPERITE CO., INC.	**561 Broadway, New York 12, NY**	**CA6-1446**
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles, Cal	
Tex	J E Smith	P.O. Box B5331, Dallas, Tex	
	AMPEX DATA PRODUCTS CO	**934 Charter St, Redwood City, Cal**	**EM9-7111**
Cal	Ampex Data Prods	8467 Beverly Blvd, Los Angeles, Cal	OL3-1610
Cal	Ampex Data Prods	931 Town & Country Village, Palo Alto,	DA6-2797
DC	Ampex Data Prods	Universal Bldg, Washington 9, DC	DE2-0300
Ga	Ampex Data Prods	359 E. Paces Ferry Rd, Atlanta, Ga	CE3-5476
Ill	Ampex Data Prods	212 W. St. Charles, Villa Park, Ill	TE3-7050
NJ	Ampex Data Prods	423 Bloomfield Ave, Montclair, NJ	PI6-4400
Canada	Ampex Data Prods	77 Metcalfe St, Ottawa, Ontario, Canada	CE6-9763
	AMPEX MAGNETIC TAPE PRODUCTS	**Box 7000, Redwood City, Cal**	**EM9-4691**
Cal	Ampex Magnetic Tape Products	934 Charter St, Redwood City, Cal	EM9-4893
Cal	Ampex Magnetic Tape Products	1715 E. Walnut St, Pasadena, Ca	MU1-0431
DC	Ampex Magnetic Tape Products	Universal Bldg, Washington 9, DC	DE2-2300
Ga	Ampex Magnetic Tape Products	359 E. Paces Ferry Rd, Atlanta 5, Ga	CE7-0584
Ill	Ampex Magnetic Tape Products	212 W. St Charles Rd, Villa Park, Ill	BR9-4123
NJ	Ampex Magnetic Tape Products	423 Bloomfield Ave, Montclair, N	PI6-3110
Tex	Ampex Magnetic Tape Products	3915 Lemmon Ave, Dallas Tex	LA8-3478
	AMPHENOL CABLE & WIRE DIV AMPHENOL-BORG ELECTRONICS CORP	**S. Harlem at 63rd, Chicago 38, Ill**	**BI2-1000**
Cal	Amphenol-Borg Electronics Corp	9201 Independence Ave, Chatsworth, Cal	DI1-0710
Cal	Amphenol-Borg Electronics Corp	5054 Lincoln St, San Diego, Ca	HO3-9331
Cal	Amphenol-Borg Electronics Corp	1040 El Camino Real, San Carlos, Cal	LY1-2691
Cal	Amphenol-Borg Electronics Corp	5426 Reseda Blvd, Tarzana, Cal	DI5-6810
DC	Amphenol-Borg Electronics Corp	725 15th St N.W., Washington, DC	EX3-2205
Colo	Ronald G Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Ga	Hollingsworth & Stili	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Ill	Amphenol Electronics Corp	2801 S. 25th Ave, Broadview, Ill	CO1-2000
Ill	Amphenol-Borg Electronics Corp	S. Harlem Ave at 63rd St, Chicago 38, Ill	BI2-1000
Ill	Amphenol-Borg Electronics Corp	1830 S. 54th Ave, Chicago 50, Ill	BI2-1000
Ind	L M DeVoe Co	4010 Washington Blvd, Indianapolis 5, Ind	AT3-1395
Mass	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Mich	R C Nordstrom Co	Briggs Bldg, Birmingham, Mich	JO4-6129
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Mo	H A Roes & Co	2601 Cherry, St Kansas City 8, Mo	BA1-0866
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NY	Amphenol-Borg Electronics Corp	Empire Bldg, Syracuse 2, NY	HA2-4141
NY	Amphenol-Borg Electronics Corp	310 Northern Blvd, Great Neck, NY	HU2-4700
NC	Amphenol-Borg Electronics Corp	200 S. Greene St, Greensboro, NC	BR4-0057
Ohio	Amphenol-Borg Electronics Corp	20800 Ctr Ridge Rd, Cleveland 16, Ohio	ED1-9100
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Wash	Amphenol-Borg Electronics Corp	Smith Towers Bldg, Seattle, Wash	MA4-1445
	AMPHENOL CONNECTOR DIV AMPHENOL-BORG ELECTRONICS CORP	**1830 S. 54th Ave, Chicago 50, Ill**	**BI2-1000**
	AMPHENOL WESTERN DIV AMPHENOL-BORG ELECTRONICS CORP	**9201 Independence, Chatsworth, Cal**	**DI1-0710**
Cal	Amphenol	1040 El Camino Real, San Carlos, Cal	LY1-2691
Cal	Amphenol	5054 Lincoln St, San Diego, Cal	HO3-9331
Cal	Amphenol	5426 Reseda Blvd, Tarzana, Cal	DI5-6810
Colo	Ronald G Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
DC	Amphenol	725 15th St, N.W., Washington, DC	EX3-2205
Ga	Hollingsworth & Stili	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Ill	Amphenol	2801 S. 25th Ave, Broadview, Ill	CO1-2000
Ind	L M DeVoe Co	4010 Wash Blvd, Indianapolis 5, Ind	AT3-1395
Mass	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Mich	R C Nordstrom Co	Briggs Bldg, Birmingham, Mich	JO4-6129
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16	WE9-6727
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NY	Amphenol	Empire Bldg, Syracuse 2, NY	HA2-4141
NY	Amphenol	310 Northern Blvd, Great Neck, NY	HU2-4700
NC	Amphenol	200 S. Greene St, Greensboro, NC	BR4-0057
Ohio	Amphenol	20800 Ctr Ridge Rd, Cleveland 16, Ohio	ED1-9100
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Wash	Amphenol	Smith Towers Bldg, Seattle, Wash	MA4-1445
	AMPLIFIER CORP OF AMERICA	**396 Broadway, New York 13, NY**	**WO6-2929**
	AMPLIVOX LTD	**Beresford Ave, Wembley, Middx, England**	**WE8991**
	AMPRO CORP	**1345 Diversey Pkwy, Chicago, Ill**	
	AMSTERDAM CONTINENTAL TYPES & GRAPH EQUIPMENT INC	**276 Park Ave, S., New York 10, NY**	**SP7-4980**
	AMTHOR TESTING INSTRUMENT CO	**45A-53 Van Sinderen, Brooklyn 7, NY**	**DI6-8841**
	AMTRON CORP	**17 Felton St, Waltham, Mass**	**TW4-5020**
	ANACONDA ALUMINUM CO	**1430 S. 13 St, Louisville 1, Ky**	**ME5-6311**
Cal	Northcross Paper Co	813 N. Labrea Ave, Los Angeles 38, Cal	WE3-8514
Cal	Anaconda Aluminum Co	120 Montgomery St, San Francisco 4, Cal	YU6-0051
Ill	Anaconda Aluminum Co	Old Orchard Profsnl Bldg, Skokie, Ill	OR6-2921
Ind	Anaconda Aluminum Co	2800 E. 39th St, Indianapolis 5, Ind	LI5-1746
Mass	Anaconda Aluminum Co	300 First Ave, Needham Hgts, Mass	HI4-9104
Mich	Anaconda Aluminum Co	148 S. Woodward Ave, Birmingham, Mich	MI6-7650
Mo	Anaconda Aluminum Co	10 S. Brentwood Blvd, St. Louis 5, Mo	PA1-0093
NY	Anaconda Aluminum Co	680 Fifth Ave, New York 19, NY	CI7-2304
Ohio	Anaconda Aluminum Co	19129 Hilliard Rd, Rocky River, Ohio	ED1-5064
Tex	Anaconda Aluminum Co	Expwy at Milton, Dallas 6, Tex	EM8-6448
Wash	W R Katz	503 Maritime Bldg, Seattle 4, Wash	MA4-2494
	ANACONDA AMERICAN BRASS CO	**414 Meadow St, Waterbury 20, Conn**	**PL4-1121**
Cal	Anaconda Amer Brass Co	14900 Garfield Ave, Paramount,	NE6-0321
Cal	Anaconda Amer Brass Co	120 Montgomery St, San Francisco,	YU6-0051
Colo	Anaconda Amer Brass Co	2393 S. Delaware St, Denver 23, Colo	SP7-3008
Conn	Anaconda Amer Brass Co	75 Liberty St, Ansonia, Conn	RE4-2561

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Anaconda Amer Brass Co	179 Water St, Torrington, Conn	HU9-3161
DC	Anaconda Amer Brass Co	1511 K St, N W, Washington, DC	EX3-5867
Ga	Anaconda Amer Brass Co	712 W. Peachtree St, N W, Atlanta 8, Ga	RE4-2561
Ill	Anaconda Amer Brass Co	4501 W. North Ave, Chicago 39, Ill	BE5-1000
Iowa	Anaconda Amer Brass Co	First Ave Bldg, Cedar Rapids, Iowa	EM4-2465
Mass	Anaconda Amer Brass Co	824 Boylston St, Chestnut Hill 67,	AS7-2512
Mich	Anaconda Amer Brass Co	174 S. Clark Ave, Detroit 31,	TA5-3500
Minn	Anaconda Amer Brass Co	607 Marquette Ave, Minneapolis 2,	FE9-3057
Mo	Anaconda Amer Brass Co	106 W 14th St, Kansas City 5, Mo	VI2-7388
Mo	Anaconda Amer Brass Co	916 Shell Bldg, St. Louis 3, Mo	CH1-1155
NJ	Anaconda Amer Brass Co	110 Halsted St, E. Orange, NJ	OR5-6060
NY	Anaconda Amer Brass Co	70 State St, Buffalo, NY	[illegible]
NY	Anaconda Amer Brass Co	30 Park Ave, New York 16, NY	CX7-1166
NY	Anaconda Amer Brass Co	409 Clinton Bldg, Rochester,	HA6-3350
NY	Anaconda Amer Brass Co	800 State Tower Bldg, Syracuse,	HA2-1205
NC	Anaconda Amer Brass Co	606 Liberty Life Bldg, Charlotte,	FR5-2566
Ohio	Anaconda Amer Brass Co	121 W Fourth St, Cincinnati 2,	GA1-9050
Ohio	Anaconda Amer Brass Co	2200 W [illegible] St, Cleveland 11,	CL1-1105
Ohio	Anaconda Amer Brass Co	845 E. [illegible] St, Columbus 15,	CA1-5771
Pa	Anaconda Amer Brass Co	111 W Norris St, Phila 22, Pa	RE4-7700
Pa	Anaconda Amer Brass Co	503 [illegible] Bldg, Pittsburgh 19,	GR1-8516
RI	Anaconda Amer Brass Co	200 Chestnut St, Providence 3,	GA1-2180
Tex	Anaconda Amer Brass Co	Box 12153, Dallas 25, Tex	EM8-6311
Tex	Anaconda Amer Brass Co	Texas Ave Bldg, Houston 2, Tex	[illegible]
Wash	Anaconda Amer Brass Co	Tower [illegible] Seattle 1, Wash	MA3-2565
Wisc	Anaconda Amer Brass Co	1420-63 St, Kenosha, Wisc	OL7-5111
Wisc	Anaconda Amer Brass Co	1033 W. Bruce St, Milwaukee,	MI5-4775
	ANACONDA WIRE & CABLE CO	**25 Broadway, New York 4, NY**	**HA2-6300**
Ala	Bryn W Waters	2026 Second Ave, N., Birmingham 3	FA3-5217
Cal	Albert W Tracy	807 [illegible] Bldg, Los Angeles 17, Cal	MA6-2371
Cal	William K Gaylord	120 Montgomery St, San Francisco 4	YU6-0051
Colo	Kenneth C Eaton	706 Rwy Exchange Bldg, Denver 2	AC2-0616
Conn	R A Westcott	2315 Whitney Ave, New Haven, Conn	CH8-6391
DC	Richard Kellogg	423 Investment Bldg, Washington 5, DC	EX3-5867
Fla	J H Saunders	4302 Henderson Blvd, Tampa 9, Fla	8-4381
Ga	Malcolm J Black	1915 Rhodes-Haverty Bldg, Atlanta 3	JA5-2062
Ill	Ernest B Miller Jr	20 N. Wacker Dr, Chicago 6, Ill	FR2-5200
Ind	Kevin J Stanley	720 Circle Tower, Indianapolis 4, Ind	ME8-3484
Iowa	William Cade	817 Fleming Bldg, DesMoines 9, Iowa	AT8-8535
La	Norman L Pollard	240 Caribe Bldg, New Orleans 19, La	JA2-2731
Mass	Daniel F O'Leary	824 Boylston St, 67, Mass	UN4-9716
Mich	William Olsen	621 New Center Bldg, Detroit 2, Mich	TR2-2800
Minn	James R Vigdal	821 Marquette Ave, Minneapolis 2, Minn	FE9-7654
Mo	William Carter	106 W. 14 St, Kansas City 5, Mo	VI2-4444
Mo	F M Mac Duffie	1705 Continental Bldg, St. Louis, Mo	JE1-0505
NJ	Henry Johnson	10 Commerce Ct, Newark 2, NJ	MA3-6054-5-6
NY	Edward Ryan	360 Lexington Ave, New York 17, NY	MU7-9339
NY	Morse E Galliett	Syracuse Kemper Bldg, Syracuse 2, NY	HA2-0391
NC	Jackson B West	213 Wilder Bldg, Charlotte 2, NC	FR6-3611-2-3-4
Ohio	Chapman C Brown	3093-05 Carew Tower, Cincinnati 2, Ohio	MA1-3216
Ohio	Robert J Sullivan	75 Public Square, Cleveland 13, Ohio	SW1-2301
Okla	A L Jordan	1107 Philtower, Tulsa 3, Okla	LU4-3666
Pa	W S Shanahan	1616 Walnut St, Bldg, Philadelphia 3, Pa	PE5-8118
Pa	W J Veenis	776 Bldg No 1, Gateway Ctr, Pittsburgh	AT1-4260
Tex	Robert T Shiels Jr	1201 Fidelity Union Life Bldg, Dallas	RI8-1281
Tex	John N Ratcliff Jr	639 Texas Natl Bank Bldg, Houston	CA8-2375
Utah	Edward S McGlone Jr	405 S. Main St, Salt Lake City 11, Utah	DA8-0616
Wash	Albert H Leader	954 Stuart Bldg, Seattle 1, Wash	MA3-4686-7-8
W. Va	Andrew C Overpeck Jr	503 Peoples Bldg, Charleston 1	DI3-5527-8
Wisc	H F Jensen	2040 W. Wisconsin Ave, Milwaukee 3	DI2-5095
	ANADEX INSTRUMENTS INC	**14734 Arminta St, Van Nuys, Cal**	**ST6-7911**
Ala	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Cal	A C Catland & Co	4645 Van Nuys Blvd, Sherman Oaks, Cal	ST9-0243
Conn	The Creek Corp	Lumber Rd, Roslyn, NY	MA1-7411
Fla	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Miss	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
NJ	The Creek Corp	Lumber Rd, Roslyn, NY	MA1-7411
NY	The Creek Corp	Lumber Rd, Roslyn, NY	MA1-7411
NC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Pa	The Creek Corp	Lumber Rd, Roslyn, NY	MA1-7411
SC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Tenn	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
	ANAHEIM ELECTRONICS DIV ELECTRONIC ENG CO OF CAL	**1601 E. Chestnut, Santa Ana, Cal**	**KI7-5501**
Ariz	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
Cal	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
	ANALAB INSTRUMENT CORP	**30 Canfield Rd, Cedar Grove, NJ**	**CE9-6500**
Ala	Scientific Sales Engr Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Cal	V T Rupp Co	307 Parkman Ave, Los Angeles,	DU7-6224
Cal	V T Rupp Co	1182 Los Altos Ave, Los Altos,	WH8-1483
Cal	V T Rupp Co	3445 5th Ave, San Diego,	CY8-9835
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver,	PE3-3701
Conn	Instrument Assoc Inc	734 Asylum Ave, Hartford,	CH6-5686
Fla	Scientific Sales Engr Co	1851 Oak Ln, Orlando,	GA4-0730
Ga	Scientific Sales Engr Co	2162 Piedmont Rd, N E., Atlanta,	TR3-2475
Ill	Ridgway Assoc Inc	6100 W. North Ave, Chicago,	TU9-5715
Ind	Ridgway Assoc	1224 N. Capital, Indianapolis,	ME5-2401
Kan	Lee Mark Assoc	Box 8467, Kansas City,	NI2-3313
Md	Gawler Knoop Co	807 E. Seminary Ave, Towson,	VA5-3151
Md	Gawler Knoop Co	8732 Flower Ave, Silver Spring,	JU5-7550
Mass	Instrument Assoc Inc	30 Park Ave, Arlington,	MI8-2922
Mich	Ridgway Assoc Inc	1204 N. Woodward Ave, Royal Oak,	LI6-3312
Mo	Lee Mark Assoc	2001 Big Bend Blvd, St. Louis,	MI7-1470
NJ	Gawler-Knoop Co., Inc	178 Eagle Rock Ave, Roseland,	CA6-4545
NM	V T Rupp Co	1437 San Mateo Blvd, N.E., Albuquerque,	AL6-0798
NY	Naco Electronics Corp	119 Luther Ave, Liverpool,	GL8-2358
NC	Scientific Sales Engr Co	2831 S. Main St, Winston-Salem,	PA3-3281
Ohio	Ridgway Assoc Inc	5915 Schaaf Rd, Cleveland,	
Ohio	Ridgway Assoc Inc	3130 Far Hills Ave, Dayton,	AX3-2167
Ore	Burt C Porter Co	Box 7854, Portland,	CO9708
Pa	Gawler-Knoop Co., Inc	835 Glenside Ave, Wyncote,	WA7-1820
Tex	Dannemiller-Smith Co	6218-B Westheimer, Houston,	HO5-8347
Tex	Dannemiller-Smith Co	2712 Mockingbird Ln, Dallas,	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City,	IN6-4924
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle,	CA8330
Canada	Radionics Ltd	8230 Mayrand St, Montreal, Quebec, Can	RE9-5517
	ANALOGUE CONTROLS INC	**200 Frank Rd, Hicksville, NY**	**OV1-7300**
Ariz	The Kay Co	708 E. Ninth St, Tucson, Ariz	EA5-8725
Ariz	The Kay Co	1835 W. Camelback Rd, Phoenix, Ariz	
Cal	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
Cal	Tim-co Sales	6845 Louise Ave, Van Nuys, Cal	DI4-7803
Colo	Transdynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Conn	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7277
Del	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
DC	ARco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
Idaho	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
Ill	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Ind	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Iowa	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Iowa	Design And Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Kan	Design And Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Md	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
Mich	BEK Associates	24054 Smith Ave, Westlake, Ohio	SP7-2072
Minn	Bill Bartleson Co	330 Oak Grove, Minneapolis 3	FE3-6709
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Mont	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
NJ	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7227
NJ	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7227
ND	Bill Bartleson Co	330 Oak Gr, Minneapolis 3, Minn	FE3-6709
Ohio	Components Engineering Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI1-4757
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Ore	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
Pa	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
Pa	Components Engineering Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
SD	Bill Bartleson Co	330 Oak Gr, Minneapolis 3, Minn	FE3-6709
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Utah	Transdynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Va	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
Wash	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
W.Va	Arco Engineering Co	733 Fifteenth St, N.W., Washington 5, DC	EX3-5991
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee	CO4-1080
Wyo	Micmin Corp	941 Charleston Rd, Palo Alto, Cal	DA6-1110
Foreign	Frathom Co	33 W. 42nd St, New York 36, NY	BR9-9422
Canada	Philips Electronics Ind Ltd	116 Vanderhoof Ave, Tor 17, Ont	HU5-8621
Japan	Technical Factors, Ltd	P.O. Box 1288, Tokyo, Japan	GI57-3665
	ANALYTICAL MEASUREMENTS INC	**585 Main St, Chatham, NJ**	
	ANCHOR INDUSTRIAL CO DIV ANCHOR PLASTICS CO., INC.	**36-36 36 St, Long Island City 6, NY**	**RA9-1494**
Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills	OL5-6340
Ind	Ray Stollenberg	2515 Marcy Ln, Ft. Wayne, Ind	KE4453
Mich	Jack Frank	18303 Muirland, Detroit 21, Mich	UN4-4797
Minn	B E Swenson Co	1538 Nicollet Ave, Minneapolis 3, Minn	FE5-2455
Ohio	C B Miller Co	P.O.Box 66, Cincinnati, Ohio	LO1-7449
	ANCHOR METAL CO., THE	**966 Meeker Ave, Brooklyn 22, NY**	**ST2-7090**
Cal	Chafim & Associates	1541 W. Olympic Blvd, Los Angeles 15, Cal	
Mass	L K Ingber	41 Cross St, West Newton	
NY	D L Wilbur	572 Oakwood Ave, Syracuse, NY	
Wisc	D Hale Darnold	914 Kentucky St, Racine, Wisc	
	ANCHOR PLATING & TINTING CO., INC	**1734 N. Tyler Ave, South El Monte, Cal**	
	ANCHOR SPECIALTY MFG CO., INC	**300 Hollister Rd, Teterboro, NJ**	**AT8-1939**
	ANDERS ELECTRIC PRODUCTS INC	**50 Brook Rd, Needham Heights 94, Mass**	**HI4-6990**
Mass	Robert B Hatch Co	19 Kearney Rd, Needham, Mass	HI4-7550
	ANDERSEN LABORATORIES INC	**501 New Park Ave, W. Hartford, Conn**	**AD6-1281**
Ariz	Southwest Machine Tool Co	P.O. Box 13626, Phoenix, Ariz	AL3-4197
Ark	Air Equipment Sales Co	P.O. Box 35012, Dallas, Tex	FL2-6943
Cal	Wm J Cole Co	4034 Buckingham Rd, Los Angeles, Cal	MA2-2393
Conn	Cirolia LeBlanc Sales Co	P.O. Box 6016, Hamden, Conn	
DC	U S Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
Ill	L S Racine	P.O. Box 465, Oak Park, Ill	VI6-7899
Ind	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
Me	Cirolia LeBlanc Sales Co	885 Main St, Waltham, Mass	TW3-2742
Md	U S Malta	P.O Box 4007, Philadelphia, Pa	VE6-5122
Mass	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass	TW3-2742
Mich	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
NH	Cirolia LeBlanc Sales Co	885 Main St, Waltham, Mass	TW3-2742
NM	Southwest Machine Tool Co	8807 Cordova Ave, N.E., Albuquerque	AX9-1351
NY	James L Sample	21 Edgewater Ln, Rochester 17, NY	FI2-1413
Ohio	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
Okla	Air Equipment Sales Co	P.O. Box 35012, Dallas, Tex	FL2-6943
Pa	U S Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
RI	Cirolia LeBlanc Sales Co	885 Main St, Waltham, Mass	TW3-2742
Tex	Air Equipment Sales Co	P.O. Box 35012, Dallas, Tex	FL2-6943
Vt	Cirolia LeBlanc Sales Co	885 Main St, Waltham, Mass	TW3-2742
Va	U S Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
Wash	U S Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	ANDERSON CONTROLS INC	**9959 Pacific Ave, Franklin Park, Ill**	**GL1-1210**
Ala	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Cal	Harold Newnan	56 41st Ave, San Mateo, Cal	FI1-3433
Cal	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles 26	NO3-8028
Colo	Sales Engineers Co	211-213 Wazee Market, Denver 4, Colo	AC2-4893
Conn	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
Del	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	PI2-1616
DC	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	PI2-1616
Ga	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ill	Gordon Fixman Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	Gordon Fixman Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Me	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
Md	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	P12-1616
Mass	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Mo	Gordon Fixman Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Neb	Gordon Fixman Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NH	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
NJ	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	P12-1616
NY	A L Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
NY	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	P12-1616
NC	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
ND	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Okla	T J Ray Co	P.O. Box 5417, Tulsa 4, Okla	MA6-7707
Pa	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	P12-1616
RI	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
SC	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
SD	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tenn	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Utah	Sales Engineers Co	211-213 Wazee Market, Denver 4, Colo	AC2-4893
Vt	C H Weber Jr	39 Benson Pl, Fairfield, Conn	CL9-5386
Va	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	P12-1616
Wisc	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Wyo	Sales Engineers Co	211-213 Wazee Market, Denver 4, Colo	AC2-4893
	ANDERSON ELECTRONICS INC	**1012 Chestnut Ave, Altoona, Pa**	**W14-7148**
Conn	J Duncan How Inc	Statler Office Bldg, Boston, Mass	HU2-4638
Del	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
DC	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Me	J Duncan How Inc	Statler Office Bldg, Boston, Mass	HU2-4638
Md	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
Mass	J Duncan How Inc	Statler Office Bldg, Boston, Mass	HU2-4638
Mich	R C Nordstrom & Co	218 Briggs Bldg, Birmingham, Mich	JO4-6129
NH	J Duncan How Inc	Statler Office Bldg, Boston, Mass	HU2-4638
NJ	Cooper Simon & Cooper Inc	400 E. 79th St, New York 21, NY	LE5-2900
NY	Cooper Simon & Cooper Inc	400 E. 79th St, New York 21, NY	LE5-2900
Pa	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
RI	J Duncan How	Statler Office Bldg, Boston, Mass	HU2-4638
Va	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
W. Va	D & H Sales Div	2525 N. 7th St, Harrisburg, Pa	CE6-8001
	ANDREA RADIO CORP	**27-01 Bridge Plaza, N., L I City 1, NY**	**ST4-5411**
Alaska	Don Grinols	Box 1684, Anchorage, Alaska	
Conn	Moret Electronics Co	986 Broad St, Hartford, Conn	
DC	Hynes Bros Inc	4th & Bryant Sts, N.E., Washington, DC	
Mass	R W Farnum	Box 61, W. Newton 65, Mass	
NJ	Carell Distributing Co	855 Bloomfield Ave, Glen Ridge, NJ	
Pa	S S Fretz Jr Inc	870 N. 28th St, Philadelphia, Pa	
Pa	Nypenno Sales Co	502 Chestnut St, Pittsburgh 12, Pa	
Pa	Pete Morahan	10 N. Belfield Ave, Havertown, Pa	
RI	The Eastern Co	220 Georgia Ave, Providence, RI	
Va	Tower-Binford Inc	4th & Carey Sts, Richmond, Va	
	ANDREW CORP	**P.O. Box 807, Chicago 42, Ill**	**FI9-3300**
Ariz	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Cal	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Conn	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
Del	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
DC	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Fla	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Ga	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Idaho	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Me	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
Md	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Mass	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
Nev	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
NH	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
NJ	Andrew Corp	Box 416, Ridgewood, NJ	GI5-2500
NM	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
NY	Andrew Corp	Box 416, Ridgewood, NJ	GI5-2500
NC	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Ore	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Pa	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
RI	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
SC	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
SD	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Utah	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Vt	Andrew Corp	Box 296, Westwood, Mass	DA6-6500
Va	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Wash	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
W. Va	Andrew Corp	Box 5897, Washington 14, DC	OL4-2540
Wyo	Andrew Cal Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
	ANDROMEDA INC	**3742 Howard Ave, Kensington, Md**	
	ANELEX CORP	**150 Causeway St, Boston 14, Mass**	**RI2-1720**
	ANETSBERGER BROTHERS INC	**158 Aaets Dr, Northbrook, Ill**	
	ANKO MFG CO., INC	**5025 N. 124 St, Milwaukee, Wisc**	
	ANNIS CO., R B	**1101 N. Delaware St, Indianapolis, Ind**	**ME5-2838**
Conn	Acme Tool Corp	71 W. Broadway, New York 7, NY	CO7-2114
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
Mich	Fisher-Detroit Co	2832 E. Grand Blvd, Detroit 11, Mich	TR2-5175
Mich	H G Hamilton	6570 Franklin Rd, Birmingham, Mich	MA6-3021
NJ	Acme Tool Corp	71 W. Broadway, New York 7, NY	CO7-2114
NY	Robert F Lamb	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	Acme Tool Corp	71 W. Broadway, New York 7, NY	CO7-2114
Ohio	L H Waldrip Co	3030 Euclid Ave, Cleveland 15, Ohio	EX1-4242
Pa	W H Bollinger	Box 8088, Pittsburgh 16, Pa	
RI	Acme Tool Corp	71 W. Broadway, New York 7, NY	CO7-2114
Va	The Hildenbrand Co	P.O.Box 1060, Fairfax, Va	CR3-2334
	ANSLEY MFG CO., ARTHUR	**R.D., New Hope, Pa**	**AX7-2711**
Ariz	Harry Gee	5333 Sepulveda Blvd, Culver City, Cal	
Cal	Harry Gee	5333 Sepulveda Blvd, Culver City,	
Conn	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
Del	Barry Houser	188 Water St, Perth Amboy, NJ	HI2-3159
DC	Barry Houser	188 Water St, Perth Amboy, NJ	
Fla	Norman Hardy Assoc	444 2nd Ave, Melbourne, Fla	
Me	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
Md	Barry Houser	188 Water St, Perth Amboy, NJ	HI2-3159
Mass	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
NH	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
NJ	Barrett Border	121 Oak St, Tenafly, NJ	LO8-2354
NM	Harry Gee	5333 Sepulveda Blvd, Culver City, Cal	
NY	Barrett Border	121 Oak St, Tenafly, NJ	LO8-2354
Pa	Barry Houser	188 Water St, Perth Amboy, NJ	HI2-3159
Pa	R G Sidnell	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
RI	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
Vt	Norman B Saunders	8 Prospect St, Waltham 54, Mass	TW4-6071
Va	Barry Houser	188 Water St, Perth Amboy, NJ	
	ANTARA CHEMICALS SALES DIV G & F	**435 Hudson St, New York 14, NY**	**WA4-0600**
Cal	Antara Chemicals	37 Clementina St, San Francisco 5, Cal	EX2-0300
Cal	Antara Chemicals	2445 E. 26 St, Los Angeles 58, Cal	LU2-7321
Ill	Antara Chemicals	310 W. Polk St, Chicago 7, Ill	HA7-3771
NC	Antara Chemicals	2459 Wilkinson Blvd, Charlotte 1, NC	EO3-4121
Ore	Antara Chemicals	1007 Terminal Sales Bldg, Portland 5	CA8-3365
Pa	Antara Chemicals	42 S. 15th St, Philadelphia 2, Pa	LO3-2836
RI	Antara Chemicals	85 Tockwotton St, Providence 3, RI	GA1-1585
Tenn	Antara Chemicals	4301 Rossville Blvd, Chattanooga 7	MA9-3282
Canada	Chemical Develop of Canada Ltd	420 Lagauchetiere St, W., Montreal 1, PQ	UN6-3676
	ANTENNA DESIGN INC	**223 S. Third St, Burlington, Iowa**	
Cal	Erlanger Sales Co	Los Angeles, Cal	
Cal	Bellehamber & French	San Francisco, Cal	
Ill	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	
Ind	Joe Clancy Co	P.O.Box 269, Angola, Ind	
	ANTENNA SPECIALISTS CO	**12435 Euclid Ave, Cleveland 6, Ohio**	**SW1-7878**
Cal	Chas A Hansen	1406 S. Grand Ave, Los Angeles, Cal	RI8-6191
Cal	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Colo	Koetner-Cox Co	110 W. 13 St, Denver 4, Colo	MA3-3544
Ga	J F Joyner & Assoc	Box 10871, Sta A, Atlanta, Ga	PL5-4336
Ill	William J Doyle Co	7002 N. Western Ave, Chicago 45, Ill	RO1-3130
Ind	Thomas & Sokup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Mass	Harold A Chamberlin	Bedford Airport, Bedford, Mass	CR4-9044
Mich	Rod Butchart	16637 E. Warren, Detroit 24, Mich	TU2-6666
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn	JU8-4663
Mo	Maury E Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
NJ	Jules J Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Leonard O Allen Inc	Box 32, Salina Sta, Syracuse 8, NY	GR1-3108
Ohio	Sid Levin & Assoc	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Ore	Don H Burcham Co	Box 4098, Portland 8, Ore	CA6-4148
Pa	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
Tex	Delzell-Maynard Sales Co	2013 Cedar Spring Ave, Dallas 1,	RI2-2027
	ANTENNA SYSTEMS INC	**Hingham Ind'l Center, Hingham, Mass**	**RI9-4700**
	ANTENNAVISION INC	**2949 W. Osborn Rd, Phoenix, Ariz**	**AL4-5511**
Cal	Mueller Electronics	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239
Pa	Telco	16 S. Dorcas St, Lewistown, Pa	8-5900
Tex	Custom Electronics	1132 Texas Ave, El Paso, Tex	KE3-8231
Wash	United Video	P.O. Box 375, Long Beach, Wash	
	ANTI-CORROSIVE METAL PRODUCTS CO., INC	**Castleton-on-Hudson, NY**	**PE2-7711**
Ariz	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Alaska	Powel & Hoover	70 Marion St, Seattle 4, Wash	MU2-2450
Ariz	Anti-Corrosive Metal Prods Co., Inc	2922 E. Olympic Blvd, L A 23, Cal	AN8-5131
Ark	K E Luger	Box 6704, Houston, Tex	JA8-5581
Cal	Anti-Corrosive Metal Prods Co., Inc	2922 E. Olympic Blvd, L A 23,	AN8-5131
Colo	Carlos W Stone	2003 Parleys Canyon, Salt Lake City, Utah	HU4-8495
Conn	Henry G Carlson Jr	Butterfield Rd, Newtown, Conn	GA6-4023
Del	Norman H Yoder	Box 23, King of Prussia, Pa	BR2-3794
DC	J M Kalista Jr	221 E. 25th St, Baltimore 18, Md	BE5-2780
Fla	J K Kessler	Box 10263, Tampa, Fla	89-7661
Fla	Tom Haley	2531 N.W. 182nd Terr, Opa Locka, Fla	NA1-0906
Ga	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Hawaii	Anti-Corrosive Metal Prods Co	2922 E. Olympic Blvd, L A 23, Cal	AN8-5131
Idaho	Powel & Hoover	70 Marion St, Seattle 4, Wash	MU2-2450
Ill	Taylor & Mudd	605 W. Washington Blvd, Chicago 6,	FR2-4743
Ind	Meyer & Meyer	6101 N. College Ave, Indianapolis, Ind	CL5-5253
Iowa	Warren Clason	3844 Valdez Dr, Des Moines 10, Iowa	CR9-9102
Kan	Clancey & Digges	3527 Broadway, Kansas City, Mo	WE1-3090
Ky	William Needles	4016 Diehl Ave, Cincinnati 36, Ohio	SY1-1297
La	K E Luger	Box 6704, Houston, Tex	JA8-5581
Me	John T Davidson	46 Converse Ave, Malden, Mass	DA2-9471
Md	J M Kalista Jr	221 E. 25th St, Baltimore 18, Md	BE5-2780
Mass	John T Davidson	46 Converse Ave, Malden, Mass	DA2-9471
Minn	Clemons & Grunseth	1645 Hennepin Ave, Minneapolis 3,	FE5-0707
Miss	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Mo	John W Bresnahan	8618 Brookshire Ln, University City 32,	WY1-1539
Mo	Clancey & Digges	3527 Broadway, Kansas City, Mo	WE1-3090
Mont	Powel & Hoover	70 Marion St, Seattle 4, Wash	MU2-2450
Neb	Clancey & Digges	3527 Broadway, Kansas City, Mo	WE1-3090
NH	John T Davidson	46 Converse Ave, Malden, Mass	DA2-9471
NJ	Arthur S Kuhns Jr	Box 27, Rahway, NJ	KI1-9614
NJ	Norman H Yoder	Box 23, King of Prussia, Pa	BR2-3794
NM	K E Luger	Box 6704, Houston, Tex	JA8-5581
NY	Bruce Dremus	221 Hampton Blvd, Rochester 12,	NO3-1789
NC	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Ohio	John O Olsen	16201 Shaker Blvd, Cleveland 20,	SK2-5444
Ohio	William Needles	4016 Diehl Ave, Cincinnati 36, Ohio	SY1-1297
Okla	Clancey & Digges	3527 Broadway, Kansas City, Mo	WE1-3090
Ore	Powel & Hoover	70 Marion St, Seattle 4, Wash	MU2-2450
Pa	Norman H Yoder	Box 23, King of Prussia, Pa	BR2-3794
Pa	Edward A Snefsky	104 Elaton Dr, Pittsburgh 16, Pa	BR9-2550
RI	John T Davidson	46 Converse Ave, Malden, Mass	DA2-9471
SC	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Tenn	Eustis Lancaster	Sevier Hotel Bldg, Johnson City, Tenn	3200
Tenn	Tepley & McFadden	1400 Chestnut, Chattanooga, Tenn	AM6-4970
Tex	K E Luger	Box 6704, Houston, Tex	JA8-5581
Utah	Carlos W Stone	2003 Parleys Canyon, Salt Lake City,	HU4-8495
Vt	John T Davidson	46 Converse Ave, Malden, Mass	DA2-9471
Va	J M Kalista Jr	221 E. 25th St, Baltimore 18, Md	BE5-2780
Wash	Powel & Hoover	70 Marion St, Seattle 4, Wash	MU2-2450
W. Va	Edward A Snefsky	104 Elaton Dr, Pittsburgh, Pa	BR9-2550
Wisc	Frank W Ladky	4604 N. Wilson Dr, Milwaukee 4,	WO2-2942
Wyo	Carlos W Stone	2003 Parleys Canyon, Salt Lake City, Utah	HU4-8495
Foreign	J F Feito Ferreteria y Cabezon	Ave de Bolivar 319, Havana, Cuba	
Foreign	S Albanese E Hijo Sucres	Box 1230, Fortaleza 311, San Juan, Puerto Rico	
Canada	Railway & Power Engr Corp Ltd	3745 St. James St, W., Montreal, Canada	WE3-6741
	ANTLAB INC	**6330 Proprietors Rd, Worthington, Ohio**	**TU5-5396**
Ala	Roy Attaway Co	Box 361, Decatur, Ga	DR7-8943
Ariz	Antlab Inc	6730 Van Noord, N. Hollywood, Cal	PO9-0866
Cal	Antlab Inc	6730 Van Noord St, N. Hollywood, Cal	PO9-0866
Cal	Jay Stone & Associates	Box 583, Sunny Vale, Cal	YO6-2770
Conn	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Conn	George Gregory Assoc	Box 243, Cheshire, Conn	AT8-3900
Del	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
DC	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	Box 361, Decatur, Ga	DR7-8943
Me	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Md	Engineering Associates	2125 Maryland Ave, Baltimore, Md	HO7-1966
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Nev	Antlab Inc	6730 Van Noord, N. Hollywood, Cal	PO9-0866
NH	George Gregory Assoc	99 Elm St, W. Newton, Mass	BI4-4832
NJ	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NM	Southwest Electronics Ind	Meadows Bldg, Dallas, Tex	EM3-1671
NY	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NC	Engineering Associates	2125 Maryland Ave, Baltimore, Md	HO7-1966
Okla	Southwest Electronic Industries	Meadows Bldg, Dallas, Tex	EM3-1671
Pa	CDB Enterprises	1403 Arnold Ave, Roslyn, Pa	OL9-2938
RI	George Gregory Assoc	99 Elm St, W. Newton, Mass	BI4-4832
Tenn	Roy Attaway Co	Box 361, Decatur, Ga	DR7-8943
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas, Tex	EM3-1671
Vt	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Va	Engineering Associates	1109 Hughes Ct, Falls Church, Va	JE2-1773
Foreign	Szucs International Corp	50 W. Broad St, New York, NY	WH4-7486
	ANTON ELECTRONIC LABS INC	**1226 Flushing Ave, Brooklyn 37, NY**	**EV6-5715**
Ariz	Cartlinower & Co	P.O. Box 1607, Scottsdale, Ariz	WH5-2471
Cal	R O Dabex	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
Conn	Geist Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Ill	Ettinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ettinger Sales Corp	5214 Forest Ave, Fort Wayne, Ind	
Iowa	C/O Ettinger Sales Corp	309 Fourth Ave, S.E., Clarion, Iowa	
Mass	Jerry Rosen	14 Wedgwood Rd, Natick, Mass	OL3-6510
Mich	Carrier V Gable	155 W. Congress St, Detroit 26, Mich	WO1-1786
NY	Bower & Sapecky Associates	P.O. Box 34, Fayetteville, NY	GI6-5920
NY	C R Mayer Co	P.O. Box 152, Huntington, NY	WE8-2405
NC	Harry T Altman	P.O. Box 8031, Charlotte, NC	EX9-8926
Ohio	Joseph Tisdall	359 Fairwood Ave, Dayton 29, Ohio	AX9-4392
Pa	W P Jones	P.O. Box 10566, Pittsburgh, Pa	SY3-1973
Foreign	Continental Comm Corp Ltd	Bundar Rd, Karachi, Pakistan	
Foreign	F J Sas & Son Ltd	296 Regent St, London W. 1, England	
	ANTON MACHINE WORKS	**1226 Flushing Ave, Brooklyn 37, NY**	
	ANTRONIC CORP	**2712 W. Montrose Ave, Chicago 18, Ill**	**IN3-4858**
Cal	Pessner Co	5788 Washington Blvd, Culver City, Cal	
Cal	Harriss-Koetke Sales	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Colo	Stan Clapp & Assoc	75 S. Cody St, Denver 15, Colo	BE3-6025
Fla	Winfield Sales	666 N. E. 125th St, N. Miami, Fla	PL1-5566
Ill	Samuel J Wiley	2060 Birchwood Ave, Chicago, Ill	SH3-6548
Ind	Charles Scheffler	1133 Navaho Trail, Indianapolis	CL3-5337
Md	George Coneen	6302 Lincoln Ave, Baltimore 9, Md	RO4-7189
Mass	Keene Sales Co	25 Tremont St, Boston 8, Mass	
Mich	Henschen-Jensen Co	2842 W. Grand Blvd, Detroit 2, Mich	
Minn	Ray Ripley	7222 St. James, S., Minneapolis, Minn	UN6-8682
Miss	L R Massey	304 Jefferson, Greenwood, Miss	
Mo	Carmine A Vignola Associates	Box 569, Jefferson City, Mo	5-1023
NY	Marty Bettan Sales	167-16 73rd Ave, Flushing 66, NY	OL7-6659
Ohio	Robert Peters Co	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Pa	George Coneen	614 Dutton Circle, Springfield, Pa	KI3-8641
Tenn	Dixie Elec Associates Inc	1021 8th Ave, S., Nashville, Tenn	AL5-4344
Tex	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	JU2411
Wash	Don Kohler	11532 4th, N.E., Seattle 55, Wash	
Canada	Cross Canada Electronics	67 Ontario St, Kitchener, Ontario, Canada	
Canada	Sybell Sales Co	276 Arlington St, Winnepeg, Manitoba, Canada	
Foreign	Barrie Byrd Services	1724 N. La Salle, Chicago, Ill	DE7-2795
	APAHOUSER CORP	**1312 Boylston St, Boston, Mass**	**KE6-1223**
	APECO	**2100 W. Dempster, Evanston, Ill**	**BR3-2100**
	APEX COATED FABRICS CO	**12 E. 22 St, New York 10, NY**	**SP7-3140**
Cal	Herbert A Cohen Co	1421 Paloma St, Los Angeles, Cal	
Cal	Herbert A Cohen Co	116 New Montgomery St, San Francisco	
Ill	Herman Rabin	30 N. La Salle St, Chicago, Ill	
Mo	Tamsky Moss Kingsley	1000 Washington Ave, St. Louis, Mo	
Ore	Edward Aiken Co	309 S. W. 3rd Ave, Portland	
Pa	Ervin H Goldman	P.O. Box 5031, Philadelphia, Pa	
Canada	Terry C Stapley	52 Jarvis St, Toronto, Canada	
	APEX MACHINE CO	**14-15 110 St, College Point, NY**	**FL8-2010**
	APEX WIRE & CABLE CORP	**237 37 St, Brooklyn 32, NY**	**SO8-4004**
	APPALACHIAN ELECTRONIC INSTR	**812 W. Moorse Ave, Roosevelt, W. Va**	**MI 7-5855**
	APPARATUS DEVELOPMENT CO., INC	**Drawer 153, Wethersfield 9, Conn**	**JA9-5186**
Ariz	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles, Cal	
Cal	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles, Cal	
Conn	W Pray Sales Co	44 Washington, Wellesley Hills, Mass	
Iowa	Zimmer Sales	5620 Woodward Ave, Merriam, Kan	HE2-1121
Kan	Zimmer Sales	5620 Woodward Ave, Merriam, Kan	HE2-1121
La	Lucas Sales Co	Box 8506, Dallas 16, Tex	
Me	W Pray Sales Co	44 Washington, Wellesley Hills, Mass	
Mass	W Pray Sales Co	44 Washington, Wellesley Hills, Mass	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Miss	Lucas Sales Co	Box 8506, Dallas 16, Tex
Mo	Zimmer Sales	5620 Woodward Ave Merriam, Kan
Mont	Zimmer Sales	5620 Woodward Ave, Merriam, Kan
Neb	Zimmer Sales	5620 Woodward Ave, Merriam, Kan
NH	W Pray Sales	44 Washington, Wellesley Hills, Mass
NM	Koessler Sales Co	818 N. Fairfax Ave, L A 46, Cal
NC	L Roddey	Box 11302, Charlotte, NC
Okla	Lucas Sales	Box 8506, Dallas 16, Tex
RI	W Pray Sales	44 Washington, Wellesley Hills, Mass
SC	L Roddey	Box 11302, Charlotte, NC
SD	Zimmer Sales	5620 Woodward Ave, Merriam, Kan
Tenn	L Roddey	Box 11302, Charlotte, NC
Tex	Lucas Sales	Box 8506, Dallas, Tex
Vt	W Pray Sales	44 Washington, Wellesley Hills, Mass
Va	L Roddey	Box 11302, Charlotte, NC
	APPLETON ELECTRIC CO	**1701 W. Wellington, Chicago 13, Ill** — **EA7-7200**
Ala	Appleton Electric Co	2201 Highland Ave, Birmingham, Ala
Cal	Appleton Elec Co	1485 Bayshore Blvd, San Francisco
Cal	Appleton Elec Co	6450 E. Bandini Blvd, Los Angeles 22
Cal	Appleton Electric Co	301 W. "G" St, San Diego, Cal
Colo	Appleton Electric Co	Denver, Colo
Fla	Appleton Elec Co	Clearwater, Fla
Fla	Appleton Elec Co	Ft. Lauderdale, Fla
Ga	Appleton Electric Co	726 Monroe Dr, N.E., Atlanta, Ga
Ind	Appleton Electric Co	506 Norton Ave, Indianapolis, Ind
La	Appleton Electric Co	833 Howard Ave, New Orleans, La
Md	Appleton Electric Co	Lutherville, Md
Mass	Appleton Electric Co	10 High St, Boston, Mass
Mich	Appleton Electric Co	18035 James Couzens Hwy, Detroit 35
Mich	Appleton Electric Co	Grand Rapids 8, Mich
Minn	Appleton Electric Co	523 S. 7th St, Minneapolis 15, Minn
Mo	Appleton Electric Co	3242 Gillham Plaza, Kansas City 5, Mo
Mo	Appleton Electric Co	6609 Clayton Rd, St. Louis 1, Mo
NJ	Appleton Electric Co	Belmar, NJ
NY	Appleton Electric Co	11 Park Pl, New York 7, NY
NY	Appleton Electric Co	250 Delaware Ave, Buffalo 2, NY
NC	Appleton Electric Co	309 Wilder Bldg, Charlotte 2, NC
Ohio	Appleton Electric Co	1836 Euclid Ave, Cleveland, Ohio
Ohio	Appleton Electric Co	3533 Epley Rd, Cincinnati, Ohio
Okla	Appleton Electric Co	2239 E. Sixth St, Tulsa 4, Okla
Pa	Appleton Electric Co	7100 W. Chester Pike, Upper Darby, Pa
Pa	Appleton Electric Co	Ofc D-549 Lincoln Ave, Pittsburgh 2, Pa
Tenn	Appleton Electric Co	166 Monroe Ave, Memphis, Tenn
Tex	Appleton Electric Co	2115 Richmond Ave, Houston, Tex
Tex	Appleton Electric Co	P.O. Box 3061, El Paso, Tex
Tex	Appleton Electric Co	130 Casa Linda Plaza, Dallas 18, Tex
Wash	Appleton Electric Co	1033 Sixth Ave, S., Seattle, Wash
Wisc	Appleton Electric Co	Green Bay, Wisc
Wisc	Appleton Electric Co	Milwaukee, Wisc
	APPLIED DYNAMICS CORP	**330 Bear Hill Rd, Waltham, Mass**
	APPLIED DYNAMICS CORP	**330 Bear Hill Rd, Waltham, Mass** — **TW4-7010**
Ala	W A Brown & Associates Inc	3405 Look Out Dr, Huntsville, Ala
Cal	Instruments For Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal
Cal	Instruments For Measurements	3150 El Cajon Blvd, San Diego, Cal
Cal	Instruments For Measurements	251 S. Murphy Ave, Sunnyvale, Cal
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City
Fla	W A Brown & Associates Inc	711 Magnolia, Orlando, Fla
Md	W A Brown & Associates Inc	7610 Knollwood Rd, Towson 3, Md
Md	W A Brown & Associates Inc	504 Hodges Ln, Severna Park, Md
Mass	Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM
NY	DuBovy Associates	144-45 35th Ave, Flushing, NY
NC	W A Brown & Associates Inc	1707 Princeton St, S.W., Winston-Salem
Tex	Texas Avionics Co	5748 N. Central Expwy, Dallas 6, Tex
Utah	F Y Gates Co	200 S. Main St, Salt Lake City, Utah
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va
Foreign	Bendix International	205 E 42nd St, New York 17, NY
	APPLIED DYNAMICS INC	**P. O. Box 2068, Ann Arbor, Mich** — **NO2-4493**
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio
Ohio	S Sterling Co	363 W. First St, Dayton 2, Ohio
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa
	APPLIED ELECTRONICS CO	**213 E. Grand Ave, S. San Francisco, Cal** — **PL6-4100**
	APPLIED ELECTRONICS CORP	**22 Center St, Metuchen, NJ** — **LI9-1500**
Cal	Parlmuth Elec Associates	5057 W. Washington Blvd, L A 16, Cal
DC	Applied Electronics Corp	733 15th St, N.W., Wash 5, DC
NJ	Bonn Associates	New St, Metuchen, NJ
Foreign	Industrial Imports Ltd	P.O. Box 1271 Central Post Office, Tokyo, Japan
	APPLIED MAGNETICS CORP	**P. O. Box 368, Goleta, Cal** — **WO7-2016**
Colo	Missile Accessories Corp	458 S. 3rd East St, Salt Lake City 11, Utah
Kan	Indel Supply Inc	538 S. Louis Ave, Tulsa, Okla
Okla	Indel Supply Inc	538 S. Louis Ave, Tulsa, Okla
Tex	Indel Supply Inc	2022 Farrington St, Dallas 7, Tex
Utah	Missile Accessories Corp	458 S. 3rd East St, Salt Lake City 11, Utah
	APPLIED PHYSICS CORP	**2724 S. Peck Rd, Monrovia, Cal** — **HI6-7181**
Ala	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Ark	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Conn	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Del	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
DC	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Fla	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Ga	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Ill	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
Ind	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
Iowa	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
Kan	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
Ky	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
La	George Kincaid	2911 W. Touhy Ave, Chicago, Ill
Me	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Md	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Mass	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
Mich	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Minn	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Miss	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Mo	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
NH	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
NJ	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
NY	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
NC	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
ND	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Ohio	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Okla	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Pa	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
RI	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes, NJ
SC	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes
SD	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Tenn	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Tex	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
Vt	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes
Va	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes
W. Va	Arthur W Kronk	714 Hamburg Tmpk, Pompton Lakes
Wisc	George Kincaid	2911 W. Touhy Ave, Chicago 45, Ill
	APPLIED RADIATION CORP	**2404 N. Main St, Walnut Creek, Cal** — **YE5-2250**
	APPLIED RESEARCH INC	**76 S. Bayles Ave, Port Washington, NY** — **PO7-8707**
Ala	Col-lins Co., Inc	64 E. Central Ave, Orlando, Fal
Ariz	Ed G Miller Jr	210 Cagna Dr, N.E., Albuquerque, NM
Cal	Technology Associates	2939 Wilshire Blvd, Santa Monica, Cal
Colo	Scientific Inst Co	1460 Pennsylvania St, Denver 3, Colo
Conn	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
Del	Jay Co	2420 Wilson Blvd, Arlington, Va
DC	Jay Co	2420 Wilson Blvd, Arlington, Va
Fla	Col-lins Co., Inc	64 E. Central Ave, Orlando, Fla
Ga	Col-lins Co., Inc	64 E. Central Ave, Orlando, Fla
Ill	D R Hausten	607 E. Wilton Ave, Wheaton, Ill
Iowa	D R Hausten	607 E. Wilton Ave, Wheaton, Ill
Me	Instrument Dynamics, Inc	11 Albion St, Wakefield, Mass
Md	Jay Co	2420 Wilson Blvd, Arlington, Va
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
Miss	Col-lins Inc	64 E. Central Ave, Orlando, Fla
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
NJ	Comtronic Associates	1551 Franklin Ave, Mineola, NY
NJ	Holdsworth & Co	P.O. Box 71, Lansdowne, Pa
NM	Ed G Miller Jr	P.O. Box 8306, Albuquerque, NM
NY	John Lightstone Associates	515 Comstock Ave, Syracuse, NY
NY	Comtronic Associates	1551 Franklin Ave, Mineola, NY
NC	Col-lins Inc	64 E. Central Ave, Orlando, Fla
Okla	Ed G Miller Jr	P.O. Box 8306, Albuquerque, NM
Pa	Holdsworth & Co	P.O. Box 71, Lansdowne, Pa
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
SC	Col-lins Inc	64 E. Central Ave, Orlando, Fla
Tenn	Col-lins Inc	64 E. Central Ave, Orlando, Fla
Tex	Ed G Miller Jr	P.O. Box 8306, Albuquerque, NM
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
Va	Jay Co	2420 Wilson Blvd, Arlington, Va
Wisc	D R Hausten	607 E. Wilton Ave, Wheaton, Ill
Canada	Electroline TV Equipment Inc	5757 Decelles Ave, Mont, Que
	APPLIED RESEARCH LABS INC	**P.O. Box 1710, Glendale 5, Cal** — **CH5-5524**
Ala	Eugene Williams	P.O. Box 67, Seabrook, Tex
Alaska	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Ariz	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Ark	Eugene Williams	P.O. Box 67, Seabrook, Tex
Colo	Eugene Williams	P.O. Box 67, Seabrook, Tex
Conn	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Del	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
DC	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Fla	Eugene Williams	P.O. Box 67, Seabrook, Tex
Ga	Eugene Williams	P.O. Box 67, Seabrook, Tex
Hawaii	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Idaho	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Ill	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Ind	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Iowa	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Kan	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Ky	Wm H Martin	Box 332, Hiram, Ohio
La	Eugene Williams	P.O. Box 67, Seabrook, Tex
Me	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Md	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Mass	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Mich	L J LaBoule	20200 W. Outer Dr, Dearborn 8, Mich
Minn	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Miss	Eugene Williams	P.O. Box 67, Seabrook, Tex
Mo	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Mont	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Neb	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Nev	A E Bernhard	3717 Park Pl, Glendale 8, Cal
NH	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
NJ	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
NM	A E Bernhard	3717 Park Pl, Glendale 8, Cal
NY	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
NC	H W Calkins	3215 Longwood Dr, Pittsburgh 27, Pa
ND	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Ohio	Wm H Martin	Box 332, Hiram, Ohio
Okla	Eugene Williams	P.O. Box 67, Seabrook, Tex
Ore	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Pa	H W Calkins	3215 Longwood Dr, Pittsburgh 27, Pa
RI	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
SC	Eugene Williams	P.O. Box 67, Seabrook, Tex
SD	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Tenn	Eugene Williams	P.O. Box 67, Seabrook, Tex
Tex	Eugene Williams	P.O. Box 67, Seabrook, Tex
Utah	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Vt	J E Van Dien	36 Cumberland Rd, Glen Rock, NJ
Va	H W Calkins	3215 Longwood Dr, Pittsburgh 27, Pa
Wash	A E Bernhard	3717 Park Pl, Glendale 8, Cal
W. Va	H W Calkins	3215 Longwood Dr, Pittsburgh 27, Pa
Wisc	Alan Goldblatt	2454 W. 38th St, Chicago 32, Ill
Wyo	A E Bernhard	3717 Park Pl, Glendale 8, Cal
Foreign	Wm H Barry	Montchoisi 9, Lausanne, Switzerland (021) 25 83 83
Foreign	William Ramsden	Luton Rd, Harpenden, Herts, England
	APPLIED TECHNOLOGY INC	**930 Industrial Ave, Palo Alto, Cal** — **DA1-5135**
	ARCH GEAR WORKS INC	**97 Holmes St, Quincy 71, Mass** — **GR1-9600**
Cal	Dunhan Smith Electronics	15308 Parmount Blvd, Parmount, Cal
Conn	Robert W Gray Inc	47 Deforest St, Watertown, Conn
Fla	Arch Gear Inc	4336 E. 10th Ct, Hialeah, Fla
Mass	Robert W Gray Inc	572 Washington St, Wellesley, Mass
Mich	Jack Weston	32116 Red Clover Rd, Farmington, Mich
NM	Robert Birdsong	P.O.Box 452, Caldwell, NJ
	ARCO ELECTRONICS INC	**64 White St, New York 13, NY** — **WO6-0530**
	ARCO TRANSFORMER & ELECTRIC CORP	**1602 S. Hanna St, Ft. Wayne, Ind** — **HA4113**
Cal	Will Connelly	Lamardia Los Angeles, Cal
Ind	Elmer Jordan	2024 Glen Dr, Jackson, Mich
Mich	Elmer Jordan	2024 Glen Dr, Jackson, Mich
Ohio	Elmer Jordan	2024 Glen Dr, Jackson, Mich
	ARDENTE ACOUSTIC LABS LTD	**8/12 Minerva Rd, London N.W. 10, England** — **EL3923**
DC	British Radio Electronics Ltd	1833 Jefferson Pl, W., Washington 6, DC
	ARDWIN MICROLAB INC	**21 Spencer St, Stoneham 80, Mass** — **NO5-4330**
Cal	Lance Industries Inc	2028 Stoner Ave, W. Los Angeles 25, Cal
DC	James R Eberly	1700 K St, N.W., Washington, DC
Fla	V Avis McCorvey Co	105 Howard Ave, Decatur, Ga
Ga	V Avis McCorvey Co	105 Howard Ave, Decatur, Ga
Md	James R Eberly	1700 K St, N.W., Washington, DC
NJ	Hyred Associates	1016 Berlin Rd, Haddonfield, NJ
NY	Hyred Associates	1016 Berlin Rd, Haddonfield, NJ
NC	V Avis McCorvey Co	105 Howard Ave, Decatur, Ga
Pa	Hyred Associates	1016 Berlin Rd, Haddonfield, NJ
SC	V Avis McCorvey Co	105 Howard Ave, Decatur, Ga
Tenn	V Avis McCorvey Co	105 Howard Ave, Decatur, Ga
Va	James R Eberly	1700 K St, N.W., Washington, DC
	ARENBERG ULTRASONIC LAB INC	**94 Green St, Jamaica Plain 30, Mass** — **JA2-8640**
	ARGONNE ELECTRONICS MFG CORP	**165-11 South Rd, Jamaica 33, NY** — **OL7-7528**
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla
NJ	H A Steinberg Corp	880 Bergen Ave, Jersey City, NJ
NY	H A Steinbergh Corp	880 Bergen Ave, Jersey City, NJ
	ARGOS PRODUCTS CO., INC	**301 Main St, Geneva, Ill** — **4-5118**
Ala	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
Alaska	M K Widdekind Co	222 1st Ave, N. Seattle 9, Wash
Ariz	Wes Alderson Co	P.O. Box 34678, Los Angeles 34, Cal
Ark	W R Hays Co	P.O. Box 12204, Dallas, Tex
Cal	Wes Alderson Co	P.O. Box 34678, Los Angeles, Cal
Cal	Meyer & Ross	113 10th St, San Francisco, Cal
Colo	Koether Cox Co	110 W. 13th Ave, Denver 4, Colo
Conn	Coakley Sales Office	148 Needham St, Boston 61, Mass
Del	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
DC	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
Fla	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
Ga	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
Hawaii	Meyer & Ross	113 10th St, San Francisco 3, Cal
Idaho	M K Widdekind Co	222 1st Ave, N. Seattle 9, Wash
Idaho	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
Ill	G Mc L Cole Co	6514 W. Higgins, Chicago 31, Ill
Ill	Clemenson-Larrabee Co	436 W. 79th St, Kansas City 10, Mo
Ind	Southern Sales Co	Box 105, Angola, Ind
Iowa	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo
Kan	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo
Ky	Southern Sales Co	Box 105, Angola, Ind
La	W R Hays Co	P.O. Box 12204, Dallas, Tex
Me	Coakley Sales Office	148 Needham, Boston 61, Mass
Md	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
Mass	Coakley Sales Office	148 Needham St, Boston 61, Mass
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich
Minn	Wm Engelbretson Co	906 Ottawa Ave, St. Paul 7, Minn
Miss	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
Mo	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo
Mont	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
Mont	M K Widdekind Co	222 1st Ave, N. Seattle 9, Wash
Neb	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo
Neb	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
Nev	Meyer & Ross	113 10th St, San Francisco, Cal
Nev	Wes Alderson Co	P.O.Box 34678, Los Angeles 34, Cal
NH	Coakley Sales Office	148 Needham St, Boston 61, Mass
NJ	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
NM	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
NY	W J Callahan	156 S. Edwards Ave, Syracuse 6, NY
NY	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
NC	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
ND	Wm Engelbretson Co	906 Ottawa Ave, St. Paul 7, Minn
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio
Okla	W R Hays Co	P.O. Box 12204, Dallas 30, Tex
Ore	M K Widdekind Co	222 1st Ave, N. Seattle 9, Wash
Pa	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio
Pa	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
RI	Coakley Sales Office	148 Needham St, Boston 61, Mass
SC	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
SD	Wm Engelbretson Co	906 Ottawa Ave, St. Paul 7, Minn
Tenn	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta, Ga
Tex	W R Hays Co	P.O. Box 12204, Dallas 30, Tex
Tex	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
Utah	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo
Vt	Coakley Sales Office	148 Needham St, Boston 61, Mass
Va	Robert Finlay	Lincoln Bldg, Ridgewood, NJ
Wash	M K Widdekind Co	222 1st Ave, N. Seattle 9, Wash
W. Va	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio
Wisc	G Mc L Cole Co	6514 W. Higgins, Chicago 31, Ill
Wisc	Wm Engelbretson Co	906 Ottawa Ave, St. Paul 7, Minn

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Foreign	Robum Agencies Inc	431 Greenwich St, New York 13, NY	WO6-2130
	ARGUS CAMERAS INC SUB OF SYLVANIA	**405 4th St, Ann Arbor, Mich**	**NO2-6511**
	ARIES LABORATORIES INC	**225 Greenwich Ave, Stamford, Conn**	**DA5-4124**
	ARIZONA INSTRUMENT CORP	**3829 N. 39th Ave, Phoenix, Ariz**	**AP8-2379**
Ariz	M D Hecht Associates	5019 E. Cheery Lynn Rd, Phoenix, Ariz	WH5-7771
Cal	West Eleven Inc	8961 Sunset Blvd, Los Angeles 46, Cal	CR4-7578
Colo	M D Hecht Associates	5019 E. Cheery Lynn Rd, Phoenix, Ariz	WH5-7771
Del	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
DC	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
Idaho	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
Ill	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Ind	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Ky	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Md	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
NJ	Travco Associates	45 N. Sta Plaza, Great Neck, NY	HU7-9666
NM	M D Hecht Associates	5019 E. Cheery Lynn Rd, Phoenix, Ariz	WH5-7771
NY	Travco Associates	45 N. Sta Plaza, Great Neck, NY	HU7-9666
NC	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
Pa	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
Utah	M D Hecht Associates	5019 E. Cheery Lynn Rd, Phoenix, Ariz	WH5-7771
Va	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
W. Va	Chet Paddock	8616 Georgia Ave, Silver Springs, Md	JU9-6554
	ARKAY ENGINEERING INC	**1630 Euclid St, Santa Monica, Cal**	**EX3-6959**
	ARLIN MFG CO	**12 Perkins St, Lowell, Mass**	**GL4-6751**
	ARLO ELECTRONICS CORP	**22 Warren Dr, Syosset, NY**	**WA1-1302**
	ARMCO STEEL CORP	**703 Curtis St, Middletown, Ohio**	**GA2-2711**
	ARNEL ELECTRONICS INC	**840 Fifth Ave, Brooklyn 32, NY**	**ST8-0422**
Ariz	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
Nev	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
	ARMOUR ELECTRONICS	**4201 Redwood Ave, L A 66, Cal**	**EX1-5201**
	ARMSTRONG BROS TOOL CO	**5200 W. Armstrong, Chicago 46, Ill**	**RO3-3333**
Cal	Armstrong Bros Tool Co	67 11th St, San Francisco 3, Cal	UN1-5837
NY	Armstrong Bros Tool Co	199 Lafayette St, New York 12, NY	CA6-5670
	ARMSTRONG CORK CO	**Lancaster, Pa**	**EX7-0411**
	ARMSTRONG PRODUCTS CO	**P.O. Box 1-EB, Warsaw, Ind**	**AM7-3226**
Ariz	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Cal	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Colo	R S Hughes Co., Inc	2811 W. 9th St, Denver 4, Colo	KE4-5531
Idaho	R S Hughes Co., Inc	1107 Bailey St, Seattle, Washington	PA5-5750
Mont	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	KE4-5531
Nev	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
NM	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Ore	R S Hughes Co., Inc	1107 Bailey St, Seattle, Wash	PA5-5750
Utah	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Wash	R S Hughes Co., Inc	1107 Bailey St, Seattle, Wash	PA5-5750
Wyo	R S Hughes Co., Inc	2811 W. 9th Ave, Denver, Colo	KE4-5531
	ARNHOLD CERAMICS INC	**1 E. 57th St, New York 22, NY**	**PL5-8213**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ariz	James C Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
Cal	The Charrett Co	7410 W. 85th St, Los Angeles, Cal	SP6-2655
Cal	Wm W Tompkins Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Cal	Claude C Frantz Co	701 S. Gramercy Dr, Los Angeles, Cal	DU7-1166
Cal	Nickerson Gray & Associates	P.O. Box 295, Sta A, Palo Alto, Cal	
Colo	James E Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
Conn	Saunders & Co	8 Prospect St, Waltham, Mass	TW4-6071
Del	Frank L Jones Co	2835 Holme Ave, Philadelphia, Pa	
DC	Frank L Jones Co	2835 Holme Ave, Philadelphia, Pa	
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Idaho	James E Gray Co	P.O. Box 3026, Denver, Colo	EA3-7917
Ill	Albert H Bruning Co	1758 Lawrence Ave, Chicago, Ill	
Ind	Doug Cook & Associates	3055 N. Meridian St, Indianapolis, Ind	
Ky	Doug Cook & Associates	3055 N. Meridian St, Indianapolis, Ind	
Me	Saunders & Co	8 Prospect St, Waltham, Mass	TW4-6071
Md	Frank L Jones Co	2835 Holme Ave, Philadelphia, Pa	
Mass	Saunders & Co	8 Prospect St, Waltham, Mass	TW4-6071
Mont	James E Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
NH	Saunders & Co	8 Prospect St, Waltham, Mass	TW4-6071
NJ	Frank L Jones Co	2835 Holme Ave, Philadelphia, Pa	
NM	James E Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
NY	Irving Becker Co	535 E. 14th St, New York City, NY	PL7-6454
Ohio	Edward E Bock & Associates	3870 W. 212th St, Cleveland, Ohio	ED1-5212
Okla	Tom Spiney Co	P.O. Box 13321, Houston, Tex	
Pa	Frank L Jones Co	2835 Holme Ave, Philadelphia, Pa	
SC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tex	Tom Spiney Co	P.O. Box 12321, Houston, Tex	
Tex	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	
Utah	James E Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
Vt	Saunders & Co	8 Prospect St, Waltham, Mass	TW4-6071
Wyo	James E Gray Co	P.O. Box 3026, Denver, Colo	EA2-7917
	ARNOLD ENGINEERING CO	**P.O. Box G, Marengo, Ill**	**AM3-6300**
Ala	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Ariz	Arnold Engineering Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU8-0361
Ark	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Cal	Arnold Engineering Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU8-0361
Colo	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Conn	Arnold Engineering Co	610 E. Palisade Ave, Englewood, NJ	LO7-4640
Del	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
DC	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Page Park, Fort Myers, Fla	WE6-2181
Ga	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Idaho	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
Ind	Arnold Engineering Co	1801 E. DeLoss St, Indianapolis, Ind	ME9-5231
Iowa	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Ky	Arnold Engineering Co	1801 E. DeLoss St, Indianapolis, Ind	ME9-5231
La	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Me	Arnold Engineering Co	49 Waltham St, Lexington, Mass	VO2-2804
Md	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Mass	Arnold Engineering Co	49 Waltham St, Lexington, Mass	VO2-2804
Mich	Arnold Engineering Co	1304 W. Michigan Ave, Jackson, Mich	ST4-5663
Minn	Frank B Elam	6524 Walker St, Minneapolis 16, Minn	WE9-5141
Miss	Arnold Engineering Co	20 E. martin St, Raleigh, NC	VA8-3270
Mo	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Mont	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
Neb	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Nev	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
NH	Arnold Engineering Co	49 Waltham St, Lexington, Mass	VO2-2804
NJ	Arnold Engineering Co	610 E. Palisade Ave, Englewood, NJ	LO7-4640
NM	Arnold Engineering Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU8-0361
NY	Brace-Mueller-Huntley Inc	1807 Elmwood Ave, Buffalo 7, NY	VI8700
NC	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
ND	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Ohio	Arnold Engineering Co	8905 Lake Ave, Cleveland 2, Ohio	OL1-1242
Okla	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Ore	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
Pa	Arnold Engineering Co	610 E. Palisade Ave, Englewood, NJ	LO7-4640
Pa	Brace-Mueller-Huntley Inc	1807 Elmwood Ave, Buffalo 7, NY	VI8700
Pa	Arnold Engineering Co	8905 Lake Ave, Cleveland 2, Ohio	OL1-1242
RI	Arnold Engineering Co	49 Waltham St, Lexington, Mass	VO2-2804
SC	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
SD	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Tenn	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Tex	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Utah	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
Vt	Arnold Engineering Co	49 Waltham St, Lexington, Mass	VO2-2804
Va	Arnold Engineering Co	20 E. Martin St, Raleigh, NC	VA8-3270
Wash	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2450
W. Va	Arnold Engineering Co	20 E Martin St, Raleigh, NC	VA8-3270
Wisc	Frank W Ladky Associates Inc	4604 N. Wilson Dr, Milwaukee 4, Wisc	WO2-2940
Wyo	Arnold Engineering Co	111 E. Gregory Blvd, Kansas City 14, Mo	HI4-7839
Foreign	Sylvan Ginsbury Ltd	8 W, 40th St, New York 18, NY	LO4-7585
Canada	Bayly Engineering Ltd	Ajax, Ontario, Canada	EM2-3741
	ARNOLD MAGNETICS CORP	**6850 W. Jefferson, L A 16, Cal**	**VE7-5313**
Ohio	Dayton Associates	3017 Snow Rd, Cleveland 34, Ohio	TU6-3525
Ohio	Dayton Associates	1318 Talbott Tower, Dayton 2, Ohio	BA3-9621
Ohio	Dayton Associates	4924 Zula Ave, Cincinnati 38, Ohio	BL1-2349
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585
	ARNOUX CORP	**11924 W. Washington Blvd, Los Angeles 66, Cal**	**UP0-5371**
Alaska	Hawthorne Electronics	700 S. E. Hawthorne, Portland 14, Ore	
Cal	H W Ruby Associates	802 Foothill Blvd, LaCanada, Cal	MU1-5845
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4646
Conn	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Fla	Perrott Associates	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Idaho	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4646
Ill	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Iowa	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Kan	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Me	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Mass	General Measurements Co	1108 Beacon St, Newton Highlands 61	WO9-9150
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Neb	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
NH	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	WO9-9150
NJ	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NJ	Fred F Bartlett Co	P.O. Box 126, Wayne, Pa	
NM	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4646
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	
Ore	Hawthorne Electronics	700 S.E. Hawthorne, Portland 14, Ore	
Pa	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	
Pa	Fred F Bartlett Co	P.O. Box 126, Wayne, Pa	
RI	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Utah	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4646
Vt	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Wash	Hawthorne Electronics	700 S.E. Hawthorne, Portland 14, Ore	
Canada	Hawthorne Electronics	700 S.E. Hawthorne, Portland 14, Ore	
	ARRA CORP	**29 Bond St, Westbury, NY**	**ED4-8770**
Ala	V Avis Mc Convey Co	2248 3rd St, N.W., Birmingham 15, Ala	
Ark	Fred Gross & Co	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Cal	West Eleven Inc	8961 Sunset Blvd, L A 46, Cal	CR4-7578
Conn	Measurment Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Del	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
DC	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
Fla	V Avis Mc Convey Co	706 San Juan Blvd, Orlando, Fla	
Ga	V Avis Mc Convey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Ill	Claude Booth & Associates	4000 W. North Ave, Chicago, Ill	CA7-2810
La	Fred Gross & Co	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Me	Measurment Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Md	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
Mass	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Miss	V Avis Mc Convey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
NH	Measurment Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
NJ	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
NY	H A F Associates	330 E. 70th St, New York 21, NY	RE7-1330
NC	V Avis Mc Convey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Ohio	Donald E Webb & Associates	Wright-Patterson AFB, Area B, Ohio	BA8-1081
Pa	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
RI	Measurment Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
SC	V Avis Mc Convey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Tenn	V Avis Mc Convey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Tex	Fred Gross & Co	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Vt	Measurment Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Va	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
Wisc	Claude Booth & Associates	4000 W. North Ave, Chicago, Ill	CA7-2810
Canada	E E Whittaker & Co	2137 Niagara Dr, Ottawa, Ont, Canada	CE4-4686
	ARRO EXPANSION BOLT CO	**P.O. Box 398, Dept. Q, Marion, Ohio**	
	ARROW-HART & HEGEMAN ELECTRIC CO	**103 Hawthorn St, Hartford 6, Conn**	**CH9-8471**
	ART WIRE & STAMPING CO	**227 High St, Newark 2, NJ**	**HU4-2100**
	ARTISAN ELECTRONICS CORP	**171 Ridgedale Ave, Morristown, NJ**	**JE8-8500**
Ala	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Cal	Allan Cochrane Co	2215 S. El Camino, San Mateo, Cal	FI5-7981
Cal	Claude C Frantz Co	701 Gramercy Dr, Los Angelos, Cal	DU7-1166
Conn	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
Del	Tyler Griffin Co	32 Fairfield Rd, Devon, Pa	MU8-4821
DC	Tyler Griffin Co	32 Fairfield Rd, Devon, Pa	MU8-4821
Fla	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Ga	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Ill	Stevens Engineering Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-0432
Ind	Stevens Engineering Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-0432
Me	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
Md	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Mass	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
Minn	Stevens Engineering Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-0432
NH	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
NJ	Frank Tylinski Co	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
NY	Frank Tylinski Co	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
NC	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
RI	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
SC	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Tenn	Lynd A Walkling	Box 3045, Atlanta 17, Ga	DR3-8346
Vt	Automation Services Co	548 Forest St, Rockland, Mass	TR7-4192
Va	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Wash	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Wisc	Stevens Engineering Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-0432
	ARTISAN METAL WORKS CO	**11410 Madison Ave, Cleveland 2, Ohio**	**LA1-6173**
Ohio	John C Lee	2111 Carew Tower, Cincinnati, Ohio	CH1-1844
	ARTOS ENGINEERING CO	**2237 S. 28th St, Milwaukee, Wisc**	**MI5-6010**
	ARTRONIC INSTRUMENT CO	**11232 Triangle Ln, Silver Spring, Md**	**LO5-4447**
	ARTTED CO., INC	**367 Worthington St, Springfield 3, Mass**	**RE3-3944**
Conn	Hathaway Electronics	P.O. Box 797 Canaan, Conn	TA4-7215
Ind	Ralph J Haffey Co	6629 Coldwater Rd, Fort Wayne, Ind	TR7381
Mass	Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
NJ	Frank Higgins Associates	1931 W. High St, Haddon Hts, NJ	HA9-4030
Pa	Ray T Pearson	1125 York Rd, Abington, Pa	TU7-0186
	ARVEY CORP	**3500 N. Kimbell Ave, Chicago 18, Ill**	**DI3-1400**
NJ	Arvey Corp	300 Communipaw Ave, Jersey City 4, NJ	DE3-5000
	ARVIN INDUSTRIES INC RADIO & TELEVISION DIV	**Columbus, Ind**	
	ARWOOD CORP	**321 W. 44th St, New York 36, NY**	**JU2-4210**
Cal	Pacific Component Sales	315 W. 9 St, Los Angeles, Cal	MA2-0808
Cal	Dean Lewis Associates	4385 Piedmont Ave, Oakland, Cal	OL4-0613
Conn	Engineered Specialties Co	378 N. Cherry St, Wallingford, Conn	CO9-2076
Fla	Mesco Inc	2617 Jewel Rd, Largo, Fla	JU2-1171
Ill	S E Gregory & Co	332 S. Michigan Ave, Chicago 4, Ill	WA2-2977
Ind	H W Oshry & Co	705 Thornwood, Crawfordsville, Ind	EM2-0800
Md	W R Mc Dorman	Box 4592, Baltimore 12, Md	ID5-3997
Mass	Brown-Pfau	30 Estabrook Rd, Shrewsbury, Mass	VI5-3871
Mich	Carl H Schmidt Co	16405 W. 8 Mile Rd, Detroit 35, Mich	BR3-8500
Minn	R G Eide Inc	209 Washington Ave, N., Minneapolis 1	FE8-4846
Mo	Holtgreve & Co	25 S. Bemiston, St. Louis 5, Mo	PA5-6602
NC	G S Patton & Associates	Municipal Airport Term, Charlotte, NC	EX2-1233
NJ	Orsi-Bowker	35 Lackawanna Pl, Bloomfield, NJ	PI8-7850
NY	Associates Sales Co	2851 Morgan Dr, Forest City, Wantagh	SU1-6524
Ohio	Bronson & Co	797 N. Main St, Akron 10, Ohio	PO2-7407
Pa	A R Diamond & Co	259 W. Johnson St, Philadelphia 44, Pa	GE8-2850
Tex	Standard Parts & Equipment Co	904 N. Main St, Fort Worth, Tex	ED6-2521
Wash	The Houston Co	N. Annex, King Co Airp, Seattle, Wash	PA5-7990
Wisc	R L Hundley Co	1937-49 W. Fond DuLac Ave, Milwaukee	WE3-2464
	ASCO WIRE & CABLE CO	**2 Burroughs St, Bridgeport 7, Conn**	**ED6-1864**
	ASCOP DIV ELECTRO-MECHANICAL RESEARCH INC	**P.O. Box 44, Princeton, NJ**	**SW9-1000**
	ASHEVILLE-SCHOONMAKER MICA CO	**900 Jefferson Ave, Newport News, Va**	**CH4-7311**
Ariz	Marwood Limited	320 E. 3rd St, Los Angeles 13, Cal	
Cal	Marwood Limited	320 E. 3rd St, Los Angeles 13, Cal	
Cal	Marwood Limited	357 9th St, San Francisco 3, Cal	HE1-7893
Del	John M Hansen	P.O. Box 329, Brielle, NJ Manasquan Castle 3-1881	
Idaho	Marwood Limited	209 S. W. 1st Ave, Portland, Ore	
Ill	H F Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
Ind	H F Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
Me	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
Md	John M Hansen	P.O. Box 329, Brielle, NJ Manasquan Castle 3-1881	
Mass	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
Mich	H Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
Mich	James H Sheehan	19115 Detroit Rd, Rocky River, Ohio	ED1-4433
Minn	H Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
Mo	H Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
Nev	Marwood Limited	357 9th St, San Francisco 3, Cal	HE1-7893
NH	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
NJ	C P Barry/J M Hansen	271 Church St, New York 13, NY	WO6-4550
NY	J M Hansen	P.O. Box 329, Brielle, NJ Manasquan Castle 3-1881	
NY	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
NY	James H Sheehan	19115 Detroit Rd, Rocky River, Ohio	ED1-4433
Ohio	James H Sheehan	19115 Detroit Rd, Rocky River, Ohio	ED1-4433
Ore	Marwood Limited	209 S.W. 1st Ave, Portland, Ore	
Pa	J H Sheehan	19115 Detroit Rd, Rocky River, Ohio	ED1-4433
Pa	John M Hansen	P.O. Box 329, Brielle, NJ	CA3-1881
RI	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
Tex	Lawrence Sales Co	P.O. Box 13025, Dallas, Tex	FL2-7484
Vt	Charles P Barry	271 Church St, New York 13, NY	WO6-4550
Wash	Marwood Limited	1714 1st Ave S., Seattle 4, Wash	
Wisc	H F Grindstaff/R Wickland	1608 N. Meade Ave, Chicago 39, Ill	BE7-7373
	ASHLAND ELECTRIC	**32-02 Queens Blvd, Long Island**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	PRODUCTS INC	**City 1, NY**	**EX2-4010**
Cal	William J Purdy Co	312 Seventh St, San Francisco,	UN3-3300
Cal	Thomas L Stevens Co., Inc	15222 S. Grevillea, Lawndale, Cal	OR6-4782
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Ill	D Dolin Sales Co	3553 W. Peterson Ave, Chicago	JU8-3738
Ill	S Sargis	7125 N. Laramie Ave, Skokie,	OR4-8606
NY	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	FR9-3836
Ore	Pacific Electric Sales Co	140 S.E. 28th St, Portland, Ore	BE5-4137
Pa	Danco Corp	Germantown Pike, Fairview Village,	BR5-2600
	ASQUITH CO., S A	**427 W. Chevy Chase Dr, Glendale, Cal**	**CD-2879**
Ariz	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Ark	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Cal	Joe F Sodaro Co	9440 Culver Blvd, Culver City, Cal	
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
Conn	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	PL3-8187
DC	Massey Associates	529 Brookhurst Ave, Narberth, Pa	
Ill	Henry J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	WO8-7085
Ind	Henry J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	WO8-7085
Iowa	Maury E Bettis Co	1575 Henderson Dr, Marion, Iowa	
Kan	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	
Me	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	
Md	Massey Associates	529 Brookhurst Ave, Narberth, Pa	
Mass	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	
Mich	Jack Rathsburg	4140 Van Dyke, Detroit, Mich	
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
NH	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	
NJ	Massey Associates	529 Brookhurst Ave, Narberth, Pa	
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
Okla	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash	
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh, Pa	
RI	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	
Tex	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Utah	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
Vt	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	
Va	Massey Associates	529 Brookhurst Ave, Narberth, Pa	
Wash	J K Dooley Co	3215 Western Ave, Seattle, Wash	
W. Va	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh, Pa	
Wisc	Henry J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	
Wyo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
	ASSEMBLY PRODUCTS INC	**75 Wilson Mills Rd, Chesterland 4, Ohio**	**HA3-3131**
Cal	Electronic Engrg Associates Ltd	1295 Laurel St, San Carlos,	LY3-2189
Cal	Hafstrom-Thompson Co	16212 ventura Blvd, Encino,	ST6-0800
Mass	Electronic Sales & Services	Box 35, Newton Centre 59, Mass	KE6-8581
NJ	Tom Swiler	277 Franklin Ave, Wyckoff, NJ	TW1-0590
NY	Technical Sales Inc	228 Maple Dr, Fayetteville,	GI6-1780
Pa	Lloyd Rowe	309 Lindsay St, Ridley Park, Pa	LE4-9722
Tex	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Canada	Aeromotive Engrg Prods Ltd	147 Hymus Blvd, Pointe Claire, Que, Can	ME1-4396
Canada	Aeromotive Engrg Prods Ltd	1912-A Avenue Rd, Toronto, Ont, Canada	RU3-4288
	ASSOCIATED AMERICAN WINDING MACHINERY INC	**754 St. Ann's Ave, New York 56, NY**	**CY2-5050**
Ill	Assoc Amer Winding Machy Inc	5935 W. Grand Ave, Chicago 39,	TU9-0700
Mich	Production Machy Sales Co., Inc	4845 St. Aubin Ave, Detroit 7,	TE2-4711
	ASSOCIATED COMMODITY CORP	**620 5th Ave, New York 20, NY**	**CI5-6150**
	ASSOCIATED ENGINEERING CORP	**65 Kent St, Brookline 46, Mass**	**AS7-4664**
Ariz	J T Hill Co	318 W. State Ave, Phoenix,	CR7-0506
Cal	J T Hill Co	420 S. Pine St, San Gabriel,	CU3-6555
Cal	J T Hill Co	1864 Bacon St, San Diego 7,	AC3-7133
Cal	J T Hill Co	1682 Laurel St, San Carlos,	LY3-7693
Ohio	Thompco Electronic Co	Box 181, N. Dayton Sta, Dayton 4,	BE3-3551
	ASSOCIATED ENGINEERING & MFG CORP	**Glen Ridge, NJ**	**PI3-8899**
Cal	Wendell T Kershner	6534-1/2 Whittier Blvd, Los Angeles,	
	ASSOCIATED RESEARCH INC	**3788 W. Belmont Ave, Chicago 18, Ill**	**CO7-4040**
Ala	A C Craft Jr & Associates	Box 11716, Northside Sta, Atlanta, Ga	CE3-9944
Alaska	Hill-Blare Inc	549 W. Washington Blvd, Chicago, Ill	AN3-6420
Cal	Brenner-Fiedler & Associates Inc	7563 Melrose Ave, Los Angeles 46, Cal	WE6-7128
Cal	California Instrument Co	351 10th St, San Francisco 3, Cal	UN3-0350
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Conn	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
Del	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
DC	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
Ga	A C Craft Jr & Associates	Box 11716, Northside Sta, Atlanta 5, Ga	CE3-9944
Hawaii	Hill-Blare Inc	549 W. Washington Blvd, Chicago, Ill	AN3-6420
Ill	Gordon Karraker	260 Paul Brown Bldg, St. Louis 1, Mo	CE1-3666
Ill	Harry Wilson	620 10th St, Moline, Ill	2-7113
Ind	Law Instrument Co	P.O. Box 95, Angola, Ind	217
Iowa	Conrad R Bangh	524 W.O.W. Bldg, Omaha 2, Neb	AT4232
Iowa	Karraker & Harry	620 10th St, Moline, Ill	2-7113
Iowa	Karraker & Harry	620 10th St, Moline, Ill	CE2-7113
Kan	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
Ky	Engineering Specialties	8115 Camargo, Madeira, Cincinnati, Ohio	LO1-6803
La	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
La	Industrial Instrument Works	3328 Magazine St, New Orleans 15, La	TW5-5621
Me	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
Md	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
Mass	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
Mich	Morris F Jacobs Co	2218 N. 3rd St, Milwaukee 12, Wisc	LO2-5690
Mich	Electro-Motion Associates	4012 E. 9 Mile Rd, Warren, Mich	JE9-1420
Minn	Klass Co., Inc	814 S. 9 St, Minneapolis 4, Minn	FE8-8427
Mo	Gordon Karraker	260 Paul Brown Bldg, St. Louis 1, Mo	CE1-3666
Neb	Conrad R Bangh	524 W.O.W. Bldg, Omaha 2, Neb	AT4232
Nev	Brenner-Fiedler & Associates Inc	7563 Melrose Ave, Los Angeles 46, Cal	WE6-7128
NH	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
NJ	Kahant Associates	11 Park Pl, New York 7, NY	CO7-5326
NJ	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NY	Kahant Associates	11 Park Pl, New York 7, NY	CO7-5326
NY	H J Rittenhouse Co	543 Clinton Ave, S. Rochester 20, NY	BA5-2340
NY	J F Wulfetange Jr	4505 E. Genesee St, Dewitt 14, NY	GI6-3330
NC	A C Craft & Associates	Box 11716, Northside Sta, Atlanta, Ga	CE3-9944
ND	Klass Co., Inc	814 S. 9th St, Minneapolis 4, Minn	FE8-8427
Ohio	Engineering Specialties	8115 Camargo Rd, Madeira, Cincinnati	LO1-6803
Ohio	W H Bollinger	P.O. Box 6088, Pittsburgh 16, Pa	LO1-2340
Ohio	Law Instrument Co	P.O. Box 95, Angola, Ind	217
Ohio	L H Waldrip Co	3030 Euclid Ave, Cleveland 15, Ohio	EX1-4242
Okla	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Pa	W H Bollinger	Box 8088, Pittsburgh 16, Pa	LO1-2340
Pa	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
Pa	L H Waldrip Co	3030 Euclid Ave, Cleveland 15, Ohio	EX1-4242
RI	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
SC	A C Craft Jr & Associates	Box 11716, Northside Sta, Atlanta, Ga	CE3-9944
SD	Klass Co., Inc	814 S. 9th St, Minneapolis 4, Minn	FE8-8427
Tenn	Walter I Sell & Co	211 W. Cumberland Ave, Knoxville 15	2-1386
Tex	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Utah	Parrish Electronics	1804 S., St. Paul, Denver 10, Colo	SK6-9455
Vt	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
Va	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
W.Va	W H Bollinger	Box 8088, Pittsburgh 16, Pa	LO1-2340
Wisc	Morris F Jacobs Co	2218 N. 3rd St, Milwaukee 12, Wisc	LO2-5690
Wyo	Parrish Electronics	1804 S., St. Paul, Denver 10, Colo	SK6-9455
Foreign	Hill-Blare Inc	549 W. Washington Blvd, Chicago 6, Ill	AN3-6420
	ASSOCIATED SPECIALTIES CO	**1751 Main St, Orefield, Pa**	**EX5-1275**
	ASSOCIATED SPRING CORP	**18 Main St, Bristol, Conn**	**LU3-1331**
Ala	Ohio Div	1825 E. First St, Dayton 3, Ohio	CL3-5135
Ariz	Kiva Sales Co	3701 E. Indian School Rd, Phoenix, Ariz	AM6-2413
Ark	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Cal	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Colo	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Idaho	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Ill	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Ind	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Iowa	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Kan	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Ky	Ohio Div	1825 E. First St, Dayton 3, Ohio	CL3-5135
La	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Mich	B-G-R Div	40300 Plymouth Rd, Plymouth 2, Mich	GL3-6100
Minn	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Miss	Ohio Div	1825 E. First St, Dayton 3, Ohio	CL3-5135
Mo	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Mont	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Neb	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Nev	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
NM	Kiva Sales Co	3701 E. Indian School, Phoenix, Ariz	AM6-2413
Ohio	Ohio Div	1825 E. First St, Dayton 3, Ohio	CL3-5135
Okla	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Ore	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Pa	Raymond Mfg Div	Corry, Pa	2-8241
SD	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Tenn	Ohio Div	1825 E. First St, Dayton 3, Ohio	CL3-5135
Tex	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Utah	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Wash	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
W. Va	Raymond Mfg Div	Corry, Pa	2-8241
Wisc	Gibson Div	P.O. Box 336, Mattoon, Ill	AD5-5601
Wyo	Seaboard Pacific Div	15001 S. Broadway, Gardena, Cal	FA1-1400
Canada	Wallace Barnes Co Ltd	274 Sherman Ave, N., Hamilton, Ont, Can	LI5-1172
Foreign	Associated Spring of P Rico Inc	P.O. Box 217, Carolina, Puerto Rico	SA8-0294
	ASSOCIATED TESTING LABS INC	**107 Rt 46, Wayne, NJ**	**CL6-2800**
Ala	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Ariz	B J Wolfe Enterprises	P.O. Box 281, Northridge, Cal	DI5-2407
Ark	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Cal	B J Wolfe Enterprises	P.O. Box 281, Northridge, Cal	DI5-2407
DC	Arco Engineering Co	733 15th St, N.W., Washington, DC	EX3-5991
Fla	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Ga	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Hawaii	Allied International Corp	230 Park Ave, New York 17, NY	MU9-6125
La	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Miss	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Nev	B J Wolfe Enterprises	P.O. Box 281, Northridge, Cal	DI5-2407
NM	B J Wolfe Enterprises	P.O. Box 281, Northridge, Cal	DI5-2407
NC	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Ohio	Hugh Stobbs	2279 Seminole Ave, Springfield, Ohio	FA4-2002
Okla	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
SC	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Tenn	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Tex	Associated Testing Laboratories Inc	1112 Solana Ave, Orlando, Fla	MI4-1800
Foreign	Allied International Corp	230 Park Ave, New York 17, NY	MU9-6125
	ASTATIC CORP., THE	**Conneaut, Ohio**	**22656**
Ala	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
Alaska	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
Ariz	Bassett & Moore	12045 Magnolia, N. Hollywood, Cal	
Ark	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	
Cal	William J Purdy Co	312 7th St, San Francisco, Cal	
Colo	W H Connors Co	375 Birch St, Denver 20, Colo	
Conn	Harold A Chamberlin	Bedford Airport, Bedford, Mass	
Del	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	
DC	Lowery Associates Co	4508 Annapolis Rd, Bladensburg, Md	
Fla	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
Hawaii	Gordon Dougherty	149 Kaimi St, Kailua, Hawaii	
Idaho	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
Ill	William J Doyle Co	7002 N. Western, Chicago 45, Ill	
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
Ky	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis, Ind	
La	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	
Me	Harold A Chamberlin	Bedford Airport, Bedford, Mass	
Md	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	
Mass	Harold A Chamberlin	Bedford Airport, Bedford, Mass	
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
Mont	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
Neb	W H Connors Co	375 Birch St, Denver 20, Colo	
Nev	Bassett & Moore	12045 Magnolia, N. Hollywood, Cal	
Nev	William J Purdy Co	312 7th St, San Francisco, Cal	
NH	Harold A Chamberlin	Bedford Airport, Bedford Mass	
NJ	Jerry Kirshbaum & Co	1533 Peninsula Blvd, Hewlett, NY	
NM	W H Connors Co	375 Birch St, Denver 20, Colo	
NY	Jerry Kirshbaum & Co	1533 Peninsula Blvd, Hewlett, NY	
NY	Paston-Hunter Co	3307 Erie Blvd, E., Syracuse 14, NY	
NC	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
ND	Mel Foster	2402 Hennepin, Minneapolis, Minn	
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	
Okla	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	
Ore	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
Pa	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	
RI	Harold A Chamberlin	Bedford Airport, Bedford, Mass	
SC	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
SD	Mel Foster	2402 Hennepin, Minneapolis, Minn	
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	
Tenn	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	
Tex	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	
Utah	W H Connors Co	375 Birch St, Denver 20, Colo	
Vt	Harold A Chamberlin	Bedford Airport, Bedford, Mass	
Va	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	
Wash	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	
Wyo	W H Connors Co	375 Birch St, Denver 20, Colo	
Canada	Canadian Astatic Limited	2271-73 Danforth Ave, Toronto, Ontario, Canada	
Foreign	Roburn Agencies Inc	431 Greenwich, New York 13, NY	
	ASTRA TECHNICAL INSTRUMENT CORP	**3014 S. Halladay St, Santa Ana, Cal**	**KI5-9477**
Ariz	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
Cal	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
Colo	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
Iowa	Design Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	
Kan	Design Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	
Mo	Design Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	
Neb	Design Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	
Nev	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
NJ	Martin Electronic Mktg Org Inc	69 Greenwich St, Hemstead, NY	
NM	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
NY	Memo, Inc	69 Greenwich St, Hempstead, NY	
NY	General Measurements Co., Inc	1108 Beacon St, Newton Highlds 61, Mass	
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	
Ore	Hall Engineering Co	1430 130th N.E., Bellevue, Wn	
Pa	Memo Inc	69 Greenwich St, Hempstead, NY	
RI	General Measurements Co., Inc	1108 Beacon St, Newton Highlds 61, Mass	
Tex	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
Utah	Sanders & Sanders	18406 Calvert St, Reseda, Cal	
Vt	General Measurements Co., Inc	1108 Beacon St, Newton Highlds 61, Mass	
	ASTRON CORP	**255 Grant Ave, E. Newark, NJ**	**HU2-7800**
Ala	Paul Hayden Associates	P.O.Box 1931, Birmingham, Ala	AL1-8271
Ariz	Shephard-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
Ark	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Cal	Shephard-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
Colo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Conn	Arthur E Akeroyd Co	P.O. Box 84, Fairfield, Conn	ED3-6252
Del	Samuel A Jefferies Co	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jefferies Co	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Paul Hayden Associates	1060 N.E. 180th Terr, N. Miami Beach,	WI5-5793
Ga	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	PO6-0261
Idaho	Samuel N Stroum Co	P.O. Box 1339, Bway Sta, Seattle, Wash	EA3-6117
Ill	William F Swinke	541 Diversey Pkwy, Chicago 14, Ill	BI8-4343
Ind	E S Needler	Sta "C", Box 2407, Ft. Wayne 6, Ind	HA9726
Iowa	Kay Sales Co	2702 41st Pl, Des Moines, Iowa	
Kan	Kay Sales Co	400 N. Emporia St, Wichita, Kan	HO4-2893
Ky	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
La	The Texport Co	3629 S. Carrollton, New Orleans, La	
Me	Arthur E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
Md	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Arthur E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
Mich	R S Lohmann Co	12730 Fenkell, Detroit 27, Mich	UN2-9465
Minn	Nick Laub Co	3749 W. Broadway Ave, Minnpls 22, Minn	JU7-4663
Miss	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	PO6-0261
Mo	Kay Sales Co	7603 Forsyth, Clayton 5, Mo	PA7-3414
Mont	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Nev	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
NH	A E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
NJ	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NM	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
NY	H J Abbott	3939 Wicks Ave, Seaford, NY	SU1-5256
NC	Paul Hayden Associates	423 W. 5th St, Burlington, NC	CA7-3479
ND	Nick Laub Co	3749 W. Broadway, Minnpls 22, Minn	JU7-4663
Ohio	John O Olsen Co	4016 Dietti Ave, Cincinnati 36, Ohio	SY1-1297
Okla	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ore	Samuel N Stroum Co	6224 E. Burnside, Portland, Ore	CA7-5809
Pa	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Arthur E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
SC	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	PO6-0261
SD	Nick Laub Co	3749 W. Broadway, Minnpls 22, Minn	JU7-4663
Tenn	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	PO6-0261
Tex	The Texport Co	2147 Farrington, Dallas 7, Tex	RI7-5686
Utah	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Vt	Arthur E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
Va	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Samuel N Stroum Co	P.O. Box 1339, Broadway Sta, Seattle,	EA3-6117
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Wisc	Nick Laub Co	2333 W. Wells St, Milwaukee, Wisc	
Wyo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
	ASTROSYSTEMS INC	**220 E. 23rd St, New York 10, NY**	**MU9-6890**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ATCHLEY INC., RAYMOND	**2339 Cotner Ave, Los Angeles 64, Cal**	**GR9-8626**
	ATKINS & MERRILL INC	**49 Post Rd, S. Sudbury, Mass**	**HI3-8822**
DC	S A Cravotta	Box 5592, Arlington 5, Va	JE2-4891
	ATKOMATIC VALVE CO., INC	**545 W. Abbott St, Indianapolis, Ind**	**MEb-6545**
Cal	Brenner-Fiedler & Associates Inc	7563 Melrose Ave, Los Angeles, Cal	WE3-3811
Cal	Claude B Smith Co	844 E. 12th St, Oakland 6, Cal	TE2-0103
Colo	Rocket Components Co	2950 S. Fox St, Englewood, Denver,Colo	SU9-2548
Conn	Kahn & Co., Inc	541 Windsor St, Hartford 1, Conn	CH6-7431
Del	John C Whiddett Co	7714 W. Chester Pike, Up Darby, Pa	TR6-6400
DC	The Hildenbrand Co	732 Morningside Dr, Fairfax Va	CR3-2334
Fla	W Chester Smith	207 E. Broward Blvd, Ft. Lauderdale	JA4-7172
Idaho	Fred G Greaves Co	418 8th Ave, N. Seattle 9, Wash	MA3-0680
Ill	Smith & MacKay	8008 S. Ashland Ave, Chicago, Ill	RA3-4300
Ill	Zeppenfeld & Co	14 Westwood Forest, Kirkwood 22, Mo	TA2-2333
Kan	Zeppenfeld & Co	14 Westwood Forest, Kirkwood 22, Mo	TA2-2333
Ky	Richard Equipment Co	633 S. 5th St, Louisville, Ky	JU3-4646
La	Pneumatic & Hydraulic Co	770 Lakeland Dr, Baton Rouge, La	EL6-1918
Me	Pump Equipment & Engineering Co	79 Prospect St, Somerville 43, Mass	MO6-4444
Md	The Hildenbrand Co	732 Morningside Dr, Fairfax, Va	CR3-2334
Mass	Pump Equipment & Engineering Co	79 Prospect St, Somerville 43, Mass	MO6-4444
Mich	L W Jeffries Co	16722 E. Warren Ave, Detroit, Mich	TU2-9551
Minn	John L Schmidt Co	1879 University Ave, Minnpls, Minn	MI6-6383
Miss	Pneumatic & Hydraulic Co	770 Lakeland Dr, Baton Rouge, La	EL6-1918
Mo	Zeppenfeld & Co	14 Westwood Forest, Kirkwood 22, Mo	TA2-2333
Nev	Claude B Smith Co	844 E. 12th St, Oakland 6, Cal	TE2-0103
NH	Pump Equipment & Engineering Co	79 Prospect St, Somerville 43, Mass	MO6-4444
NJ	Gale Engineering Co	136 Liberty St, New York 6, NY	RE2-1105
NJ	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR6-6400
NM	Rocket Components Co	2950 S. Fox St, Englewood, Denver, Colo	SU9-2548
NY	Lane Engineering Co	1807 Elmwood Ave, Buffalo 7, NY	RI0770
NY	Gale Engineering Co	136 Liberty St, New York 6, NY	RE2-1105
NY	George O Miller Co	639 S. Warren St, Syracuse 2, NY	HA2-5004
NC	Mec-Tric Control Co	3811 St. Mary Ave, Charlotte, NC	FR6-8531
Ohio	Richard Equipment Co	2994 Woodburn Ave, Cincinnati, Ohio	AV1-5283
Ohio	Commercial Electric Co	1250 St. Clair Ave, Cleveland, Ohio	CH1-2886
Ohio	Controlamatic Co	345 Mt. Lebanon Blvd, Pittsburgh, Pa	LO3-4611
Ore	Fred G Greaves Co	8046 S. E. Mill St, Portland 15, Ore	PR4-1388
Pa	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR6-6400
Pa	Controlamatic Co	345 Mt. Lebanon Blvd, Pittsburgh, Pa	LO3-4611
RI	Pump Equipment & Engineering Co	79 Prospect St, Somerville, Mass	MO6-4444
SC	Mec-Tric Control Co	3811 St. Mary Ave, Charlotte, NC	FR6-8531
Tex	Southwestern Controls	4716 Eli St, Houston 19, Tex	UN2-8874
Utah	Rocket Components Co	2950 S. Fox St, Englewood, Denver, Colo	SU9-2548
Vt	Pump Equipment & Engineering Co	79 Prospect St, Somerville, Mass	MO6-4444
Va	The Hildenbrand Co	732 Morningside Dr, Fairfax, Va	CR3-2334
Wash	Fred G Greaves Co	418 8th Ave, N., Seattle 9, Wash	MA3-0680
W. Va	Controlamatic Co	345 Mt. Lebanon Blvd, Pittsburgh, Pa	LO3-4611
Wisc	C A Ekstrom Co	2734 W. Wells St, Milwaukee, Wisc	DI2-8440
Wyo	Rocket Components Co	2950 S. Fox St, Englewood, Denver, Colo	SU9-2548
	ATLANTIC INDIA RUBBER WKS INC	**571 W. Polk St, Chicago 7, Ill**	
	ATLANTIC RESEARCH CORP	**Shirley Hwy at Edsall Rd, Alexandria, Va**	**FL4-3400**
Cal	U S Flare Div	Saugus, Cal	NE1400
Cal	Atlantic Research Corp	2805 E. Foothill Blvd, Pasadena	MU1-9590
Foreign	Sanritsa Shoji Co Ltd	2-Chome Nishi-Hatchobori, Tokyo, Japan	
Foreign	Frie	13 Rue Duc, Paris 18 E., France	
Canada	Electro Mechanical Products	Markham Rd, Agincourt, Ontario, Canada	
	ATLANTIC TRANSFORMER CORP.	**30 Hynes Ave, Groton, Conn**	**HI5-9768**
Conn	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Ill	Dwight Smith Associates	9 South River St, Aurora, Ill	TW7-5752
Ind	Dwight Smith Associates	9 South River St, Aurora, Ill	TW7-5752
Me	Bahr Sales Co	Birch Hill Rd, New Durham, NH	TR5-4539
Mass	Bahr Sales Co	16 Westfield Rd, Natick, Mass	OL3-9291
Mass	Bahr Sales Co	462 Granby Rd, Chicopee, Mass	LY2-3213
NH	Bahr Sales Co	Birch Hill Rd, New Durham, NH	TR5-4539
NJ	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5577
NY	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5577
RI	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Vt	Bahr Sales Co	Birch Hill Rd, New Durham, NH	TR5-4539
Wisc	Dwight Smith Associates	9 S. River St, Aurora, Ill	TW7-5752
	ATLANTIC WIRE & CABLE CORP.	**119-14 14 Rd, College Point, NY**	**FL3-4242**
Ala	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Cal	Rudat Sales Co	636 Waverley St, Palo Alto, Cal	DE2-5252
DC	Jack K Poff	7 Brookside Terr, N. Caldwell, NJ	
Fla	George Harmon	1060 N.E. 180 Terr, N. Miami Beach, Fla	
Ind	Charles Scheffler	1133 Navajo Trail, Indianapolis	CL3-6337
Md	Jack K Poff	7 Brookside Terr, N. Caldwell, NJ	
Mich	Fred Rosenwasser	13769 Cedar Rd, Cleveland, Ohio	FA1-0463
NJ	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
NY	Kubrick & Yuman	475 S. Franklin St, Hempstead, NY	IV3-7230
NC	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Ohio	Charles Scheffler	1133 Navajo Trail, Indianapolis, Ind	CL3-6337
Pa	Dick Kaiser	4302 Embur Terr, Easton, Pa	BL3-0605
SC	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Va	Jack K Poff	7 Brookside Terr, N. Caldwell, NJ	
	ATLAS COIL INC	**63 Main St, Ansonia, Conn**	**RE5-4628**
	ATLAS CONTROLS INC	**9 Erie Dr, Natick, Mass**	**OL5-1550**
Mass	Anthony Brown Inc	21 Arlington Rd, Melrose, Mass	NO5-8124
NJ	M A Seliga & Co	201 Parry Rd, Riverton, NJ	TA9-1702
	ATLAS ENGINEERING CO., INC.	**176 Blue Hill Ave, Roxbury, Mass**	**HI5-7100**
Idaho	McMillan Electronics	10111 S.W. 62nd Ave, Portland 19, Ore	CH4-7830
Kan	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mo	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mont	McMillan Electronics	10111 S.W. 62nd Ave, Portland 19, Ore	CH4-7830
NJ	George J Hepp Co	46 River Ave, Monmouth Beach, NJ	BL8-9122
NY	George J Hepp Co	46 River Ave, Monmouth Beach, NJ	BL8-9122
Okla	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Ore	McMillan Electronics	10111 S.W. 62nd Ave, Portland 19, Ore	CH4-7830
Pa	Mike Seliga	201 Parry Rd, Riverton, NJ	TA9-1702
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Wash	McMillan Electronics	10111 S.W. 62nd Ave, Portland 19, Ore	CH4-7830
	ATLAS ENGINEERING CORP	**26 Custer St, West Hartford 10, Conn**	**CH6-5651**
	ATLAS FIBER CO	**6970 N.Central Pk Ave, Chicago 45, Ill**	**HO5-1236**
	ATLAS PRECISION PRODUCTS CO	**3801 Custer Ave, Philadelphia 24, Pa**	
Ariz	Wright Engineering Co	180 E. California Blvd, Pasadena, Cal	MU1-8488
			SY3-5995
Cal	Wright Engineering Co	180 E. California Blvd, Pasadena, Cal	MU1-8488
			SY3-5995
	ATLAS RESISTOR CO	**1128 Madison St, Chester, Pa**	
	ATLAS SCREW & SPECIALTY CO., INC	**450 Broome St, New York 13, NY**	**WO6-0600**
	ATLAS SOUND CORP	**1449 39th St, Brooklyn 18, NY**	**GE8-5500**
Ala	Paul Hayden Associates	P.O. Box 1931, Birmingham, Ala	
Alaska	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	MA3-8882
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Cal	F W Mouthrop Co	575 10th, San Francisco 3, Cal	MA1-0722
Colo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Fla	Paul Hayden Associates	1060 N.E. 180th Terr, N. Miami Beach,	
Ga	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	
Hawaii	Dougherty Enterprises	P.O. Box 188, Lanikai, Hawaii	
Ill	Bruce Cumming & Associates Inc	6029 Belmont Ave, Chicago, Ill	WE7-3770
Ind	Thomas & Sukup Inc	5226 N. Keystone, Indianapolis, Ind	CL1-4574
Mass	H A Chamberlin	Bedford Airport, Bedford, Mass	CR4-0044
Md	Lowery Associates Co	4508 Annapolis Rd, Bladensburg, Md	
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit	BR3-3652
Minn	Clark R Gibb	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Mo	Forrestal Young Sales Co	8147 Delmar Blvd, St. Louis, Mo	PA5-7701
Mo	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
NY	Irv Brown Co	1500 Carroll St, Brooklyn, NY	HY3-1379
NC	Paul Hayden Associates	423 Guthrie St, Burlington, NC	
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Pa	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Pa	Lowery Associates Co	1501 Allison, Harrisburg, Pa	
Tex	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	LA6-7238
Wash	Northwestern Agencies	4130 1st Ave, S, Seattle, Wash	MA3-8882
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto, Ontario, Canada	RU1-6174
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
	ATLEE COMPONENTS INC	**8220 Lankershim Blvd, N. Hollywood, Cal**	**TR7-0755**
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7111
	ATLEE CORP	**47 Prospect St, Woburn, Mass**	**WE3-5390**
Ariz	C B Rush Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Ark	Al Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Cal	C B Rush Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Colo	Vinson Associates	Box 8363, University Park Sta, Denver 10	SU9-2851
Del	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
DC	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
Fla	E C Raymund & Associates	Box 8215, Madeira Beach, St. Petersburg 8,	WA1-9735
Ga	E C Raymund & Associates	Box 8215, Madeira Beach, St. Petersburg 8	WA1-9735
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	5214 Forest Ave, Ft. Wayne, Ind	EA7-7190
Iowa	Ellinger Sales Corp	309 Fourth Ave, S.E., Clarion, Iowa	
Kan	Ellinger Sales Corp	6427 Evergreen St, Berkeley 21, Mo	JA4-1116
La	Al Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Md	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
Mass	The Noone Co	P.O. Box 123, Cambridge, Mass	UN4-5739
Mich	Harvey Teplitz & Co., Inc	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Miss	Al Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Mo	Ellinger Sales Corp	6427 Evergreen St, Berkeley 21, Mo	JA4-1116
Mont	M K Widdekind Co	221 1st Ave, N. Seattle 9, Wash	AT4-4869
Nev	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
NJ	The Reed & Riddett Co	190 Riverveale Rd, Westwood, NJ	NO4-6250
NY	R P Kennedy Co	182 Mayflower Dr, Rochester 18, NY	BR1-6322
NY	The Reed & Riddett Co	1106 Jericho Trnpk, New Hyde Park, NY	FL4-6719
NC	E C Raymund & Associates	5412 Hilltop Circle, Charlotte, NC	ED3-2827
Ohio	Harvey Teplitz & Co., Inc	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ohio	Harvey Teplitz & Co., Inc	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Okla	M K Widdekind Co	222 1st Ave, N., Seattle 9, Wash	AT4-4869
Ore	M K Widdekind Co	222 1st Ave, N., Seattle 9, Wash	AT4-4869
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
Pa	Harvey Teplitz & Co., Inc	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Tenn	Al Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Tex	Kemp Engineering Co	2618 Mariana Dr, Dallas, Tex	
Va	Massey Association	111 Centeway, Greenbelt, Md	GR4-2071
Wash	M K Widdekind Co	222 1st Ave, N., Seattle 9, Wash	AT4-4869
Wisc	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Wyo	Vinson Associates	Box 8363, University Pk Sta, Denver, Colo	SU9-2851
Canada	Desser E E Ltd	441 St. Francois Xavier St, Montreal, Que	VI5-6570
	ATMO SEAL CO	**4321 Fielding St, Cincinnati 9, Ohio**	**TR1-3512**
Cal	Mulvin & Co	3843 E. Colorado St, Pasadena, Cal	MU1-4591
Conn	Abbett & Hustis	P.O. Box 52, Ridgefield, Conn	IO8-3200
Ill	Robert Schlercher Associates	1730 Fox Hill Rd, Indianapolis, Ind	CL3-0944
Ind	Robert Schlercher Associates	1730 Fox Hill Rd, Indianapolis, Ind	CL3-0944
Mass	Abbett & Hustis	16A Eaton Sq, Needham 92, Mass	HI4-5470
NH	Abbett & Hustis	16A Eaton Square, Needham 92, Mass	HI4-5470
NY	Atlas Products Corp	30 Rockefeller Plaza, New York 20, NY	CI7-5782
Ohio	Henger Fairfield Co	1812 Columbus Rd, Cleveland 13, Ohio	CH1-1018
Ohio	Henger Fairfield Co	101 N. High St, Columbus 15, Ohio	CA4-7510
Ohio	Henger Fairfield Co	124 E. 7th St, Cincinnati 2, Ohio	MA1-4749
Ore	Mulvin & Co	3843 E. Colorado St, Pasadena, Cal	MU1-4591
	ATMOSPHERE CONTROL CO., INC	**5315 Chester Ave, Philadelphia 43, Pa**	
	ATOHM ELECTRONICS	**7648 San Fernando Rd, Sun Valley, Cal**	**TR7-9873**
Ariz	Sheffler-Kahn Co	P.O. Box 1578, Phoenix, Ariz	AL8-7893
Ark	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Cal	Deere & Graham	1575 Laurel St, San Carlos, Cal	LY1-4423
Cal	Paul A Bjork	5111 Ewing St, San Diego 15, Cal	JU3-1507
Colo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Del	Robert Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9086
DC	Robert Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9086
Fla	Mark Electronic Sales Co	410 N.E. 147th Terr, North Miami 61, Fla	WI7-5080
Idaho	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Ill	Ridley Associates	1551 N. Austin, Chicago, Ill	
Ind	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis 44	HU8800
Iowa	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Kan	Boutros Instrument Laboratories	12511 E. 67th St, Kansas City 33, Mo	FL3-2973
Ky	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis 44	HU8800
La	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Md	Robert Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9086
Mich	Lee & Hale Co	10432 W. McNichols, Detroit 21, Mich	JN3-4161
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Mo	Boutros Instrument Laboratories	12511 E. 67th St, Kansas City 33, Mo	FL3-2973
Mont	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Nev	Deere & Graham	1575 Laurel St, San Carlos, Cal	LY1-4423
NJ	Robert Finlay	Lincoln Bldg, Ridgewood, NJ	OL2-0088
NM	Sheffler-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
NY	J V Costello	639 S. Warren St, Syracuse, NY	HA2-0532
NY	Robert Finlay	Lincoln Bldg, Ridgewood, NJ	OL2-0088
ND	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Ohio	Thomas P Andrews Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Okla	Packard Associates	Drawer 980, Tulsa 1, Okla	
Pa	Thomas P Andrews Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Pa	Robert Finlay	Lincoln Bldg, Ridgewood, NJ	OL2-0088
SD	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Tex	George Wenrwich & Associates	1210 Old Gate Ln, Rm 212, Dallas 18, Tex	DA1-2800
Utah	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Va	Robert Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9086
W. Va	Thomas P Andrews Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Foreign	Freeport Engineering Co	350 Fifth Ave, New York 1, NY	LO5-2488
Canada	Precision Electron Comp Ltd	50 Wingold St, Toronto 19, Ont, Can	RU1-6174
	ATOMIC ACCESSORIES INC	**811 W. Merrick Rd, Valley Stream, NY**	**CU5-9300**
Ala	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
Alaska	Atomic Associates Inc	1485 Bayshore Blvd, San Francisco, Cal	DE4-0515
Ariz	Atomic Associates Inc	2312 W. Redondo Beach, Gardena, Cal	FA1-4466
Ark	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Cal	Atomic Associates Inc	2312 W. Redondo Beach, Gardena, Cal	FA1-4466
Cal	Atomic Associates Inc	1485 Bayshore Blvd, San Francisco, Cal	DE4-0515
Colo	Atomic Associates Inc	2312 W. Redondo Beach, Gardena, Cal	FA1-4466
Del	Atomic Associates Inc	413 Johnson St, Jenkintown, Pa	WA7-4676
DC	Atomic Associates Inc	4926 Delray Ave, Bethesda 14, Md	OL6-1200
Fla	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
Ga	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
Hawaii	Atomic Associates Inc	2312 W. Redondo Bch Blvd, Gardena, Cal	FA1-4466
Idaho	Atomic Associates Inc	2312 W. Redondo Bch Blvd, Gardena, Cal	FA1-4466
Ill	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Ind	Atomic Associates Inc	30129 Minton, Livonia, Mich	GA1-7169
Iowa	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Kan	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Ky	Atomic Associates Inc	30129 Minton, Livonia, Mich	GA1-7169
La	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Me	Atomic Associates Inc	6A Muzzey St, Lexington 73, Mass	VO2-9500
Md	Atomic Associates Inc	4926 Delray Ave, Bethesda 14, Md	OL6-1200
Mass	Atomic Associates Inc	6A Muzzey St, Lexington 73, Mass	VO2-9500
Mich	Atomic Associates Inc	30129 Minton, Livonia, Mich	GA1-7169
Minn	Atomic Associates Inc	540 N.E. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Miss	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
Mo	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Mont	Atomic Associates Inc	2312 W. Redondo Bch Blvd, Gardena, Cal	FA1-4466
Neb	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Nev	Atomic Associates Inc	2312 W. Redondo Bch, Gardena, Cal	FA1-4466
NH	Atomic Associates Inc	6 A Muzzey St, Lexington 73, Mass	VO2-9500
NM	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
NC	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
ND	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Ohio	Atomic Associates Inc	3983 Wm Penn Hwy, Monroeville, Pa	EL1-1500
Ohio	Atomic Associates Inc	30129 Minton, Livonia, Mich	GA1-7169
Okla	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Ore	Atomic Associates Inc	1485 Bay Shore Blvd, San Francisco, Cal	DE4-0515
Pa	Atomic Associates Inc	413 Johnson St, Jenkintown, Pa	WA7-4676
Pa	Atomic Associates Inc	3983 William Penn Hwy, Monroeville, Pa	EL1-1500
RI	Atomic Associates Inc	6A Muzzey St, Lexington 73, Mass	VO2-9500
SC	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
SD	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Tenn	Atomic Associates Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE3-8295
Tex	Atomic Associates Inc	5635 Yale Blvd, Dallas 6, Tex	EM1-6081
Utah	Atomic Associates Inc	2312 W. Redondo Bch, Gardena, Cal	FA1-4466
Vt	Atomic Associates Inc	6A Muzzey St, Lexington 73, Mass	VO2-9500
Va	Atomic Associates Inc	4926 Del Ray Ave, Bethesda 14, Md	OL6-1200
Wash	Atomic Associates Inc	1485 Bay Shore Blvd, San Francisco, Cal	DE4-0515
W. Va	Atomic Associates Inc	3983 Wm Penn Hwy, Monroeville, Pa	EL1-1500
Wisc	Atomic Associates Inc	540 N. Lake Shore Dr, Chicago 11, Ill	MI2-6755
Wyo	Atomic Associates Inc	2312 W. Redondo Bch, Blvd, Gardena, Cal	
Foreign	Baird-Atomic Export Dept	33 University Rd, Cambridge 38, Mass	UN4-7420
	ATRONIC PRODUCTS INC	**1 Bala Ave, Bala-Cynwyd, Pa**	**GR7-1860**
Ill	Associated Materials Handling Ind	8605 S. Ashland Ave, Chicago 20, Ill	GL3-8427
Me	American Scale & Conveyer Inc	369 Neponse Ave, Dorchester 22, Mass	
Mass	American Scale & Conveyor Inc	369 Neponse Ave, Dorchester 22, Mass	AV2-7035
Mich	Applied Handling Equipment Inc	206 Architects Bldg, Brainard, Mich	TE3-8850
Mo	Koste Machinery Co., Inc	P.O. Box 383, Robertson, Mo	PE1-0540
NH	American Scale & Conveyer Inc	369 Neponse Ave, Dorchester 22, Mass	
Ohio	Ken Dimond Co	3455 Edwards Rd, Cincinnati 8, Ohio	TR1-1305
Ohio	Mechanical Equipment Co	3100 Prospect Ave, Cleveland, Ohio	EN1-6212
RI	American Scale & Conveyer Inc	369 Neponse Ave, Dorchester 22, Mass	
Wisc	Speaker Conveyor Sales Inc	316 E. Silver Spring Dr, Milwaukee 17,	WO2-8900
Canada	John Best Co	96 Kipling Ave, N., Toronto 18, Ontario	BE1-7633
	ATTLEBORO REFINING CO., INC.	**152 Union St, Attleboro, Mass**	**CA2-3705**
	AUBURN MFG CO., THE	**Pease Ave & Stock St, Middletown, Conn**	**DI6-6631**
	AUBURN PLASTICS INC	**Auburn, NY**	**AL3-3325**
Cal	George H Ross	7 Front St, San Francisco, Cal	EX2-8646
Conn	John C Kendall	4 Pond Rd, Easton, Conn	ED9-9785
Ill	Albert Bryan Inc	911 Busse Hwy, Park Ridge, Ill	TA3-6475
Ind	Albert Bryan Inc	911 Busse Hwy, Park Ridge, Ill	TA3-6475
Me	John C Kendall	4 Pond Rd, Easton, Conn	ED9-9785

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	John C Kendall	4 Pond Rd, Easton, Conn	ED9-9785
Mich	Lor-Mac Associates	403 Fisher Bldg, Detroit 2, Mich	TR1-7600
Minn	Albert Bryan Inc	911 Busse Hwy, Park Ridge, Ill	
Mo	Albert Bryan Inc	911 Busse Hwy, Park Ridge, Ill	
NH	J C Kendall	4 Pond Rd, Easton, Conn	ED9-9785
NJ	Joseph Meyer	1020 Evergreen Ave, Plainfield, NJ	6-3979
NY	Joseph Meyer	511 5th Ave, New York, NY	MU2-7048
Pa	N Grinnell	1418 Walnut St, Philadelphia, Pa	PE5-3520
Pa	Geo O'Neill	P.O. Box 41, Leetsdale, Pa	AT1-5930
RI	John C Kendall	4 Pond Rd, Easton, Conn	ED9-9785
Vt	John C Kendall	4 Pond Rd, Easton, Conn	ED9-9785
	AUDAX CO	**38-19 108th St, Corona 68, NY**	**DE5-3500**
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	Belchmber & French	1485 Bayshore Blvd, San Francisco 24	JU6-0406
Colo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Conn	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
Del	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
DC	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood, Fla	WA2-4430
Hawaii	Belchmber & French	1485 Bayshore Blvd, San Fran 24, Cal	JU6-0406
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Idaho	Gordon Moss Electronics	1530 13th Ave, Greeley, Colo	EL3-1452
Ill	Karet-Margolin Ind	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Ind	Karet-Margolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Kan	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Ky	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
La	J Y Schoonmaker	5328 Redfield, Dallas 35, Tex	LA6-7238
Me	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
Md	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Mass	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
Mich	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Mont	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Nev	Belchamber & French	1485 Bayshore Blvd, San Fran 24, Cal	JU6-0406
NH	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
NJ	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NM	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Okla	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	LA6-7238
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Pa	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
RI	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Utah	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Vt	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls, Mass	
Va	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Edwards-Lohse & Co	21-23 E. 9th St, Cleveland 15, Ohio	TO1-5753
Wisc	Karet-Margolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Wyo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Foreign	Morhan Exporting Corp	485 Broadway, New York 13, NY	WA5-1257
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto 19, Canada	RU1-6174
	AUDIO DEVICES INC	**444 Madison Ave, New York 22, NY**	**PL1-6640**
Cal	Audio Devices Inc	840 N. Fairfax Ave, Hollywood 46, Cal	OL3-2254
Cal	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles 46, Cal	OL3-1605
Cal	Meyer & Ross	113 Tenth St, San Francisco 3, Cal	HE1-0652
Colo	R G Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Ga	Hollingsworth & Still	Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Ill	Audio Devices Inc	5428 N. Milwaukee Ave, Chicago 30, Ill	NE1-9580
Kan	Zimmer Sales	5620 Woodward Ave, Merriam, Kan	HE2-1121
Mass	G Stanley Johnson	198 Old Billerica Rd, Bedford, Mass	CR4-7492
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-4457
NJ	G R Freifeld	4260 Parkview Apts, Collingswood 6, NJ	CO5-3821
NM	R G Bowen Co	2228A San Mateo Blvd, Albuquerque, NM	AL5-4603
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo 23, NY	DE0442
Ohio	Neal Bear Corp	3435 Streetsboro Rd, West Richfield, Ohio	OL9-3331
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis 4, Tenn	BR6-4442
Tex	Texport Co., The	2147 Farrington, Dallas 7, Tex	RI7-6886
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Alex L Clark Ltd	3751 Bloor St, W., Islington, Ont, Can	BE1-3303
	AUDIO ELECTRONIC CORP	**1345 W. Fond Du Lac Ave, Milwaukee, Wisc**	**CO4-9010**
	AUDIO EQUIPMENT CO., INC	**75 Harbor Rd, Port Washington, NY**	**PO7-0989**
	AUDIO INDUSTRIES INC	**Michigan City, Ind**	
	AUDIO INSTRUMENT CO., INC	**135 W. 14 St, New York 11, NY**	**ORS-7820**
	AUDIO-MASTER CORP	**17 E. 45th St, New York 17, NY**	**OX7-8725**
	AUDIOFAX ASSOCIATES INC	**P.O. Box 861, Stony Brook, NY**	**ST7-1310**
	AUDIONATION LABORATORIES	**7230 Clinton Rd, Upper Darby 13, Pa**	
	AUDIOSEARS CORP	**Shepard Hill Rd, Roxbury, NY**	**RO2261**
	AUDIOTEX MFG CO DIV G C TEXTRON ELECTRONICS INC	**412 S. Wyman St, Rockford, Ill**	**WO8-9661**
Ala	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Alaska	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV3160
Ariz	Harry A Moore Sales Co	305 Indian School Rd, Phoenix, Ariz	CR4-0060
Ark	W R Hays Jr	3416 Rosedale Ave, Dallas, Tex	LA1-1216
Cal	Dave Muir	612 E. Colman St, Altadena, Cal	SY7-0153
Cal	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-0652
Colo	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Conn	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Del	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
DC	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Fla	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Ga	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Hawaii	Jim Hastin	P.O. Box 2098, Honolulu 5, Hawaii	511-755
Idaho	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Ill	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Ill	Irving W Rose Marketing Associates	6-126 Merchandise Mart, Chicago 54, Ill	SU7-5246
Ind	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	AN793-X
Iowa	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Ky	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	AN793-X
La	W R Hays Jr	3416 Rosedale Ave, Dallas, Tex	LA1-1216
Me	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Md	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Mich	Jack M Thorpe	640 Hidden Ln, Detroit 36, Mich	TU4-4360
Minn	Stanley I Clothier Co	12 W. 58th St, Minnpls, Minn	TA5-1234
Miss	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Mo	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Mont	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Neb	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Nev	Meyer & Ross	113-10th St, San Francisco 3, Cal	HE1-0652
NH	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
NJ	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NJ	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	JU7-5888
NM	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
NY	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NY	Paston-Hunter Co	3307 Erie Blvd, E. Syracuse 14, NY	GI6-2180
NC	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
ND	Stanley I Clothier Co	12 W. 58th St, Minnpls, Minn	TA5-1234
Ohio	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	AN793-X
Okla	W R Hays Jr	3416 Rosedale Ave, Dallas, Tex	LA1-1216
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV3160
Pa	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Pa	Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
RI	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
SC	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
SD	Stanley I Clothier Co	12 W. 58th St, Minnpls, Minn	TA5-1234
Tenn	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Tex	E W R Hays Jr	3416 Rosedale Ave, Dallas, Tex	LA1-1216
Tex	W Harry A Moore Sales Co	305 Indian School Rd, Phoenix, Ariz	CR4-0060
Utah	Stan Clupfel & Associates	75 S. Cody Ct, Denver 26, Colo	BE3-6025
Vt	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Va	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV3160
W.Va	Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
Wisc	Irving W Rose Marketing Assoc	6-126 Merchandise Mart, Chicago 54, Ill	SU7-5246
Wisc	Stanley I Clothier	12 W. 58th St, Minnpls, Minn	TA5-1234
Wyo	Stanley I Clothier	12 W. 58th St, Minnpls, Minn	TA5-1234
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Ont, Can	RU1-6174
	AUDIOTRONICS CORP	**11057 Weddington St, P.O. Box 505, North Hollywood, Cal**	**TR7-0567**
	AUDIVOX INC	**123 Worcester St, Boston, Mass**	
	AUGAT BROTHERS INC	**33 Perry Ave, Attleboro, Mass**	**AT1-2202**
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
Ariz	Paul F Wiley Co	1632 Silverlake-Blvd, Los Angeles, Cal	NO3-8028
Cal	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles, Cal	NO3-8028
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY3-8224
Colo	Gordon Moss Electronics	1530 13th Ave, Greeley, Colo	
Conn	Stanley B Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Del	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
Idaho	Marsh Agencies	2601 First Ave, Seattle, Wash	
Idaho	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	
Ill	Ringland M Krueger	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Ind	Tant Enterprises	16257 Meyers Rd, Detroit 35, Mich	
Iowa	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE8206
Kan	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE8206
Me	Stanley B Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Md	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Stanley B Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Mich	Tant Enterprises	16257 Meyers Rd, Detroit 35, Mich	
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
Mo	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE8206
Mont	Gordon Moss Electronics	1530 13th Ave, Greeley, Colo	
Neb	Gordon Moss Electronics	1530 13th Ave, Greeley, Colo	
NH	Stanley B Pierce	583 Neponset St, Norwood, Mass	NO7-3164
NJ	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NM	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	
NY	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NY	Midstate Research Sales	327 Wellesley Rd, Syracuse, NY	GR8-8314
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Allen Mace Co	7601 Parkview Rd, Brecksville, Ohio	JA6-4323
Okla	Richard F Kimball	3824 Mockingbird Ln, Dallas, Tex	LA1-7876
Ore	Marsh Agencies	2601 First Ave, Seattle, Wash	
Pa	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Stanley B Pierce	583 Neponset St, Norwood, Mass	MO7-3164
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
SD	Northerport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	
Tex	Richard F Kimball	3824 Mockingbird Ln, Dallas, Tex	LA1-7876
Utah	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	
Vt	Stanley B Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Va	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Marsh Agencies	2601 First Ave, Seattle, Wash	
W. Va	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Ringland M Krueger	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Wyo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	
	AUREX CORP	**315 W. Adams St, Chicago 6, Ill**	
	AURORA EQUIPMENT CO	**Aurora, Ill**	
	AUSTENAL CO DIV HOWE SOUND CO	**224 E. 39th St, New York 16, NY**	**OX7-5656**
Cal	J M Unle	5166 Bascule, Woodland Hills, Cal	DI0-0652
Conn	Austenal Co	119 Ann St, Hartford, Conn	CH9-8593
Ill	Austenal Co	7001 S. Chicago Ave, Chicago, Ill	MU4-1312
Mass	Austenal Co	7 Willow St, Lynn, Mass	LY3-3390
NJ	Austenal Co	Roy St, Dover, NJ	FO6-3586
	AUSTIN INDUSTRIES INC	**133 E. Main St, Marlboro, Mass**	**TW4-6670**
	AUTO-SWAGE PRODUCTS INC	**255 Canal St, Shelton, Conn**	**RE5-3361**
Ariz	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
Cal	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
Colo	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
Iowa	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Kan	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Ky	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Mo	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Neb	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Nev	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
Ohio	George P Bray Co	11750 Shaker Blvd, Cleveland 20, Ohio	LO1-6150
Ore	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
Tenn	A V Doran Co	950 Francis Pl, St. Louis 5, Mo	PA5-3377
Wash	Irving C Foss	744 Faircourt Ln, Glendale 3, Cal	CI1-2594
	AUTOCRAT ELECTRONICS CO	**5024 Elm St, Skokie, Ill**	**OR3-0033**
	AUTOMATED CIRCUITS INC	**P.O. Box 38, Sta J, Buffalo 8, NY**	**LU9160**
	AUTOMATIC COIL CO., INC	**199 Sackett St, Brooklyn 31, NY**	**UL2-5454**
Cal	Western Electronic Enterprises	3348 W. Compton Blvd, Gardena, Cal	
Mo	W E Fry Co	406 W. 34 St, Kansas City 11, Mo	
NY	S F Foster Co	204 Southfield Dr, Fayetteville, NY	
NY	Irv Morse	2351 E. 65 St, Brooklyn 34, NY	
Canada	J C E Mitchell	17 Dacre Crescent, Toronto 3, Ontario, Canada	
	AUTOMATIC ELECTRIC SALES CORP	**Northlake, Ill**	**FI5-7111**
Ala	D C Leis	711 Magnolia Ave, Orlando, Fla	GA5-8343
Ariz	H M Caldren	4415 W. Pico Blvd, Los Angeles 19, Cal	WE8-2093
Ark	W M Lombardi	318 N. Pearl St, Dallas 1, Tex	RI2-2616
Cal	H M Caldren/J H Chillas	4415 W. Pico Blvd, Los Angeles 19, Cal	WE8-2093
Cal	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Colo	P J Mozola	2021 Main St, Kansas City 8, Mo	HA1-7575
Conn	A Grady	730 Third Ave, New York 17, NY	MU7-3050
Del	G W Downs	6816 Market St, Upper Darby, Pa	FL2-7023
DC	J P Costello	804 S. Columbus, Alexandria, Va	TE6-0068
Fla	D C Leis	711 Magnolia Ave, Orlando, Fla	GA5-8343
Ga	D C Leis	711 Magnolia Ave, Orlando, Fla	GA5-8343
Idaho	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Ill	P J Mozola	2021 Main St, Kansas City 8, Mo	HA1-7575
Ind	R A Gibson	2801 Far Hills Ave, Dayton 9, Ohio	AX9-6481
Ind	D M Roewer	New Center Bldg, Detroit 2, Mich	TR5-5511
Iowa	J M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Kan	P J Mozola	2021 Main St, Kansas City 8, Mo	HA1-7575
Ky	R A Gibson	2801 Far Hills Ave, Dayton 9, Ohio	AX9-6481
La	W M Lombardi	318 N. Pearl St, Dallas 1, Tex	RI2-2616
Me	A T Brennan	751 Main St, Waltham, Mass	TW9-8638
Md	G W Downs	6816 Market St, Upper Darby, Pa	FL2-7023
Md	J P Costello	804 S. Columbus St, Alexandria, Va	TE6-0068
Mass	A T Brennan	751 Main St, Waltham, Mass	TW9-8638
Mich	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Mich	D M Roewer	New Center Bldg, Detroit 2, Mich	TR5-5511
Minn	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Miss	W M Lombardi	318 N. Pearl, Dallas 1, Tex	RI2-2616
Mo	P J Mozola	2021 Main St, Kansas City 8, Mo	HA1-7575
Mont	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Neb	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Nev	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Nev	J H Chillas	4415 W. Pico Blvd, Los Angeles 19, Cal	WE8-2093
NH	A T Brennan	751 Main St, Waltham, Mass	TW9-8638
NJ	R O Cuevas	730 Third Ave, New York 17, NY	MU7-3050
NJ	G W Downs	6816 Market St, Upper Darby, Pa	FL2-7023
NM	W M Lombardi	318 N. Pearl St, Dallas 1, Tex	RI2-2616
NY	Hohberger/Cuevas/Grady	730 Third Ave, New York 17, NY	MU7-3050
NY	J F Harm	520 Granite Bldg, Rochester, NY	BA5-7784
NC	J P Costello	804 S. Columbus, Alexandria, Va	TE6-0068
ND	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Ohio	R A Gibson	2801 Far Hills Ave, Dayton 9, Ohio	AX9-6481
Ohio	D M Roewer	New Center Bldg, Detroit 2, Mich	TR5-5511
Okla	W M Lombardi	318 N. Pearl St, Dallas 1, Tex	RI2-2616
Ore	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Pa	G W Downs	6816 Market, Upper Darby, Pa	FL2-7023
Pa	R A Gibson	2801 Far Hills Ave, Dayton 9, Ohio	AX9-6481
Pa	D M Roewer	New Center Bldg, Detroit 2, Mich	TR5-5511
RI	A T Brennan	751 Main St, Waltham, Mass	TW9-8638
SC	D C Leis	711 Magnolia Ave, Orlando, Fla	GA5-8343
SD	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Tenn	J P Costello	804 S. Columbus St, Alexandria, Va	TE6-0068
Tex	W M Lombardi	318 N. Pearl, Dallas 1, Tex	RI2-2616
Utah	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
Vt	A T Brennan	751 Main St, Waltham, Mass	TW9-8638
Va	J P Costello	804 S. Columbus St, Alexandria, Va	TE6-0068
Wash	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
W. Va	R A Gibson	2801 Far Hills Ave, Dayton 9, Ohio	AX9-6481
W. Va	J P Costello	804 S. Columbus St, Alexandria, Va	TE6-0068
Wisc	T M Ross	7600 Hwy 7, Minneapolis 26, Minn	WE5-3481
Wyo	A D Boehm	1838 El Camino Real, Burlingame, Cal	OX7-4046
	AUTOMATIC METAL PRODUCTS CORP	**323 Berry St, Brooklyn 11, NY**	**EV6-6057**
Ala	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Ariz	Shephard-Winters Co	3193 Cahuenga Blvd, Hollywood, Cal	RI7-6886
Cal	Shephard-Winters Co	3193 Cahuenga Blvd, Hollywood, Cal	RI7-6886
Cal	L A Nott & Co	1061 Howard St, San Francisco, Cal	HE1-4738
Colo	Applied Engineering Products	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Conn	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
DC	J Onore	555 Winchester Ave, Union, NJ	EL5-0474
Fla	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Ga	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Idaho	Applied Engineering Products	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Ill	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Ind	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Iowa	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Me	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Md	J Onore	555 Winchester Ave, Union, NJ	EL5-0474

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Mass	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Mich	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU8-2390
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Nev	Shephard-Winters Co	3193 Cahuenga Blvd, Hollywood, Cal	RI7-6886
NH	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
NJ	E H Moore	6101 Joshua Rd, Whitemarsh, Pa	CH7-7122
NJ	J Onore	555 Winchester Ave, Union, NJ	EL5-0474
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore, NY	DE0484
NY	M Ross	550 5th Ave, New York, NY	JU6-0653
NY	H A F Associates	330 E. 70th St, New York, NY	RE7-1330
NC	Bill Henry Associates	P.O. Box 6073, Charlotte, NC	FR5-8958
Ohio	Frank J Campisano	3985 Race Rd, Cincinnati, Ohio	HU1-2652
Ohio	Components Engineering Co	7461 N. Linden Ln, Cleveland, Ohio	VI2-2737
Okla	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Ore	Samuel N Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
Pa	E H Moore	6101 Joshua Rd, Whitemarsh, Pa	CH7-7122
RI	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
SC	Bill Henry Associates	P.O. Box 6073, Charlotte, NC	FR5-8958
Tenn	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Tex	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Utah	Applied Engineering Products	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Vt	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Va	J Onore	555 Winchester Ave, Union, NJ	EL5-0474
Wash	Samuel N Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
Wyo	Applied Engineering Products	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Canada	John Herring & Co Ltd	3468 Dundas St, W. Toronto, Canada	RO2-9824
	AUTOMATIC RADIO MFG CO., INC	**122 Brookline Ave, Boston, Mass**	**CO6-1420**
	AUTOMATIC SWITCH CO	**50-56 Hanover Rd, Florham Park, NJ**	**FR7-4600**
Ala	McConnell Sales & Engrg Corp	1661 28th Ave, S., Birmingham 9, Ala	TR1-3501
Ariz	Barney H Hartley	708 W. Willetta St, Phoenix, Ariz	AL8-2552
Ariz	Steel & Engrg Products Co	411 N. Central Ave, Phoenix, Ariz	AL3-5311
Ark	Tom Hodges Co	5202 E. 11th St, Tulsa, Okla	WE9-0894
Cal	Automatic Switch Co	1233 Goodrich Blvd, Los Angeles 22	PA1-3542
Cal	Paul S Everley Co	550 9th St, San Francisco 3, Cal	HE1-2295
Colo	Clyde P Elliott Co	661 Delaware St, Denver 4, Colo	AL5-7988
Conn	Automatic Switch Co	1447 Washington St, W. Newton, Mass	BI4-6626
Del	Automatic Switch Co	1500 Kings Hwy, E., Haddonfield, NJ	HA9-0300
DC	John J Herrity	Nat'l Press Club Bldg, Wash 4, DC	NA8-6561
Fla	Industrial Specialties Sales	424 S. MacDill Ave, Tampa 1, Fla	RE6-1480
Ga	Rittelmeyer & Co., Inc	150 Nassau St, N.W., Atlanta 1, Ga	JA4-1531
Hawaii	Honolulu Iron Works Co	Box 3140, Honolulu 2, T H	5-0961
Idaho	Control Equipment Co	323 W. 14th S., Salt Lake City 15, Utah	HU7-7741
Ill	Automatic Switch Co	2221 W. Howard St, Chicago 45, Ill	RO1-7450
Ill	C O Leaver Co	4030 Chouteau Ave, St. Louis, Mo	JE1-2040
Ind	C M Buck & Associates	2927 Central Ave, Indianapolis 5, Ind	WA5-1832
Iowa	Lenmark & Parker Inc	6504 Walker , Minneapolis 26, Minn	WE9-2631
Iowa	Conrad R Bangh	524 14th & Farnam St, Omaha 2, Neb	AT4232
Kan	C O Leaver Co	111 E. Gregory Blvd, Kansas City 14, Mo	JA3-2908
Ky	McNay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
La	Glidden Engrg & Equip Co	221 Diane Ave, New Orleans 23, La	KE7-0641
Me	Automatic Switch Co	1447 Washington St, W. Newton, Mass	BI4-6626
Md	Sidney Dubinsky	Box 7456, Baltimore 27, Md	CI2-9213
Mass	Automatic Switch Co	1447 Washington St, W. Newton, Mass	BI4-6626
Mich	Carman Adams Inc	15760 James Cousens Hwy, Detroit 38	UN3-9100
Minn	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn	WE9-2631
Miss	McConnell Sales & Engrg Corp	1661 28th Ave, S., Birmingham 9, Ala	TR1-3501
Mo	C O Leaver Co	4030 Chouteau Ave, St. Louis 10, Mo	JE1-2040
Mont	Standard Electric Sales	204 W. Lucile St, Seattle 4, Wash	PA5-9440
Neb	Conrad R Bangh	524 14th & Farnam Sts, Omaha 2, Neb	AT4232
Nev	Control Equipment Co	323 W. 14th S., Salt Lake City 15, Utah	HU7-7741
NH	Automatic Switch Co	1447 Washington St, W. Newton, Mass	BI4-6626
NJ	Automatic Switch Co	1500 Kings Hwy, E.,Haddonfield, NJ	HA9-0300
NM	Ralph B Black	721 Loma Vista Dr, N.E., Albuquerque	
NM	Steel & Engrg Products Co	5900 Domingo Rd, N.E., Albuquerque,NM	AL6-9612
ND	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn	WE9-2631
NY	John C Cox Co	528 Blue Cross Bldg, Buffalo 2, NY	MO5166
NC	Purser & London Inc	1317 E. 4th St, Charlotte 4, NC	ED3-7549
Ohio	Anderson-Bolds Inc	2012 W. 25th St, Cleveland 13, Ohio	PR1-7112
Ohio	McNay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
Okla	Tom Hodges Co	5202 E. 11th St, Tulsa, Okla	WE9-0894
Ore	Standard Electric Sales	204 W. Lucile St, Seattle 4, Wash	PA5-9440
Pa	Continental Sales & Engrg Co	211 Nelson Ave, Pittsburgh 35, Pa	CH1-5660
Pa	Automatic Switch Co	1500 Kings Hwy, E.,Haddonfield, NJ	MA7-0617
RI	Automatic Switch Co	1447 Washington St, West Newton, Mass	BI4-6626
SC	Purser & London Inc	1317 E. 4th St, Charlotte 4, NC	ED3-7549
SD	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn	WE9-2631
Tenn	Rittelmeyer & Co., Inc	150 Nassau St, N.W., Atlanta 1, Ga	JA4-1531
Tenn	McConnell Sales & Engrg Corp	1661 28th Ave, S., Birmingham 9, Ala	TR1-3501
Tex	Glidden Engrg & Equip Co	3802 Winchester C, Houston 3, Tex	CA4-6471
Utah	Control Equipment Co	323 W. 14th S., Salt Lake City 15, Utah	HU7-7741
Vt	Automatic Switch Co	1447 Washington St, West Newton, Mass	BI4-6626
Va	John J Herrity	Nat'l Press Club Bldg, Wash, DC	NA8-6561
Wash	Standard Electric Sales	204 W. Lucile St, Seattle 4, Wash	PA5-9440
W.Va	Continental Sales & Engrg Co	211 Nelson Ave, Pittsburgh 35, Pa	CH1-5660
Wisc	Grant E Beverly Co., Inc	5856 N. Port Washington Rd, Milwaukee	WO2-2294
Wisc	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn	WE9-2631
Wyo	Clyde P Elliott Co	661 Delaware St, Denver 4, Colo	AL5-7988
	AUTOMATIC TIMING & CONTROLS INC	**King of Prussia, Pa**	**BR9-1100**
	AUTOMATION CONTROLS CORP	**1850 C 169 St, Gardena, Cal**	**FA1-5767**
Ala	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Del	Wilco Associates Inc	733 15th St, N.W. Washington 5, DC	EX3-0451
DC	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
Fla	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ga	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ill	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Ind	Willis L Trombley & Son	3035 E. Grand Blvd, Detroit 2, Mich	TI1-6067
Iowa	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Md	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
Mich	Willis L Trombley & Son	3035 E. Grand Blvd, Detroit 2, Mich	TI1-6067
Minn	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Nev	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NY	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NC	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ohio	Thomas P Andrews Co	3066 Livingstone Rd, Cleveland 20, Ohio	AC1-2561
Pa	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
SC	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Tenn	Lind A Walking	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Va	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
W. Va	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
Wisc	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
	AUTOMATION DYNAMICS CORP	**255 Country Rd, Teaneck, NJ**	**LO7-3232**
	AUTOMATION ELECTRONICS INC	**1500 W. Verdugo, Burbank, Cal**	**VI9-2431**
	AUTOMATION INDUSTRIES INC	**3613 Aviation Blvd, Manhattan Beach, Cal**	
	AUTOMATION INDUSTRIES INC. DATRAN DIV	**1836 Rosecrans Ave, Manhattan Beach, Cal**	**ORB-0808**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Ariz	Maxon Electronics Corp	489 S. Robertson, Beverly Hills, Cal	BR29311
Ark	Dykes Co., Inc	Box 1763, Shreveport	
Cal	Maxon Electronics Corp	489 S. Robertson, Beverly Hills, Cal	BR29311
Cal	Maxon Electronics Corp	4434 Ingraham St, San Diego 9, Cal	HU8-2901
Cal	Maxon Electronics Corp	15-41 st Ave, San Mateo, Cal	FI5-7961
Colo	Applied Engineering Pro Co	Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Conn	Brewer Engineering Lab Inc	Marion, Mass	MA103
Del	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
DC	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
Fla	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Ga	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Idaho	Applied Engineering Prod Co	Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Kan	Kemco Inc	1618 W. Sixth St, Irving, Tex	
Ky	Ankofski Associates	18915 Grand River Ave, Detroit 23, Mich	KE2-4454
La	Dykes Co., Inc	Box 1763, Shreveport, La	
Me	Brewer Engineering Lab Inc	Marion, Mass	MA103
Md	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
Mass	Brewer Engineering Lab Inc	Marion Mass	MA103
Mich	Ankofski Associates	18915 Grand River Ave, Detroit 23, Mich	KE2-4454
Miss	Dykes Co., Inc	Box 1763, Shreveport, La	
Nev	Maxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
NH	Brewer Engineering Labs Inc	Marion, Mass	MA103
NJ	Morse Electronic Associates Inc	Box 83, Rutherford, NJ	WE3-1159
NM	Applied Engineering Products Co	Felt Bldg, Salt Lake City 11, Utah	EM4-4942
NY	DB Associates Inc	3307 Erie Blvd, Dewitt 14, NY	GI6-0220
NY	Morse Electronic Associates Inc	Box 83, Rutherford, NJ	WE3-1159
NC	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
Ohio	Ankofski Associates	18915 Grand River, Detroit 23, Mich	KE2-4454
Okla	Kemco Inc	1618 W. Sixth St, Irving, Tex	
Ore	Remco	321 E. 45th St, Seattle 5, Wash	ME3-5858
Pa	Ankofski Associates	18915 Grand River, Detroit 23, Mich	KE2-4454
Pa	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
RI	Brewer Engineering Labs Inc	Marion, Mass	MA103
SC	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Tex	Kemco Inc	1618 W. 6th St, Irving, Tex	
Utah	Applied Engineering Products Co	Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Vt	Brewer Engineering Labs Inc	Marion, Mass	MA103
Va	J J Maguire Co	Investment Bldg, Wash 5, DC	NA8-4247
Wash	Remco	321 E. 45th St, Seattle 5, Wash	ME3-5858
	AUTOMATION INDUSTRIES INC	**3613 Aviation Blvd, Manhattan Beach, Cal**	
	AUTOMATION INSTRUMENTS INC	**401 E. Green St, Pasadena 1, Cal**	**SY3-8169**
	AUTOMATION INDUSTRIES INC MAGNETICS DIV	**771 Hamilton Ave, Menlo Park, Cal**	**DA6-7110**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Alaska	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
Ariz	Seas Ltd	952 Mission St, South Pasadena, Cal	MU2-2930
Ark	Dykes Co., Inc	P.O. Box 1763, Shreveport, La	MO6-5100
Cal	John E Striker Co	P.O. Box 548, San Carlos, Cal	LY1-0735
Cal	Seas Ltd	952 Mission St, South Pasadena, Cal	MU2-2930
Colo	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Del	J J Maguire Co	742 Investment Bldg, Wash, DC	NA8-4247
DC	J J Maguire Co	742 Investment Bldg, Wash, DC	NA8-4247
Fla	Mark Electronics Sales Co	410 N.E. 147th Terr, N. Miami, Fla	WI7-5080
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ill	Dave Hausten Co	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Ind	Frank J Campisano	3985 Race Rd, Cincinnati, Ohio	HU1-2652
Ind	Midwest Sales Agency	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Iowa	Dave Hausten Co	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Kan	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Ky	Frank J Campisano	3985 Race Rd, Cincinnati, Ohio	HU1-2652
La	The Dykes Co., Inc	Box 1763, Shreveport, La	MO6-5100
Me	John J Goode Associates	Box 176, Wellesley Hills, Mass	CE5-0552
Md	J J Maguire Co	Investment Bldg, Wash, DC	NA8-4247
Mass	John J Goode Associates	Box 176, Wellesley Hills, Mass	CE5-0552
Mich	Midwest Sales Agency	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Miss	Dykes Co	Box 1763, Shreveport, La	MO6-5100
NH	John J Goode Associates	Box 176, Wellesley Hills, Mass	CE5-0552
NJ	J J Maguire Co	Investment Bldg, Wash, DC	NA8-4247
NJ	Morse Electronic Assoc Inc	Box 83, Rutherford, NJ	WE3-1159
NM	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
NY	Morse Electronic Associates Inc	Box 83, Rutherford, NJ	WE3-1159
NC	E G Holmes & Associates	4969 Roswell, N.E., Atlanta, Ga	BL5-6660
Ohio	Frank Campisano	3985 Race Rd, Cincinnati, Ohio	HU1-2652
Ohio	Midwest Sales Agency	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Okla	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Ore	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
Pa	Midwest Sales Agency	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Pa	J J Maguire Co	Investment Bldg, Wash, DC	NA8-4247
RI	John J Goode Associates	Box 176, Wellesley Hills, Mass	CE5-0552
SC	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tex	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Vt	John J Goode Associates	Box 176, Wellesley Hills, Mass	CE5-0552
Va	J J Maguire Co	Investment Bldg, Wash, DC	NA8-4247
Wash	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
W.Va	Midwest Sales Agency	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Wisc	Dave Hausten Co	607 E. Willow Ave, Wheaton, Ill	MO8-7312
	AUTOMATION MANAGEMENT INC	**Westboro 2, Mass**	**FO6-5377**
	AUTOMATION PRODUCTS INC	**3030 Max Roy St, Houston 24, Tex**	**UN9-1485**
Ark	Rawson & Co., Inc	P.O. Box 2881, Baton Rouge, La	DI4-9407
Cal	Barton Sales Co of California	350 S. Atlantic Blvd, Monterey Park, Cal	AT9-3549
Conn	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
Ill	B & G Automation Sales Corp	P.O. Box 412, Harvey, Ill	ED3-1485
Ind	B & G Automation Sales Corp	P.O. Box 412, Harvey, Ill	ED3-1485
La	Rawson & Co., Inc	P O. Box 2881, Baton Rouge, La	DI4-9407
Me	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
Mass	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
Miss	Rawson & Co., Inc	P.O. Box 2881, Baton Rouge, La	DI4-9407
NH	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
Pa	Russell F Clark Co	Clark Bldg, Pittsburgh 22, Pa	AT1-8089
RI	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
Tex	Rawson & Co., Inc	P.O. Box 13292, Houston 19, Tex	JA3-1696
Vt	J M Lancaster Co	65 Concord St, Framingham, Mass	TI3-8893
W. Va	Allied Controls Co	P.O. Box 8283, S. Charleston 3, W. Va	PO8-7313
	AUTOMOTIVE DIV THE ELECTRIC STORAGE BATTERY CO	**2000 E. Ohio Bldg, Box 6266, Cleveland, Ohio**	**TO1-7100**
	AUTONETICS DIV NORTH AMERICAN AVIATION INC	**9150 E. Imperial Hwy, Downey, Cal**	**SP3-2233**
Cal	Autonetics	3584 Wilshire Blvd, Los Angeles, Cal	DU3-2161
DC	Autonetics	905 16th St, N.W., Washington 5, DC	EX3-3346
Ga	Autonetics	Box 327, Hdqtrs. Robins A. F. Base, Ga	WA6-3544
Ill	Autonetics	130 E. Randolph Dr, Chicago 1, Ill	WH4-4522
NY	Autonetics	717 Fifth Ave, New York 22, NY	PL2-0565
NY	Autonetics Military Sales	600 Old Country Rd, Garden City, NY	PI7-0730
Ohio	Autonetics	333 W. First St, Dayton 2, Ohio	BA4-6506
Wash	Autonetics	421 Michigan St, Seattle 8, Wash	PA5-8700
Foreign	Autonetics	29, Rue Coulouvrenere, Geneva, Switz	263340
	AUTOSCREW CO., INC	**216-222 V. 18th St, New York 11, NY**	**WA9-1291**
	AUTOTRON INC	**3629 N. Vermilion St, Danville, Ill**	**HI6-0650**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Cal	James M Krotozyner	544 Market St, San Francisco 4, Cal	GA1-7700
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	OR0-2520
Conn	White Sales Co., Inc	39 Milldrum Rd, Berlin, Conn	BA4-0423
Fla	Fred Wamble Sales Co	370 N.E. 147 Terr, North Miami 61, Fla	
Ill	R Edward Stamm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Mass	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit 27, Mich	VE7-8820
Minn	R Edward Stamm Inc	123 S. Third St, Minneapolis, Minn	FE5-7172
Mo	Wells-White Co., Inc	3537 Main St, Kansas City, Mo	JE1-6400
Mo	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
NY	Crane & Egeler Corp	97 Reade St, New York 13, NY	WO4-0996-7
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
Ohio	James W Murray Co	Box 28, Westwood Br, Cincinnati 11	HU1-9726
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland 21, Ohio	EV1-9049
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Pa	John T Fuhrman Jr	6822 Thomas Blvd, Pittsburgh 18, Pa	MO1-3838
Tex	Brice Sales & Service	2425 W. Holcombe, Houston 24, Tex	WO5-3978
Wash	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	EV1-9049
Wisc	Bruce Equipment Co	2509 W. Mineral St, Milwaukee 4, Wisc	OR1-0420
Canada	Higginson Equipment Sales Ltd	1131 Pettit Rd, Burlington, Ontario, Canada	
Mexico	Schultz Y Cia	Lago Xochimilco 345, Pte of Monterrey	H98-89
Foreign	Carrington H Stone (Export)	205 W. Wacker Dr. Chicago 6, Ill	RA6-7725
	AUTOTRONICS INC	**P.O. Box 208, Florissant, Mo**	**TE7-3565**
Ala	Frank Nickerson Co	1202 Zonolite Rd, N.E., Atlanta 6, Ga	TR5-8908
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Ark	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	RI1-5443
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Colo	Kemco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Conn	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262-3
DC	R P Luce Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Fla	Frank Nickerson Co	1202 Zonolite Rd, N.E., Atlanta 6, Ga	TR5-8908
Ga	Frank Nickerson Co	1202 Zonolite Rd, N.E., Atlanta 6, Ga	TR5-8908
Idaho	M K Widdekind Co	222 First Ave, N., Seattle, Wash	AT4-4869
Ill	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Ill	Daseco	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Ind	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Iowa	Daseco	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Kan	Kemco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Ky	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
La	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	RI1-5443
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262-3
Md	R P Luce Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262-3
Mich	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Minn	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Miss	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	Dallas RI1-5443
Mo	Daseco	7603 Forsyth Rd, St. Louis 5, Mo	PA1-6403
Mont	M K Widdekind Co	222 First Ave, N., Seattle, Wash	AT4-4869
Nev	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
NH	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262-3
NJ	R P Luce Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
NM	Kemco Inc	6427 E. Kellogg, Wichita, Kansas	MU4-8224
NY	Jim Washington Associates	791 Blossom Rd, Rochester 10, NY	HU2-9353
NY	R P Luce Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
NC	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Ohio	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Okla	Kemco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Ore	M K Widdekind Co	222 First Ave, N., Seattle, Wash	AT4-4869
Pa	R P Luce Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-226-3
SC	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Tenn	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Tex	Kemco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Utah	Kemco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-226-3

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Va	R P Luce Inc	7 Beechwood Rd, Summit, NJ — CR3-9250
Wash	M K Widdekind Co	222 First Ave, N., Seattle, Wash — AT4-4869
W.Va	R P Luce Inc	7 Beechwood Rd, Summit, NJ — CR3-9250
Wisc	Burt Anderson & Co	6414 W. Higgins Ave, Chicago 31, Ill — SP4-4174
Canada	C A Bell	136 Tower Dr, Scarborough, Ontario, Canada
	AVCO CORP NASHVILLE DIV	**Vultee Blvd, Nashville 1, Tenn — AL4-9551**
Cal	B W Marshall/ L T Lincoln	109 N. LaCienega Blvd, Beverly Hills, Cal — OL5-7800
Ohio	B K Boettcher	379 W. First St, Dayton 2, Ohio — BA3-5129
Wash	Monro MacCloskey	1701 K St, N.W., Washington 6, DC — ST3-2770
	AVCO CORP CROSLEY DIV	**1329 Arlington St, Cincinnati 25, Ohio — KI1-6600**
Cal	Crosley Div Avco Corp	109 N. LaCienega Blvd, Beverly Hills — OL5-7800
DC	Monro M MacCloskey	1701 K St, N.W., Washington 6, DC — ST3-2770
Ohio	B K Boettcher	379 W. First St, Dayton 2, Ohio — BA3-5129
	AVCO RESEARCH & ADVANCED DEVEL DIV	**201 Lowell St, Wilmington, Mass — OL8-8911**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville — JE2-2811
Ala	S S Lee Associates Inc	Room 300, Utilities Bldg, Huntsville, Ala — JE6-0631
Ariz	Instruments for Measurements	3150 El Cajon Blvd, San Diego, Cal — AT3-2081
Cal	Pacific Scientific Co	6260 Chalet Dr, Bell Gardens, Cal — SP3-2020
Cal	Pacific Scientific Co	760 Harrison St, San Francisco, Cal — DO2-0934
Cal	Pacific Scientific Co	1950 5th Ave, San Diego 1, Cal — BE3-0156
Cal	Instruments for Measurements	3150 El Cajon Blvd, San Diego, Cal — AT3-2081
Colo	Hyde Electronics Co	888 S. Lupan St, Denver 23, Colo — WE6-3456
Conn	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass — WO9-9150
Conn	Equipment Sales Co., Inc	P.O. Box 6098, New Haven 17, Conn — CH8-5581
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla — GA4-9983
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla — GA3-6566
Ga	Roy Attaway Co	P.O. Box 361, Decatur, Ga — DR7-8943
Ill	Maher Engineering Co	4335 W. Peterson Ave, Chicago, Ill — PE6-8747
Kan	Kemco Inc	6427 E. Kellog, Wichita, Kan — WI4-8224
Md	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md — HO7-1966
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md — LO5-3066
Mass	General Measurement Co., Inc	1108 Beacon St, Newton Highlands 61 — WO9-9150
Mass	Equipment Sales Co., Inc	5 Elm St, Danvers, Mass — SP4-2400
Mich	Anger Associates	13126 Michigan Ave, Dearborn, Mich — LU4-9853
NJ	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ — MU8-6100
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque — AM8-1111
NY	General Measurements Co., Inc	791 Blossom Rd, Rochester 10, NY — HU2-9353
NY	Components for Industry	103 Greenhaven Terr, Tonawanda, NY — [illegible]
NC	Roy Attaway Co	P.O. Box 361, Decatur, Ga — DR7-8943
NC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC — ST8-0431
Ohio	Anger Associates	13126 Michigan Ave, Dearborn, Mich — LU4-9853
Ohio	Lowry-Dietrich Co	333 W. 1st St, Dayton 2, Ohio — BA3-6042
Ohio	Lowry-Dietrich Co	1276 W. 3rd St, Cleveland 13, Ohio — SU1-1855
Ore	Technical Sales Co	1731 1st Ave, S., Seattle, Wash — PA5-9440
Ore	Pacific Scientific Co	1216 S.E. 7th St, Portland 14, Ore — BE4-9747
Pa	V A Snyder Co., Inc	1424 Race St, Philadelphia, Pa — PO3-9141
Pa	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa — TU1-2228
Tex	Kemco Inc	P.O. Box 998, Irving, Tex — FL1-5900
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah — IN7-5763
Wash	Technical Sales Co	1731 1st Ave, S., Seattle, Wash — PA5-9440
Wash	Pacific Scientific Co	421 Michigan St, Seattle 8, Wash — PA5-7000
Foreign	Concor International Corp	P.O. Box 598, Long Beach, NY — GE1-0410
	AVERY LABEL CO	**1616 S. California Ave, Monrovia, Cal — EL4-2524**
	AVIATION ELECTRIC LTD	**200 Laurentian, Ville St. Laurent, Montreal, Quebec, Canada — RI4-2811**
	AVIEL ELECTRONICS INC	**4204 Glencoe Ave, Venice, Cal — UP0-6529**
Cal	William Denny Sales Co	1862 1/2 Bacon St, San Diego, Cal — AC4-3451
Cal	Kesco	1187 Lyons St, Redwood City, Cal — EM9-2876
Cal	Richard Strassner Co	1557 N. Western Ave, Los Angeles, Cal — HO3-5694
Colo	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo — SK7-1322
Conn	L R Provencher Co	525 Pleasant St, Worcester 2, Mass — PL3-8187
Del	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
DC	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
Fla	Mark Electronics	410 N. E. 147 Terr, N. Miami, Fla — WI7-5080
Idaho	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo — SK7-1322
Me	L R Provencher Co	525 Pleasant St, Worcester 2, Mass — PL3-8187
Md	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
Mass	L R Provencher Co	525 Pleasant St, Worcester 2, Mass — PL3-8187
Mont	Electronic Component Sales	2149 S. Clermont, Denver 22, Colo — SK7-1322
Neb	Electronic Component Sales	2149 S. Clermont, Denver 22, Colo — SK7-1322
NH	L R Provencher Co	525 Pleasant St, Worcester 2, Mass — PL3-8187
NJ	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
NJ	Morse Electronics	P.O. Box 83, Rutherford, NJ — WE3-1159
NM	Electronic Component Sales	2149 S. Clermont, Denver 22, Colo — SK7-1322
NY	Morse Electronics	P.O. Box 83, Rutherford, NJ — WE3-1159
Okla	Allied Components	2517 Converse St, Dallas 7, Tex — RI2-2830
Pa	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
RI	L R Provencher Co	525 Pleasant St, Worcester 2, Mass — PL3-8187
Tex	Allied Components	2517 Converse St, Dallas 7, Tex — RI2-2830
Utah	Electronic Components	2149 S. Clermont, Denver 22, Colo — SK7-1322
Vt	L R Provencher	525 Pleasant St, Worcester 2, Mass — PL3-8187
Va	M Leff Sales Co	11 Peppermint Ln, Levittown, NJ — TR7-4040
Canada	A Deskin Sales Co	1091 14th St, Montreal, Quebec, Canada — HU9-4437
	AVIEN CORP	**58-15 Northern Blvd, Woodside 77, NY — YE2-4600**
Ariz	Peter Cregut	8925 N. 17th Ave, Phoenix, Ariz — WI4-0431
Cal	Edward Davis	5423 Sepulveda Blvd, Culver City, Cal — EX8-5755
Colo	Peter Cregut	306 Enterprise Bldg, Denver, Colo — AM6-2714
DC	Mary Donaldson	1028 Connecticut Ave, Washington, DC — EX3-5786
Ohio	Leo Wourms	379 W. First St, Dayton, Ohio — BA4-8781
Okla	J Trautvetter	P.O. Box 5857, Midwest City, Okla — JA4-2161
Tex	Tom Toler	7109 Grapevine Hwy, Ft. Worth, Tex — AT4-0231
Wash	Paul Seider	P.O. Box 626, Bellevue — GL4-2971
	AVIONICS CORP	**Maple & Horsham, Horsham, Pa — OS5-6111**
	AVIONICS LTD	**Box 200, Niagara-on-the-Lake, Ont, Can — HO8-3632**
	AVNET ELECTRONICS CORP	**70 State St, Westbury, NY — ED3-5800**
	AVO LTD	**80 Shore Rd, Pt. Washington, NY — PO7-7700**
	Sales Representatives: See Aldis Brothers Ltd	
	AVON GEAR & ENGINEERING CO	**2011 Rice St, Melrose Park, Ill**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	AVON TUBE DIV HIGBIE MFG CO	**Wagner Rd, Rochester, Mich**
Ala	F & L Sales & Service Co	1015 W. Kirkland Ave, Nashville, Tenn — CO2-0471
Ariz	E Jordan Brookes Co., Inc	6601 Telegraph Rd, L A 22, Cal — RA3-8431
Ark	W P Schoenfield	4407 Northcrest Rd, Dallas 29, Tex — FL2-6200
Cal	E Jordan Brookes Co., Inc	6601 Telegraph Rd, L A 22, Cal — RA3-8431
Fla	Steel Tubing Sales Co	4001 N.W. 32nd Ave, Miami, Fla — NE5-4555
Ga	F & L Sales & Service Co	1015 W. Kirkland Ave, Nashville, Tenn — CO2-0471
Ill	Al G Pinder	325 N. Lombard Ave, Lombard, Ill — MA7-4678
Ind	Al G Pinder	325 N. Lombard Ave, Lombard, Ill — MA7-4678
Kan	C A Roberts Co	137 W. 23rd Ave, N. Kansas City, Mo — BA1-9338
Ky	F & L Sales & Service Co	1015 W. Kirkland Ave, Nashville, Tenn — CO2-0471
Md	Rolled Steel Products Corp of Pa	314 Old Lancaster Rd, Merion Sta, Pa — MO4-5450
Mich	Marsh Coulter Co	31470 Utica Rd, Fraser, Mich — PR2-1270
Mo	C A Roberts Co	137 W. 23rd Ave, N. Kansas City, Mo — BA1-9338
Nev	E Jordan Brookes Co., Inc	6601 Telegraph Rd, L A 22, Cal — RA3-8431
NJ	Rolled Steel Products Corp	10 Pine St, Morristown, NJ — JE8-8810
NJ	Rolled Steel Products Corp of Pa	314 Old Lancaster Rd, Merion Sta, Pa — MO4-5450
NY	Rolled Steel Products Corp	10 Pine St, Morristown, NJ — JE8-8810
Okla	C A Roberts Co	2716 E. Apache St, Tulsa, Okla — MA6-6631
Ore	E B Clark	1009 Securities Bldg, Seattle, Wash
Pa	Rolled Steel Products Corp of Pa	314 Old Lancaster Rd, Merion Sta, Pa — MO4-5450
Tenn	F & L Sales & Service Co	1015 W. Kirkland Ave, Nashville, Tenn — CO2-0471
Tex	W P Schoenfield	4407 Northcrest Rd, Dallas 29, Tex — FL2-6200
Wash	E B Clark	1009 Securities Bldg, Seattle, Wash
Wisc	Al G Pinder	325 N. Lombard Ave, Lombard, Ill — MA7-4678
	AVTRON MFG INC	**10409 Meech Ave, Cleveland, Ohio — MI1-8310**
Cal	Avtronics	603 W. Manchester Blvd, Inglewood 1 — OR3-3105
Fla	Ludlum Associates Co	4471 N.W. 36th St, Miami Springs 48 — TU5-3611
Ga	A C Craft & Associates	Box 11716, Northside Sta, Atlanta 5, Ga — CE3-9944
Kan	Associated Air Services	315 E. Harry St, Wichita, Kan — AM7-3930
Mo	P E M Sales	8618 Brookshire, University City 24, Mo — WY1-1539
Ohio	Martin-Rettger Inc	11955 Shaker Blvd, Cleveland 20, Ohio — SW1-8787
Ohio	Noel A Wright	P.O. Box 57, Centerville, Ohio — TU5-2611
Tex	Electro-Mechanical Associates	6115 Denton Dr, Dallas 35, Tex — FL1-5515
Wash	James Findlay Co	P.O. Box 717, Bellevue, Wash — GL4-5200
Canada	Aircraft Appliances & Equip Ltd	585 Dixon Rd, Weston, Ontario, Canada — CH4-5506
	AXEL BROTHERS INC AXEL ELECTRONICS	**134-20 Jamaica Ave, Jamaica, NY — RE9-1700**
Alaska	Ray Johnston Co	1011 E. 69th Seattle, Wash
Ariz	David G DeHaas Co	3651 Garrison St, San Diego 6, Cal
Ark	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex
Cal	Charret Co	7410 W. 85th St, Los Angeles 45, Cal
Cal	McKnight Co	1436 El Camino Real, Menlo Park, Cal
Conn	Hathaway Electronics	238 Main St, Cambridge, Mass
Del	Paragon Sales	111 S. 22nd St, Philadelphia, Pa
DC	Paragon Sales	111 S. 22nd St, Philadelphia, Pa
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle, Wash
Ill	R E Stemn Co	5681 W. Lake St, Chicago, Ill
Ind	R E Stemn Co	5681 W. Lake St, Chicago, Ill
Iowa	R E Stemn Co	5681 W. Lake St, Chicago, Ill
La	Air Equipment Sales Co	2608 Inwood Rd, Dallas 35, Tex
Me	Hathaway Electronics	238 Main St, Cambridge, Mass
Md	Paragon Sales	111 S. 22nd St, Philadelphia, Pa
Mass	Hathaway Electronics	238 Main St, Cambridge, Mass
Minn	R E Stemn Co	5681 W. Lake St, Chicago, Ill
Mont	Ray Johnston Co	1011 E. 69th St, Seattle, Wash
Nev	McKnight Co	1436 El Camino Real, Menlo Park, Cal
NH	Hathaway Electronics	238 Main St, Cambridge, Mass
NJ	M J Del Grosso	2328 Seymour Ave, Bronx 69, NY
NY	Wall Associates	P.O. Box 161, Dewitt 14, NY
Okla	Air Equipment Sales Co	2608 Inwood Rd, Dallas, Tex
Pa	Paragon Sales	111 S. 22nd St, Philadelphia, Pa
RI	Hathaway Electronics	238 Main St, Cambridge, Mass
Tex	Air Equipment Sales Co	2608 Inwood Rd, Dallas, Tex
Va	Paragon Sales	111 S. 22nd St, Philadelphia, Pa
Wisc	R E Stemn Co	5681 W. Lake St, Chicago, Ill
	AXEL RESISTOR CORP	**134-20 Jamaica Ave, Richmond Hill, NY — RE9-2783**
Cal	Charrett Co	7410 W. 85 St, Los Angeles 45, Cal — SP6-2655
	B & C INSULATION PRODUCTS INC	**490 Lincoln Hwy, Iselin, NJ — LI8-0815**
NY	R E Breuer Co., Inc	10 Columbus Circle, New York, NY — CO5-0440
	B & F INSTRUMENTS INC	**3644 N. Lawrence, Philadelphia 40, Pa — GA5-4175**
Ala	Scientific Sales Engr Co	3514 Flamingo Rd, Huntsville, Ala — JE9-5552
Ariz	Jackson Edwards Co	Scottsdale, Ariz
Cal	Jackson Edwards Co	4101 Lankershein Blvd, N.Hollywood — TR7-9603
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal — KL2-1777
Colo	Parrish Electronics	1810 S. St. Paul, Denver, Colo — SK6-9455
Conn	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
Del	Polymetric Devices Co	P. O. Box 236, Glenside, Pa — TU7-4873
DC	Polymetric Devices Co	P. O. Box 246, Silver Springs, Md — JU8-1600
Fla	Scientific Sales Engrg Co	1851 Oak Ln, Orlando, Fla — GA4-0730
Ga	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta, Ga — TR3-2475
Ill	Anderson Automation	16 E. View St, Lombard, Ill — MA7-1094
Ind	Anderson Automation	16 E. View St, Lombard, Ill — MA7-1094
Me	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
Md	Polymetric Devices Co	P. O. Box 3562, Baltimore, Md — HA6-5860
Mass	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
Mich	Tiby Co	18222 Jas Couzens Hwy, Detroit 35, Mich — UN4-9298
Miss	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta, Ga — TR3-2475
NH	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
NJ	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ — GI5-5210
NJ	Polymetric Devices Co	P. O. Box 236, Glenside, Pa — TU7-4873
NM	Parrish Electronics	1810 S. St. Paul, Denver, Colo — SK6-9455
NY	J B Lightstone & Associates	515 Comstock Ave, Syracuse, NY — GR5-6704
NY	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ — GI5-5210
NC	Scientific Sales Engrg Co	2831 S. Main St, Winston-Salem, NC — PA3-3281
Ohio	Tiby Co	2245 Warrensville Center Rd, Cleveland — GR1-5335
Okla	Carey-Wolfe Co	P. O. Box 6072, Ft. Worth, Tex
Pa	Tiby Co	2245 Warrensville Center Rd, Cleveland, Ohio
Pa	Polymetric Devices Co	Box 236, Glenside, Pa — TU7-4873
RI	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
SC	Scientific Sales Engrg Co	2831 S. Main St, Winston Salem, NC — PA3-3281
Tenn	Scientific Sales Engrg Co	3514 Flamingo Rd, Huntsville, Ala — JE9-5552
Tex	Carey-Wolfe Co	Box 6072, Ft. Worth, Tex
Utah	Parrish Electronics	1810 S. St. Paul, Denver, Colo — SK6-9455

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Vt	L R Provencher & Associates	525 Pleasant St, Worcester, Mass — PL3-8187
Va	Polymetric Devices Co	Box 246, Silver Springs, Md — JU8-1600
Wisc	Anderson Automation	16 E. View St, Lombard, Ill — MA7-1094
Wyo	Parrish Electronics	1810 S. St. Paul, Denver, Colo — SK6-9455
	B & H INSTRUMENT CO., INC	**3459 W. Vickery Blvd, Fort Worth 7, Tex — ED6-7411**
Cal	B & B Instrument Co., Inc	105 N. Bradfield, Compton, Cal — NE6-8970
Ga	B & H Instrument Co., Inc	865 Briarcliff Terr, N.E., Atlanta 6, Ga — TR6-8526
Kan	B & H Instrument Co., Inc	351 S. Evergreen Ln, Wichita, Kan — AM2-1454
NY	B & H Instrument Co., Inc	108 S. Franklin, Valley Stream, NY — LO1-9220
Ohio	B & H Instrument Co., Inc	5606 Rice Pl, Dayton, Ohio — BE3-4411
Foreign	Bryans Aeroquipment Limited	15 Willow Ln, Mitcham, Surrey, England
Canada	George Kelk Limited	130 Willowdale Ave, Willowdale, Ontario, Canada
	B J ELECTRONICS BORG-WARNER CORP	**3300 Newport Blvd, Santa Ana, Cal — KI5-5581**
	B & K INSTRUMENTS INC	**3018 W. 106th St, Cleveland 11, Ohio — CL1-8430**
Ala	S S Lee Associates Inc	210 Terry-Hutchens Bldg, Huntsville, Ala — JE6-0631
Cal	B & K Instruments Inc	9304 Santa Monica Blvd, Beverly Hills, Cal — CR1-1311
Cal	Howard & Co	938 Linden Ave, South San Francisco, Cal — JU9-2062
Colo	Barnhill Associates	1170 S. Sheridan, Denver, Colo — WE5-4646
Fla	S S Lee Associates Inc	P.O. Box 7896, Orlando, Fla — CH1-4445
Ill	Gene T Clears Co	935 Indianwood Blvd, Park Forest, Ill — PI8-2359
Md	S S Lee Associates Inc	2521 Ennals Ave, Wheaton, Md — LO5-3066
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass — TW4-9500
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich — HO8-2461
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn — MI6-3443
Mo	Lee Mark Associates Inc	P.O. Box 8467, Kansas City, Mo — NI2-3313
Mo	Lee Mark Associates Inc	2001 Big Bend Blvd, St. Louis, Mo — MI7-1470
NJ	V A Snyder Co., Inc	2165 Morris Ave, P.O. Box 184, Union, NJ — MU8-6100
NM	Barnhill Associates	8310 Cutler Ave, Albuquerque, NM — AX9-8651
NY	d b Associates	P.O. Box De witt (Syracuse), NY — GR-0220
NC	S S Lee Associates Inc	P.O. Box 906, Winston Salem, NC — PA2-3223
Ohio	Electro Sales Associates	281 E. 215th St, Cleveland, Ohio — RE2-7444
Ohio	Electro Sales Associates	P.O. Box 143, Dabel Sta, Dayton, Ohio — CH4-5551
Pa	V A Snyder Co., Inc	1424 Race St, Philadelphia, Pa — PO3-9141
Tex	Ecklund Electronic Sales Co	P.O. Box 12151, Fort Worth, Tex — PE89
Utah	Barnhill Associates	207 N. 4th St, E., Centerville, Utah — EL5-5101
Wash	Harry Levinson Co	1117 2nd Ave, Seattle, Wash — MA2-5433
	B & K MFG CO	**1801 W. Belle Plaine, Chicago 13, Ill — EA7-7270**
	B T U ENGINEERING CORP	**179 Bear Hill Rd, Waltham 54, Mass — TW4-6050**
	BABCOCK & WILCOX CO TUBULAR PRODUCTS DIVISION	**Beaver Falls, Pa — TI6-0100**
Cal	Babcock & Wilcox Co	1111 Wilshire Blvd, Los Angeles 17, Cal — HU2-2633
Cal	Babcock & Wilcox Co	Humboldt Bank Bldg, San Francisco 3 — YU6-3911
Ga	Babcock & Wilcox Co	805 Peachtree St, N.E., Atlanta 8, Ga — TR6-0751
Ill	Babcock & Wilcox Co	105 S. LaSalle St, Chicago 3, Ill — FR2-4491
Mass	Babcock & Wilcox Co	66 Central St, Wellesley 81, Mass — CE5-9500
Mich	Babcock & Wilcox Co	1717 Ford Bldg, Detroit 26, Mich — WO1-0630
Mo	Babcock & Wilcox Co	3615 Olive St, St. Louis 8, Mo — JE5-7150
NY	Babcock & Wilcox Co	666 3rd Ave, New York 17, NY — YU6-5533
NY	Babcock & Wilcox Co	731 James St, Syracuse 3, NY — GR4-2435
Ohio	Babcock & Wilcox Co	2330 Victory Pkwy, Cincinnati 6, Ohio — CA1-2530
Ohio	Babcock & Wilcox Co	National City Bank Bldg, Cleveland 14 — SU1-8777
Okla	Babcock & Wilcox Co	1810 Bait, Tulsa 19, Okla — LU4-6153
Pa	Babcock & Wilcox Co	2222 Packard Bldg, Philadelphia 2, Pa — LO4-0322
Tex	Babcock & Wilcox Co	2134 Welch St, Houston 19, Tex — JA9-3521
Wisc	Babcock & Wilcox Co	2430 S. 28th St, Milwaukee 15, Wisc — MI5-4530
	BABCOCK RADIO ENGINEERING INC	**1640 Monrovia Ave, Costa Mesa, Cal — LI8-7705**
	BABCOCK RELAYS INC	**1640 Monrovia Ave, Costa Mesa, Cal — LI8-7705**
Cal	Ed Landa Co	1273 Westwood Blvd, Los Angeles 24 — BR2-9525
Colo	Spicer-Lindsay Associates	4960 E. Evans, Denver 22, Colo — GR7-1247
Conn	Abbott Alrison Co	P.O. Box 467, Meriden, Conn — BE7-9232
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla — JE1-0200
Fla	Jack Gearhner Co	711 Magnolia Ave, Orlando, Fla — GA4-3926
Ga	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga — RO6438
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill
Minn	Stan Clothier Co	15 W. 58th St, Minneapolis 19, Minn — TA5-1234
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo — BA1-3800
NJ	Boenecke Associates	5505 Westfield Blvd, Pennsauken, NJ — NO2-8650
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY — WE8-1080
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY — HI5-0450
Ohio	G & H Sales Co	Roselawn Center Bldg, Cincinnati 37 — JE1-0553
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35 — FL7-5713
Wash	Jas J Backer Co	221 W Galer St, Seattle 99, Wash — AT3-6470
Canada	Philips Electronic Industries Ltd	116 Vander Hoof Ave, Toronto 17, Ont, Can — HU5-8621
	BACH AURICON INC	**6924 Romaine St, Hollywood 38, Cal — HO2-0931**
	BACHE & CO., SEMON	**636 Greenwich St, New York 14, NY — WA4-2121**
Ill	M S Kriegel	608 S. Dearborn St, Chicago 5, Ill — HA7-4243
NY	E J Taylor	1600 East Ave, Rochester 10, NY
Pa	S A Canter	Denckla Bldg, Philadelphia, Pa
	BACON INDUSTRIES INC	**192 Pleasant St, Watertown 72, Mass — WA4-5000**
Ill	T J La Bounty	P.O. Box 61, Downers Grove, Ill — WO8-4343
NY	William M Hicks	4 Spruce Dr, Roslyn, NY — MA7-6150
Ohio	Clare L Smith	P.O. Box 3031, Euclid 17, Ohio — IV1-5364
	BAER CO., N S	**9 Montgomery St, Hillside, NJ — MU8-2250**
Ohio	Richard Koozer	122 Hilltop Rd, Mansfield, Ohio — LA5-0034
	BAILEY METER CO	**1050 Ivanhoe Rd, Cleveland, Ohio — GL1-4600**
Ala	Bailey Meter Co	1145 Peachtree St, N.E., Atlanta, Ga — TR5-1322
Alaska	Bailey Meter Co	200 Broadway, Seattle, Wash — MA4-7094
Ariz	Bailey Meter Co	816 S. Atlantic Blvd, Monterey Park, Cal — CU3-1187
Ark	Bailey Meter Co	3355 Poplar Ave, Memphis, Tenn — FA4-9592
Cal	Bailey Meter Co	816 S. Atlantic Blvd, Monterey Park, Cal — CU3-1187
Cal	Bailey Meter Co	55 New Montgomery St, San Francisco — SU1-0926
Colo	Bailey Meter Co	1506 Kearney St, Denver, Colo — EA2-7745
Conn	Bailey Meter Co	P.O. Box 4074, Hamden, Conn — CH8-5201
Del	Bailey Meter Co	29 Bala Ave, Bala-Cynwyd, Pa — MO4-3282

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
DC	Bailey Meter Co.	2026 Maryland Ave, Baltimore, Md	TU9-4511
Fla	Bailey Meter Co.	1143 Mary St, Jacksonville, Fla	EX8-4881
Ga	Bailey Meter Co.	1145 Peachtree St, N.E., Atlanta, Ga	TR5-1322
Hawaii	Bailey Meter Co.	816 S. Atlantic Blvd, Monterey Park, Cal	CU3-1187
Idaho	Bailey Meter Co.	200 Broadway, Seattle, Wash	MA4-7094
Ill	Bailey Meter Co.	53 W. Jackson Blvd, Chicago, Ill	HA7-7324
Ind	Bailey Meter Co.	4537 N. Edmondson Ave, Indianapolis, Ind	LI5-0931
Iowa	Bailey Meter Co.	7718 Blondo Dr, Omaha, Neb	TE6056
Kan	Bailey Meter Co.	7335 Broadway, Kansas City, Mo	HI4-4600
Ky	Bailey Meter Co.	2330 Victory Pkwy, Cincinnati, Ohio	AV1-0301
La	Bailey Meter Co.	6270 General Diaz St, New Orleans, La	AU7809
Me	Bailey Meter Co.	8 Sixth Ave, Augusta, Me	MA2-5177
Md	Bailey Meter Co.	2026 Mayland Ave, Baltimore, Md	TU9-4511
Mass	Bailey Meter Co.	230 Congress St, Boston, Mass	HA6-4082
Mich	Bailey Meter Co.	18928 W. McNichols Rd, Detroit, Mich	KE7-9150
Minn	Bailey Meter Co.	2395 University Ave, St. Paul, Minn	MI5-2524
Miss	Bailey Meter Co.	3355 Poplar Ave, Memphis, Tenn	FA4-9592
Mo	Bailey Meter Co.	8924 Manchester Ave, St. Louis, Mo	WO2-5532
Mont	Bailey Meter Co.	200 Broadway, Seattle, Wash	MA4-7094
Neb	Bailey Meter Co.	7718 Blondo Dr, Omaha, Neb	TE6056
Nev	Bailey Meter Co.	55 New Montgomery St, San Francisco, Cal	SU1-0926
NH	Bailey Meter Co.	230 Congress St, Boston, Mass	HA6-4082
NJ	Bailey Meter Co.	110 Halsted St, East Orange, NJ	OR4-6830
NM	Bailey Meter Co.	1506 Kearney St, Denver, Colo	EA2-7745
NY	Bailey Meter Co.	307 Ellicott Sq Bldg, Buffalo, NY	MA2088
NY	Bailey Meter Co.	30 Church St, New York, NY	YU6-8770
NY	Bailey Meter Co.	207 State St, Schenectady, NY	FR4-7991
NY	Bailey Meter Co.	3001 James St, Syracuse, NY	HO3-5500
NC	Bailey Meter Co.	205 S. Church St, Charlotte, NC	ED4-9161
ND	Bailey Meter Co.	2395 University Ave, St. Paul, Minn	MI5-2524
Ohio	Bailey Meter Co.	14901 Woodworth Rd, Cleveland, Ohio	GL1-2307
Ohio	Bailey Meter Co.	2330 Victory Pkwy, Cincinnati, Ohio	AV1-0301
Okla	Bailey Meter Co.	104 Wright Bldg Annex, Tulsa, Okla	LU3-5284
Ore	Bailey Meter Co.	2227 N.E. 142nd Pl, Portland, Ore	AL4-8178
Pa	Bailey Meter Co	675 Greentree Rd, Pittsburgh, Pa	WA1-6356
Pa	Bailey Meter Co.	29 Bala Ave, Bala-Cynwyd, Pa	MO4-3282
RI	Bailey Meter Co.	230 Congress St, Boston, Mass	HA6-4082
SC	Bailey Meter Co.	205 S. Church St, Charlotte, NC	ED4-9161
SD	Bailey Meter Co.	2395 University Ave, St. Paul, Minn	MI5-2524
Tenn	Bailey Meter Co.	3355 Poplar Ave, Memphis, Tenn	FA4-9592
Tex	Bailey Meter Co.	6615 Snider Plaza, Dallas, Tex	EM8-0013
Tex	Bailey Meter Co.	2480 Times Blvd, Houston, Tex	JA6-1628
Utah	Bailey Meter Co.	2664 Capricorn Way, Salt Lake City, Utah	CR7-5251
Vt	Bailey Meter Co.	207 State St, Schenectady, NY	FR4-7991
Va	Bailey Meter Co.	17 S. Belmont Ave, Richmond, Va	EL8-7914
Wash	Bailey Meter Co.	200 Broadway, Seattle, Wash	MA4-7094
W. Va	Bailey Meter Co.	636 Carroll Rd, Charleston, W. Va	DI2-6887
Wisc	Bailey Meter Co.	9137 W. Lisbon Ave, Milwaukee, Wisc	HO1-1310
Wyo	Bailey Meter Co.	1506 Kearney St, Denver, Colo	EA2-7745
	BAIRD-ATOMIC INC	**33 University Rd, Cambridge, Mass**	**UN4-7420**
Ala	S S Lee Associates	P. O. Box 7896, Orlando, Fla	VA3-3434
Ariz	Williams & Associates Inc	3221 Silver, S.E., Albuquerque, NM	AL365
Cal	Gerald B Miller Co	1550 N. Highland Ave, Hollywood, Cal	HO2-1195
Colo	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
DC	S S Lee Associates Inc	P. O. Box 205, Lutherville, Md	VA3-3434
Fla	S S Lee Associates Inc	P. O. Box 7896, Orlando, Fla	GA3-6566
Ga	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Idaho	Williams Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Ill	Ridgeway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgeway Associates Inc	1224 N. Capitol, Indianapolis, Ind	ME5-2401
Iowa	Ridgeway Associates Inc	6100 W. North Ave, Chicago, Ill	TU9-5715
Kan	Associated Industries Inc	455 S. Washington, Wichita, Kan	HO4-0391
Ky	Ridgeway Associates Inc	1224 N. Capitol, Indianapolis, Ind	ME5-2401
Md	S S Lee Associates Inc	P. O. Box 205, Lutherville, Md	VA3-3434
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Gaine Engineering Co	1474 E. Outer Dr, Detroit, Mich	FO6-5353
Mo	Associated Industries	455 S. Washington, Wichita, Kan	HO4-0391
Neb	Williams Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Nev	Gerald B Miller Co	1550 N. Highland Ave, Hollywood, Cal	HO2-1195
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
NM	Williams Associates Inc	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
NC	S S Lee Associates Inc	P. O. Box 906, Winston-Salem, NC	ST8-0431
Ohio	Thomco Electronic Co	Box 181, N D Sta, Dayton 24, Ohio	BE3-3551
Okla	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Pa	L & M Associates	488 W. Chapier St, Philadelphia, Pa	GE8-5666
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	S S Lee Associates	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Tenn	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Tex	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Utah	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
Va	S S Lee Associates Inc	P. O. Box 7896, Orlando, Fla	CH1-4445
Wash	S S Lee Associates Inc	P. O. Box 205, Lutherville, Md	VA3-3434
W. Va	S S Lee Associates Inc	P. O. Box 205, Lutherville, Md	VA3-3434
Wisc	Ridgeway Associates	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Wyo	Williams & Associates	2261 S. Albion St, Denver 22, Colo	SK6-9403
	BAKER CHEMICAL CO., J T	**N. Broad St, Phillipsburg, NJ**	**GL4-2151**
Cal	W Glenn Wunderly	170 E. California St, Pasadena 1, Cal	MU1-9613
Ga	Gerald H McGraw	1856 Colt, Dunwoody Forest, Chamblee	GL7-6162
Ill	Bruno G Herardini	435 N. Michigan Ave, Chicago, Ill	SU7-9490
Ill	Donald H Coale	1033 Ontario St, Oak Park, Ill	VI8-5616
Ill	Dale Critzer	6249 N. Cicero, Chicago, Ill	
Md	Newell S Rand	6704 40th Ave, University Park, Md	AP7-2520
Mass	W C Harris	9 Fletcher St, Winchester, Mass	PA9-5728
Mass	V J Wilbourn	12 Oak Knoll Terr, Needham, Mass	HI4-3486
Mich	Charles E Clower	1105 Norman Pl, Ann Arbor, Mich	NO3-5175
NJ	Harry C Locke	Onondago Trail, Medford Lakes, NJ	OL4-2803
NY	Stewart Cowell	122 E. 42nd St, New York, NY	OX7-1640
NY	William E Headley	142 Westfield Rd, Buffalo, NY	PA7348
NY	S Fisher Gaffin	274 Mayflower, New Rochelle, NY	2-9713
Ohio	Harvey P Pettit	1212 Croyden Rd, Cleveland 24, Ohio	HI9-1698
Pa	Gerard P Nelson	4507 Cedar Ln, Drexel Hill, Pa	HI9-0999
Tex	Joel H Smith	885 Country Ln, Houston 24, Tex	HO5-8239
	BALCO RESEARCH LABS	**49-53 Edison Pl, Newark 2, NJ**	**MI3-5200**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Pacific Electro Sales Inc	6053 1/2 Whittier Blvd, Los Angeles, Cal	
Cal	Electrosources Inc	201 Town & Country Village, Palo Alto, Cal	
Cal	Pacific Electro Sales Inc	6053 1/2 Whittier Blvd, Los Angeles, Cal	
Conn	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
Del	William R Scholes	P.O. Box 104, Cheltenham, Pa	
DC	William R Scholes	P.O. Box 104, Cheltenham, Pa	
Fla	Lynch-Gentry Associates Inc	35 W. North Shore Ave, Ft. Meyers, Fla	
Kan	Thomson Engineering	25020 Oak Lawn, Dallas 19, Tex	
Me	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
Md	William R Scholes	P.O. Box 104, Cheltenham, Pa	
Mass	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
Mo	Thomson Engineering	25020 Oak Lawn, Dallas 19, Tex	
Nev	Electrosources Inc	201 Town & Country Village, Palo Alto, Cal	
NH	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
NJ	William R Scholes	P.O. Box 104, Cheltenham, Pa	
NM	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
NY	Oren G Lanzendorf	513 Cumberland Ave, Syracuse, NY	
Okla	Thomson Engineering	25020 Oak Lawn, Dallas 19, Tex	
Pa	William R Scholes	P.O. Box 104, Cheltenham, Pa	
RI	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
Tex	Thomson Engineering	25020 Oak Lawn, Dallas 19, Tex	
Tex	Lennert Co	P.O. Box 2184, Houston, Tex	
Vt	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	
Canada	Electrodesign	P.Q. 736 Notre Dame St, W., Montreal, Canada	
	BALDWIN-LIMA-HAMILTON CORP	**42 Fourth Ave, Waltham 54, Mass**	**TW4-6700**
Ala	Bivins & Caldwell Inc	Huntsville, Ala	JE2-5733
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix, Ariz	CR4-5431
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal	TR7-3721
Cal	Baldwin-Lima-Hamilton Corp	2929 19th St, San Francisco 10, Cal	MI7-6781
Cal	Baldwin-Lima-Hamilton Corp	1052 W. 6th St, Los Angeles, Cal	MA6-5631
Cal	Neely Enterprises	501 Laurel St, San Carlos, Cal	LY1-2626
Colo	Williams & Assoc	2261 S. Albion St, Denver, Colo	SK6-9403
Conn	Yewell Assoc Inc	1101 E. Main St, Bridgeport, Conn	FO6-3456
DC	Baldwin-Lima-Hamilton Corp	1000 Connecticut Ave, Washington, DC	EX3-3858
Fla	Stiles Assoc Inc	1226 E. Colonial Dr, Orlando, Fla	GA5-5541
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta, Ga	CE3-7522
Ill	Baldwin-Lima-Hamilton Corp	80 E. Jackson Blvd, Chicago, Ill	HA7-3750
Ill	Crossley Assoc Inc	2501 W. Petterson Ave, Chicago, Ill	BR5-1600
Ind	Crossley Assoc Inc	5420 N. College Ave, Indianapolis	CL1-9255
Md	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore, Md	WO4-8345
Mass	Yewell Assoc Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit, Mich	BR3-2900
Minn	Crossley Assoc Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Mo	Baldwin-Lima-Hamilton Corp	1221 Locust St, St. Louis, Mo	CH1-6315
NJ	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Neely Enterprises	107 Washington St, S.E., Albuquerque	AL5-5586
NY	Baldwin-Lima-Hamilton Corp	111 Fifth Ave, New York 3, NY	OR7-5030
NY	G Curtis Engel & Assoc	New York, NY	RE2-0091
NY	Edward A Ossmann & Assoc	830 Linden Ave, Rochester, NY	LU6-4940
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	HI2-6873
Ohio	Baldwin-Lima-Hamilton Corp	Cleveland, Ohio	EN5395
Ohio	S Sterling Co	379 W. First Bldg, Dayton, Ohio	BA8-8794
Ore	Arva Inc	1238 N.W. Glisan, Portland, Ore	CA2-7337
Pa	I E Robinson Co	2120 Market St, Camp Hill, Pa	RE7-6791
Pa	Baldwin-Lima-Hamilton Corp	1098 Union Trust Bldg, Pittsburgh, Pa	AT1-4896
Pa	Baldwin-Lima-Hamilton Corp	Philadelphia 42, Pa	SA9-9161
Pa	S Sterling Co	4024 Clarion Blvd, Pittsburgh, Pa	TU4-5515
Tex	Baldwin-Lima-Hamilton Corp	2356 Irving Blvd, Dallas, Tex	RI7-8441
Tex	Earl Lipscomb Assoc	3605 Inwood Rd, Dallas, Tex	FL7-1881
Va	Bivins & Caldwell Inc	Box 6514, Richmond, Va	EL5-7931
Wash	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Foreign	Baldwin-Lima-Hamilton Corp	Eddystone Div, Eddystone, Pa	SA9-9161
	BALDWIN PIANO CO	**1801 Gilbert St, Cincinnati 2, Ohio**	
	BALLANTINE LABORATORIES INC	**Boonton, NJ**	**DE4-1432**
Ala	Scientific Sales Engrg Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	The Kay Co	708 E. 9th St, Tucson, Ariz	MA4-4588
Ariz	The Kay Co	1835 W. Camelback Rd, Phoenix, Ariz	CR9-5241
Cal	Carl A Stone Associates	8971 National Blvd, Los Angeles 34, Cal	UP0-7771
Cal	Carl A Stone Associates	825 N. San Antonio Rd, Palo Alto, Cal	DA6-0057
Colo	Raymond E Vinson Co	3600 S. Lincoln Ave, Englewood, Colo	SU9-2851
Conn	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Del	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Fla	Scientific Sales Engrg Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Ill	Robert L Lang Assoc	6733 N. Olmsted Ave, Chicago 31,	SP4-3610
Ind	Robert L Lang Assoc	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Iowa	Robert L Lang Assoc	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Ky	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
Me	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Mich	Gaine Engineering Co	1474 E. Outer Dr, Detroit 34, Mich	FO6-5353
Miss	Scientific Sales Engrg Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
NH	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NJ	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
NY	SBM Assoc Inc	969 Clinton Ave, S., Rochester 20,	GR3-6506
NY	SBM Associates Inc	9 Highland Ave, Albany 5, NY	HE8-5381
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	DI4-2997
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32	CH4-2744
Ore	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
Pa	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
RI	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
SC	Scientific Sales Engrg Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engrg Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engrg Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Vt	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
W. Va	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
Wisc	Robert L Lang Assoc	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Canada	Bayly Engineering Ltd	48 Sparks St, Ottawa, Ontario, Canada	CE2-9821
Foreign	Leland Instruments Ltd	22-23 Millbank, London, S W 1, England	
Foreign	Stern Int'l Corp	425 4th Ave, New York 16, NY	OR9-7374
Foreign	Sylvan Ginsbury Ltd	2 Rue Bartholoni, Geneva, Switzerland	255065
Foreign	Warburton Franki Ltd	355 Lonsdale St, Melbourne, Australia	
	BALLASTRAN DIV TELEX INC	**1701 N. Carlson St, Fort Wayne 7, Ind**	**E9602**
Ill	Engineered Sales Co	3592 Milwaukee Ave, Chicago, Ill	PE6-0555
Mass	John E Boeing Co	P.O. Box 235, Lexington 73, Mass	VO2-2500
Ohio	Frank Borchelt	1926 Green Pine Dr, Cincinnati, Ohio	WE1-3745
Pa	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
	BALTEAU ELECTRIC CORP	**15 New St, Stamford, Conn**	
	BALTIC METAL PRODUCTS CO	**126 Sutton St, Brooklyn 22, NY**	**EV4-2300**
	BARBER COLMAN CO	**1300 Rock St, Rockford, Ill**	**WO8-6833**
	BARCO CHEMICAL PRODUCTS CO	**701-703 S. LaSalle, Chicago 5, Ill**	**HA7-2916**
	BARCO INC	**P.O. Box 1222, Milwaukee 1, Wisc**	**BR6-8515**
Ariz	Martin Mann Associates	Box 442, Van Nuys, Cal	STO-0911
Ark	J Y Schoonmaker Co	P.O. Box 35266, Dallas 35, Tex	LA6-7238
Cal	Martin Mann Associates	450 Ninth St, San Francisco, Cal	UN3-0317
Cal	Martin Mann Associates	Box 442, Van Nuys, Cal	STO-0911
Cal	E L Berman Co	450 Ninth St, San Francisco, Cal	UN3-0317
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
Del	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
DC	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Fla	Mark Electronic Sales Co	410 N.E. 147th Terr, North Miami 61, Fla	WI7-5080
Ga	Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
Idaho	James W Eckersley	3150 S.W. Hamilton St, Portland 1, Ore	CA8-0308
Ill	Gene - F Sales Co	5306 W. Lawrence Ave, Chicago 30, Ill	KI5-5562
La	J Y Schoonmaker Co	P.O. Box 35266, Dallas 35, Tex	LA6-7238
Me	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
Md	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Mass	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
Minn	H A Cullen	614 E. Grant St, Minneapolis 4, Minn	FE6-6650
Mont	James W Eckersley	3150 S.W. Hamilton St, Portland 1, Ore	CA8-0308
Nev	E L Berman	450 Ninth St, San Francisco, Cal	UN3-0317
NH	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NC	Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
ND	H A Cullen	614 E. Grant St, Minneapolis 4, Minn	FE6-6650
Ohio	Sid Levin Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	J Y Schoonmaker Co	P.O. Box 35266, Dallas 35, Tex	LA6-7238
Ore	James W Eckersley	3150 S.W. Hamilton St, Portland 1, Ore	CA8-0308
Pa	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Pa	Sid Levin Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
RI	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
SC	Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
SD	H A Cullen	614 E. Grant St, Minneapolis 4, Minn	FE6-6650
Tenn	Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
Tex	J Y Schoonmaker Co	P.O. Box 35266, Dallas 35, Tex	LA6-7238
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Alexander Hubert	130 Westbourne Terr, Brookline 46, Mass	AS7-2467
Va	Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
Wash	James W Eckersley	3150 S. W. Hamilton St, Portland 1, Ore	CA8-0308
W. Va	Sid Levin Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI 2-8340
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
	BARDEN CORP., THE	**200 Park Ave, Danbury, Conn**	**PI3-9201**
Cal	Barden Corp	3850 Wilshire Blvd, Los Angeles 5, Cal	DU5-0034
Colo	Tompkins Co	4970 Jackson St, Denver 16, Colo	
Mo	Tompkins Co	2317 Charlotte St, Kansas City 8, Mo	
Tex	Tompkins Co	2743 Irving Blvd, Dallas, Tex	
Canada	Philip French Sales Ltd	8425 Mountain Sights Ave, Montreal 16, Canada	
	BARFIELD & CO., INC	**3233 W. 36th St, Chicago 32, Ill**	**BI7-5227**
Ala	Maxim Hershey	1326 S.W. 6th St, Miami, Fla	FR3-2575
Ariz	J & H Sales Co of Cal	8271 Melrose Ave, L A 46, Cal	OL3-0170
Ark	Harold Schnair Sales Co	123 Manufacturing St, Dallas 7, Tex	RI8-5901
Cal	J & H Sales Co of Cal	8271 Melrose Ave, L A 46, Cal	OL3-0170
Colo	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
Conn	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459
Del	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
DC	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
Fla	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
Ga	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
Idaho	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
Ill	Reichman Enterprises	1625 S. Michigan Ave, Chicago, Ill	WE9-3077
Ind	Phil Meyers	2132 Monroe St, Toledo 2, Ohio	CH2-7171
Iowa	Harry N Schwartz	5346 Paseo, Kansas City 10, Mo	
Kan	Harry N Schwartz	5346 Paseo, Kansas City 10, Mo	
Ky	Phil Meyers	2132 Monroe St, Toledo 2, Ohio	CH2-7171
La	Harold Schnair Sales Co	123 Manufacturing St, Dallas 7, Tex	RI8-5901
Me	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459
Md	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
Mass	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459
Mich	Phil Meyers	2132 Monroe St, Toledo 2, Ohio	CH2-7171
Minn	Reichman Enterprises	1625 S. Michigan Ave, Chicago, Ill	WE9-3077
Miss	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
Mo	Harry N Schwartz	5346 Paseo, Kansas City 10, Mo	
Mont	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
Neb	Harry N Schwartz	5346 Paseo, Kansas City 10, Mo	
NH	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459
NJ	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
NM	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
NY	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
NC	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
ND	SKB Co., Inc	2810-22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Ohio	Phil Meyers	2132 Monroe St, Toledo 2, Ohio	CH2-7171
Okla	Harold Schnair Sales Co	123 Manufacturing St, Dallas 7, Tex	RI8-5901
Ore	J & H Sales Co of Cal	8271 Melrose Ave, L A 46, Cal	OL3-0170
Pa	Ray Jesselson	123 W. 57th St, New York 19, NY	PL7-0474
RI	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
SC	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
SD	SKB Co., Inc	2810-22nd Ave, S., Minneapolis 7, Minn	PA2-1226
Tenn	Maxim Hershey	1326 S.W 6th St, Miami 35, Fla	FR3-2575
Tex	Harold Schnair Sales Co	123 Manufacturing St, Dallas 7, Tex	RI8-5901
Tex	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
Utah	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
Vt	Kone-Resnick Associates	234 Pearl St, Hartford 3, Conn	JA2-6459
Va	Maxim Hershey	1326 S.W. 6th St, Miami 35, Fla	FR3-2575
Wash	J & H Sales Co of Cal	8271 Melrose Ave, L A 46, Cal	OL3-0170
Wisc	Reichman Enterprises	1625 S. Michigan Ave, Chicago, Ill	WE9-3077
Wyo	M & M Sales Co	1159 Welton, Denver 4, Colo	FR7-6144
	BARIUM & CHEMICALS INC	**Willoughby, Ohio**	**WH2-5151**
	BARKER PRODUCTS CO	**3 Component Pk, W. Bridgewater, Mass**	**JU3-6788**
Ala	Maitland K Smith Co	1701-C Valley Ave, Birmingham, Ala	TR9-7197
Alaska	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Ark	Charles Lucas Sales Co	P. O. Box 8506, Dallas, Tex	WH2-5958
Cal	Koessler Sales Co	818 N. Fairfax, Los Angeles, Cal	OL3-1605
Cal	Koessler Sales Co	676 Fulton St, San Francisco, Cal	GO7-0622
Cal	Henry Feldman Co	1244 S. Grand Ave, Los Angeles, Cal	RI9-8803
Colo	Vines & Co	P. O. Box 1025, Denver, Colo	TA5-4471
Conn	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
Del	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
DC	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
Fla	Maitland K Smith Co	222 Riverside Dr, Ormond Beach, Fla	OR7-2298
Ga	Maitland K Smith Co	208 14th St, Atlanta 9, Ga	TR5-8031
Idaho	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ill	Loren F Green & Associates	5218 W. Diversity Ave, Chicago 39, Ill	PA5-6824
Ill	Zimmer Sales Co	5620 Woodward Ave, Marrian, Kan	HE2-1121
Ind	Loren F Green & Associates	5218 W. Diversity, Chicago 39, Ill	PA5-6824
Kan	Zimmer Sales Co	5620 Woodward Ave, Marrian, Kan	HE2-1121
Ky	Loren F Green & Associates	5218 W. Diversity, Chicago 39, Ill	PA5-6824
La	Charles Lucas Sales Co	P. O. Box 8506, Dallas, Tex	WH2-5958
Me	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
Md	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
Mass	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
Mich	Wayne Bertel Co	13209 Fenkell, Detroit 27, Mich	VE8-9100
Miss	Maitland K Smith Co	208 14th St, Atlanta 9, Ga	TR5-8031
Mo	Zimmer Sales Co	5620 Woodward Ave, Marrian, Kan	HE2-1121
Mont	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Neb	Zimmer Sales Co	5620 Woodward Ave, Marrian, Kan	HE2-1121
Nev	Koessler Sales Co	818 N. Fairfax, Los Angeles, Cal	OL3-1605
Nev	Henry Feldman Co	1244 S. Grand Ave, Los Angeles 14, Cal	RI9-8803
NH	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
NJ	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
NJ	John T Stinson Co	2124 Darby Rd, Havertown, NJ	SU9-7111
NM	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
NY	Electro Rep Sales Co	87 Culver Rd, Rochester 7, NY	GR3-7398
NY	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	
Ohio	J M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-4533
Okla	Charles Lucas Sales Co	P. O. Box 8506, Dallas 16, Tex	WH2-5958
Ore	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Pa	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
Pa	J M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
RI	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
SC	Maitland K Smith Co	208 14th St, Atlanta 9, Ga	TR5-8031
Tenn	Maitland K Smith Co	208 14th St, Atlanta 9, Ga	TR5-8031
Tex	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Tex	Charles Lucas Sales Co	P. O. Box 8506, Dallas 16, Tex	WH2-5958
Utah	Vines & Co	P. O. Box 1025, Denver, Colo	TA5-4471
Vt	M C Grossman Sales Co	30 Ithaca, Newton Lower Falls, Mass	DE2-7481
Va	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7111
Wash	William R Lanphear Co	3215 Western Ave, Seattle 99, Wash	AT4-8150
W. Va	J M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-4533
Wisc	Loren F Green & Associates	5218 W. Diversity, Chicago 39, Ill	PA5-6264
Wyo	Vines & Co	P. O. Box 1025, Denver, Colo	TA5-4471
	BARKER & WILLIAMSON	**Canal & Beaver Sts, Bristol, Pa**	**ST8-5581**
Cal	Wes Alderson Co	3050 Overland, Los Angeles 34, Cal	
Cal	William J Purdy Co	312 7th St, San Francisco 3, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	
Ill	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	
Kan	Koenig Sales	6359 Antioch Ave, Merriam, Kan	
Mass	Richard N Purinton Co	11 Muzzey St, Lexington 73, Mass	
Minn	Marvin H Kirkeby Co	204 Sunnyridge Ln, Minneapolis, Minn	
Mo	Koenig-Myers Assoc	4538 Main St, Kansas City 11, Mo	
NM	Hyde Electronics Co	5206 Constitution, N.E., Albuquerque, NM	
NC	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	
NC	Murphy & Cota	1102 Burke St, Winston-Salem, NC	
Tex	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	
Wash	Verner O Jensen Co	954 E. Union, Seattle 2, Wash	
Foreign	Royal National Corp	250 W. 57th St, New York 19, NY	
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Ontario, Canada	
	BARNES DEVELOPMENT CO	**213 W. Baltimore Pike, Lansdowne, Pa**	**MA6-3294**
Ala	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Ariz	W K Geist Co	3177 Glendale Blvd, L A, Cal	NO5-8910
Cal	W K Geist Co	3177 Glendale Blvd, L A, Cal	NO5-8910
Conn	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
Del	Seebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
DC	Andrew H Baxter	Albee Bldg, Washington, DC	RE7-2121
Fla	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Ga	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Iowa	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Me	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
Md	Andrew H Baxter	Albee Bldg, Washington, DC	RE7-2121
Md	Seebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
Mass	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
Mich	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Miss	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Mo	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Nev	W K Geist Co	3177 Glendale Blvd, L A, Cal	NO5-8910
NH	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NJ	Seebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
NM	W K Geist Co	3177 Glendale Blvd, L A, Cal	NO5-8910
NY	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NC	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Pa	Seebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
RI	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
SC	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Tenn	Specialized Electronics Corp	529 N. 18th St, Birmingham 1, Ala	
Tex	W K Geist Co	3177 Glendale Blvd, L A, Cal	NO5-8910
Vt	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5332
Va	Andrew H Baxter	Albee Bldg, Washington, DC	RE7-2121
Wisc	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Canada	Techneek Assoc	1405 Bishop St, Montreal, Canada	BE7874
	BARNES ENGINEERING CO	**30 Commerce Rd, Stamford, Conn**	**FI8-5381**
Cal	Costello & Co	2740 S. La Cienega Blvd, Los Angeles 34	UP0-8537
Cal	Costello & Co	535 Middlefield Rd, Palo Alto, Cal	DA1-3745
Ohio	Ashby Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Tex	Industrial Associates Electronics	P.O. Box 8068, Fort Worth, Tex	JE5-2056
Foreign	H Dauber Associates Inc	Leopoldstrasse 27, Munich 23, Germany	MU363494
Foreign	H Dauber	390 Ocean Ave, West End, NJ	
	BARNSTEAD STILL & STERLIZER CO	**84 Lanesville Terr, Boston 31, Mass**	**JA4-3700**
Cal	Barnstead Still & Sterilizer Co	San Francisco, Cal	TE2-5391
Cal	Barnstead Still & Sterilizer Co	Los Angeles, Cal	RY1-6663
DC	Barnstead Still & Sterilizer Co	Washington, D C	DI7-1142
Ill	Barnstead Still & Sterilizer Co	Chicago, Ill	RO1-6173
Mass	Barnstead Still & Sterilizer Co	Boston, Mass	JA4-3100
Mich	Barnstead Still & Sterilizer Co	Detroit, Mich	EN7422
NY	Barnstead Still & Sterilizer Co	New York, N Y	KI8-1557
Ohio	Barnstead Still & Sterilizer Co	Cleveland, Ohio	AC6-6622
Pa	Barnstead Still & Sterilizer Co	Philadelphia, Pa	LO8-1796
	BAR-RAY PRODUCTS INC	**213 25 St, Brooklyn 32, NY**	**SO8-1020**
	BARRETT CO., LEON J	**1776 Grafton Rd, Worcester 1, Mass**	**PL5-4306**
Ariz	Stearns Sales Co	665 W. 14th St, Long Beach 13, Cal	HE5-5913
Ark	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA3-3811
Cal	Stearns Sales Co	665 W. 14th St, Long Beach 13, Cal	HE5-5913
Cal	W A Borden Co	1813 San Lorenzo Ave, Berkeley 7	LA5-1357
Ill	George H Anderson & Assoc	205 W. Wacker Dr, Chicago 6, Ill	AN3-6996
Ill	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA3-3811
Ind	Lor-Mac Assoc	Fisher Bldg, Detroit 2, Mich	TR1-7600
Ind	Bosland Indl Sales	4115 Edwards Rd, Cincinnati 9, Ohio	JE1-5947
Iowa	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA3-3811
Kan	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA3-3811
Ky	Bosland Indl Sales	4115 Edwards Rd, Cincinnati 9, Ohio	JE1-5947
Ky	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA3-3811
Mich	Lor-Mac Associates	403 Fisher Bldg, Detroit 2, Mich	TR1-7600
Mo	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA7-0959
Ohio	Aldrich Co	4040 Mayfield Rd, Cleveland 21, Ohio	EV2-2890
Ohio	Bosland Ind Sales	4115 Edwards Rd, Cincinnati 9, Ohio	JE1-5947
Okla	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA7-0959
Pa	Wm K Stamets Co	Jenkins Arcade Bldg, Pittsburgh 22, Pa	AT1-8091
Tenn	Cesco Equipment Co	6269 Delmar Blvd, St. Louis 5, Mo	PA7-0959
Tex	Preston Machine Tools Inc	Professional Bldg, Arlington, Tex	AN2-1556
Tex	Preston Machine Tools Inc	Box 18327, Houston 11, Tex	WA8-3157
W. Va	Wm K Stamets Co	Jenkins Arcade Bldg, Pittsburgh, Pa	AT1-8091
W. Va	Bosland Indl Sales Co	4115 Edwards Rd, Cincinnati 9, Ohio	JE1-5947
Wisc	E L Schultz Co	3239 N. 79th St, Milwaukee 16, Wisc	HI4-7001
Canada	Williams & Wilson Ltd	Box 6117, Montreal, Quebec, Canada	UN6-2851
Canada	Williams & Wilson Ltd	71 Front St, E., Toronto 1, Ontario, Can	EM3-8311
	BARRETT VARNISH CO	**1532 S. 50 Ct, Cicero 50, Ill**	**OL2-4220**
	BARRY CONTROLS INC	**711 Pleasant St, Watertown 72, Mass**	
	BART LABS & DESIGN INC	**125 Manchester Pl, Newark 4, NJ**	**PL9-0200**
	BART MFG CORP	**227 Main St, Belleville, NJ**	**PL9-0200**
	BARTA-GRIFFIN CO	**72 Commercial St, Worcester 1, Mass**	
	BARWOOD ELECTRONICS INC	**120 S. Maryland Ave, Glendale 5, Cal**	**CH5-4063**
	BARWOOD MFG CO., INC., L J	**22 Williams St, Everett 49, Mass**	**DU7-0942**
	BASLER ELECTRIC CO	**P.O.Box 269, Highland, Ill**	**2123**
Cal	Aursupply-Aero Engineering Co	9815 Wilshire Blvd, Beverly Hills, Cal	BR2-8111
Cal	Aursupply-Aero Engineering Co	207 Town & Country, Palo Alto, Cal	DA6-4186
Cal	Aursupply-Aero Engineering Co	Box 6296, Point Loma Sta, San Diego 6	CY8-1121
Colo	Aursupply-Aero Engineering Co	3311 S. Broadway, Englewood, Colo	SU9-0691
Fla	Aursupply-Aero Engineering Co	2050 W. Fairbanks, Winter Park, Fla	MI7-2947
Ga	Aursupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Ill	H Sam Tollaksen	304 S. Halsted St, Chicago, Ill	CE6-2964
Ind	Aursupply-Aero Engineering Co	3440 N. Meridian St, Indianapolis 8, Ind	WA5-3528
Kan	Aursupply-Aero Engineering Co	612 S. Oliver St, Wichita, Kan	MU3-7518
Md	Aursupply-Aero Engineering Co	7215 York Rd, Baltimore 12, Md	VA3-4101
Mass	Aursupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW4-9165
Mich	Aursupply-Aero Engineering Co	15823 W. McNichols Rd, Detroit 35, Mich	BR3-7238
Minn	Aursupply-Aero Engineering Co	5407 Excelsior Blvd, Minneapolis, Minn	WA2-0848
Mo	Kinrick	222 Olymphia Dr, St. Louis 21, Mo	JA1-4877
NY	Aursupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
NY	Aursupply-Aero Engineering Co	2360 James St, Syracuse 6, NY	HO3-8531
Ohio	Aursupply-Aero Engineering Co	911 S. James Rd, Columbus 13, Ohio	BE1-2758
Ohio	Aursupply-Aero Engineering Co	333 W. 1st St, Dayton, Ohio	BA4-0728
Pa	Aursupply-Aero Engineering Co	1510 Russell Rd, Paoli, Pa	LA4-1450
Tex	Aursupply-Aero Engineering Co	1209 Lake St, Ft. Worth, Tex	ED5-4541
Wash	Aursupply-Aero Engineering Co	10633 N.E. 8th St, Bellevue, Wash	GL4-7922
Wisc	Gordon K Tollaksen	610 Main St, Racine, Wisc	ME2-2345
	BASO INC	**730 N. Jackson St, Milwaukee 1, Wisc**	**BR3-5382**
Ala	George F Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ariz	R F Rafenstein	803 Averill Ave, San Pedro, Cal	TE3-2955
Cal	R W Burn	1447 Miramonte Ave, Los Altos, Cal	YO7-6570
Cal	R F Rafenstein	803 Averill Ave, San Pedro, Cal	TE3-2955
Conn	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
Del	Arnold Assoc	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Fla	George F Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ga	George F Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Idaho	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
Ill	Design & Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Ind	Magnuson Assoc	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Iowa	Magnuson Assoc	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Kan	Design & Sales Engrg Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Me	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
Md	Arnold Assoc	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Mass	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
Mich	Magnuson Assoc	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Minn	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Mont	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
Neb	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Nev	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
NH	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
NJ	Par Distributors	555 Jericho Tnpk, Syosset, NY	WA1-5290
NY	Par Distributors	555 Jericho Tnpk, Syosset, NY	WA1-5290
NY	Alan E DeCew Agency	P.O. Box 73, Sodus, NY	SO3261
Ore	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
Pa	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
RI	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
Utah	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
Vt	M H Sullivan	1519 River St, Boston 36, Mass	HY3-5316
	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Wash	R W Burn	1447 Miramonte, Los Altos, Cal	YO7-6570
Wisc	Magnuson Assoc	3347 W. Irving Pk Rd, Chicago, Ill	KE9-7555
	BASSETT INC., REX	**1314 N.E. 17 Ct, Ft Lauderdale, Fla**	**LO6-8416**
	BAUSCH & LOMB	**61461 Bausch St, Rochester 2, NY**	**LO2-3000**
Cal	Bausch & Lomb	20 Jones St, San Francisco 2, Cal	UN3-1580
Cal	Bausch & Lomb	314 W. 6th St, Los Angeles 14, Cal	MA3-1401
DC	Bausch & Lomb	1324 Eye St, Washington 5, DC	RE7-1818
Ga	Bausch & Lomb	78 Marietta St, N.W. Atlanta, Ga	JA5-0791
Ill	Bausch & Lomb	740 Washington Blvd, Chicago 6, Ill	ST2-9232
Mass	Bausch & Lomb	110 Tremont St, Boston, Mass	HU2-3520
Mich	Bausch & Lomb	20200 W. Outer Dr, Dearborn, Mich	LO1-8860
Mo	Bausch & Lomb	P.O. Box 178, St. Louis 66, Mo	CE1-1460
NY	Bausch & Lomb	730 5th Ave, New York 19, NY	CI7-5400
Pa	Bausch & Lomb	1814 Chestnut St, Philadelphia 3, Pa	LO3-0831
	BAYLY ENGINEERING LTD	**Hwy St, Ajax, Ont, Canada**	**EM2-3741**
	BAYSIDE TIMERS	**43-27 162 St, Flushing, NY**	**IN3-8935**
	BAY STATE ABRASIVE PRODUCTS CO	**12 Union St, Westboro, Mass**	
Cal	Bay State Abrasive Products Co	3480 Cherry Ave, Long Beach 7, Cal	GA7-2983 GA7-4947
Ill	Bay State Abrasive Products Co	3701 W. 49th St, Chicago 32, Ill	FR6-6677
Mich	Bay State Abrasive Products Co	25600 Princeton Rd, Inkster 27, Mich	LO5-8870
Ohio	Bay State Abrasive Products Co	9550 Granger Rd, Cleveland 25, Ohio	LU7-1484
Pa	Bay State Abrasive Products Co	1691 Washington Rd, Pittsburgh 28, Pa	LO3-1144
	BEACH-RUSS CO	**620 U Grayhar Bldg, New York 17, NY**	**OR9-7636**
	BEAD CHAIN MFG CO	**110 Mountain Grove St, Bridgeport 5, Conn**	**ED4-4124**
	BEAM & CO MORRIS	**Hyde Rd, Yellow Springs, Ohio**	**RO7-7301**
	BEAR MFG CO	**Rock Island, Ill**	**6-6461**
	BEARING INSPECTION INC	**3311 E. Gage Ave, Huntington Park, Cal**	**LU2-6431**
	BEATTIE-COLEMAN INC	**1000 N. Olive St, Anaheim, Cal**	**PR4-4503**
Alaska	Comptronics	2 Hanford St, Seattle, Wash	
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	
Ark	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	
Cal	R L Pfleiger Co	1652 Laurel St, San Carlos, Cal	
Cal	M A Stolaroff Co	4522 W. Slauson Ave, Los Angeles, Cal	
Colo	Gene French Co	3395 S. Bannock St, Englewood, Colo	
Fla	Arthur H Lynch & Associates	361 N.E. 114th St, Miami, Fla	
Idaho	Comptronics	2 Hanford St, Seattle, Wash	
Idaho	Gene French Co	3395 S. Bannock St, Englewood, Colo	
Ill	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	
Ind	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	
Iowa	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	
La	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	
Md	E F I Agency	880 Bonifant St, Silver Spring, Md	
Md	E F I Agency	212 Washington Ave, Towson, Md	
Minn	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	
Nev	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	
NJ	E F I Agency	108 Forest Ave, Narbeth, Pa	
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	
NM	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	
NY	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	
NY	George O Miller Co	639 S. Warren St, Syracuse 2, NY	
NC	E F I Agency	2020 Beach St, Winston-Salem, NC	
Ohio	Ohio Instrument Co	7316 Churchill, Dayton, Ohio	
Okla	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	
Ore	Comptronics	2 Hanford St, Seattle, Wash	
Pa	E F I Agency	212 Washington Ave, Towson, Md	
Pa	E F I Agency	108 Forest Ave, Narbeth, Pa	
Pa	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia 4, Pa	
Pa	Ohio Instrument Co	7316 Winston Churchill, Dayton, Ohio	
SC	E F I Agency	2020 Beach St, Winston-Salem, NC	
Tenn	E F I Agency	2020 Beach St, Winston-Salem, NC	
Tex	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	
Utah	Gene French Co	138 S. 2nd St, E. Salt Lake City, Utah	
Va	E F I Agency	2020 Beach St, Winston-Salem, NC	
Wash	Comptronics	2 Hanford St, Seattle, Wash	
W. Va	E F I Agency	880 Bonifant St, Silver Spring, Md	
Wisc	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	
Wyo	Gene French Co	3395 S. Bannock St, Englewood, Colo	
Foreign	Ad Aurienna Inc	85 Broad St, New York 4, NY	
Canada	Alex L Clark Ltd	3751 Bloor St, W., Islington, Ont, Canada	
	BEAVER GEAR WORKS INC	**1034 Parnele St, Rockford, Ill**	**WO3-9691**
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	R Sydney Hopkins Co	112 W. Broadway, Anaheim, Cal	ZE1912
Ill	Branco Sales	P.O. Box 162, Evanston, Ill	BR3-2636
Ind	E L Rufe	P.O. Box 77, Mishawaka, Ind	BL5-1953

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	Herman E Johnson	3123 E. Jefferson Ave, Detroit 7, Mich	LO7-8445
Mo	American Eng & Supply Co	406 W. 34th St, Kansas City 11, Mo	JE5236
NY	Wm H Brouwer & Co	55 W. 42nd St, New York 36, NY	BR9-3928
Ohio	G & H Sales Co	Box 416, Cincinnati 37, Ohio	JE1-0553
Tex	Industrial Sales & Eng Co	1020 Campbell Rd, Houston 24, Tex	HO5-3884
	BEAVER LABS INC	**187-61 Hollis Ave, Jamaica 23, NY**	**AX7-0521**
Ala	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Conn	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood, Fla	WA2-4430
Ill	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	UP8-8313
Ind	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
Iowa	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Kan	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Ky	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
Me	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Mass	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Mo	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Neb	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
NH	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
NY	Sam R Eisenberg & Associates	215-32 Murdock Ave, Queens Village, NY	HO5-0293
Ohio	James M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
Pa	James M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
RI	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Vt	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
W. Va	James M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
Wisc	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	UP8-3313
Canada	Norris Burgess	418 Mt. Pleasant Rd, Toronto 7, Canada	HU9-1854
	BECKER BROTHERS CARBON CO	**3450 S. Laramie Ave, Cicero 50, Ill**	**OL2-9545**
			BI2-1260
	BECKER ELECTRONICS MFG CORP	**Morton & Rockaway, Valley Stream, NY**	**LO1-2510**
	BECKLEY ELECTRIC CO	**466 Grand Ave, Brooklyn, NY**	**NE8-0211**
	BECKMAN/BERKELEY DIV	**2200 Wright Ave, Richmond 3, Cal**	**LA6-7730**
Ala	Murphy & Cota Co	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Alaska	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Ariz	V T Rupp Co	1437 San Mateo N.E., Albuquerque, NM	AL6-0798
Cal	V T Rupp Co	3445 Fifth Ave, San Diego 3, Cal	CY8-9835
Cal	V T Rupp Co	307 Parkman Ave, Los Angeles, Cal	DU7-8224
Cal	V T Rupp Co	1182 Los Altos Ave, Los Altos, Cal	WH8-1483
Colo	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Broger Inst Sales Co., Inc	443 Winthrop Ave, New Haven 15, Conn	SP7-6279
Del	Broger Inst Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Murphy & Cota Co	2319 E. South St, Orlando, Fla	GA4-2167
Ga	Murphy & Cota Co	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Hawaii	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Idaho	Rush S Drake Associates Inc	455 E. 25th St, Idaho Falls, Idaho	JA2-992
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ill	LeeMark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Ind	Ridgway Associates Inc	1224 N. Capitol Ave, Indianapolis 2, Ind	ME5-2401
Iowa	LeeMark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Iowa	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Kan	LeeMark Associates	4021 W. 86th St, Kansas City 15, Mo	NI2-3313
Kan	LeeMark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Ky	Ridgway Associates Inc	1224 N. Capitol Ave, Indianapolis 2, Ind	ME5-2401
Ky	Ridgway Associates Corp	3130 Far Hills Ave, Dayton 29, Ohio	AX3-2167
Me	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Mich	Ridgway Associates Corp	3384 12 Mile Rd, Berkeley, Mich	LI6-3312
Minn	Pinkney & Hine Co	1925 Nicollet Ave, Minnpls 3, Minn	FE8-0523
Miss	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Mo	LeeMark Associates	4021 W. 86th St, Kansas City 15, Mo	NI2-3313
Mo	LeeMark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Neb	LeeMark Associates	4021 W. 86th St, Kansas City 15, Mo	
Neb	LeeMark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Nev	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
NH	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NJ	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
NM	V T Rupp Co	1437 San Mateo, N.E., Albuquerque, NM	AL6-0798
NY	SBM Associates Inc	969 Clinton Ave, S., Rochester 20, NY	GR3-6506
NY	SBM Associates Inc	9 Highland Ave, Albany 5, NY	HE8-5381
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
ND	Pinkney & Hine Co	1925 Nicollet Ave, Minnpls 3, Minn	FE8-0523
Ohio	Ridgway Associates	5915 Shaff Rd, Cleveland 31, Ohio	LA4-1421
Ohio	Ridgway Associates Corp	3130 Far Hills Ave, Dayton 29, Ohio	AX3-2167
Okla	Dannemiller-Smith Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL7-8249
Ore	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	Ridgway Associates	5915 Shaff Rd, Cleveland 31, Ohio	LA4-1421
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
Pa	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
RI	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
SD	Pinkney & Hine Co	1925 Nicollet Ave, Minnpls 3, Minn	FE8-0532
Tenn	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Tex	Dannemiller-Smith Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL7-8249
Tex	Dannemiller-Smith Inc	6218B Westheimer Rd, Houston 27, Tex	HO5-8347
Utah	Williams & Associates Inc	320 E. 4th S., Salt Lake City, Utah	EM4-6844
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Va	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
Wash	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	Ridgway Associates Corp	5915 Shaff Rd, Cleveland 31, Ohio	LA4-1421
Wisc	Pinkney & Hine Co	1925 Nicollet Ave, Minnpls 3, Minn	FE8-0523
Wisc	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Wyo	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Foreign	International Div Beckman Inst	2500 Fullerton Rd, Fullerton, Cal	
	BECKMAN INSTRUMENTS INC SYSTEMS DIV	**325 N. Muller Ave, Anaheim, Cal**	**PR4-5430**
Ala	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Ariz	G S Marshall Co	2030 E. Broadway, Tucson	MA2-4719
Cal	Beckman Systems Div	1117 California Ave, Palo Alto, Cal	DA6-5415
Cal	R L Plieger Co	1652 Laurel St, San Carlos, Cal	LY1-0396
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-6781
Cal	G S Marshall Co	3525 Fifth Ave, San Diego 3, Cal	CY8-8234
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ill	Beckman Systems Div	4914 W. Belmont Ave, Chicago, Ill	PE6-5270
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-05715
Ind	Ridgway Associates Inc	1224 N. Capitol Ave, Indnpls	ME5-2401
Md	Beckman Systems Div	7924A Wisconsin Ave, Bethesda 14, Md	OL6-1644
Minn	Pinkney & Hine	1925 Nicollet Ave, Minnpls, Minn	FE8-0523
Mo	LeeMark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Mo	LeeMark Associates	1500 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
NJ	Beckman Systems Div	U S Hwy 22 At Summit Rd, Mountainside	WE2-7600
NY	SBM Associates Inc	969 Clinton Ave, S., Rochester 20	GR3-6506
NY	SBM Associates Inc	9 Highland Ave, Albany 5, NY	AL8-5381
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Ohio	Elliott-Sales Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Tenn	Beckman Systems Div	5728 Whitman Ave, Ft. Worth 15, Tex	AX2-1065
Wash	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
	BECKMAN & WHITLEY INC	**913 San Carlos Ave, San Carlos, Cal**	**LY3-7824**
	BECK'S INC	**298-300 E. Fifth St, St Paul 1, Minn**	**CA4-6465**
	BEEDE ELECTRICAL INST CO., INC	**Penacook, NH**	**PL3-6342**
Ariz	Allen I Williams Co	2263 Albion St, Denver, Colo	SK6-9403
Cal	Lebell-Warren Associates	1485 Bayshore Blvd, San Francisco, Cal	JU6-7711
Colo	Allen I Williams Co	2263 Albion St, Denver, Colo	SK6-9403
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM6-9631
Del	Robert Madsen Co	22 Dunnder Dr, Summit, NJ	CR3-8320
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach, Fla	WI5-4284
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ind	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Iowa	Anderson & Associates	3825 York Ave, N. Minneapolis 2, Minn	JU8-2523
Kan	Allen I Williams Co	2263 Albion St, Denver, Colo	SK6-9403
Ky	Scott & Steffen Co., Inc	336 Francis Bldg, Louisville 2, Ky	JU3-3220
La	Packard & Associates	Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Me	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1008
Md	Robert Madsen	22 Dunnder Dr, Summit, NJ	CR3-8320
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1008
Mich	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Minn	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	JU8-2523
Mo	F J Bullivant	1913 Washington Ave, St. Louis, Mo	CH1-6510
Mont	Fred H Haight	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Neb	Allen I Williams	2263 S. Albion St, Denver 22, Colo	SK6-9403
NH	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	Robert Madsen	22 Dunnder Dr, Summit, NJ	CR3-8320
NM	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
NY	Esward A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4940
ND	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	JU8-2523
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Okla	Packard & Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Pa	Robert Madsen	22 Dunnder Dr, Summit, NJ	CR3-8320
Pa	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
RI	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
SD	Anderson & Associates	3825 York Ave, N. Minneapolis, Minn	JU8-2523
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Utah	Allen I Williams Co	2263 S. Albion St, Denver, Colo	SK6-9403
Vt	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Wyo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
	BEEMER ENGINEERING CO	**401 N. Broad St, Philadelphia 8, Pa**	**WA2-0900**
NJ	Beemer Engineering Co	1865 Morris Ave, Union, NJ	
NY	Beemer Engineering Co	Chanin Bldg, New York 17, NY	OX7-3860
NY	P B Eyre	67 Oak-Grove Dr, Buffalo 21, NY	PL4363
NY	H N Clark	830 Linden Ave, Rochester 10, NY	LU6-0371
NY	C L Martin	De Witt, New York	GI6-2540
Va	Apex Machine Mfg Co	216 S. 5th St, Richmond, Va	MI3-6709
	BEHLMAN ENGINEERING CO	**2911 Winona Ave, Burbank, Cal**	**VI9-5733**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville, Ala	JE2-2811
Ariz	T Louis Snitzer	5354 W. Pico Blvd, Los Angeles 19, Cal	WE8-2074
Ariz	T Louis Snitzer	7814 Ivanhoe Ave, La Jolla, Cal	GL4-2191
Ark	Packard Associates	404 Love Field Air Term, Dallas, Tex	FL7-5713
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles 19, Cal	WE8-2074
Cal	T Louis Snitzer Co	7814 Ivanhoe Ave, La Jolla, Cal	GL4-2191
Cal	T Louis Snitzer Co	510 S. Mathilda Ave, Sunnyvale, Cal	RE6-6733
Colo	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	JA3-9299
Conn	The Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Del	Brimberg Associates	221 Investment Blvd, Washington, DC	DI7-0990
Fla	Roy Attaway Co	711 Magnolia, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Idaho	Technical Sales	1731 First Ave, S., Seattle, Wash	PA5-9440
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
La	Packard Associates	404 Love Field Air Term, Dallas, Tex	FL7-5713
Me	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
Md	Brimberg Associates	221 Investment Blvd, Washington, DC	DI7-0990
Mass	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
Mich	J L Pierce	16666 James Couzens Hwy, Detroit, Mich	UN2-2571
Minn	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Miss	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville, Ala	JE2-2811
Mo	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	JA3-9299
Mo	Lee Mark Associates	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Mont	Technical Sales	1731 First Ave, S., Seattle, Wash	PA4-9440
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	JA3-9299
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles 19, Cal	WE8-2074
NH	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
NJ	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
NY	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
NY	The Industron Co	200 E. Genesee St, Syracuse, NY	HU7-1886
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Ohio	Thomco Electronics	Box 181, N. Dayton Sta, Dayton 4	BE3-3551
Okla	Packard Associates	404 Love Field Air Term, Dallas, Tex	FL7-5713
Ore	Technical Sales	1731 First Ave, S., Seattle, Wash	PA5-9440
Pa	Industron Co., The	Western Savings Fund Bldg, Philadelphia 7, Pa	
RI	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
SC	Jake Rudisill Associates	1313 Myrtle Ave, Charlotte 3, NC	
Tenn	Jake Rudisill Associates	1313 Myrtle Ave, Charlotte 3, NC	
Tex	Packard Associates	404 Love Field Air Term, Dallas 35	FL7-5713
Utah	Lowell Smith	122 Social Hall, Salt Lake City, Utah	
Vt	Industron Co., The	300 Northern Blvd, Great Neck, NY	HU7-2620-1
Va	Brimberg Associates	221 Investment Blvd, Washington, DC	DI7-0990
Wash	Technical Sales	1731 First Ave, S., Seattle, Wash	PA5-9440
W. Va	Brimberg Associates	221 Investment Blvd, Washington, DC	DI7-0990
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Wyo	Lowell Smith	122 Social Hall, Salt Lake City, Utah	
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario	
	BEKEY ELECTRIC DIV GENISCO INC	**2245 Federal Ave, Los Angeles 64, Cal**	**GR8-1276**
Ariz	Richard M Mays	Box 3344, El Paso, Tex	LY8-2982
Colo	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Conn	Test Equipment Sales Co	26-49 Northern Blvd, Long Island City, NY	ST4-7120
Del	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
DC	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Idaho	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Assoc	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Kan	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Me	Test Equipment Sales Co	26-49 Northern Blvd, Long Island City, NY	ST4-7120
Md	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Mass	Test Equipment Sales Co	26-49 Northern Blvd, Long Island City, NY	ST4-7120
Mo	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Neb	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
NH	Test Equipment Sales Co	29-46 Northern Blvd, L I City, NY	ST4-7120
NJ	Test Equipment Sales Co	4447 N. Bodine St, Phila 40, Pa	DA9-1822
NM	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
NY	Test Equipment Sales Co	29-46 Northern Blvd, L I City, NY	ST4-7120
Okla	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Ore	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Pa	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
RI	Test Equipment Sales Co	29-46 Northern Blvd, Long Island City 1	ST4-7120
Tex	Kemco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Tex	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
Utah	Kemco Inc	6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Vt	Test Equipment Sales Co	29-46 Northern Blvd, L I City, NY	ST4-7120
Va	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Wash	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
	BELDEN MFG CO	**415 S. Kilpatrick, Chicago, Ill**	**ES8-1000**
	BELFAB CORP	**9 Hobson Ave, Hamden, Conn**	**AT8-3581**
Cal	M B Hansten Co	841 E. Grinell Dr, Burbank, Cal	VI9-5934
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-0325
	BEL FUSE INC	**198 Van Vorst St, Jersey City, NJ**	**HE2-0463**
	BELL AIRCRAFT CORP	**Box 1, Buffalo 5, NY**	**BU5-7851**
	BELL INC., F W	**1356 Norton Ave, Columbus 12, Ohio**	**AX4-4906**
Ariz	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
Cal	Bill Kolans & Co	219 California Dr, Burlingame Cal	
Colo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
Conn	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
Idaho	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
Iowa	R Edward Steinn Inc	5681 W. Lake St, Chicago Ill	
Ky	R Edward Steinn Inc	5681 W. Lake St, Chicago, Ill	
Me	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
Mass	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
Minn	R Edward Steinn Inc	123 S. 3rd St, Minneapolis, Minn	
Mo	R Edward Steinn Inc	5681 W. Lake St, Chicago, Ill	
Mont	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
NH	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
NJ	P Saffier Associates Inc	157 W. 57th St New York, NY	
NM	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
NY	P Saffier Associates Inc	157 W. 57th St, New York, NY	
Ore	Seatronics Inc	1806 Bush Pl, Seattle, Wash	
RI	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
Utah	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	
Vt	Saul Cohen	P.O. Box 59, Newton Centre, Mass	
Wash	Seatronics Inc	1806 Bush Pl, Seattle, Wash	
Wisc	R Edward Steinn Inc	5681 W. Lake St, Chicago, Ill	
Wyo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley Colo	
Foreign	Joseph Plasencia Inc	401 Broadway, New York, NY	
	BELL & GOSSETT CO	**8202 N. Austin Ave, Morton Grove, Ill**	**OR3-3700**
	BELL & HOWELL CO	**7100 McCormick Rd, Chicago 45, Ill**	
	BELL SOUND DIV TRW INC	**555 Marion Rd, Columbus, Ohio**	**HI3-7675**
Ala	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Alaska	Dale G Weber	8 S. E. Clay St, Portland 14, Ore	BE4-7671
Ariz	William E Bassett	12045 Magnolia, N. Hollywood, Cal	TR7-7129
Ark	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Cal	William E Bassett	12045 Magnolia Blvd, N. Hollywood, Cal	TR7-7129
Cal	Bill Kolans	219 California Dr, Burlingame, Cal	JU3-8363
Colo	Gordon G Moss	P.O. Box 428, Greeley, Colo	EL3-1452
Conn	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323
Del	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
DC	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
Fla	William F Hemminger	624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ga	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Hawaii	Bill Kolans	219 California Dr, Burlingame, Cal	JU3-8363
Idaho	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Ill	William S Doyle	7002 N. Western Ave, Chicago, Ill	RO1-3130
Ind	Robert O Whitesell	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	McDowell-Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
Kan	McDowell-Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
Ky	H H Seay	3850 Fairlington, Columbus 21, Ohio	HU8-9994
Ky	Robert O Whitesell	6620 E. Washington, Indianapolis, Ind	FL9-5374
La	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Me	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Md	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
Mass	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323
Minn	Mel E Foster	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Miss	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Mo	McDowell-Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
Mont	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Neb	Gordon Moss	P.O. Box 428, Greeley, Colo	EL3-1452
Neb	McDowell-Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
Nev	William E Bassett	12045 Magnolia, N. Hollywood, Cal	TR7-7129
Nev	Bill Kolans	219 California Dr, Burlingame, Cal	JU3-8363
NH	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323
NJ	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
NJ	George Fass	1050 Ocean Ave, Brooklyn 26, NY	GE4-3072
NM	Gordon Moss	P.O. Box 428, Greeley, Colo	EL3-1452
NY	George Fass	1050 Ocean Ave, Brooklyn 26, NY	GE4-3072
NY	R W Mitscher Co	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NC	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
ND	Mel E Foster	2402 Hennepin, Minneapolis, Minn	FR4-2612
Ohio	H H Seay	3850 Fairlington, Columbus 21, Ohio	HU8-9994
Okla	W R Hays	3416 Rosedale, Dallas, Tex	LA1-1216
Ore	Dale Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Pa	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
Pa	H H Seay	3850 Fairlington, Columbus, Ohio	HU8-9994
Pa	Mitscher Co	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
RI	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323
SC	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
SD	Mel E Foster	2402 Hennepin, Minneapolis, Minn	FR4-2612
Tenn	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	BR5-1914
Tex	W R Hays	3416 Rosedale, Dallas, Tex	LA1-1216
Tex	Gordon G Moss	P.O. Box 428, Greeley, Colo	EL3-1452
Utah	Gordon G Moss	P.O. Box 428, Greeley, Colo	EL3-1452
Vt	Voll Hetherington	97 Bogle St, Weston, Mass	CE5-5323
Va	Hal Kellar	653 Ferne Blvd, Drexel Hill, Pa	CL9-6758
Wash	Dale Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
W Va	H H Seay	3850 Fairlington, Columbus 21, Ohio	HU8-9994
Wisc	Mel Foster	2402 Hennepin, Minneapolis, Minn	FR4-2612
Wisc	William Doyle	7002 N. Western, Chicago, Ill	ROI-3130
Wyo	Gordon G Moss	P.O. Box 428, Greeley, Colo	EL3-1452
	BELLAIRE ELECTRONICS INC	**62 White St, Red Bank, NJ**	**SH1-8383**
	BELLANDI CO., INC M	**7508 W. Grand Ave, Elmwood Park, Ill**	**GL6-5950-1**
Ill	Jack Douglas-Nick Del Re	7508 W. Grand Ave, Elmwood Park 35, Ill	GL6-5950-1
	BELLEVILLE-HEXEM CORP	**638 University Ave, Los Gatos, Cal**	**EL4-1379**
	BELMAR WHEEL & MACHINE CO	**1707 F St, Belmar, NJ**	**MU1-1616**
	BELMONT SMELTING & REFINING WORKS	**332 Belmont Ave, Brooklyn 7, NY**	**DI2-4900**
	BELOCK INSTRUMENT CORP	**112-03 14th Ave, College Point, NY**	**HI5-4200**
DC	Belock Instrument Corp	18th & M St, N.W., Wash 6, DC	EX3-7330
	BELTONE HEARING AID CO	**2900 W. 36th St, Chicago 32, Ill**	**CL4-9100**
	BEL-TRONICS CORP	**Industrial Ave, Addison, Ill**	**KI3-7778**
	BEMCO INC	**11631 Vanowen St, North Hollywood, Cal**	**TR7-5339**
Kan	Remco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Tex	Remco Inc	1618 W. Sixth St, Irving, Tex	FL1-5900
Tex	R A Mayes Co	7804 Bois D'Arc, El Paso, Tex	LY8-2982
Wash	Remco Inc	321 E. 45th St, Seattle 5, Wash	ME3-5858
	BEMIS BRO BAG CO	**111 N. 4th St, P.O. Box 70, St. Louis 2, Mo**	**CH1-0900**
Ala	J A Kerr	P.O. Box 1110, Mobile 5, Ala	HE2-8731
Ariz	R G Diard	2202 W. McDowell Rd, Phoenix, Ariz	AL2-2222
Cal	L L Conrad Jr	920 E. Pacific Coast Hwy, Wilmington	TE5-3111
Cal	A H Silvernail	1000 Sansome St, San Francisco, Cal	GA1-2383
Colo	B J Schultz	425 Guaranty Bank Bldg, Denver 2, Colo	TA5-6348
Idaho	L P Sempek	715 N. Eastern Ave, Idaho Falls, Idaho	JA3-0546
Ill	W F Mulvaney	110 N. Wacker Dr, Chicago 6, Ill	FL6-6633
Ind	D A Clarke	1940 Barthe Ave, Indianapolis 7, Ind	ST4-2411
Kan	W A Saunders	13th & Wabash, Wichita 14, Kan	HO4-4321
La	A L Meyer	330 Notre Dame St, New Orleans 12, La	TU8361
Md	Stewart Eckers	312-A Wyndhurst Ave, Baltimore 10, Md	ID5-3900
Mass	A Locke	40 Central St, Boston 9, Mass	LA3-3010
Mich	D E Prim	12736 Fenkell, Detroit 27, Mich	UN3-7074
Minn	W H Dillon	604 S. 4th St, Minneapolis 15, Minn	FE8-8831
Mo	R B Windhorst	600 S. 4th St, St. Louis 2, Mo	MA1-5070
Neb	S D Robey	618 S. 11 St, Omaha 8, Neb	AT2711
NY	J B Goolsby	Suite 1320, 60 E. 42nd St, New York 17, NY	MU7-8840
NC	E P Fuller	Box 9145, Plaza Sta, Charlotte 5	ED2-1780
Okla	J W Monson	502 Commerce Exch Bldg, Oklahoma City	CE2-1348
Tenn	U A Tull	1975 Latham St, Memphis, Tenn	WH8-5591
Tex	L W Chenault	2002 Lyons Ave, Houston 10, Tex	CA5-1621
Utah	W H Swanson	1101 Walker Bank Bldg, Salt Lake City 1, Utah	
Va	R W Lahey Jr	1037 W. 26th St, Norfolk 17, Va	MA2-6643
Wash	J D Richards	65 Atlantic St, Seattle 4, Wash	MA3-0660
	BENCO TELEVISION ASSOC LTD	**27 Taber Rd, Rexdale, Ontario, Canada**	**CH4-4296**
Cal	Logan Sales Co	150 Eighth St, San Francisco 3, Cal	HE1-0692
Cal	Ash M Wood Co	P.O. Box 1158, Arcadia, Cal	CU3-1201
Colo	McLoyd & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Tex	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	DU2-6017
Wash	Paramount Agencies	9210 N.W. 28th Ave, Seattle 7, Wash	SU4-6447
Canada	Les Farey	337 Barmond Ave, Richmond, BC, Canada	BR7-4901
Canada	Harold Sharkey	4252 Braille Ave, Montreal, Quebec, Canada	
	BENDIX AVIATION CORP BENDIX RADIO DIV	**Baltimore 4, Md**	**VA3-2200**
Cal	Bendix Radio Div	10500 Magnolia Blvd, N. Hollywood, Cal	PO1-6159
Colo	Lee M Singer	101 Barnes St, Colorado Springs, Colo	ME5-2539
Md	E A King	E. Joppa Rd, Baltimore 4, Md	VA3-2200
Mich	V C Judd	24616 Michigan Ave, Dearborn, Mich	CR8-5050
NJ	Bret B Castle	43 W. Front St, Red Bank, NJ	SH7-0437
NY	Robert E Burns	316 W. Embargo St, Rome, NY	RO3370
Ohio	Donald N Priddy	1900 Hulman Bldg, Dayton 2, Ohio	BA6-2341
Pa	Verner E Gooderham	536 Atterbury Rd, Villanova, Pa	MU8-1151
Wash	Henry L Woodson	1701 K St, N.W., Washington 6, DC	RE7-3118
	BENDIX AVIATION CORP CINCINNATI DIV	**3130 Wasson Rd, Cincinnati 8, Ohio**	
	BENDIX AVIATION CORP, COMPUTER DIV	**5630 Arbor Vitae St, Los Angeles 45, Cal**	**SP6-2220**
Ala	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Alaska	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Ariz	George J Vosatka	291 S. La Cienega Blvd, Beverly Hills, Cal	OL5-9610
Ark	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Cal	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Colo	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Conn	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Del	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
DC	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Fla	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Ga	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Hawaii	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Idaho	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Ill	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Ind	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Iowa	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Kan	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Ky	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
La	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Me	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Md	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Mass	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Mich	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Minn	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Miss	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Mo	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Mont	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Neb	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Nev	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
NH	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
NJ	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
NM	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
NY	Robert P Fopeano	205 E. 42nd St, New York 17, NY	OR9-6990
NC	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
ND	Robert C Whiting	919 N. Michigan Ave, Chicago 11, Ill	MI2-6692
Ohio	Robert C Whiting	919 N. Michigan Ave, Chicago 11, Ill	MI2-6692
Okla	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Ore	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Pa	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
RI	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
SC	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
SD	Robert C Whiting	919 N. Michigan Ave, Chicago 11, Ill	MI2-6692
Tenn	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Tex	Richard F Walz	1511 Bryan St, Dallas 1, Tex	RI7-8805
Utah	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Vt	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Va	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Wash	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
W. Va	Robert A Sweet	1000 Connecticut Ave, N.W., Wash, DC	ST3-0311
Wisc	Robert C Whiting	919 N. Michigan Blvd, Chicago 11, Ill	MI2-6692
Wyo	George J Vosatka	291 S. LaCienega Blvd, Beverly Hills, Cal	OL5-9610
Foreign	Bendix International Div	205 E. 42nd St, New York 17, NY	MU3-1100
	BENDIX AVIATION CORP MONTROSE DIV	**S. Montrose, Pa**	**MO570**
Cal	Bendix West Coast	117 E. Providencia Ave. Burbank. Cal	
Canada	Aviation Electric Limited	200 Laurentien Blvd, Montreal, Quebec, Canada	
	BENDIX AVIATION CORP SEMI-COND PRODS, RED BANK DIV	**201 Westwood Ave, Long Branch, NJ**	**CA2-6220**
Ariz	Bendix West Coast Sales	117 Providencia Ave, Burbank, Cal	VI9-3961
Cal	Bendix West Coast Sales	117 Providencia Ave, Burbank, Cal	VI9-3961
Conn	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Ill	Bendix Semiconductor Products	2N565 York Rd, Elmhurst, Ill	BR9-5050
Ind	Bendix Semiconductor Products	2N565 York Rd, Elmhurst, Ill	BR9-5050
Me	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Mass	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Mich	Bendix Semiconductor Products	2N565 York Rd, Elmhurst, Ill	BR9-5050
Nev	Bendix West Coast Sales	117 Providencia Ave, Burbank, Cal	VI9-3961
NH	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Ohio	Bendix Semiconductor Products	2N565 York Rd, Elmhurst, Ill	BR9-5050
RI	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Utah	Bendix West Coast Sales	117 Providencia Ave, Burbank, Cal	VI9-3961
Vt	Bendix Semiconductor Products	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Foreign	Bendix International	205 E. 42 St, New York 17, NY	MU3-1100
Canada	Computing Dev of Canada Ltd	P.O. Box 508, Ottawa 4, Ontario	TA8-2711
Colo	Process Equipment Co	2548 W. 29th Ave, Denver 11, Colo	GL5-4766
DC	Bendix Aviation Corp	1701 "K" St, N.W., Wash 6, DC	RE7-3118
Ind	Ray Welch Co	6346 Columbia, Hammond, Ind	WE2-4474
NY	Bendix Aviation Corp	30 Rockefeller Plaza, New York 20, NY	CI6-5900
Ohio	Bendix Aviation Corp	1900 Hulman Bldg, Dayton 2, Ohio	BA6-2341
Okla	S A Halpine & Son Inc	310 W. Easton, Tulsa 17, Okla	GI7-3488
	BENDIX AVIATION CORP YORK DIV	**York, Pa**	**47-1951**
	BENDIX-PACIFIC DIV BENDIX AVIATION	**11600 Sherman Way, N. Hollywood, Cal**	**POS-1010**
	BENNETT LABORATORIES, INC	**4224 Holden St, Emeryville 8, Cal**	**OL5-9446**
Ala	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Ariz	Jon Norbert	P.O. Box 1324, Tucson, Ariz	EA5-8581
Ark	Macrae Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Cal	Connelly Sales Co	14529 Manecita Dr, LaMirada, Cal	RA3-8611
Cal	William Logan Associates	254 12th St, San Francisco, Cal	PL6-0992
Cal	George R Magnes Co	44 Berry St, San Francisco 7, Cal	EX7-5663
Colo	Koether-Cox	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Conn	Paul W Nief	15 Oak St, Westport, Conn	
Del	Brendan C O'Hara	5040 City Line Ave, Philadelphia 31, Pa	GR3-33654
DC	Brendan C O'Hara	5040 City Line Ave, Philadelphia 31, Pa	GR3-33654
Ga	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Idaho	Samuel N Stourm Co	Box 1339 Bwy Sta, Seattle, Wash	EA3-6117
Ill	William Doyle Co	7002 N. Western Ave, Chicago, Ill	
Ind	Bilray Organization	3615 Brownsboro Rd, Louisville, Ky	TW5-6369
Iowa	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Kan	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Ky	Bilray Organization	3615 Brownsboro Rd, Louisville, Ky	TW5-6369
La	Macrae Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Me	Paul W Nief	15 Oak St, Westport, Conn	
Md	Brendan C O'Hara	5040 City Line Ave, Philadelphia, Pa	GR3-33654
Mass	Paul W Nief	15 Oak St, Westport, Conn	
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	Cartwright And Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Mo	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Neb	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
NH	Paul W Nief	15 Oak St, Westport, Conn	
NM	Jon Norbert	P.O. Box 1324, Tucson, Ariz	
NY	Steve Fisher	800 Greenwood Ave, Brooklyn 18, NY	CH2-5825
NC	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
ND	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Macrae Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Ore	Samuel N Stourm Co	P.O. Box 1339 Broadway Sta, Seattle 22, Wash	
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
SC	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
SD	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Tenn	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Tex	Macrae Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Vt	Paul W Nief	15 Oak St, Westport, Conn	
Va	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Wash	Samuel N Stourm Co	P.O. Box 1339 Broadway Sta, Seattle 22, Wash	
W.Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	William Doyle Co	7002 N. Western Ave, Chicago, Ill	
	BENNETT MFG CO	**Alden, NY**	
	BENSON-LEHNER CORP	**1860 Franklin, Santa Monica, Cal**	**EX3-9921**
Ala	Benson-Lehner Corp	919 18th St, N.W. Washington 6, DC	EX3-6656
Conn	Benson-Lehner Corp	919 18th St, N.W. Washington 6, DC	EX3-6656
Del	Benson-Lehner Corp	919 18th St, N.W. Washington 6, DC	EX3-6656
DC	Benson-Lehner Corp	919 18th St, N.W. Washington 6, DC	EX3-6656
Fla	Benson-Lehner Corp	919 18th St, N.W. Washington 6, DC	EX3-6656
Ga	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Idaho	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
Ill	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Ind	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Iowa	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Ky	Benson-Lehner Corp	37-35 Park Ave, Dayton 19, Ohio	AX8-2722
Me	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Md	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Mass	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Mich	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Minn	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Miss	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Mont	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
Nev	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
NH	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
NJ	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
NY	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
NC	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
ND	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Ohio	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Ore	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
Pa	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
RI	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
SC	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
SD	Benson-Lehner Corp	37-53 Park Ave, Dayton 19, Ohio	AX8-2722
Tenn	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Utah	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
Vt	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Va	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Wash	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
W. Va	Benson-Lehner Corp	919-18th St, N.W. Washington 6, DC	EX3-6656
Wisc	Benson-Lehner Corp	37-53 Park Ave, Dayton, Ohio	AX8-2722
Wyo	Benson-Lehner Corp	300 S. Murphy St, Sunnyvale, Cal	RE9-5611
Canada	Computing Dev of Canada Ltd	P.O. Box 508, Ottowa 4, Ontario, Can	TA8-2711
Foreign	Benson-France	1 rue Georges Wendel, Seine, France	TR09-59
Foreign	Benson-Lehner (G B) Ltd	W. Quay Rd, Southampton, England	SO2-7831
	BENTLEY-HARRIS MFG CO	**Conshohocken 13, Pa**	**TA8-7600**
Ala	Brownell Distributors	690 Murphy Ave, S. W., Atlanta, Ga	
Ariz	Western Fibrous Glass Products Co	4423 Fruitland Ave, Los Angeles 58, Cal	
Cal	Western Fibrous Glass Products Co	4423 Fruitland Ave, Los Angeles 58, Cal	
Cal	C D Lakoree	2433 Birkdale St, Los Angeles 31, Cal	
Colo	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
Conn	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
Del	Electrical Maintenance Equipment Co	915 N. Broad St, Philadelphia, Pa	
Fla	Brownell Distributors	690 Murphy Ave, S.W., Atlanta, Ga	
Ga	Brownell Distributors	690 Murphy Ave, S.W., Atlanta, Ga	
Idaho	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
Ill	H G Pretat Inc	4 N. Cicero Ave, Chicago, Ill	
Ill	A O Woerner & Sons	4030 Chouteau Ave, St. Louis 10, Mo	
Ind	H G Pretat Inc	2511 Drexel Ave, Ft. Wayne, Ind	
Iowa	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	
Kan	Bossert Co	17th & Main Sts, Kansas City 8, Mo	
Ky	Gallagher Co	15 Ritchie Ave, Cincinnati 15, Ohio	
Me	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
Md	Electric Motor Supply Co	356 N. Gay St, Baltimore 2, Md	
Mass	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
Mich	Gallagher Co	320 William Rd, Rochester, Mich	
Minn	E R Benson Co	2651 University Ave, St. Paul 14, Minn	
Miss	Brownell Distributors	690 Murphy Ave, S.W., Atlanta, Ga	
Mo	A O Woerner & Sons	4030 Chouteau Ave, St. Louis 10, Mo	
Mo	Bossert Co	17th & Main Sts, Kansas City 8, Mo	
Mont	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
Nev	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
NH	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
NJ	Smith Co	15 Northfield Ave, W. Orange, NJ	
NJ	Electrical Maintenance Equipment Co	915 N. Broad St, Philadelphia, Pa	
NM	Western Fibrous Glass Products Co	4423 Fruitland Ave, Los Angeles 58, Cal	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	T J Crofton Associates	30 Rockefeller Plaza, New York 20, NY	
NY	A W Schmitz	82 St. Paul St, Rochester, NY	
NC	Brownell Distributors	690 Murphy Ave, S.W., Atlanta, Ga	
Ohio	Consumers Rubber Co	410 Lakeside Ave, N.W., Cleveland, Ohio	
Ohio	Gallagher Co	15 Ritchie Ave, Cincinnati 15, Ohio	
Okla	John A Green Co	2714 S. Lewis, Tulsa 14, Okla	
Ore	Western Fibrous Glass Products Co	1611 N.W. Northrup St, Portland 9, Ore	
Pa	Electrical Maintenance Equipment Co	915 N. Broad St, Philadelphia, Pa	
Pa	Insulation Systems	4110 Penn Ave, Pittsburgh 24, Pa	
RI	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
SC	Brownell Distributors	690 Murphy Ave, S. W., Atlanta, Ga	
Tenn	Brownell Distributors	690 Murphy Ave, S.W., Atlanta, Ga	
Tex	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	
Utah	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
Vt	Stockwell Technical Sales Co	P.O. Box 118, Tolland, Conn	
Va	Electric Motor Supply Co	356 N. Gay St, Baltimore 2, Md	
Wash	Electric Motor Supply Co	356 N. Gay St, Baltimore 2, Md	
Wisc	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	
Wyo	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	
Canada	Paisley Products of Canada Ltd	36 Upton Rd, Scarborough, Ontario, Canada	
	BERG MFG CORP	**142 Reno Ave, New Cumberland, Pa**	**CE8-9395**
Ill	Robert C Graham Agency	6272 W. North Ave, Chicago 39, Ill	ME7-4700
NY	Reed-Tolleffson Corp	2815 Monroe Ave, Rochester 18	HI5-0450
	BERGEN LABS INC	**60 Spruce St, Paterson, NJ**	**AR8-3020**
Del	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
DC	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Md	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
NJ	E Nemeth Associates	261 Elm St, E. Paterson, NJ	SW7-7500
NY	E Nemeth Associates	261 Elm St, E. Paterson, NJ	SW7-7500
Pa	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Va	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
	BERGEN WIRE ROPE CO	**456 Gregg St, Lodi, NJ**	**HU7-3521**
Ala	Emmett Rushin	Box 486, Roswell, Ga	CE7-2971
Ariz	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
Cal	G & R Engineering Inc	1566 E. Slauson Ave, Los Angeles 1, Cal	TO9-3086
Colo	Wilco Inc	228 S. Wichita, Wichita 2, Kan	AM5-5648
Conn	Herbert C Bowman	Oxford Rd, Goshen, NY	AX4-6805
Del	Blakeslee J K	8742 Stockwell Rd, Baltimore 14, Md	MU5-7700
DC	Blakeslee J K	8742 Stockwell Rd, Baltimore 14, Md	MU5-7700
Ga	Emmett Rushin	Box 486, Roswell, Ga	CE7-2971
Idaho	Howe, Arthur	4321 Linden St, Seattle 3, Wash	ME2-4814
Ill	Broadwell James P	7810 Forsyth, St. Louis 5, Mo	PA5-8700
Ind	Phister & Riggs Inc	Temple Bar Bldg, Cincinnati 2, Ohio	GA1-3850
Kan	Wilco Inc	228 S. Wichita, Wichita 2, Kan	AM5-5648
Ky	Phister & Riggs Inc	Temple Bar Bldg, Cincinnati 2, Ohio	GA1-3850
Me	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
Md	Blakeslee J K	8742 Stockwell Rd, Baltimore 14, Md	MU5-7700
Mass	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
Mich	Upstill James A	7338 Woodward Ave, Detroit	TR3-0020
Minn	Plowright Robert D	5843 W. Division St, Chicago 51, Ill	CO1-4357
Mo	Broadwell James P	7810 Forsyth, St. Louis 5, Mo	PA5-8700
Mont	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
Nev	Herman Associates	Box 1179, Palo Alto, Ca	DA6-6033
NH	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
NJ	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
NM	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
NY	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
NY	Wares Richard	91 Woods Ave, Bergenfield, NJ	DU4-2132
Ohio	Phister & Riggs Inc	Temple Bar Bldg, Cincinnati 2, Ohio	GA1-3850
Ohio	Robert M Stife & Assoc	2754 Woodhill Rd, Cleveland 4, Ohio	SW1-3500
Okla	Wilco Inc	228 S. Wichita, Wichita 2, Kan	AM5-5648
Ore	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
Pa	Burns John B	Box 38, Bidwell Sta, Buffalo, NY	E -9711
Pa	Wares Richard	91 Woods Ave, Bergenfield, NJ	DU4-2132
RI	Bowman Herbert	Oxford Rd, Goshen, NY	AX4-6805
Tex	Waggoner-C P Sales Co., Inc	Box 1107, Grand Prairie, Tex	AN2-2678
Utah	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
Vt	Bowman Herbert C	Oxford Rd, Goshen, NY	AX4-6805
Va	Blakeslee J K	8742 Stockwell Rd, Baltimore 14, Md	MU5-7700
Wash	Herman Associates	Box 1179, Palo Alto, Cal	DA6-6033
W.Va	Blakeslee J K	8742 Stockwell Rd, Baltimore 14, Md	MU5-7700
Wyo	Herman Assoc	Box 1179, Palo Alto, Cal	DA6-6033
	BERKELEY/DYNAMICS	**P.O. Box 1098, Berlingame, Cal**	**TH3-2788**
	BERKELEY INSTRUMENT CO	**Box 346, Berkeley Heights, NJ**	
	BERKSHIRE LABORATORIES	**580 Bank Village, Greenville, NH**	**Gr11**
Cal	C H Mitchell Co	9015 Wilshire Blvd, Beverly Hills, Cal	
NJ	Michael W Stollmack	67 Dorchester Rd, Emerson, N.	CO1-2313
NY	Michael W Stollmack	67 Dorchester Rd, Emerson, NJ	CO1-2313
	BERMAN LABORATORIES	**112-03 Rockaway Blvd, Ozone Park, NY**	**VI3-1045**
	BERNCO ENGINEERING CORP	**2320 S. Tibbs Ave, Indianapolis, Ind**	**CH1-2871**
	BERYLLIUM CORP	**P.O. Box 1462, Reading, Pa**	**WA9-0781**
Cal	E Jordan Brookes Co	6601 Telegraph Rd, Los Angeles 16, Cal	RA3-8431
Ill	Beryllium Corp	205 W. Wacker Dr, Chicago 6, Ill	AN3-3353
Mass	Beryllium Corp	292 Worthington St, Springfield, Mass	RE4-7581
Mich	Beryllium Corp	5649 Van Born Ct, Dearborn 9, Mich	CR8-9300
Minn	Eiler Equipment Co	1107-09 S. 2nd St, Minneapolis, Minn	FE9-9226
NY	Beryllium Corp	475 Fifth Ave, New York, NY	MU9-5974
NC	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ohio	Beryllium Corp	333 W. First St, Dayton, Ohio	BA8-1496
Ohio	Beryllium Corp	125 W. Commerce St, Youngstown, Ohio	RI6-2214
Pa	Beryllium Corp	1617 Pennsylvania Blvd, Philadelphia, Pa	LO8-2071
	BESLER CORP	**4053 Harlan, St, Oakland 8, Cal**	**OL2-0921**
	BESTCRAFT PRODUCTS CO., INC	**626 Broadway, New York, NY**	**AL4-7920**
Cal	E Jordan Brookes Co	6601 Telegraph Rd, Los Angeles 16, Cal	RA3-8431
Ill	Beryllium Corp	205 W. Wacker Dr, Chicago 6, Ill	AN3-3353
Mass	Beryllium Corp	292 Worthington St, Springfield, Mass	RE4-7581
Mich	Beryllium Corp	5649 Van Born Ct, Dearborn 9, Mich	CR8-9300
Minn	Eiler Equipment Co	1107-09 S. 2nd St, Minneapolis, Minn	FE9-9226
NY	Beryllium Corp	475 Fifth Ave, New York, NY	MU9-5974
NC	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
	BEVA LABORATORY INC	**P. O. Box 478, Trenton, NJ**	**TU2-6847**
	BIDDLE CO., JAMES G	**1316 Arch St, Philadelphia 7, Pa**	**LO4-1620**
Alaska	Instrument Laboratory Inc	934 Elliott Ave, W., Seattle 99, Wash	AT3-5850
Ark	Earl Lipscomb & Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Cal	Adolph F Zell	12092 Foster Rd, Los Alamitos, Cal	GE0-1923
Conn	William G Long	15 Alden St, Cranford, NJ	BR6-8833
Fla	Anson Fyler Co	5804 Sunset Dr, S. Miami 43, Fla	MO6-6171
Ga	D V Scott Jr & Associates	305 Techwood Dr, N.W., Atlanta 13, Ga	JA3-0927
Idaho	Instrument Laboratory Inc	934 Elliott Ave, W., Seattle 99, Wash	AT3-5850
Ill	Robert Virkus	1 Riverside Rd, Riverside, Ill	RI7-3881
Ind	Robert Virkus	1 Riverside Rd, Riverside, Ill	RI7-3881
Iowa	C B Fall Co	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Kan	C B Fall Co	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Ky	George P Janson	25810 Tungsten Rd, Cleveland 32, Ohio	AN1-2822
La	Earl Lipscomb & Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Me	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights, Mass	HI4-9410
Mass	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights, Mass	HI4-9410
Mich	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Minn	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	LI0523
Mo	C B Fall Co	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Neb	C B Fall Co	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Nev	Adolph F Zell	12092 Foster Rd, Los Alamitos, Cal	GE0-1923
NH	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights, Mass	HI4-9410
NJ	William G Long	15 Alden St, Cranford, NJ	BR6-8833
NM	Earl Lipscomb & Associates	P.O. Box 7084, Dallas Tex	FL7-1881
NY	William G Long	15 Alden St, Cranford, NJ	BR6-8833
ND	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	LI0523
Ohio	George P Janson	25810 Tungsten Rd, Cleveland 32, Ohio	AN1-2822
Okla	Earl Lipscomb & Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Ore	Instrument Laboratory Inc	934 Elliott Ave, W., Seattle 99, Wash	AT3-5850
Pa	George P Janson	25810 Tungsten Rd, Cleveland 32, Ohio	AN1-2822
RI	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights, Mass	HI4-9410
SD	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	LI0523
Tex	Earl Lipscomb & Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Vt	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights, Mass	HI4-9410
Wash	Instrument Laboratory Inc	934 Elliott Ave, W., Seattle 99, Wash	AT3-5850
W. Va	George P Janson	25810 Tungsten Rd, Cleveland 32, Ohio	AN1-2822
Wisc	Robert Virkus	1 Riverside Rd, Riverside, Ill	RI7-3881
	BIGGS CO., INC., CARL H	**1547 14th St, Santa Monica, Cal**	**GR8-0462**
	BILL JACK SCIENTIFIC INSTRUMENT CO	**Dept EBG, 143 S. Cedros Ave, Solana Beach, Cal**	**SK5-1551**
	BILLINGS & SPENCER CO	**3 Laurel St, Hartford 1, Conn**	**JA7-5181**
	BIOPHYSICAL ELECTRONICS INC	**New Hope, Pa**	**AX7-3271**
NY	Alan Serchuk	136-04 Northern Blvd, Flushing, NY	LE9-2500
	BIO-RAD LABORATORIES	**1257 S. 32nd St, Richmond, Cal**	**BE4-4130**
	BIRD CO., RICHARD H	**1 Spruce St, Waltham, Mass**	**TW4-0160**
	BIRD ELECTRONIC CORP	**30303 Aurora Rd, Cleveland 39, Ohio**	**CH8-1200**
Cal	Van Groos Co	21051 Costanso St, Woodland Hills, Cal	DI0-3131
Foreign	Livingston Laboratories Ltd	Retcar St, London N. 19, England	
Foreign	Erik Ferner	Box 56, Bromma, Sweden	
Foreign	Machine & Products	52 Wall St, New York 5, NY	
	BIRDAIR STRUCTURES INC	**1800 Broadway, Buffalo 12, NY**	**KE5100**
	BIRDSELL MFG CO., INC	**752 San Antonio Rd, Palo Alto, Cal**	**DA1-0491**
	BIRMINGHAM SOUND REPRODUCERS LTD	**Old Hill, Staffs, England**	**CR6-9272**
NY	Discus (U S A) Inc	115-10 14th Rd, College Point, NY	IN1-3447
	BIRNBACH RADIO CO., INC	**145 Hudson St, New York 13, NY**	**WO6-5611**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Ariz	Verne Lunsley Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Ark	W R Retzloff Co	Box 1786, San Antonio 6, Tex	LE3-7839
Cal	Al J Rissi	8417 E. Las Tunas Dr, San Gabriel,	CU3-7614
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco,	UN1-6259
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, Miami,	PL1-5566
Ga	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	
Ill	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis, Mo	PA7-8559
Ind	Baatz Sales Co	5943 Shimer Ave, Indianapolis, Ind	FL6-0026
Iowa	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Kan	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis, Mo	PA7-8559
Ky	Baatz Sales Co	5943 Shimer Ave, Indianapolis, Ind	FL6-0026
La	W R Retzloff Co	Box 1786, San Antonio 6, Tex	LE3-7839
Mass	Brookdale Eng & Service Co	65 Kent St, Brookline, Mass	CA7-1515
Minn	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5,	PA7-8559
Neb	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Nev	Al J Rissi	8417 E. Las Tunas Dr, San Gabriel, Cal	CU3-7614
NC	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	
ND	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Ohio	Weller-Rahe Co	Box 212, Worthington, Ohio	TU5-7819
Okla	W R Retzloff Co	Box 1786, San Antonio 6, Tex	LE3-7839
Ore	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19,	CH6-4556
Pa	George Hautenschild	949 E. Godfrey Ave, Phila, Pa	PI4-0847
Pa	Weller-Rahe Co	Box 212, Worthington, Ohio	TU5-7819
SC	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	
SD	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tex	W R Retzloff Co	Box 1786, San Antonio 6, Tex	LE3-7839
Wash	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19,	CH6-4556
W. Va	Weller-Rahe Co	Box 212, Worthington, Ohio	TU5-7819
Wisc	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Foreign	Roburn Agencies	431-435 Greenwich St, New York 13, NY	WO6-2130
	BIRTCHER CORP	**4371 Valley Blvd, Los Angeles 32, Cal**	**CA2-9101**
Cal	M A Stolaroff Co	4622 W. Slauson Ave, Los Angeles,	AX3-6226
Cal	Win W Tompkins & Co	2363 Birch St, Palo Alto,	DA6-7940
Colo	Electronic Component Sales Inc	2149 S. Clermont, Denver 22,	SK7-1322
Ga	Lynd A Walkling	Box 3045, Atlanta 17,	DR3-8346
Ill	Harry Halinton Co	6400 N. Leola Ave, Chicago 46,	RO3-2132
Ind	Wright Engineering Co	Box 23107, Indianapolis 44,	HU8800
Md	L G White & Co	880 Bonifant St, Silver Spring,	JU5-3141
Mass	Dan Greene Organization Inc	Box 124, Cambridge	LN4-2220
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis,	FE2-5457
Mo	Heimann Co	6636 Agnes, Kansas City 30,	
NJ	R P Luce & Co., Inc	7 Beechwood Rd, Summit,	CR3-9250
NY	I A Holze Co	112 Dewitt St, Syracuse 3,	GR9-6641
NY	R P Luce & Co., Inc	1300 Jericho Trnpk, New Hyde Park,	GE7-4550
NC	L G White & Co	Box 2356, Winston-Salem, NC	WI5-3612
Ohio	Robert K Deunk & Associates	10005 Chippewa Rd, Brecksville,	JA6-4317
Pa	L G White & Co	108 Forrest Ave, Narberth,	MO4-6505
Tenn	Macrae-Smith Co	Box 35113, Dallas 35,	BL3-2006
Wash	Vince E Johnson Co	2614 E. 86th St, Seattle 15,	LA4-4595
	BISCHOF DIE & ENGRAVING	**1405 16 St, Racine, Wisc**	**ME2-7706**
	BISHOP & CO., J PLATINUM WORKS	**Malvern, Pa**	**HI4-3100**
Ala	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Ark	B M Reilly	2210 Kipling St, Houston, Tex	JA8-2790
Conn	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA9-2324
Fla	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Ga	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Ill	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Ind	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Iowa	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Kan	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Ky	F Derk	411 Hovbridge Dr, Pittsburgh 34, Pa	LO3-0882
La	B M Reilly	2210 Kipling St, Houston, Tex	JA8-2790
Me	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA9-2324
Mass	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA9-2324
Mich	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Minn	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Miss	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Mo	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Mont	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
Neb	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
NH	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA8-2790
NJ	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA8-2790
NY	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA8-2790
NC	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Ohio	F Derk	411 Hovbridge Dr, Pittsburgh 34, Pa	LO3-0882
Okla	B Reilly	2210 Kipling St, Houston, Tex	JA8-2790
Pa	F Derk	411 Hovbridge Dr, Pittsburgh 34, Pa	LO3-0882
RI	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA9-2324
SC	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Tenn	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Tex	B Reilly	2210 Kipling St, Houston, Tex	JA8-2790
Vt	L M Bailey	57 Mapleside Dr, Wethersfield, Conn	JA8-2790
W. Va	J Povey	890 Glendale Terr, N.E., Atlanta, Ga	TR5-3776
Wisc	Sweet & Curtis	116 S. Michigan Ave, Chicago, Ill	AN3-4365
	BISHOP MFG CORP	**10 Canfield Rd, Cedar Grove, NJ**	**CE9-2400**
Ala	Godfrey W Glenn Agency	3205 2nd Ave, S., Birmingham, Ala	
Ariz	Indl Engineering & Equipment Corp	2975 Wilshire Blvd, Los Angeles 5, Cal	
Ark	Jones Philbert & Co	358 Sauve Rd, New Orleans 23, La	
Cal	Indl Engineering & Equipment Co	2975 Wilshire Blvd, Los Angeles 5, Cal	
Cal	Wrathall & Krusi	681 Market St, San Francisco 5, Cal	
Conn	J F Kerrigan & Co	P.O. Box 6016, Hamden 17, Conn	
DC	Andrew H Baxter	412 Albee Bldg, Washington, DC	
Fla	Geo L Carlisle Inc	P.O. Box 1537, Eustis, Fla	
Ga	Godfrey W Glenn Agency	3205 2nd Ave, S., Birmingham, Ala	
Idaho	Jack Pruzan Co	1963 1st Ave, S., Seattle 4, Wash	
Ill	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	
Ind	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	
Iowa	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	
Kan	Fleming & Co	3021 Main St, Kansas City 8, Mo	
La	Jones Philbert & Co	358 Sauve Rd, New Orleans 23, La	
Me	Edward Marcin	P.O. Box 29, Newton Lower Falls, Mass	
Md	Andrew H Baxter	412 Albee Bldg, Washington, DC	
Mass	Edward Marcin	P.O. Box 29, Newton Lower Falls, Mass	
Mich	M F Knaus Co	3117 W. McNichols Rd, Detroit 21, Mich	
Minn	Hugo Sales Co., Inc	6012 Virginia Ave, S., Minneapolis, Minn	
Miss	Jones-Philbert & Co	358 Sauve Rd, New Orleans 23, La	
Mo	F Joe Mellerus Co	1901 Gravois Ave, St. Louis 4, Mo	
Mo	Fleming & Company	3021 Main St, Kansas City 8, Mo	
Mont	Jack Pruzan Co	1963 First Ave, S., Seattle 4, Wash	
Nev	Wrathall & Krusi Inc	681 Market St, San Francisco, Cal	
NH	Edward Marcin	Box 29, Newton Lower Falls 62, Mass	
NJ	D S MacCorkle Inc	1 Newark Ave, Hoboken, NJ	
ND	Hugo Sales Co., Inc	6012 Virginia Ave, S., Minneapolis 24, Minn	
Ohio	Public Service Supply Co., Inc	Box 2963, Cleveland 16, Ohio	
Okla	L R Ward Co	3009 Canton St, Dallas 26, Tex	
Ore	Jack Pruzan Co	1963 First Ave, S., Seattle 4, Wash	
Pa	Burns Electric Co	1750 N. Highland Rd, Pittsburgh 28, Pa	
RI	Edward Marcin	Box 29, Newton Lower Falls 62, Mass	
SD	Hugo Sales Co., Inc	6012 Virginia Ave, S., Minneapolis 24, Minn	
Tenn	Jones-Philbert & Co	358 Sauve Rd, New Orleans 23, La	
Tex	L R Ward Co	3009 Canton St, Dallas 26, Tex	
Vt	Edward Marcin	Box 29, Newton Lower Falls 62, Mass	
Va	R W Kraft	1921 Langdon Rd, S.W., Roanoke, Va	
Wash	Jack Pruzan Co	1963 First Ave, S., Seattle 4, Wash	
W. Va	Burns Electric Co	1750 N. Highland Rd, Pittsburgh 28, Pa	
W. Va	R W Kraft	1921 Langdon Rd, S.W., Roanoke, Va	
Wisc	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	
	BITTERMAN ELECTRIC CO., INC	**Box 1877, Canaan, Conn**	**TA4-7345**
	BIWAX CORP	**3445 Howard St, Skokie, Ill**	**OR3-1050**
Mich	J C Sales Co	215 W. 1st St, Flint, Mich	
Minn	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis 3, Minn	
	BLACKBURN ELECTRONIC CORP	**55 W. 7th St, Wyoming, Pa**	**WY1190**
Ariz	Web Electronics	Box 187, West Chester Sta, L A 45, Cal	OR8-0151
Cal	Web Electronics	Box 187, West Chester Sta, L A 45, Cal	OR8-0151
Colo	Web Electronics	Box 187, West Chester Sta, L A 45, Cal	OR8-0151
Conn	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Del	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
DC	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
Idaho	Web Electronics	Box 187, West Chester Sta, L A 45, Cal	OR8-0151
Ind	Technical Sales Assoc	Talbott Tower, Dayton, Ohio	BA4-5302

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ky	Technical Sales Assoc	Talbott Tower, Dayton, Ohio	BA4-5302
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Md	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Mont	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
Nev	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
NJ	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
NJ	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
NM	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
NY	J V Costello	639 S. Warren St, Syracuse, NY	HA2-0532
NC	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
Ohio	Technical Sales Assoc	Talbott Tower, Dayton, Ohio	BA4-5302
Ore	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
Pa	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Utah	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Va	W H Cordray Sales Co	18 W. Chelten Ave, Philadelphia 44, Pa	VI8-0447
Wash	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
Wyo	Web Electronics	Box 187, West Chester Sta, L A, Cal	OR8-0151
	BLACKBURN INC., P W	**67 Main St, Dobbs Ferry, NY**	**OW3-2620**
	BLACKHAWK ENGINEERING CO	**P.O. Box 146, Janesville, Wisc**	**PL2-6826**
Ariz	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Ill	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Ind	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Iowa	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Mich	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Wisc	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
	BLACKLIGHT CORP OF AMERICA	**5112 Walnut Grove Ave, San Gabriel, Cal**	**CU3-3193**
	BLACK LIGHT EASTERN CORP	**201-04 Northern Blvd, Bayside, NY**	**FA1-0909**
	BLACKSTONE CORP	**1111 Allen St, Jamestown, NY**	**S-1121**
Ala	Geo F Bohman	1239 New Castle Dr, Orlanda, Fla	GA4-2076
Cal	H J Fouts	6253 Hollywood Blvd, Los Angeles 28	HO4-6511
Colo	Centennial Equipment Co	P.O. Box 664, Littleton, Colo	PY4-5588
Conn	R M Jones Agency, The	40 Mountain Rd, West Hartford, Conn	JA3-4576
Del	Kellogg Appliances	18 W. Chelton Ave, Phila 44, Pa	GE8-2171
DC	Ten Eyck Associates	1624 Eye St, N.W., Washington 6, DC	ST3-3453
Fla	Geo F Bohman	1239 New Castle Dr, Orlanda, Fla	GA4-2076
Ga	Geo F Bohman	1239 New Castle Dr, Orlanda, Fla	GA4-2076
Ill	R Heydenburg	P.O. Box 293, La Grange, Ill	FL2-1872
Kan	Barr McDermott	4407 S. Peoria, Tulsa, Okla	RI3-3628
Me	R M Jones Agency, The	40 Mountain Rd, West Hartford, Conn	JA3-4576
Md	Kellogg Appliances Co	18 W. Chelton Ave, Phila 44, Pa	GE8-2171
Mass	R M Jones Agency	40 Mountain Rd, West Hartford, Conn	JA3-4576
Mich	Modern Machinery Sales Co	19429 W. McNichols, Detroit 19, Mich	KE5-3313
Minn	R Heydenburg	P.O. Box 293, La Grange, Ill	FL2-1872
Mo	Barr McDermott	4407 S. Peoria, Tulsa, Okla	RI3-3628
NH	R M Jones Agency, The	40 Mountain Rd, West Hartford, Conn	JA3-4576
NJ	Scientific Systems Sales Corp	P.O. Box 3, Bayside 61, NY	BA50-929
NM	Centennial Equipment Co	P.O. Box 664, Littleton, Colo	PY4-5588
NY	Scientific Systems Sales Corp	P.O. Box 3, Bayside 61, NY	BA50-929
NC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Ohio	Fostoria Industrial Service Corp	4500 Euclid Ave, Cleveland 3, Ohio	EN1-6522
Ohio	The Zahniser Co	629 Garrett Dr, Columbus 14, Ohio	AX4-3739
RI	R M Jones Agency, The	40 Mountain Rd, West Hartford, Conn	JA3-4576
Okla	Barr McDermott	4407 S. Peoria, Tulsa, Okla	RI3-3628
SC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Tenn	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Utah	Centennial Equipment Co	P.O. Box 664, Littleton, Colo	PY4-5588
Vt	R M Jones Agency, The	40 Mountain Rd, West Hartford, Conn	JA3-4576
Va	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Wisc	R Heydenburg	P.O. Box 293, La Grange, Ill	FL2-1872
Wyo	Centennial Equipment Co	P.O. Box 664, Littleton, Colo	PY4-5588
	BLACK & WEBSTER INC	**570 Pleasant St, Watertown, Mass**	**WA6-0100**
Ala	Bud Watts Machinery Co., Inc	Box 5435, Memphis, Tenn	WH2-2497
Ariz	Hundley Co	3282 Fletcher Dr, Los Angeles, Cal	CL5-7111
Cal	Harry M Smith & Associates	1341 Old County Rd, Belmont, Cal	LY3-7869
Cal	Hundley Co	3282 Fletcher Dr, Los Angeles, Cal	CL5-7111
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver, Colo	DU8-4643
Conn	Machine Tool Sales	Box 434, Avon, Conn	OR7-1621
Del	Riley & Aleshire	615 Greenwood Ave, Jenkintown, Pa	TU4-1709
DC	David M Warren	530 Culpeper St, Warrenton, Va	
Fla	Lafayette Tool & Supply Co	3355 N.W. 27th Ave, Miami, Fla	NE4-7604
Fla	Wm A Leavell Jr	Box 841, Bradenton, Fla	
Ga	Scott Machine Tool Co	411 Williams St, N.W., Atlanta, Ga	JA5-8311
Idaho	Joseph F Taraba Co	1824 S.E. 50th Ave, Portland, Ore	BE4-6491
Ill	McClean Machinery Co	549 W. Washington Blvd, Chicago, Ill	ST2-7793
Ill	Rudie Lorenz Co	9500 Gravois Ave, St. Louis, Mo	TA1-4119
Ind	Edgar G Ritchie	Box 5167, Cherokee Sta, Louisville, Ky	WA5454
Ind	Henry J Morath	138 N. Pennsylvania St, Indianapolis	ME5-4082
Iowa	Rudie Lorenz Co	9500 Gravois Ave, St. Louis, Mo	TA1-4119
Kan	Rudie Lorenz Co	9500 Gravois Ave, St. Louis, Mo	TA1-4119
Ky	Edgar G Ritchie	Box 5167, Cherokee Sta, Louisville, Ky	WA5454
Me	Albert W Chester	Box 44, Lexington, Mass	VO2-2636
Md	David M Warren	530 Culpeper St, Warrenton, Va	
Mass	Albert W Chester	Box 44, Lexington, Mass	VO2-2636
Mass	Robert T Lee	Manchester, Vt	
Mich	W B Conrad Co	13438 Fenkell Ave, Detroit, Mich	BR3-4050
Minn	O A Kravik Co	124 Cedar St, White Bear Lake, Minn	MI5-5831
Miss	Bud Watts Machinery Co	Box 5435, Memphis, Tenn	WH2-2497
Mo	Rudie Lorenz	9500 Gravois Ave, St. Louis, Mo	TA1-4119
Mont	Joseph F Taraba Co	1824 S.E. 50th Ave, Portland, Ore	BE4-6491
Neb	Rudie Lorenz	9500 Gravois Ave, St. Louis, Mo	TA1-4119
Nev	Hundley Co	3282 Fletcher Dr, Los Angeles, Cal	CL5-7111
NH	Albert W Chester	Box 44, Lexington, Mass	VO2-2636
NJ	Riley & Aleshire	615 Greenwood Ave, Jenkintown, Pa	TU4-1709
NJ	Val Dodd	Box 222, Orange, NJ	HU3-2100
NM	Fred A Pease Co	4921 E. 38th Ave, Denver, Colo	DU8-4643
NY	Long Island Machinery Sales Corp	568 W. Hoffman Ave, Lindenhurst, NY	TU4-3070
NC	Price Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
Ohio	Cleveland Duplex	14525 Detroit Ave, Lakewood, Ohio	BO2-4740
Ohio	W V Goodson Co	1118 Madison Ave, Toledo, Ohio	CH6-1531
Ohio	Henry M Wood Co	920 E. McMillan St, Cincinnati, Ohio	AV1-1136
Okla	Marshall Supply & Equipment Co	920 E. Archer, Tulsa, Okla	
Ore	Joseph F Taraba Co	1824 S.E. 50th Ave, Portland, Ore	BE4-6491
Pa	Riley & Aleshire	615 Greenwood Ave, Jenkintown, Pa	TU4-1709
Pa	T S Higbee	1007 McCartney St, Pittsburgh, Pa	WA1-5171
RI	Albert W Chester	Box 44, Lexington, Mass	VO2-2636
SC	Price Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
SD	O A Kravik Co	124 Cedar St, White Bear Lake, Minn	MI5-5831
Tenn	Bud Watts Machinery Co	Box 5435, Memphis, Tenn	WH2-2497
Tex	Southwestern Controls	4716 Elgin St, Houston, Tex	
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver, Colo	DU8-4643
Vt	Robert T Lee	Manchester, Vt	
Va	David M Warren	530 Culpeper St, Warrenton, Va	
Wash	Joseph F Taraba Co	1016 1st Ave, S., Seattle, Wash	EL5006
W. Va	T S Higbee	1007 McCartney, Pittsburgh, Pa	WA1-5171
Wisc	Wakefield-Kraftroff	3709 W. Fond Du Lac Ave, Milwaukee	JP7-3381
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver, Colo	DU8-4643
Canada	J H Ryder Machinery Co	360 Evans Ave, Toronto, Canada	CL9-7841
	BLACO MFG CO	**6541 Euclid Ave, Cleveland 3, Ohio**	**EX1-0497**
	BLAINE ELECTRONETICS INC	**14757 Keswick St, Van Nuys, Cal**	**ST2-6303**
	BLAW-KNOX CO	**300 Sixth Ave, Pittsburgh 27, Pa**	**EX1-1244**
	BLILEY ELECTRIC CO	**200 Union Sta Bldg, Erie, Pa**	**GL6-7561**
Alaska	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA5512
Ariz	Herb Becker Co., Inc	1140 Crenshaw Blvd, L A 19, Cal	WE1-1257
Ark	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Cal	Herb Becker Co., Inc	1140 Crenshaw Blvd, L A 19, Cal	WE1-1257
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Del	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
DC	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Idaho	Dave M Lee Co	2517 2nd Ave, Seattle, Wash	MA5512
Ill	Hill-Gray & Co	41-1/2 Harrison St, Oak Park, Ill	EU3-0373
Ill	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Ind	Wm E McFadden	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Iowa	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Ky	Wm E McFadden	150 E. Broad St, Columbus 15, Ohio	CA1-3363
La	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Me	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Md	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	
Mass	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Minn	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Mont	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA5512
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Nev	Herb Becker Co., Inc	1140 Crenshaw Blvd, L A 19, Cal	WE1-1257
NH	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
NJ	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NM	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	WE6-3456
NY	R W Mitscher Inc	Ellicott Square Bldg, Buffalo 3, NY	WA2517
NY	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
ND	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Ohio	Wm E McFadden	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Ore	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA5512
Pa	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
Pa	Tanner & Covert	300 Mt Lebanon Blvd, Pittsburgh 34, Pa	LO1-5067
RI	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
SD	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Tex	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Wash	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA5512
W. Va	Tanner & Covert	300 Mt Lebanon Blvd, Pittsburgh 34, Pa	LO1-5067
Wisc	Hill-Gray & Co	41-1/2 Harrison St, Oak Park, Ill	EU3-0373
Wyo	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	C H Robinson Co	1550 Erin St, Winnipeg, Manitoba, Canada	SP4-1655
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750
Foreign	Frazar & Hansen Ltd	301 Cody St, San Francisco 11, Cal	
	BLINN CO., DELBERT	**Box 757, Pomona, Cal**	**NA9-3900**
	BLISS ELECTRONIC CORP	**Box 366, Sussex, NJ**	**SU2-3000**
	BLOCKSOM & CO	**Michigan City, Ind**	**TR4-3231**
	BLONDER-TONGUE LABS INC	**9 Alling St, Dept EBG, Newark 2, NJ**	**MA2-8151**
Ala	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
Alaska	M K Widdekind Co	222 First Ave, ND, Seattle, Wash	
Ariz	Wedge Weber Co	1217 Venice Blvd, Los Angeles, Cal	DU7-211
Ark	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Cal	Moulthrop & Hunter	165 Eleventh St, San Francisco, Cal	UN3-7880
Cal	Wedge Weber Co	1217 Venice Blvd, Los Angeles, Cal	DU7-211
Colo	Hyde Electronics	5206 Constitution Ave, N.E., Albuquerque, NM	
Conn	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
Del	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
Fla	William F Hemminger	618 N.E., 78th St, Miami, Fla	PL9-0300
Ga	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	M K Widdekind Co	222 First Ave, ND, Seattle, Wash	
Ill	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Ind	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	AN2083
Iowa	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Kan	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Ky	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	AN2083
La	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Me	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
Md	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
Mass	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
Mich	Lawrence F Zaffina Co	7351 Gratiot Ave, Detroit, Mich	
Minn	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Miss	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Mont	M K Widdekind Co	222 First Ave, ND, Seattle, Wash	
Neb	Norman W Kathrinus & Co	4356 Duncan Ave, S. Louis, Mo	OL2-7005
Nev	Moulthrop & Hunter	165 Eleventh St, San Francisco, Cal	UN3-7880
NH	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
NJ	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
NM	Hyde Electronics	5206 Constitution Ave, N.E., Albuquerque, NM	
NY	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
NC	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
ND	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Ohio	Weller-Rahe Co	Box 212, Worthington, Ohio	TU5-7819
Okla	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Ore	M K Widdekind Co	222 First Ave, ND, Seattle, Wash	
Pa	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
RI	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
SC	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
SD	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Tenn	Jesse P Johnson Co	413 Dome Bldg, Chattanooga, Tenn	AM5-3463
Tex	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Utah	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3455
Vt	William A Hendrickson	291 First Parish Rd, Scituate, Mass	SC652
Va	Land-C-Air Sales Co	201 Epsilon Pl, Annandale, Va	
Wash	M K Widdekind Co	222 First Ave, ND, Seattle, Wash	
W. Va	Weller-Rahe Co	Box 212, Worthington, Ohio	TU5-7819
Wisc	Felleisen Associates	5841 W. Montrose Ave, Chicago, Ill	SP7-1060
Wyo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3455
Foreign	Morhan Exporting	458 Broadway, New York, NY	WO5-1257
	BLUE M ELECTRIC CO	**138 & Chatham, Blue Island, Ill**	**FU5-0900**
Ala	W H Curtin & Co	315 Brown Marx Bldg, Birmingham	
Cal	Blue M Engrg Co	2312 S. Main St, L A 7, Cal	RI7-7151
Conn	Metallurgical Products Co	Box 78, Wethersfield, Conn	
Fla	W H Curtin & Co	Box 606, Jacksonville, Fla	
Ga	Will Corp of Ga	Box 966, Atlanta 1, Ga	
Ill	Chicago Apparatus Co	1735 N. Ashland Ave, Chicago 22, Ill	
Ind	Law Instrument Co	Box 95, Angola, Ind	
Ky	B Preiser Co	949 S. 3rd St, Louisville, Ky	
La	W H Curtin & Co	Box 1491, New Orleans 13, La	
Md	Gardner Laboratory	Box 5728, Bethesda, Md	
Mass	Macalaster-Bicknell Co	243 Broadway, Cambridge, Mass	
Mich	Claud S Gordon	2832 Grand Blvd, Detroit, Mich	
Mo	Aloe Scientific	5655 Kingsbury, St. Louis 12, Mo	
NJ	Ace Glass Inc	Vineland, NJ	
NY	Claude A Gates Co	Box 284, New Rochelle, NY	
Ohio	Chemical Rubber Co	9974 Springfield Pike, Woodlawn, Cinn	
Pa	Fisher Scientific Co	717 Forbes St, Pittsburgh 19, Pa	
Tex	W H Curtin & Co	P.O. Box 5304, Dallas, Tex	
W.Va	B Preiser Inc	Box 551, Charleston 22, Va	
Wisc	Claud S Gordon Co	647 W. Virginia St, Milwaukee, Wisc	
	BODINE ELECTRIC CO	**2500 W. Bradley Pl, Chicago 18, Ill**	**IR8-3515**
Cal	H M Hall C E Mello	406 S. Main St, Los Angeles 13, Cal	MA6-9159
Cal	J F Cady	1485 Bayshore Blvd, San Francisco 24, Cal	JU5-4108
Conn	H C Mayorga	55 W 42nd St, New York 36, NY	LO5-2841
Del	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
DC	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
Me	F L Olson	119 Great Rd, Bedford, Mass	CR4-7644
Md	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
Mass	F L Olson	119 Great Rd, Bedford, Mass	CR4-7644
Mich	C D Miller	P.O. Box 36, Grosse Ile, Mich	DU6-0900
Minn	A C Jacobson	338 E. Franklin Ave, Minneapolis 4, Minn	FE6-1805
NH	F L Olson	119 Great Rd, Bedford, Mass	CR4-7644
NJ	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
NY	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
NY	S E Shea	4548 Main St, Buffalo 26, NY	CI2243
Ohio	W R Uffelman	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7715
Ohio	C D Miller	P.O. Box 36, Grosse Ile, Mich	DU6-0900
Okla	General Power Equipment Co	5527 Dyer St, Dallas 6, Tex	EM8-4655
Ore	J F Cady	1485 Bayshore Blvd, San Francisco 24, Cal	JU5-4108
Pa	H C Mayorga	55 W. 42nd St, New York 36, NY	LO5-2841
Pa	W R Uffelman	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7715
RI	F L Olson	119 Great Rd, Bedford, Mass	CR4-7644
Tex	General Power Equipment Co	5527 Dyer St, Dallas 6, Tex	EM8-4655
Vt	F L Olson	119 Great Rd, Bedford, Mass	CR4-7644
Wash	J F Cady	1485 Bayshore Blvd, San Francisco 24, Cal	JU5-4108
Wisc	A C Jacobson	338 E. Franklin Ave, Minneapolis 4, Minn	FE6-1805
Canada	Renold Chains Canada Ltd	1066 Symour St, Vancouver, B C	
Canada	Renold Chains Canada Ltd	130 Ferguson St, Hamilton, Ontario	
Canada	Renold Chains Canada Ltd	50 Edward St, Toronto 2, Ontario	
Canada	Renold Chains Canada Ltd	1006 Mountain St, Montreal 25, Quebec	
	BODNAR INDUSTRIES INC	**238 Huguenot St, New Rochelle, NY**	**NE6-4664**
	BOEHM CO., R A	**58 Brooklyn Ave, Merrick, NY**	
	BOEHME INC., H O	**915 Broadway, New York 10, NY**	**SP7-2208**
	BOESCH MFG CO., INC	**45 River St, Danbury, Conn**	**PI3-5571**
Ala	W A Brown & Associates Inc	Box 114, Rt 4, Huntsville	JE6-8393
Ariz	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Cal	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Colo	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Idaho	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ky	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI-1086
Me	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Mich	M P Odell Co	10531-35 W. McNichols, Detroit 21, Mich	UN2-1573
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minnpls	LI5-4481
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Mo	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Neb	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Nev	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NJ	G Curtis Engel & Associates	210 South St, Ridgewood, NJ	GI4-1400

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
NY	G Curtis Engel & Associates	P.O. Box 164, Huntington Station, NY	HA3-7677
NY	Technical Instruments Inc	916 Liverpool Rd, Liverpool, NY	GL2-2534
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ore	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Pa	M P Odell Co	750 Pennsylvania Ave, Pittsburgh 21, Pa	FR1-1231
Pa	G Curtis Engel & Associates	P.O. Box 4383, Philadelphia 18, Pa	CH8-0892
RI	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
SC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Tenn	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Tex	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Utah	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
W. Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	ORG-1100
Wyo	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9717
England	Automation Ltd	Crescent, London SW11	
Canada	Bayly Engineering Ltd	Hunt St, Ajax, Ontario, Canada	EM2-3741
Japan	Takachiho Koheki Co Ltd	47 Umeda, Cho, Kita-Ku, Osaka	

	BOGART MFG CORP	**315 Seigel St, Brooklyn 6, NY**	**HY7-4972**
Ariz	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal	NE6-2245
Cal	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal	NE6-2245
Cal	Jay Stone & Associates	22250 Brookmill Rd, Los Altos, Cal	YO8-2770
Conn	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Del	Naudain Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
DC	Naudain Bohaker & Co	P.O. Box 3024, Alexandria, Va	TE6-6114
Fla	Don S Phelps	1401 Ceylon Dr, Orlando, Fla	GA4-9716
Ga	Don S Phelps	1401 Ceylon Dr, Orlando, Fla	GA4-9716
Ill	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Ind	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Iowa	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Kan	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Ky	Electro Sales Associates	Dabel Sta, Box 143, Dayton 20, Ohio	CH4-5551
Me	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Md	Naudain Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
Mass	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Mich	Electro Sales Associates	36500 Werderman Rd, Mt. Clemens, Mich	HO8-2461
Mo	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
NH	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
NJ	Naudain-Bohaker & Co	Suburban Sta Bldg, Phila 3, Pa	LO4-3194
NM	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal	NE6-2245
NY	NACO Electronics Corp	74 Park Ave, Rochester, NY	GR3-4169
NC	Larco Inc	P.O. Box 4175, Charlotte 4, NC	ED4-7090
Ohio	Electro Sales Associates	Dabel Sta, Box 143, Dayton 20, Ohio	CH4-5551
Ohio	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Okla	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Ore	Samuel N Stroum Co	6224 E. Burnside, Portland, Ore	
Pa	Naudain-Bohaker & Co	Suburban Sta Bldg, Phila 3, Pa	LO4-3194
Pa	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
RI	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
SC	Larco Inc	P.O. Box 4175, Charlotte 4, NC	ED4-7090
Tenn	Larco Inc	P.O. Box 4175, Charlotte 4, NC	ED4-7090
Tex	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Vt	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Va	Naudain Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
Wash	Samuel N Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
Wisc	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Canada	Electrodesign	736 Notre Dame St. W., Montreal	UN6-7367

	BOGEN-PRESTO DIV SIEGLER CORP	**Box 500, Paramus, NJ**	**DI3-6700**
Ala	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Alaska	Northwestern Agencies	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Ariz	Marshank Sales Co	7422 Melrose Ave, L A 46, Cal	WE8-2591
Ark	Texport Co	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Cal	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
Cal	Marshank Sales Co	7422 Melrose Ave, L A 46, Cal	WE8-2591
Colo	Ralph Stevenson	Box 17495, Salt Lake City, Utah	CR7-2515
Conn	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Del	Be-Esco Sales Corp	45 S. Broadway, Yonkers, NY	YO3-0150
DC	Be-Esco Sales Corp	9131 Hollycok Dr, Bethesda, Md	EM5-1670
Fla	G Baldock	7300 N.E. 8th Ave, Miami, Fla	PL7-9793
Fla	H Bagwell	807 N. Summerlin St, Orlando, Fla	GA5-6808
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Hawaii	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Idaho	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Idaho	Northwestern Agencies Inc	4130 1st Ave, S., Seattle, Wash	MA3-8882
Ill	W H Ellinger Sales Corp	6571 N. Olmstec, Chicago 31, Ill	RO3-4154
Ill	Forristal Young Sales Co	4053 Broadway, Kansas City, Mo	VA1-5330
Ind	Morris Cunningham & Assoc	6208 N. College Ave, Indnpls, Ind	CL1-3222
Iowa	Forristal Young Sales Co	8147 Delmar Blvd, S.Louis, Mo	PA5-7701
Kan	Forristal Young Sales Co	8147 Delmar Blvd, St. Louis, Mo	PA5-7701
Ky	Morris Cunningham & Assoc	6208 N. College Ave, Indnpls, Ind	CL1-3222
La	H Paul Arceneaux	501 N. Jeff Davis Pkwy, New Orleans	
Me	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Md	Chas L Range	9131 Hollycok Dr, Bethesda, Md	EM5-1670
Mass	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Mich	Lee & Hale Co	10432 W. McNichols, Detroit 21, Mich	UN3-4161
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Miss	H Paul Arceneaux	501 N. Jeff Davis Pkwy, New Orleans, La	
Mo	Forristal Young Sales Corp	4053 Broadway, Kansas City, Mo	VA1-5330
Mont	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Neb	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Nev	El Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
NH	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
NJ	Be Esco Sales Corp	45 S. Broadway, Yonkers, NY	YO3-0150
NM	Ralph S Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
NY	Be Esco Sales Corp	45 S. Broadway, Yonkers, NY	YO3-0150
NY	LeRoy & McGuire	R D 1, Phelps, NY	KI8-4891
NC	J Corn	4837 Gilmore Dr, Charlotte 9, NC	
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	Wm E McFadden Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Texport Co	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Ore	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Martin Weinberg	1122 E. Cliveden St, Phila, Pa	LI9-1122
Pa	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh, Pa	LO1-5067
RI	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
SC	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	MU8-5878
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	Hollingsworth & Still	336 Washington St, Wellesley Hills, Mass	CE5-0102
Tex	Texport Co	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Utah	Ralph S Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Vt	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Va	Chas L Range	9131 Hollycok Dr, Bethesda, Md	EM5-1670
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
W.Va	Tanner & Covert	300 Mt. Lebanon Ave, Pittsburgh 34, Pa	LO1-5067
Wisc	Roger Ponto	19550 Warwick Dr, Brookfield, Wisc	SU6-6900
Wyo	Ralph S Stevenson	2045 Waker Ln, Salt Lake City, Utah	CR7-2515
Foreign	M Hoffenberg	Bogen Presto, Paramus, NJ	DI3-5700

BOGUE ELECTRIC MFG CO	**52 Iowa Ave, Paterson 3, NJ**	
BOLLING INDUSTRIES INC	**330 E. Locust St, Scranton 2, Pa**	
BOMAC LABORATORIES INC	**Salem Rd, Beverly, Mass**	
BONYTE CO., THE	**Green St, Silverdale, Pa**	**AL7-2300**
BOND ELECTRONICS CORP	**60 Springfield Ave, Springfield, NJ**	**MU8-3838**

	BON-DE ELECTRONIC LABS INC	**135 Cabot St, Beverly, Mass**	**WA2-1106**
Cal	C W Swift & Associates	Box 316, Encino, Cal	ST4-8550
Conn	F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
DC	Arthur M Rothman	37-20 87th St, Jackson Hghts, NY	IL8-2555
Md	Arthur M Rothman	37-20 87th St, Jackson Hghts, NY	IL9-2555
Mass	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
NJ	Arthur M Rothman	37-20 87th St, Jackson Hghts, LI, NY	IL8-2555
NY	Arthur M Rothman	37-20 87th St, Jackson Hghts, NY	IL8-2555

	BONE ENGINEERING CORP	**701 W. Broadway, Glendale 4, Cal**	

	BONNY MFG CORP	**146 Main St, Maynard, Mass**	**TW7-9311**
Conn	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Me	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Mass	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
NH	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Ohio	Quint Gravatt & Co	3080 W. 117th St, Cleveland 11, Ohio	OR1-6633
RI	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Vt	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030

	BOOKER & WALLESTAD INC	**3336 Gorham Ave, Minneapolis 26, Minn**	**WE9-7836**

	BOONSHAFT & FUCHS INC	**Hatboro, Pa**	**OS2-1240**
Ariz	J S Kemp Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
Cal	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
Conn	Electronic Controls, Inc	85 Magee St, Stamford, Conn	DA5-3524
DC	Electronic Controls Inc	85 Magee St, Stamford, Conn	DA5-3524
Md	Electronic Controls Inc	85 Magee St, Stamford, Conn	DA5-3524
Mass	Electronic Controls Inc	85 Magee St, Stamford, Conn	DA5-3524
Nev	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
NH	Electronic Controls Inc	85 Magee St, Stamford, Conn	DA5-3524
NY	Electronic Controls Inc	85 Magee St, Stamford, Conn	DA5-3524
Pa	C E Snow Co	919 E. Phil-Ellena St, Phila, Pa	LI8-6043

	BOONTON ELECTRONICS CORP	**738 Speedwell, Morris Plains, NJ**	**JE9-4210**
Ala	James L. Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ariz	J O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
Ark	Engineering Associates Inc	Box 886, Ft. Worth, Tex	WA3-7386
Cal	J F O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
Colo	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-5455
Conn	George Gregory Associates	Box 243, Cheshire, Conn	AT8-2900
Del	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
DC	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Ga	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ill	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Ind	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Iowa	Arthur Engrg Sales Co	P.O. Box 2702, Milwaukee, Wisc	GA5-5919
La	Engineering Associates Inc	Box 886, Ft. Worth, Tex	WA3-7386
Me	George Gregory Assoc	99 Elm St, W. Newton, Mass	BI4-4832
Md	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Mass	George Gregory Assoc	99 Elm St, W. Newton, Mass	BI4-4832
Minn	Arthur Engrg Sales Co	Box 2702, Milwaukee, Wisc	GA5-5919
Nev	J F O'Halloran & Assoc	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
NH	George Gregory Assoc	99 Elm St, W. Newton, Mass	BI4-4832
NJ	NLR Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
NM	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-9455
NY	NLR Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
NY	SBM Associates	961 Clinton Ave, S. Rochester 21, NY	GR3-6506
NY	SBM Associates	9 Highland Ave, Albany, NY	HE8-5381
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Dayton Associates	Talbott Towers, Dayton 2, Ohio	BA3-9621
Okla	Engineeering Associates Inc	P.O. Box 886, Ft. Worth, Tex	WA3-7386
Pa	NLR Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
Pa	Dayton Associates	Talbott Towers, Dayton 2, Ohio	BA3-9621
RI	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tex	Engineering Associates Inc	Box 886, Ft. Worth, Tex	WA3-7386
Utah	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-5455
Vt	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Va	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
W.Va	Dayton Associates	Talbott Towers, Dayton 2, Ohio	BA3-9621
Wisc	Arthur Engrg Sales Co	Box 2702, Milwaukee, Wisc	GA5-5919
Foreign	A V Marano & Co., Inc	276 5th Ave, New York 1, NY	MU6-5577
Canada	Mel Sales Ltd	1969 Ave Rd, Toronto 11, Canada	HU1-0231

	BOONTON MOLDING CO	**Boonton, NJ**	
Conn	E P Bennett	34 Tuckahoe Ave, Tuckahoe, NY	WO1-2109
Ga	The Hilker Co	Box 5211, Winston-Salem, NC	PA4-8588
Mass	R A Bird	608 Washington St, Abington, Mass	TR8-0238
NY	R J Hill	Box 538, Alden, NY	XF7-7134
NC	The Hilker Co	Box 5211, Winston-Salem, NC	PA4-8588
Pa	C G Davies	1120 Brill St, Philadelphia 24, Pa	PI3-0315
Pa	Wm H Stevenson	86 Heron Dr, Holland, Pa	EL7-6291
SC	The Hilker Co	Box 5211, Winston-Salem, NC	PA4-8588

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	BOONTON RADIO CORP	**50 Intervale Rd, Boonton, NJ**	**DE4-3200**
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	WH6-3504
Cal	Van Groos Co	21051 Costanso St, Woodland Hills, Cal	DI0-3131
Cal	Van Groos Co	1178 Los Altos Ave, Los Altos, Cal	WH8-7266
Colo	Gene French Co	1480 Hoyt, Denver 15, Colo	MA3-1458
Conn	Instrument Associates	734 Asylum Ave, Hartford, Conn	CH6-5686
Fla	Bivins & Caldwell	723 W. Smith Ave, Orlando, Fla	CH1-1091
Ga	Bivins & Caldwell	3133 Maple Dr, N.E. Atlanta, Ga	CE3-7522
Ill	Crossley Associates Inc	2501 W. Peterson Ave, Chicago 45, Ill	BR5-1600
Ind	Crossley Associates Inc	5420 N. College Ave, Indianapolis, Ind	CL1-9255
Mass	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
NY	E A Ossmann & Associates Inc	149 Front St, Vestal, NY	ST5-0296
NY	E A Ossmann & Associates Inc	2363 James St, Syracuse, NY	HE7-8446
NY	E A Ossmann & Associates Inc	830 Linden Ave, Rochester, NY	LU6-4940
Ohio	Crossley Associates Inc	2801 Far Hills Ave, Dayton, Ohio	AX9-3594
Tex	Earl Lipscomb & Associates	3825 Richmond Ave, Houston, Tex	MO7-2407
Tex	Earl Lipscomb & Associates	3606 Inwood Rd, Dallas, Tex	FL7-1881
Utah	Gene French Co	138 S. 2nd East, Salt Lake City, Utah	
Va	Bivins & Caldwell Inc	1219 High St, Richmond, Va	EL5-7931
Foreign	Sales Office Representatives in all principal countries		

	BOOTH CO., ARTHUR E	**265 S. Alexandria Ave, Los Angeles 4, Cal**	**DU1-2161**

	BOOTS AIRCRAFT NUT CORP	**Newtown Turnpike, Norwalk, Conn**	**VI7-2446**
Ala	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Ariz	Boots Aircraft Western Div	432 N. Lake Ave, Pasadena, Cal	RY1-6679
Cal	Boots Aircraft Western Div	432 N. Lake Ave, Pasadena, Cal	RY1-6679
Cal	Charles D Fey	420 Market St, San Francisco 11, Cal	YU5-4090
Colo	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
Conn	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Del	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
DC	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Fla	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Fla	James Vann	4212 E. Mar St, Lauderdale, Fla	LO4-8668
Ga	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Idaho	Charles G Miller	2717 Chelton Rd, Colorado Springs, Colo	ME3-9765
Ill	E A Searing	406-C South Blvd, Evanston, Ill	DA8-4388
Ill	Roy Johnson Jr	P.O. Box 216, Drayton Plains, Mich	OR3-3933
Ind	Wellman Engineering	4618 Winthrop Ave, Indianapolis 5, Ind	AT3-5696
Iowa	E A Searing	406-C South Blvd, Evanston, Ill	DA8-4388
Kan	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
Ky	John A Lombard	P.O. Box 481, Dayton, Ohio	CR5-6336
Me	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Md	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Mass	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Mich	Roy Johnson Jr	P.O. Box 216, Drayton Plains, Mich	OR3-3933
Minn	P L Coppins Sales Co	3435 E. 25th St, Minnpls 6, Minn	PA2-9322
Mo	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
Mont	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
NH	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
NJ	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
NM	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
NY	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
NY	L M Loveless	544 Sibley Tower Bldg, Rochester, NY	BA7595
NC	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
ND	P L Coppins Sales Co	3435 E. 25th St, Minnpls, Minn	PA2-9322
Ohio	Roy Johnson Jr	P.O. Box 216, Drayton Plains, Mich	OR3-3933
Ohio	J A McMahor	1900 Euclid Ave, Cleveland, Ohio	CH1-0317
Ohio	John A Lombard	P.O. Box 481, Dayton, Ohio	CR5-6336
Ore	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	MI4-400
Pa	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
RI	Paul E Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
SC	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
SD	P L Coppins Sales Co	3435 E. 25th St, Minnpls 6, Minn	PA2-9322
Tenn	Dane & Co	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Tex	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
Utah	Charles G Miller	2717 Chelton Rd, Colo Springs, Colo	ME3-9765
Vt	Paul W Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Va	Paul W Wolfe	460 Ridge View Rd, Orange, Conn	SY5-4343
Wash	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	MI4-400
Canada	Aeromotive Engrg Products	147 Hymus Blvd, Pointe Claire, Que, Can	ME1-4396

	BORDEN CHEMICAL DIV BORDEN CO	**350 Madison Ave, New York 17, NY**	**MU7-4100**
	BORG EQUIPMENT DIV AMPHENOL-BORG ELECTRONICS CORP	**120 S. Main, Janesville, Wisc**	**PL4-6616**
	BORTHIG CO., INC., GEORGE C	**P. O. Box 11A, E. Rutherford, NJ**	**WE9-9260**
	BOSTITCH	**East Greenwich, RI**	**TU4-2500**
	BOSTON FELT CO	**210 South St, Boston 11, Mass**	

	BOSTON INSUL WIRE & CABLE CO	**65 Bay St, Boston 25, Mass**	**CO5-2104**
Ala	Emory Design & Equipment Co	P.O. Box 9013, Birmingham, Ala	TR1-1369
Ariz	Fred Schoeffler Associates	5822 S. Wilshire Dr, E., Tucson, Ariz	AX8-6173
Cal	J Deere Co	1575 Laurel St, San Carlos, Cal	LY3-8083
Cal	Precision Cabled Products	2800 E. Century Blvd, Lynwood, Cal	NE6-0231
Fla	Emory Design & Equipment Co	P.O. Box 507, Bradenton, Fla	
Ill	Withers Ropek & Cahill	5439 W. Division St, Chicago, Ill	AU7-7292
Kan	Thunderbird Engrg Sls & Services Inc	2826 Main St, Kansas City, Kan	WE1-9779
Kan	Thunderbird Engrg Sls & Services Inc	6405 Kellogg St, Wichita, Kan	MU4-3941
Mo	Thunderbirg Engrg Sls & Services Inc	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
NM	Fred Schoeffler Associates	5822 S. Wilshire Dr, E., Tucson, Ariz	AX8-6173
NY	Naylor Electric Co., Inc	1718 Erie Blvd, E., Syracuse, NY	GR2-9183
Ohio	Boston Insulated Wire & Cable Co	190 Columbus St, Chagrin Falls, Ohio	CH7-8642
Tenn	Simmons Sales Co	1015 Terry Circle, Memphis, Tenn	BR6-7257
Wash	G E Harris Co	444 Dexter Horton Bldg, Seattle, Wash	MA4-1673
Canada	Boston Insul Wire & Cable Co Ltd	118 Shaw St, Hamilton, Ontario, Canada	JA9-7151
Canada	W E M Walsh Co	4330 Sir Geo Simpson, Montreal, Que, Can	ME4-2098
Canada	Boston Insul Wire & Cable Co Ltd	Lochlin Dr, Toronto, Ontario, Canada	

	BOULEVARD ELECTRONICS INC	**1229 W. Washington, Chicago, Ill**	**TA9-3405**

	BOURNS INC	**6135 Magnolia Ave, Riverside, Cal**	**OV4-1700**
Ala	V Avis McCorvey Co	403 Cherry St, Gadsden, Ala	
Ariz	Hyde Electronics Co	2902 W. Villa, Phoenix, Ariz	AP8-2266
Ark	Southwest Electronic Industries	Medows Bldg, Dallas, Tex	EM3-1671
Cal	Wm J Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Gerber Sales Co.	443 Winthrop Ave, New Haven, Conn	ST7-7121
Del	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson, Md	VA5-4445
DC	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson, Md	VA5-4445
Fla	V Avis McCorvey Co	708 San Juan Blvd, Orlando, Fla	
Ga	V Avis McCorvey Co	215 Church St, Decatur, Ga	CR6167
Idaho	Burt C Porter Co	1209 Poplar Blvd, Seattle, Wash	EA3-8330
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago, Ill	RO4-6121
Ill	McDowell Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Ind	Robt O Whitesell & Associates	5620 E. Washington St, Indpls, Ind	FL9-5374
Iowa	Gassner & Clark Co	6644 N. Western Ave, Chicago, Ill	RO4-6121
Iowa	McDowell Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Kan	McDowell Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Ky	Robt O Whitesell & Associates	Boerger Bldg, Cincinnati, Ohio	ME1-9210
La	Southwest Electronic Industries	Medows Bldg, Dallas, Tex	EM3-1671
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Thomas H Closs Co	21 Pennsylvania Ave, Towson, Md	VA5-4445
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	A B M Sales Co	10116 Puritan Ave, Detroit, Mich	UN2-1300
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Miss	V Avis McCorvey Co	215 Church St, Decatur, Ga	CR6167
Mo	McDowell Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Neb	McDowell Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Nev	Wm J Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-111
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Wally B Swank	2310 Bellevue Ave, Syracuse, NY	GR8-2141
NC	V Avis McCorvey Co	215 Church St, Decatur, Ga	CR6167
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Ohio	Robt O Whitesell & Associates	Boerger Bldg, Cincinnati, Ohio	ME1-9210
Okla	Southwest Electronic Industries	Medows Bldg, Dallas, Tex	EM3-1671
Ore	Burt C Porter	P.O. Box 7854, Portland, Ore	AT4-1718
Pa	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	WA5-3518
Pa	Neal Bear Corp	1974 Gregory Ave, Monroeville, Pa	VA3-5117
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	V Avis McCorvey Co	215 Church St, Decatur, Ga	CR6167
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Tenn	V Avis McCorvey Co	215 Church St, Decatur, Ga	CR6167
Tex	Southwest Electronic Industries	Medows Bldg, Dallas, Tex	EM3-1671
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson, Md	VA5-4445
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
W. Va	Neal Bear Corp	1974 Gregory Ave, Monroeville, Pa	VA3-5117
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago, Ill	RO4-6121
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Foreign	Painton & Co Ltd	Kingsthorpe, Northampton, England	32354
Canada	Douglas Randall Ltd	126 Manville Rd, Scarborough, Ont, Can	PL9-2291
	BOW SOLDER PRODUCTS CO., INC	**251 Freeman St, Brooklyn 22, NY**	**EV9-4063**
Ariz	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
Ind	Victor Musser	608 W. 2nd St, Marion, Ind	
Ky	Victor Musser	608 W. 2nd St, Marion, Ind	
Mass	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
Nev	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
NJ	I Solotoff	1955 Bogart Ave, Bronx 62, NY	
NY	I Solotoff	1955 Bogart Ave, Bronx 62, NY	
	BOWERS BATTERY & SPARK PLUG CO	**Box 1262, Reading, Pa**	**WA9-0771**
Conn	Bowers Battery & Spark Plug Co	132 Brownell St, New Haven, Conn	FU9-9211
Ga	Bowers Battery & Spark Plug Co	P.O. Box 1177, Macon, Ga	SH3-1561
Md	Bowers Battery & Spark Plug Co	612 Battery Ave, Baltimore 30, Md	MU5-8854
NY	Bowers Battery & Spark Plug Co	382 Virginia St, Buffalo, NY	LI8584
NY	Bowers Battery & Spark Plug Co	20 Windsor St, Jamestown, NY	31222
NC	Bowers Battery & Spark Plug Co	831 Moretz Ave, Charlotte, NC	FR6-8115
Ohio	Patterson Mfg Co	437 Park Ave, N.W. New Phila, Ohio	42124
Ohio	Bowers Battery & Spark Plug Co	784 N. High St, Columbus, Ohio	CA4-7000
Pa	Bowers Battery & Spark Plug Co	3411 Saw Mill Run Blvd, Pittsburgh, Pa	TU1-3872
Pa	Bowers Battery & Spark Plug Co	1205-15 N. 8th St, Philadelphia 22, Pa	PO3-6363
Va	Bowers	937 Myers St, Richmond, Va	EL9-2786
	BOWMAR INSTRUMENT CORP	**8000 Bluffton, Rd, Ft Wayne, Ind**	**SK3121**
Ala	George Bohman	1239 Newcastle Dr, Orlando, Fla	GA5-6860
Ariz	Samuel O Jewett Co	45 W. 1st Ave, Scottsdale, Ariz	WH5-9711
Ark	Southwest Electronic Ind	Meadows Bldg, Dallas 6, Tex	EM3-1671
Cal	Samuel O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Colo	Aerol Associates	518 17th St, Denver 2, Colo	CH4-7463
Conn	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
Del	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
DC	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Fla	George Bohman	1239 Newcastle Dr, Orlando, Fla	GA5-6860
Ga	George Bohman	1239 Newcastle Dr, Orlando, Fla	GA5-6860
Idaho	Aerol Associates	500 Wall St, Seattle, Wash	MA3-1975
Ill	Ridley Associates	1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Iowa	Ridley Associates	1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Kan	Aerol Associates	6631 E. Kellogg, Wichita, Kan	MU3-7421
Ky	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
La	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Me	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
Md	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Mass	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
Minn	Ridley Associates	3825 N. York Ave, Minneapolis, Minn	JU8-2390
Mo	Aerol Associates	Lambert Airport, St. Louis, Mo	PE1-6853
NH	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
NJ	F Jack Hartley	Pattenburg, NJ	CL743
NY	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
NY	Robert Klein	167 Norton Village Ln, Rochester, NY	HO7-3694
NC	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Ohio	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati 37, Ohio	ME1-2460
Ohio	Sheridan Associates Inc	6333 York Rd, Cleveland 30, Ohio	TU4-8060
Ohio	Sheridan Associates Inc	4217 N. Main St, Dayton 5, Ohio	CR7-7212
Okla	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Ore	Aerol Associates	500 Wall St, Seattle, Wash	MA3-1975
Pa	Sheridan Associates Inc	6333 York Rd, Cleveland 30, Ohio	TU4-8060
Pa	F Jack Hartley	Pattenburg, NJ	CL743
RI	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
SC	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Utah	Aerol Associates	518 17th St, Denver 2, Colo	CH4-7463
Vt	Bowmar Instrument Corp	40 Middle Neck Rd, Great Neck, NY	HU2-1750
Va	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Wash	Aerol Associates	500 Wall St, Seattle 1, Wash	MA3-1975
W.Va	Thomas P McMahon	30 Ridgefield Rd, Lutherville, Md	VA5-4094
Wisc	Ridley Associates	1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
	BRACH MFG CORP	**200 Central Ave, Newark, NJ**	**HU3-1500**
Conn	Murray Salit	Box 47, New York 52, NY	CY3-8082
Ind	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Mich	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
NJ	Murray Salit	Box 47, New York 52, NY	CY3-8082
NY	Murray Salit	Box 45, New York 52, NY	CY3-8082
NY	General Bronze Corp	100 Park Ave, New York, NY	MU9-3270
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	
Pa	Murray Salit	Box 47, New York 52, NY	CY3-8082
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	
	BRACKE-SEIB X-RAY CO., INC.	**16 Pelham Bay, Pt W., Pelham Manor, NY**	**PE8-4346**
	BRADFORD COMPONENTS INC	**65 South Ave, Salamanca, NY**	**2340**
Cal	Mossman Pacific Inc	776 W. Front St, Covina, Cal	EDI-2223
	BRADLEY INDUSTRIES	**1650-58 N. Damen Ave, Chicago 47, Ill**	**AR6-8197**
Cal	Bradley Associates Inc	603 S. LaBrea, Los Angeles 36, Cal	WE4-5141
NY	Bradley Associates Inc	1133 Broadway, New York 10, NY	ALS-5911
	BRADLEY SEMICONDUCTOR CORP	**275 Nelson St, New Haven 11, Conn**	**ST7-7181**
Ala	Murphy & Cota	Ln Plaza, 250 Gov Dr, S.E., Huntsville	JE6-9121
Ariz	Costello & Co	2740 S. LaCienega Blvd, L A, Cal	UPO-8537
Cal	Costello & Co	2740 S. LaCienega Blvd, Los Angeles	UPO-8537
Colo	Raymond E Vinson	3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	John E Boering Co	265 Church St, New Haven, Conn	ST7-0115
Del	Beebe & Aikman Assoc	237 Lancaster St, Devon, Pa	MU8-5173
DC	Millette & Associates	517 Braxton Pl, Alexandria, Va	RE7-7798
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Idaho	Raymond E Vinson	3600 S. Lincoln, Englewood, Colo	SU9-2851
Ill	R C Whitmore & Assoc	605 N. Michigan Ave, Chicago, Ill	MO4-1904
Ind	R C Warner & Assoc	Box 338, S. Whitley, Ind	SW350
Iowa	Anderson & Associates	3825 York Ave, N., Minnpls 22, Minn	JU8-2523
Kan	Automatic General Electronic Sales	6550 B Troost, Kansas City, Mo	DE3-8206
Ky	R C Warner & Assoc	Box 338, S. Whitley, Ind	SW350
Me	John E Boering Co	Box 235, Lexington, Mass	VO2-2500
Md	Millette & Associates	517 Braxton Pl, Alexandria, Va	RE7-7798
Mass	John E Boering Co	Box 235, Lexington, Mass	VO2-2500
Mich	Jim Morrow Sales Co	13149 Hamilton Ave, Highland Park, Mich	TO5-7600
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Mo	Automatic General Electronic Sales	6550 B Troost, Kansas City, Mo	DE3-8206
NH	John E Boering Co	Box 235, Lexington, Mass	VO2-2500
NJ	Beebe & Aikman Assoc	237 Lancaster St, Devon, Pa	MU8-5173
NJ	George Podeyn Inc	Woodridge, NJ	GE8-2780
NM	Raymond E Vinson	3600 S. Lincoln, Englewood, Colo	SU9-2851
NY	George Podeyn Inc	Great Neck, NY	HU7-1173
NY	H C Johnson Agency Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
ND	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Ohio	R G Sidnell & Co	1229 Westlake Ave, Cleveland, Ohio	AC1-1313
Okla	Automatic General Electronic Sales	6550 B Troost, Kansas City, Mo	DE3-8206
Ore	Stulgis & Co	608 W. Crockett, Seattle 9, Wash	
Pa	Beebe & Aikman Assoc	237 Lancaster St, Devon, Pa	MU8-5173
Pa	R G Sidnell & Co	1229 Westlake Ave, Cleveland, Ohio	AC1-1313
RI	John E Boering Co	Box 235, Lexington, Mass	VO2-2500
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
SD	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Tex	Automatic General Electronic Sales	3017 Westminster, Dallas, Tex	LA1-7876
Utah	Raymond E Vinson	3600 S. Lincoln, Englewood, Colo	SU9-2851
Vt	John E Boering Co	Box 235, Lexington, Mass	VO2-2500
Va	Millette & Associates	517 Braxton Pl, Alexandria, Va	RE7-7798
Wash	Stulgis & Co	608 W. Crockett, Seattle 9, Wash	
W. Va	Millette & Associates	517 Braxton Pl, Alexandria, Va	RE7-7798
Wisc	R C Whitmore & Assoc	605 N. Michigan Ave, Chicago, Ill	MO4-1904
Wyo	Raymond E Vinson	3600 S. Lincoln, Englewood, Colo	SU9-2851
Foreign	Microwave International Corp	527 Lexington Ave, New York, NY	PL3-7780
Canada	Wholesale Radio & Electr Ltd	66 Orfus Rd, Toronto, Canada	RU7-1271
	BRADY CO., W H	**727 W. Glendale Ave, Milwaukee 2, Wisc**	**ED2-8100**
Ala	W M Rapp	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-0136
Ariz	J Metzler	923 E. Third St, Los Angeles 13, Cal	MA6-2896
Ark	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Cal	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
Cal	J Metzler	923 E. Third St, Los Angeles 13, Cal	MA6-2896
Colo	J Metzler	923 E. Third St, Los Angeles 13, Cal	MA6-2896
Conn	M Kennedy	119 Ann St, Hartford 3, Conn	CH7-1283
Del	J J Duffy	4401 Germantown Ave, Phila 40, Pa	GL7-0100
DC	J J Duffy	4401 Germantown Ave, Phila 40, Pa	GL7-0100
Fla	W M Rapp	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-0136
Ga	W M Rapp	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-0136
Idaho	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
Ill	W J Tuite	6965 W. Belmont Ave, Chicago, Ill	NA2-2731
Ind	S F Montague	1717 Section Rd, Cincinnati, Ohio	ME1-8552
Kan	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Ky	S F Montague	1717 Section Rd, Cincinnati, Ohio	ME1-8552
La	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Me	C M Byron	375 Moody St, Boston, Mass	TW3-8390
Md	J J Duffy	4401 Germantown Ave, Phila, Pa	GL7-0100
Mass	C M Byron	375 Moody St, Boston, Mass	TW3-8390
Mich	R H Miller	416 W. Woodland, Detroit, Mich	LI3-9350
Miss	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Mo	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Nev	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
Mont	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
NH	C M Byron	375 Moody St, Boston, Mass	TW3-8390
NJ	J I Stone, Newark Office	449 Broad St, Newark 2, NJ	HU4-6330
NY	J I Stone, Newark Office	449 Broad St, Newark 2, NJ	HU4-6330
NC	J J Duffy	4401 Germantown Rd, Phila, Pa	GL7-0100
Ohio	R L Blasko - Cleveland Office	2111 S. Green Rd, Cleveland 21, Ohio	EV2-5090
Ohio	S F Montague - Cincinnati Office	1717 Section Rd, Cincinnati, Ohio	ME1-8552
Okla	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Ore	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
Pa	J J Duffy	4401 Germantown Ave, Phila 40	GL7-0100
RI	C M Byron	375 Moody St, Boston, Mass	TW3-8390
SC	W M Rapp	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-0136
Tenn	W M Rapp	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-0136
Tex	W B Curtin	519 Lee Ave, St. Louis, Mo	ST1-6290
Utah	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
Vt	C M Byron	375 Moody St, Boston, Mass	TW3-8390
Va	J J Duffy	4401 Germantown Ave, Phia, Pa	GL7-0100
Wash	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
W. Va	R L Blasko	2111 S. Green Rd, Cleveland 21, Ohio	EV2-5090
Wyo	J E Friedman	1246 Folsom St, San Francisco 3, Cal	HE1-8480
	BRAIMIN CORP C S	**320 Washington St, Mt. Vernon, NY**	**MO 8-5500**
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Conn	Robert F Carlson	971 Whitman St, Whitman, Mass	
Del	Robert F Carlson	971 Whitman St, Whitman, Mass	
Ill	Warren W Anderson	400 S. 9th St, St. Charles, Ill	
Ind	Richard A Coolidge	1940 Sagamore Dr, Euclid, Ohio	
Iowa	Warren W Anderson	400 S. 9th St, St. Charles, Ill	
Me	Robert F Carlson	971 Whitman St, Whitman, Mass	
Md	Robert F Carlson	971 Whitman St, Whitman, Mass	
Mass	Robert F Carlson	971 Whitman St, Whitman, Mass	
Mich	Richard A Coolidge	1940 Sagamore Dr, Euclid, Ohio	
Minn	Warren W Anderson	400 S. 9th St, St. Charles, Ill	
Mo	Warren W Anderson	400 S. 9th St, St. Charles, Ill	
NH	Robert F Carlson	971 Whitman St, Whitman, Mass	
NJ	Robert F Carlson	971 Whitman St, Whitman, Mass	
NY	Richard Coolidge	1940 Sagamore Dr, Euclid, Ohio	
NY	Robert F Carlson	971 Whitman St, Whitman, Mass	
NC	Robert F Carlson	971 Whitman St, Whitman, Mass	
Ohio	Richard A Coolidge	1940 Sagamore Dr, Euclid, Ohio	
Pa	Robert F Carlson	971 Whitman St, Whitman, Mass	
Pa	Richard Coolidge	1940 Sagamore Dr, Euclid, Ohio	
RI	Robert F Carlson	971 Whitman St, Whitman, Mass	
Vt	Robert F Carlson	971 Whitman St, Whitman, Mass	
Va	Robert F Carlson	971 Whitman St, Whitman, Mass	
Wisc	Warren W Anderson	400 S. 9th St, St. Charles, Ill	
	BRAM METALLURGICAL CHEMICAL CO	**3320 65th Ave, Philadelphia 26, Pa**	**WA4-21**
Cal	Norman Sutcliffe Co	275 Brannan St, San Francisco, Cal	GA1-5317
Mo	J C Culver & Co	4638 Nichols Pkwy, Kansas City 12, Mo	
	BRAND, WILLIAM-REX DIV	**31 Sudbury Rd, Concord, Mass**	**EM9-9630**
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	Collins Electronic Sales	535 Middlefield Rd, Palo Alto, Cal	DA6-0647
Cal	Mil-Spec Supply Co	17468 Ventura Blvd, Encino, Cal	ST4-1206
Colo	Denver Engineering Sales	Beeson Bldg, Denver, Colo	EL9-1323
Conn	Robert H Robinson	Box 157, S. Coventry, Conn	PI2-7323
Conn	Rene Jacobs	Mountain View Dr, Weston, Conn	CA7-0685
Fla	Repco Sales Co	Box 1164, Miami 38, Fla	PL7-2911
Ga	Emmett Rushin	Box 486, Roswell, Ga	CE7-2971
Ill	William Brand-Rex Div	3959 N. Lincoln Ave, Chicago, Ill	LA5-6225
Ind	E S Needler	5302 Fairfield Ave, Ft. Wayne, Ind	HA9726
Md	James A Maguire & Co	29 Allegheny Ave, Towson 4, Md	VA5-3836
Mich	Nelson J Clark	17136 E. Warren Ave, Detroit 24, Mich	TU5-1723
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Mo	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis 21, Mo	EV2-8500
Mo	W E Fry & Co., Inc	406 W. 34 St, Kansas City 11, Mo	JE1-6236
NJ	James A Maguire & Co	116 N. 7 St, Camden 2, NJ	WO6-3118
NJ	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NY	Peter F Smith	4 Morton Rd, Dewitt, NY	GI6-2645
NY	James J O'Keefe Jr	102 Jericho Tpke, New Hyde Park, NY	GE7-0010
NC	Willard Lawrence	1707 Avondale Dr, Durham, NC	2-8717
Ohio	Joseph H Clark	Box 708, Cleveland 22, Ohio	PR1-2241
Pa	William P Jones	164 Crescent Hill Rd, Pittsburgh 35, Pa	SY3-1973
Tex	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
Wash	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	EA5-4400
Canada	William T Barron	Box 126, Oakville, Ontario, Canada	CL1-7621
	BRANSON CORP	**41 S. Jefferson Rd, Whippany, NJ**	**TU7-1100**
Ariz	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Cal	W E Zimmerman Co	201 Town & Country Village, Palo Alto	DA1-2008
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Colo	Inland Associates	1048 Hoyt St, Lakewood, Colo	BE7-6881
Colo	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-3575
Conn	Clyde Walb Allison Engrg Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Del	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
DC	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Iowa	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-3575
Kan	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-3575
Me	Noone Co	Box 123, Cambridge, Mass	UN4-5239
Md	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Mass	Noone Co	Box 123, Cambridge, Mass	UN4-5239
Mich	Frank A Villani	7008 Rosemary, Dearborn, Mich	LO3-1256
Minn	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis, Minn	WA6-3919
Mo	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Neb	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
NH	Noone Co	Box 123, Cambridge, Mass	UN4-5239
NJ	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI 2-0600
NJ	Podeyn-Schmidt	207 Hackensack St, Woodridge, NJ	GE8-2780
NY	Podeyn-Schmidt	420 Northern Blvd, Great Neck, NY	HU7-1173
NY	Sanco Inc	124 Kinne Rd, E. Syracuse, NY	GI6-4927
ND	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis, Minn	WA6-3919
Ohio	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
Pa	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
Pa	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
SD	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis, Minn	WA6-3919

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Vt	Noone Co	Box 123, Cambridge, Mass	UN4-5239
Va	Arnold Associates	528 Ryers Ave, Cheltenham, Pa	PI2-0600
Wisc	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis, Minn	WA6-3919
Canada	Found Bros Aviation Ltd	Malton Airport, Malton, Ontario, Canada	BU6-2241
	BRANSON INSTRUMENTS INC	**1 Brown House Rd, Stamford, Conn**	**DA4-6721**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville, Ala	JE2-2811
Cal	Branson Instruments Inc	12438 Ventura Blvd, Studio City, Cal	TR7-9407
Cal	Branson Instruments Inc	210 San Leandro Blvd, San Leandro, Cal	LO9-5274
Colo	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Conn	Branson Ultrasonic Corp	98 Wheeler Park Ave, Bridgeport 4, Conn	EX4-0015
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Hawaii	Thom Equipment Co	463 N. Nimitz Hwy, Honolulu, Hawaii	
Ill	Branson Ultrasonic Corp	5056 N. Albany Ave, Chicago 25, Ill	IR8-1202
Ky	Plant Equipment Co	4407 Louisville Ave, Louisville 9, Ky	EM3-2671
Mass	Charles T Morgan Co	21 Lothrop St, Beverly, Mass	WA2-0378
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit, Mich	VE7-8820
Minn	Finishing Equipment & Supply Co	3702 E. Lake St, Minneapolis 6, Minn	PA1-1787
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
NJ	Branson Instruments Inc	349 Franklin Ave, Nutley, NJ	NO7-7400
NJ	George A Doerffel	6100 Rogers Ave, Merchantville 8, NJ	NO2-8144
NY	Redford Corp	262 Saratoga Rd, Scotia, NY	EX9-1124
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Plant Equipment Co	316 Dumo St, Cincinnati 15, Ohio	PA1-6183
Okla	Engineering Test Services Inc	910 S. Boston Ave, Tulsa, Okla	LU2-7005
Pa	R L Holliday Co	3737 Poplar Ave, Pittsburgh 34, Pa	LO1-7620
Tex	Engineering Test Services Inc	4101 San Jacinto, Houston, Tex	JA4-8381
Tex	Engineering Test Services Inc	P.O. Box 8158, Ft. Worth 12, Tex	JE6-7891
Utah	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City 4, Utah	DA2-2041
Va	Branson Instruments Inc	6612 N. 33rd St, Falls Church, Va	JE4-4118
W. Va	Baldwin Supply Co	207 Virginia St, W., Charles 26, W. Va	DI6-9661
	BRANSON ULTRASONIC CORP	**1 Brown House Rd, Stamford, Conn**	**FI8-7881**
	BRAUN, MAX	**Roesselsheimerstr 22, Frankfurt/M, Germany**	
	BRAUN-KNECHT-HEIMANN CO GLASS ENGINEERING DIV	**603 O'Neil Ave, Belmont, Cal**	
	BRAUN TOOL & INSTRUMENT CO., INC., N	**140 Fifth Ave, Hawthorne, NJ**	**HA7-1773**
Ariz	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	RY1-9603
Cal	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	RY1-9603
Nev	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	RY1-9603
Okla	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	RY1-9603
	BREEZE CORPS INC	**700 Liberty Ave, Union, NJ**	**MU6-4000**
Ala	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Alaska	Aviquipo Inc	90 Broad St, New York 4, NY	WH3-6580
Ariz	Gordon Verrier	5936 Dagwood Ave, Lakewood 11, Cal	TO7-7811
Ariz	Components Corp	35 N. Arroyo Pkwy, Pasadena, Cal	MU1-7448
Cal	Components Corp	35 N. Arroyo Pkwy, Pasadena, Cal	MU1-7448
Cal	Gordon Verrier	5936 Dagwood Ave, Lakewood 11, Cal	TO7-7811
Cal	Long & Associates	505 Middlefield Rd, Redwood City, Cal	EM9-3324
Colo	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Conn	James Boynton	Box 175, Norwalk, Conn	AM8-4986
Del	Dan Belvin	10307 Calumet Dr, Silver Spring, Md	JU5-0861
DC	Dan Belvin	10307 Calumet Dr, Silver Spring, Md	JU5-0861
Fla	Airtronics International Corp	6900 W. Rd 84, Ft. Lauderdale, Fla	LU3-4541
Ga	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Hawaii	Aviquipo Inc	90 Broad St, New York 4, NY	WH3-6580
Ill	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Ind	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Iowa	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Kan	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Me	James Boynton	Box 175, Norwalk, Conn	AM8-4986
Md	Dan Belvin	10307 Calumet Dr, Silver Spring, Md	JU5-0861
Mass	James Boynton	Box 175, Norwalk, Conn	AM8-4986
Mich	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Miss	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Miss	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Mo	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Neb	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Nev	Components Corp	35 N. Arroyo Pkwy, Pasadena, Cal	MU1-7448
NH	James Boynton	Box 175, Norwalk, Conn	AM8-4986
NJ	L W Gottschalk	Rt 4, Capel Dr, Huntington, NY	HA1-1378
NY	James Boynton	Box 175, Norwalk, Conn	AM8-4986
NY	L W Gottschalk	Rt 4, Capel Dr, Huntington, NY	HA1-1378
NC	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Ohio	E A Sprigg	454 Highland Ave, Wadsworth, Ohio	FE5-4932
Okla	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Pa	L W Gottschalk	Rt 4, Capel Dr, Huntington, NY	HA1-1378
Pa	Mel Gray	137 Butler Pkwy, Summit, NJ	CR3-1728
RI	James Boynton	Box 175, Norwalk, Conn	AM8-4986
SC	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Tenn	C O Benedette	714 Paces Ferry Rd, Smyrna, Ga	HE5-8393
Tex	C L Kennedy	3121 Sennett, Wichita, Kan	MU6-7808
Vt	James Boynton	Box 175, Norwalk, Conn	AM8-4986
Va	Dan Belvin	10307 Calumet Dr, Silver Spring, Md	JU5-0861
Wash	Martin L Poggi	Carlson Bldg, Bellevue, Wash	GL4-5648
W. Va	Dan Belvin	10307 Calumet Dr, Silver Spring, Md	JU5-0861
Wisc	Hugh Bauers	208C South Blvd, Evanston, Ill	GR5-1867
Foreign	Aviquipo Inc	90 Broad St, New York 4, NY	WH3-6580
	BREON LABORATORIES	**1320 Evergreen Rd, Williamsport, Pa**	**7426**
	BREVEL PRODUCTS CORP	**601 W. 26th St, New York 1, NY**	**WA4-4737**
	BREW & CO., INC., RICHARD D	**90 Airport Rd, Concord, NH**	**CA5-6605**
Ariz	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
Conn	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
Del	C H Newson & Associates	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
Fla	William F Hemminger	624 N.E. 79th St, Miami, Fla	PL9-0300
Me	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
Md	C H Newson & Associates	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
Mass	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
NH	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
NM	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NM	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NY	S R Morrow Co	P.O. Box 336, Chatham, NJ	ME5-8549
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Pa	C H Newson & Associates	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
RI	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
Tex	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
Vt	Mosher & Peyser Co	945 Great Plain Ave, Needham, Mass	HI4-1400
	BRIDGEPORT BRASS CO	**30 Grand St, Bridgeport, Conn**	**ED4-1182**
Cal	Bridgeport Brass Co	6500 E. Flotilla St, Los Angeles 22, Cal	RA3-5101
Cal	Bridgeport Brass Co	1122 4th Ave, San Diego 1, Cal	BE4-7271
Cal	Bridgeport Brass Co	130 Potrero Ave, San Francisco, Cal	UN1-2551
Colo	Bridgeport Brass Co	77 Lipan St, Denver 23, Colo	CH4-3308
DC	Bridgeport Brass Co	777 14th St, N.W., Washington 5, DC	EX3-7433
Fla	Bridgeport Brass Co	14000 N.W. 19th Ave, Miami, Fla	MU8-9631
Fla	Bridgeport Brass Co	Box 13947, Interbay Sta, Tampa, Fla	67-6931
Ga	Bridgeport Brass Co	800 Peachtree St, Atlanta 8, Ga	TR6-5797
Ill	Bridgeport Brass Co	3453 W. 47th Pl, Chicago 32, Ill	LA3-2230
Ill	Bridgeport Brass Co	401 E. State St, Rockford, Ill	WO2-5589
Ind	Bridgeport Brass Co	S. Holt Rd, Indianapolis, Ind	CH4-2461
Iowa	Bridgeport Brass Co	1620 9th St, N.W., Cedar Rapids, Iowa	EM5-5344
Kan	Bridgeport Brass Co	307 1/2 Laura St, Wichita 11, Kan	FO3-1912
Ky	Bridgeport Brass Co	4016 Frankfort Ave, Louisville 7, Ky	TW5-3478
La	Bridgeport Brass Co	6453 Choctaw Dr, Baton Rouge 8, La	EL7-9805
Mass	Bridgeport Brass Co	808 Memorial Dr, Cambridge, Mass	UN4-9371
Mich	Bridgeport Brass Co	1450 E. Beecher St, Adrian, Mich	CO5-5161
Mich	Bridgeport Brass Co	15827 James Couzens Hwy, Detroit, Mich	UN4-8032
Mich	Bridgeport Brass Co	200 Federal Sq Bldg, Grand Rapids, Mich	GL4-9545
Minn	Bridgeport Brass Co	124 12th Ave, S., Minneapolis 15, Minn	FE9-7061
Minn	Bridgeport Brass Co	2147 University Ave, St. Paul 14, Minn	MI5-3909
Mo	Bridgeport Brass Co	4538 J C Nichols Pkwy, Kansas City, Mo	LO1-7830
Mo	Bridgeport Brass Co	2135 Delmar Blvd, St. Louis 3, Mo	CE1-0076
NJ	Bridgeport Brass Co	1240 Central Ave, Hillside, NJ	BI3-0044
NY	Bridgeport Brass Co	3580 Harlem Rd, Buffalo 15, NY	AT4010
NY	Bridgeport Brass Co	48-49 33rd St, Long Island City, NY	EX2-4290
NY	Bridgeport Brass Co	11 N. Goodman St, Rochester 7, NY	BR1-6520
NY	Bridgeport Brass Co	112 DeWitt St, Syracuse 3, NY	GR4-1094
NC	Bridgeport Brass Co	233 1/2 N. Greene St, Greensboro, NC	BR4-8483
Ohio	Bridgeport Brass Co	364 W. Bowery St, Akron 7, Ohio	BL3-8106
Ohio	Bridgeport Brass Co	1423 E. McMillan, Cincinnati 6, Ohio	UN1-7790
Ohio	Bridgeport Brass Co	1921 E. 119th St, Cleveland 6, Ohio	CE1-5180
Ohio	Bridgeport Brass Co	1221 Wilmington Ave, Dayton 20, Ohio	AX8-7331
Okla	Bridgeport Brass Co	619 S. Main St, Tulsa, Okla	LU5-8838
Pa	Bridgeport Brass Co	918 E. Lycoming, Philadelphia 24, Pa	JE5-3900
Pa	Bridgeport Brass Co	618 Swissvale Ave, Pittsburgh 21, Pa	FR1-2851
RI	Bridgeport Brass Co	177 Georgia Ave, Providence 5, RI	WI1-2100
Tenn	Bridgeport Brass Co	648 Riverside Dr, Memphis 3, Tenn	JA5-0347
Tex	Bridgeport Brass Co	1371 Crampton St, Dallas 7, Tex	RI1-4859
Tex	Bridgeport Brass Co	3815 Richmond Ave, Houston 27, Tex	WO7-9116
Va	Bridgeport Brass Co	1521 Central, Richmond, Va	MI5-2710
Wash	Bridgeport Brass Co	607 3rd Ave, Seattle 4, Wash	MA4-2860
Wisc	Bridgeport Brass Co	4608 W. Burleigh, Milwaukee 10, Wisc	HI5-5654
Canada	Noranda Copper & Brass Ltd	Montreal, Canada	
	BRIDGEPORT INSULATED WIRE CO	**57 Brookfield Ave, Bridgeport 8, Conn**	**ED3-3191**
Cal	Robert G Moye Co	116 Stoneham Ave, Alhambra, Cal	CU3-1669
Conn	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
Del	Ned Krouse	12-C Parkway Apts, Haddonfield, NJ	
Ind	Carl H Schmidt Co	16405 W. 8 Mile Rd, Detroit 35, Mich	BR3-8500
Me	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
Md	Ned Krouse	12-C Parkway Apts, Haddonfield, NJ	
Mass	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
Mich	Carl H Schmidt Co	16405 W. 8 Mile Rd, Detroit 35, Mich	BR3-8500
NH	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
NJ	Arnold R Andrews	43 Kent Rd, Tenafly, NJ	LO9-0037
NY	Arnold R Andrews	43 Kent Rd, Tenafly, NJ	LO9-0037
Pa	Ned Krouse	12-C Parkway Apts, Haddonfield, NJ	
RI	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
Vt	Carl Pfannkuch	209 Lawrence Rd, Trumbull, Conn	AM8-1366
Va	Ned Krause	12-C Parkway Apts, Haddonfield, NJ	
W.Va	Ned Krause	12-C Parkway Apts, Haddonfield, NJ	
	BRIGGS ASSOCIATES INC	**10 DeKalb St, Norristown, Pa**	**EB9-8400**
Cal	Pacific Scientific Co	P.O.Box 22019, Los Angeles, Cal	
	BRIGHT STAR INDUSTRIES	**600 Getty Ave, Clifton, NJ**	**GR1-3200**
Cal	Bright Star Industries	1355 Market St, San Francisco, Cal	MA1-3956
Cal	H H Rantzow	45 Scotia Ave, San Francisco, Cal	JU7-3278
Cal	L Rachmiel	342 E. Orlando, Covina, Cal	EO1-5141
Colo	R & M Sales Co	2214 S. Clayton St, Denver 10, Colo	SP7-2515
Ga	Bright Star Industries	171 Simpson St, N.W., Atlanta, Ga	MU8-3191
Ill	Bright Star Industries	549 W. Washington Blvd, Chicago, Ill	DE2-5932
Ill	D E Breske	107 Green Ln, Carpentersville, Ill	HA6-6616
Ill	William H Held	4434 N. Damen Ave, Chicago, Ill	BR5-2054
Md	R F O'Neill	304 Chalmers Ave, Ferndale, Md	
Mass	A J Pothier	27 Standish Rd, Wellesley Hills, Mass	CE7-9609
NJ	R C Schmidt	602 Ridgeland Terr, Englewood, NJ	LO8-3704
NJ	F P Wolffe	138 Cooper Ave, Upper Montclair, NJ	PI4-8720
NY	H Zieperman	21 Dennis Ln, Beth Page, NY	PE1-8879
Ohio	E O Likes	4162 Canterbury Rd, North Olmsted, Ohio	SP7-5948
Pa	R J Lyons	6401 Lawnton Ave, Philadelphia, Pa	WA7-2629
Tex	Bright Star Industries	106 Express St, Dallas, Tex	RI8-6145
	BRILMAYER LABS INC., E W	**86 Fulton St, New York 38, NY**	**BE3-7914**
Cal	R A Roosevelt Co	12806 Biola Ave, Los Angeles, Cal	
Cal	Power-Mac Corp	467 S. Van Ness Ave, San Francisco	
Del	Edward A LeVay Co	120 W. 25th St, Baltimore, Md	
Idaho	C K Brown & Associates	435 Shoshone St, Twin Falls, Idaho	
Ill	Norman Chivas	633 S. La Grange Rd, La Grange, Ill	
La	Betz Engineering Sales Co	1719 Toledano St, New Orleans, La	
Md	Edward A LeVay Co	120 W. 25th St, Baltimore, Md	
Mich	Garrett Burgess Inc	4660 Oakman Blvd, Detroit, Mich	
Minn	Ritchie Engineering Co	2910 Lyndale Ave, S., Minnpls, Minn	
NY	Sanders Industrial Equip Co	15 Albright Ave, Albany, NY	
NY	Lasher & Schaub Associates	239 Genesee St, Utica, NY	
Ohio	Merrifield Co	730 Brooks Ave, Cincinnati, Ohio	
Ore	Fred G Greaves Co	404 Concord Bldg, Portland, Ore	
Pa	B C Klingensmith Sales Co	340 Arbuckle Rd, Erie, Pa	
Pa	Thos A Collier Co	Western Savings Bldg, Philadelphia, Pa	
Tex	Frank Haile & Associates	2650 Freewood Dr, Dallas, Tex	
Utah	C K Brown & Associates	366 31st St, Ogden, Utah	
Va	Edward A LeVay Co	120 W. 25th St, Baltimore, Md	
Wash	Fred G Greaves Co	418 8th Ave, N., Seattle, Wash	
	BRISTOL BRASS CORP., R P	**580 Broad St, Bristol, Conn**	**LU2-3161**
Ill	Bristol Brass Corp	2800 S. 61st Ct, Cicero 50, Ill	BI2-3000
Mass	Bristol Brass Corp	30 Huntington Ave, Boston 16, Mass	CO7-4142
Mich	Bristol Brass Corp	644 N. Woodward, Birmingham, Mich	MI6-7133
NY	Bristol Brass Corp	2000 Military Rd, Buffalo 5, NY	VI6700
NY	Bristol Brass Corp	580 Broad St, New York, NY	BA7-8292
NY	Bristol Brass Corp	314 Hollenbeck St, Rochester 1, NY	CO6-6560
NY	Bristol Brass Corp	Thompson Rd, Syracuse 1, NY	HO3-3341
Ohio	Bristol Brass Corp	1448 E. 49th St, Cleveland 3, Ohio	EX1-5612
Ohio	Bristol Brass Corp	1607 S. Broadway, Dayton 8, Ohio	BA8-8185
Pa	Bristol Brass Corp	Box 93, Springfield, Pa	RI6-8324
Pa	Bristol Brass Corp	1699 Washington Rd, Pittsburgh 28, Pa	LO3-2122
	BRISTOL CO	**Box 1790EBG, Waterbury 20, Conn**	**PL6-4451**
Ala	Bristol Co	Comer Bldg, Birmingham 3, Ala	AL1-0034
Cal	Bristol Co	6800 E. Acco St, Los Angeles 22, Cal	RA3-9751
Cal	Bristol Co	Bank of Amer Bldg, San Diego 1, Cal	BE2-0411
Cal	Bristol Co	40 Berry St, San Francisco 7, Cal	GA1-5462
Colo	Bristol Co	4555 E. 46th Ave, Denver 16, Colo	DE3-6228
Conn	Bristol Co	Hartford	EN4050
Del	Bristol Co	Delaware Trust Bldg, Wilmington, Del	GL4-1183
DC	Bristol Co	Washington, DC	RE7-0655
Ga	Bristol Co	Healey Bldg, Atlanta 3, Ga	JA2-7607
Ill	Bristol Co	351 E. Ohio St, Chicago 11, Ill	WH4-2190
Ind	Bristol Co	Box 55294 Uptown Sta, Indianapolis 5	WA4-4343
Iowa	Bristol Co	Kahl Bldg, Davenport, Iowa	2-2624
La	Bristol Co	Delta Bldg, New Orleans 12, La	MA5522
Md	Bristol Co	5439 Harford Rd, Baltimore 14, Md	HA6-5766
Mass	Bristol Co	Statler Bldg, Boston 16, Mass	HU2-1728
Mich	Bristol Co	10329 W. McNichols Rd, Detroit 21, Mich	UN4-4284
Minn	Bristol Co	Plymouth Bldg, Minneapolis, Minn	FE3-0714
Mo	Bristol Co	Crawford Bldg, Kansas City, Mo	HA1-7901
Mo	Bristol Co	Cotton Belt Bldg, St. Louis 2, Mo	CH1-7892
NJ	Bristol Co	744 Broad St, Newark, NJ	MI2-6823
NY	Bristol Co	1807 Elmwood Ave, Buffalo 7, NY	DE3754
NY	Bristol Co	250 W. 57th St, New York 19, NY	CI5-4953
NY	Bristol Co	Syracuse	EN9745
NC	Bristol Co	Box 3180, Charlotte, NC	FR5-7658
Ohio	Bristol Co	Akron	EM4146
Ohio	Bristol Co	Box 2512, Cincinnati 37, Ohio	EL1-0328
Ohio	Bristol Co	8905 Lake Ave, Cleveland 2, Ohio	AT1-6924
Ohio	Bristol Co	101 N. High St, Columbus 15, Ohio	CA1-6133
Ohio	Bristol Co	627 Salem Ave, Dayton 6, Ohio	CR7-2442
Okla	Bristol Co	Mayo Bldg, Tulsa 3, Okla	LU4-2178
Ore	Bristol Co	1233 N.W. 12th Ave, Portland 9, Ore	CA7-3112
Pa	Bristol Co	Market St, Natl Bk Bldg, Philadelphia 7	RI6-2386
Pa	Bristol Co	2250 Noblestown Rd, Pittsburgh 5, Pa	WA2-2100
Tenn	Bristol Co	Box 202, Knoxville, Tenn	5-6992
Tex	Bristol Co	Interurban Bldg, Dallas	RI2-4052
Tex	Bristol Co	3617 W. Alabama St, Houston 27, Tex	WO7-6509
Utah	Bristol Co	138 S. Second E., Salt Lake City 1, Utah	EL5-0276
Wash	Bristol Co	Jones Bldg, Seattle 1, Wash	MA3-3361
W. Va	Bristol Co	Box 1841, Charleston 27, W. Va	DI6-6472
Wisc	Bristol Co	735 N. Water St, Milwaukee 2, Wisc	BR6-4393
	BRISTOL MCTOR DIV VOCALINE CO of AMER	**Old Saybrook, Conn**	**EV8-3414**
Ala	Al Flaugher	305 N. 90th St, Birmingham, Ala	VE3-5231
Cal	J F Cady Co	1485 Bayshore Blvd, San Francisco, Cal	JU5-4108
Cal	C E Mello	405 S. Main St, L A, Cal	MA6-9159
Colo	Mel Pearson & Co	1860 S. Acoma, Denver, Colo	
Conn	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
Del	R L Wilkinson Inc	707 Stevenson Ln, Towson, Md	VA3-7800
DC	R L Wilkinson Inc	707 Stevenson Ln, Towson, Md	VA3-7800
Fla	Al Flaugher	305 N. 90th St, Birmingham, Ala	VE3-5231
Ga	Al Flaugher	305 N. 90th St, Birmingham, Ala	VE3-5231
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago, Ill	UP8-0653
Ill	Wells White Co	6625 Delmar Blvd, St. Louis, Mo	PA7-7622
Ind	Wells-White Co	6625 Delmar Blvd, St. Louis, Mo	PA7-7622
Kan	Wells-White Co	6625 Delmar Blvd, St. Louis, Mo	PA7-7622
Me	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
Md	R L Wilkinson Inc	707 Stevenson Ln, Towson, Md	VA3-7800
Mass	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
Mich	L H Dickelman Co	18450 Livernois Ave, Detroit, Mich	
Mo	Wells White Co	6625 Delmar Blvd, St. Louis, Mo	PA7-7622
NH	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
NJ	Frank Ames Inc	Nutley Sun Bldg, Nutley, NJ	NU2-7332
NY	Frank Ames Inc	Nutley Sun Bldg, Nutley, NJ	NU2-7332
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo, NY	BE3757
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas, Tex	EM1-1765
Ore	J F Cady Co	1485 Bayshore Blvd, San Francisco, Cal	JU5-4108
Pa	R L Wilkinson Inc	707 Stevenson Ln, Towson, Md	VA3-7800
RI	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
Tex	Koch Engineering & Sales	309 Meadows Bldg, Dallas, Tex	EM1-1765
Utah	J F Cady Co	1485 Bayshore, San Francisco, Cal	JO5-4108
Vt	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4482
Va	R L Wilkinson Inc	707 Stevenson Ln, Towson, Md	VA3-7800
Wash	J F Cady Co	1485 Bayshore Blvd, San Francisco, Cal	JU5-4108
Wisc	Jay C Angel & Co	2743 W. Peterson Ave, Chicago, Ill	UP8-0683
	BRITISH RADIO ELECTRONICS LTD	**1833 Jefferson Pl, N.W., Wash 6, DC**	**FE8-1520**
	BRITTON ELECTRONICS CORP	**19 Warren Pl, Mt. Vernon, NY**	**OW9-3311**
Cal	Nickerson-Gray Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Conn	Henry P Segel Co	386 Washington St, Brookline, Mass	BE2-7525
Del	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Kan	John Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Me	Henry P Segel Co	386 Washington St, Brookline, Mass	BE2-7525
Mass	Henry P Segel Co	386 Washington St, Brookline, Mass	BE2-7525
Mo	John Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Nev	John Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
NH	Henry P Segel Co	386 Washington St, Brookline, Mass	BE2-7525
NJ	Saffler Associates	157 W. 57 St, New York, NY	CI7-3855

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NY	Saffier Associates	157 W. 57th St, New York, NY	CI7-3855
NY	Willgold Electronic Sales	100 N. Village Ave, Rockville Centre, NY	RO4-4022
NY	Joseph Lind	100 East Ave, Rochester, NY	BR1-5858
Okla	John Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Pa	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
RI	Henry P Segel Co	386 Washington St, Brookline 46, Mass	BE2-7525
Tex	John Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Vt	Henry P Segel Co	386 Washington St, Brookline, Mass	BE2-7525
Canada	W Cohen Ltd	8900 Tanguay St, Montreal, Canada	
	BROADCAST EQPT SPECIALTIES CORP	**P.O. Box 149, Beacon, NY**	**TW6-6276**
	BROCKER LABORATORIES	**935 Commercial St, Palo Alto, Cal**	**DA1-3113**
Cal	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	MU1-4511
Cal	G H Vaughan Co	P.O.Box 1253, Palo Alto, Cal	DA1-1347
	BROOKFIELD WIRE CO., INC	**Brookfield, Mass**	**YO7-6474**
	BROOKS & PERKINS INC	**1950 W. Fort St, Detroit 16, Mich**	**TA5-5900**
DC	Brooks & Perkins Inc	1632 K St, N.W., Washington 6, DC	ST3-7792
NY	Brooks & Perkins Inc	1708 Americas Bldg, New York 20, NY	CI6-3580
Ohio	T H Orndoff	Talbott Tower, Dayton, Ohio	AX3-8601
	BROWN-BRIDGE MILLS INC	**E. Water St, Troy, Ohio**	**FE2-1266**
Cal	Sheridan Treis	420 Market St, San Francisco, Cal	YU2-2665
Colo	William D Eldred	1465 Boston St, Denver 8, Colo	EM4-3433
Ill	Corey-Gridley	608 S. Dearborn St, Chicago 5, Ill	WA2-6759
Mo	Tom S Rowlett	4378 Lindell Blvd, St. Louis 8, Mo	FR1-4942
NY	Rowlett-Donahue	6 E. 45th St, New York 17, NY	MU7-0320
Pa	Richard J Crane	215 Ford Rd, Bala Cynwyd, Pa	MO4-3906
Tex	Marion F Stanley	3909 Clayton Rd, W., Ft. Worth, Tex	PE7-6596
	BROWN LTD., S G	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Aldis Brothers Ltd		
	BROWNE & SHAW CO., INC	**751 Main St, Waltham 54, Mass**	**TW3-1346**
	BROWNING LABS INC	**100 Union Ave, Lacoste, NH**	
	BRUEL & KJAER	**Lindevolle 23, Nourum, Denmark**	**800500**
Ala	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Cal	Howard & Co	Box 506, S. San Francisco, Cal	JU9-2062
Cal	B & K Instruments Inc	9304 Santa Monica Blvd, Beverly Hills	CR1-1311
Colo	Barnhill Associates	1170 S. Sheridan, Denver, Colo	WE5-4646
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	S S Lee Associates Inc	Box 7896, Orlando, Fla	CH1-4445
Ill	Gent T Clears Co	435 Indianwood Blvd, Park Forest, Chicago	PI8-2359
Md	S S Lee Associates Inc	Box 205, Baltimore, Md	VA3-3434
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Mich	Electro Sales Associates	36500 Weideman Rd, Detroit, Mich	HO6-2461
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Mo	Lee Mark Associates	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Mont	Lee Mark Associates	Box 8467, Kansas City, Mo	NI2-3313
NJ	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ	MU8-6100
NM	Barnhill Associates	8310 Collier Ave, Albuquerque, NM	AX9-7957
NY	db Associates	Box 284, Syracuse, NY	GI6-0220
NC	S S Lee Associates Inc	Box 906, Winston-Salem, NC	ST6-0431
Ohio	Electro Sales Associates	281 E. 215th St, Cleveland, Ohio	RE2-7444
Ohio	Electro Sales Associates	Box 143, Dabel Sta, Dayton, Ohio	CH4-5551
Ohio	B & K Instruments Inc	3044 W. 106th St, Cleveland 11, Ohio	CL1-8430
Pa	V A Snyder Co., Inc	1424 Race St, Philadelphia, Pa	WA2-0634
Tex	Ecklund Electronic Sales Co	Box 12151, Ft. Worth, Tex	PE8-9773
Utah	Barnhill Associates	207 N. 4th E., Salt Lake City, Utah	EL5-5101
Wash	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
	BRUNING CO., INC., CHARLES	**1800 Central Rd, Mt. Prospect, Ill**	**WH4-5566**
Ariz	Charles Bruning Co., Inc	1312 N. Central Ave, Phoenix, Ariz	
Cal	Charles Bruning Co., Inc	855 Cahuenga Blvd, Los Angeles 38, Cal	
Cal	Charles Bruning Co., Inc	75 Industrial St, San Francisco 24, Cal	
Colo	Charles Bruning Co., Inc	352 Santa Fe Dr, Denver, Colo	
Conn	Charles Bruning Co., Inc	49 Bridgeport Ave, Devon, Conn	
DC	Charles Bruning Co., Inc	2311 M St, N.W., Washington 7, DC	
Ga	Charles Bruning Co., Inc	411 Williams St, N.W., Atlanta 3, Ga	
Hawaii	Charles Bruning Co., Inc	317 Kamakee St, Honolulu 14, Hawaii	
Ill	Charles Bruning Co., Inc	300 W. Congress Pkwy, Chicago 7, Ill	
Ill	Charles Bruning Co., Inc	724 Broadway, Rockford, Ill	
Ind	Charles Bruning Co., Inc	1915 W. 18 St, Indianapolis, Ind	
Kan	Charles Bruning Co., Inc	608 E. Central St, Wichita, Kan	
La	Charles Bruning Co., Inc	540 S. Broad St, New Orleans 18, La	
Md	Charles Bruning Co., Inc	650 N. Point Rd, Baltimore 5, Md	
Mass	Charles Bruning Co., Inc	965 Commonwealth Ave, Boston 15, Mass	
Mich	Charles Bruning Co., Inc	2335 E. Grand Blvd, Detroit 11, Mich	
Mo	Charles Bruning Co., Inc	2546 Broadway, Kansas City 8, Mo	
Mo	Charles Bruning Co., Inc	2625 Olive St, St. Louis 3, Mo	
NJ	Charles Bruning Co., Inc	125 North St, Teterboro, NJ	
NY	Charles Bruning Co., Inc	100 Church St, New York 7, NY	
NY	Charles Bruning Co., Inc	796 Linden Ave, Rochester 10, NY	
Ohio	Charles Bruning Co., Inc	1815 St. Clair Ave, Cleveland 14, Ohio	
Ohio	Charles Bruning Co., Inc	233 E. Helena St, Dayton, Ohio	
Okla	Charles Bruning Co., Inc	809 N.W. 2nd St, Oklahoma City 2, Okla	
Ore	Charles Bruning Co., Inc	2136 S.W. 5 Ave, Portland 1, Ore	
Pa	Charles Bruning Co., Inc	7790 Dungan Rd, Philadelphia 11, Pa	
Pa	Charles Bruning Co., Inc	921 Ridge Ave, Pittsburgh 12, Pa	
Tex	Charles Bruning Co., Inc	1936 McKinney at Harwood, Dallas 1, Tex	
Tex	Charles Bruning Co., Inc	3522 Polk Ave, Houston 1, Tex	
Va	Charles Bruning Co., Inc	1508 Belleville St, Richmond 30, Va	
Wash	Charles Bruning Co., Inc	5901-4 Ave, S., Seattle 8, Wash	
Wisc	Charles Bruning Co., Inc	530 N. 9th St, Milwaukee 3, Wisc	
	BRUNO-NY INDUSTRIES CORP	**460 W. 34 St, New York 1, NY**	**LO4-5930**
	BRUNSWICK INSTRUMENTS	**P.O. Box 813, New Brunswick, NJ**	**CH7-5919**
	BRUSH BERYLLIUM CO	**4301 Perkins Ave, Cleveland 3, Ohio**	**EN1-5400**
	BRUSH INSTRUMENTS DIV OF CLEVITE CORP	**37th & Perkins, Cleveland 14, Ohio**	**EN1-3315**
Ala	W A Brown & Associates	3405 Lookout Dr, S.E., Huntsville, Ala	JE6-8393
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Cal	Brush Instruments div of Clevite Corp	1960 S. La Cienega Blvd, Los Angeles	UP0-7517
Cal	Brush Instruments div of Clevite Corp	61 Renato Ct, Redwood City, Cal	EM9-5581
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Fla	W A Brown & Associates Inc	711 Magnolia Dr, Orlando, Fla	GA5-5682
Fla	W A Brown & Associates Inc	201 Cayron Rd, Indian River City, Fla	1086
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 49, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis, Ind	FL6-4249
Mass	Brush Instruments div of Clevite Corp	677 Worcester St, Natick, Mass	OL3-8850
Mich	Satullo Co., The	4512 N. Woodward, Royal Oak, Mich	JO6-2375
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn	LI5-4481
Mo	Lee Mark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Mo	Lee Mark Associates	4021 W. 86th St, Kansas City, Mo	NI2-3313
NY	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NY	Burlingame Associates Ltd	514 University Bldg, Syracuse, NY	GR4-7409
NC	W A Brown & Associates Inc	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Pa	Burlingame Associates Ltd	222 Long Ln, Upper Darby, Pa	SH7-9080
Utah	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Va	Brush Instruments div of Clevite Corp	561-23rd St, S., Arlington 7, Va	OT4-5912
Wash	Brush Instruments div of Clevite Corp	Boeing Field, Administration Bldg, Seattle	PA3-8814
Canada	Bayly Engineering Ltd	Hunt St, Ajax, Toronto, Ontario, Canada	AJ118
Canada	Bayly Engineering Ltd	48 Sparks St, Ottawa, Ontario, Canada	CE2-9821
	BRYANT COMPUTER PRODUCTS BRYANT CHUCKING & GRINDER CO	**Box 620, Springfield, Vt**	**TU5-2141**
Ariz	H W Ruby Associates	P.O. Box 53, LaCanada, Cal	MU1-5845
Ariz	T Foley	12200 S. Bellflower, Downey, Cal	TO1-9258
Cal	H W Ruby Associates	P.O. Box 53, La Canada, Cal	MU1-5845
Cal	T Foley	12200 S. Bellflower, Downey, Cal	TO1-9258
Conn	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Del	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
DC	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Ill	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
Ind	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
Mass	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Mich	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
Minn	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
NY	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Ohio	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
Pa	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Tex	Bryant Computer Products	5454 W. Higgins Ave, Chicago, Ill	
	BUCHANAN ELECTRICAL PRODUCTS CORP	**525 US 22, Hillside, NJ**	**WA3-7474**
Ala	Belcher & Associates Inc	512 N. 18th St, Birmingham 3, Ala	FA2-1733
Cal	Frank Rozema	412 Seaton St, Los Angeles 13, Cal	MA9-3855
Colo	Fred A Pease Co	4921 E. 38th St, Denver 7, Colo	DU8-4643
Fla	Belcher & Associates Inc	8751 Atlantic Blvd, Jacksonville 11, Fla	RA4-7811
Ga	Belcher & Associates Inc	68 Peachtree St, N.W., Atlanta 3, Ga	JA5-4221
Ill	Donald E Anderson	600 W. Jackson Blvd, Chicago 6, Ill	AN3-7020
Ind	William E Jobes	1242 E. 90th St, Indianapolis 20, Ind	VI6-1110
Iowa	Buxler-O'Dougherty Co	1019 W. Broadway, Council Bluffs, Iowa	2-0465
Iowa	Buxler-O'Dougherty Co	1004 Grand Ave, Des Moines 9, Iowa	AT2-2825
Md	Victor E Lawrence	5202 Emerson Ave, Hyattsville, Md	AP7-5855
Mass	John R Hauthaway	23 Glendale Rd, Quincy 69, Mass	GR2-5802
Mich	Horton Electric Sales	13545 Memorial Ave, Detroit 27, Mich	VE8-1452
Minn	McCulloch Sales Co	714 Portland Ave, Minneapolis 15, Minn	FE2-3644
Mo	Charles L Arehart	5316 Garfield St, Kansas City 30, Mo	DE3-0609
NJ	Waldron Sales Engineering Co	669 Irvington Ave, Newark 6, NJ	ES4-0074
NY	Kenneth W Todd	101 Park Ave, New York 17, NY	MU3-4555
NC	Samuel T Gantt	612 S. Summit Ave, Charlotte 8, NC	ED2-6789
Ohio	Pogue C Sherrill	P.O. Box 1623, Cincinnati 1, Ohio	BE1-9794
Ohio	Horton Electric Sales	5045 Harper Rd, Cleveland 39, Ohio	CH8-1909
Ore	Keeler White-Portland	322 N.W. Fourth Ave, Portland 9, Ore	CA7-0593
Pa	William J Cusick	220 Quarry St, Philadelphia 6, Pa	MA7-6424-25
Pa	John R Schmidt	1420 Western Ave, Pittsburgh 33, Pa	FA2-2735
Tenn	W L Clinton & Associates	173 S. Cooper St, Memphis 4, Tenn	BR4-1744
Tex	W L Clinton & Associates	P.O. Box 2964, Houston 1, Tex	FA3-2701
Wash	Keeler White Inc	1041 Sixth Ave, S., Seattle 4, Wash	MA3-2367
	BUCK ENGINEERING CO., INC	**43 Mercy St, Freehold, NJ**	**HO2-1111**
	BUCKBEE MEARS CO	**Tosi Bldg, St. Paul, Minn**	**CA7-6371**
	BUD RADIO INC	**2118 E. 55th St, Cleveland 3, Ohio**	**HE1-7166**
Ala	Cartwright & Bean Co	625 Harwyn Dr, Charlotte, NC	FR6-8648
Ariz	Jack Berman Co., Inc	8146 N. First Ave, Phoenix, Ariz	WH5-9321
Ark	Cartwright & Bean Co	625 Harwyn Dr, Charlotte, NC	FR6-8648
Cal	Jack Berman Co., Inc	1141 S. LaCienega Blvd, Los Angeles	OL5-8920
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Colo	R G Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Conn	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Del	Harold A Moyer Co	152 Merion Ave, Haddonfield 14, NJ	HA9-7792
DC	Harold A Moyer Co	152 Merion Ave, Haddonfield 14, NJ	HA9-7792
Fla	Cartwright & Bean Co	20100 N.E., 25th Ct, N. Miami Beach, Fla	
Ga	Cartwright & Bean Co	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ill	Bruce Cumming & Associates Inc	6029 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Ill	Jack Kelly Sales Co	972 N. Geyer Rd, Kirkwood 22, Mo	TA2-1791
Ind	Southern Sales Co	Lakeshore Dr, Angola, Ind	777
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Ky	Southern Sales Co	Lakeshore Dr, Angola, Ind	777
La	Cartwright & Bean Co	821 Pontalba St, New Orleans, La	AU2264
Me	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Md	Harold A Moyer Co	152 Merion Ave, Haddonfield 14, NJ	HA9-7792
Mass	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Mich	Jack M Thorpe	640 Hidden Ln, Detroit 36, Mich	TU4-4360
Minn	Clark R Gibb Co., The	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	Cartwright & Bean Co	20100 N.E. 25th Ct, N. Miami Beach, Fla	
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Mo	Jack Kelly Sales Co	972 N. Geyer Rd, Kirkwood 22, Mo	TA2-1791
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Nev	Jack Berman Co., Inc	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
NH	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
NJ	Harold A Moyer Co	152 Merion Ave, Haddonfield 14, NJ	HA9-7792
NM	R G Bowen Co., Inc	2228A San Mateo Blvd N.E., Albuquerque	AL5-4603
NY	Marsey Sales Co., The	529 Merchants Rd, Rochester, NY	HU2-4133
NY	Willgold Electronic Sales Corp	100 N. Village Ave, Rockville Centre, NY	
NC	Cartwright & Bean Co	625 Harwyn Dr, Charlotte, NC	FR6-8648
ND	Lund & Co	2215 N. Olive, Dallas 1, Tex	RI8-8839
Ohio	Robert K Deunk & Associates	10005 Chippewa Rd, Brecksville, Ohio	JA6-4317
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Okla	Lund & Co	2215 N. Olive, Dallas 1, Tex	RI8-8839
Ore	Don H Burcham Co	510 N.W. 19th St, Portland 9, Ore	CA7-3830
Pa	Robert K Deunk & Associates	10005 Chippewa Rd, Brecksville, Ohio	JA6-4317
Pa	Marsey Sales Co., The	529 Merchants Rd, Rochester, NY	HU2-4133
RI	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
SC	Cartwright & Bean Co	625 Harwyn Dr, Charlotte, NC	FR6-8648
SD	Clark R Gibb Co., The	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Tenn	Cartwright & Bean Co	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Lund & Co	2215 N. Olive, Dallas 1, Tex	RI8-8839
Utah	R G Bowen Co., Inc	5175 S. 4660 W., Kearns, Utah	
Vt	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Va	Cartwright & Bean Co	625 Harwyn Dr, Charlotte, NC	FR6-8648
Wash	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash	AT4-7297
W.Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Wisc	Bruce Cumming & Associates, Inc	4852 N. 24th St, Milwaukee 9, Wisc	UP3-1381
Wyo	R G Bowen Co., Inc	5175 S. 4660 W., Kearns, Utah	
Foreign	Roburn Agencies Inc	431 Greenwich St, New York 13, NY	WO6-2130
	BUDD CO	**2650 Hunting Park Ave, Phila 32, Pa**	**BA5-9100**
	BUDD LEWYT ELECTRONICS INC	**43-22 Queens St, Long Island City, NY**	**EX2-5050**
NY	Budd Lewyt Electronics Inc	225 Washington St, Rome, NY	RO3854
Ohio	Budd Lewyt Electronics Inc	379 W. First St, Dayton, Ohio	BA3-7361
	BUDD STANLEY CO., INC	**43-01 22 St, Long Island City 1, NY**	
	BUDELMAN ELECTRONICS CORP	**375 Fairfield Ave, Stamford, Conn**	**FI8-9231**
Cal	Golsan Co	1421 S. Flower St, Los Angeles, Cal	
Colo	Empire Telectronics	Arvada, Colo	
Me	Somerset Telephone & Supply Co	North Anson, Me	
Mont	Engineering Service, The	P.O. Box 178, Butte, Mont	
Ohio	Buckeye Telephone & Supply Co	1250 Kinnear Rd, Columbus 21, Ohio	
Okla	J W Flint	325 Virginia, Ponca City, Okla	
Tex	Nelson Electric Supply Co	1123 Slocum St, Dallas 7, Tex	
Wash	Harold H Switzer	E. 3918 Hartson Ave, Spokane 31, Wash	
Wash	A G Simpson	840 Daley St, Edmonds, Wash	
World-Wide	Westrex Corp	111 8th Ave, New York 11, NY	
Canada	Tele-Radio Systems Ltd	3534 Dundas St, W., Toronto 9, Ontario, Canada	
	BUFFALO ELECTRONICS CORP	**37 Franklin St, Buffalo 2, NY**	
	BUGGIE, H H DIV BURNDY CORP	**Box 817, Toledo 1, Ohio**	**OX1-2411**
Ala	Charles W Kinsley Co	Times Bldg, Huntsville, Ala	JE4-7304
Ariz	Earl S Gordon Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU1-3951
Ark	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Cal	Earl S Gordon Co	3450 Wilshire Blvd, L A 5, Cal	DU1-3951
Cal	Aerol Associates Inc	1177 University Dr, Menlo Park, Cal	DA1-1014
Colo	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Conn	J J Costello Co	P.O. Box 88, New Haven 1, Conn	MA4-4491
Del	Bradley Co., Inc	3341 Arch St, Philadelphia 4, Pa	EV2-4040
DC	Bradley Co., Inc	P.O. Box 1928, Wash 13, DC	RE7-1300
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	CE3-9944
Idaho	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0443
Ill	Burndy Midwest Inc	6030 Northwest Hwy, Chicago 31, Ill	SP4-1464
Ind	Burndy Midwest Inc	6030 Northwest Hwy, Chicago 31, Ill	SP4-1464
Ind	Burndy Of Ohio Inc	1433 E. McMillan St, Cincinnati 6, Ohio	PL1-1611
Iowa	Burndy Midwest Inc	6030 Northwest Hwy, Chicago 31, Ill	SP4-1464
Iowa	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Kan	Aerol Associates Inc	6631 E. Kellogg, Wichita 7, Kan	MU3-7421
Ky	Burndy Of Ohio Inc	1433 E. McMillan, Cincinnati 6, Ohio	PL1-1611
La	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Me	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
Md	Bradley Co., Inc	3341 Arch St, Philadelphia 4, Pa	EV2-4040
Md	Bradley Co., Inc	P.O. Box 1928, Washington 13, DC	RE7-1300
Mass	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
Minn	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis	FE9-4851
Mont	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0443
Neb	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Nev	Earl S Gordon Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU1-3951
Nev	Aerol Associates Inc	1177 University Dr, Menlo Park, Cal	DA1-1014
NH	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
NJ	Burndy Corp	2 Penn Pl, Pelham, NY	LU4-9300
NJ	Bradley Co., Inc	3341 Arch St, Philadelphia 4, Pa	EV2-4040
NM	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
NY	Burndy Corp	2 Penn Pl, Pelham, NY	LU4-9300
NY	Vincent J Brown Co	564 Ellicott Sq Bldg, Buffalo 3, NY	CL1122
NY	Vincent J Brown Co	P.O. Box 142, Eastwood Sta, Syracuse 6	HO3-9161
NC	Glenn & Larson of Carolina Inc	1321 E. Morehead St, Charlotte 3, NC	ED4-3994
ND	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Ohio	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Ohio	Burndy of Ohio Inc	517 Huron Rd, Cleveland 15, Ohio	SU1-6612
Ohio	Burndy of Ohio Inc	1433 E. McMillan St, Cincinnati 6, Ohio	PL1-1611
Okla	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Ore	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0443
Pa	Bradley Co., Inc	3341 Arch St, Philadelphia 4, Pa	EV2-4040
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
RI	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
SC	Glenn & Larson of Carolina Inc	1321 E. Morehead St, Charlotte 3, NC	ED4-3994
SD	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Tex	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Utah	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Vt	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
Va	Bradley Co., Inc	P.O. Box 1928, Washington 13, DC	RE7-1300
Wash	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0443
W. Va	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Wisc	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Wisc	Burndy Midwest Inc	6030 Northwest Hwy, Chicago 31, Ill	SP4-1464
Wyo	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Foreign	Burndy Corp	90 Ave De France, Antwerp, Belgium	
Foreign	Insulated Callender's Cables Ltd	Prescot, Lancashire, England	PR6571
	BUHL OPTICAL CO	**1009 Beech Ave, Pittsburgh 33, Pa**	**FA1-0076**
	BULOVA WATCH CO., INC	**40-06 62 St, Woodside 77, NY**	**NE9-5700**
Ala	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	
Ariz	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Cal	Penwarden-Dailey	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Del	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	MA2-2365
Ga	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Iowa	Zak-Cowen & Assoc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Me	Samuel C Hooker	2 Winchester Pl, Winchester, Mass	PA9-2745
Md	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	MA2-2365
Mass	Samuel C Hooker	2 Winchester Pl, Winchester, Mass	PA9-2745
Mich	R C Whitmore Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Minn	R C Whitmore	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Mo	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Mont	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Neb	Zak-Cowen	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Nev	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
NH	Samuel C Hooker	2 Winchester Pl, Winchester, Mass	PA9-2745
NJ	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	MA2-2365
NJ	Contronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	
NY	Contronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NY	Savco Inc	124 Kinne Rd, E. Syracuse, NY	GI6-4927
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	
Okla	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Ore	Jas J Backer	221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	MA2-2365
RI	Samuel C Hooker	2 Winchester Pl, Winchester, Mass	PA9-2745
SC	Jake Rudisill	1312 Myrtle Ave, Charlotte, NC	
Tex	Robert E Nesbitt	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	
Vt	Samuel C Hooker	2 Winchester Pl, Winchester, Mass	PA9-2745
Va	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	MA2-2365
Va	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	
Wash	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Wisc	R C Whitmore	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	
	BULOW ELECTRIC CO	**11000 Capital Ave, Oak Park, Ill**	**LI7-1133**
	BUNDY ELECTRONICS CORP	**173 Fabyan Pl, Newark, NJ**	**ES3-1072**
	BUNNELL & CO., J H	**81 Prospect St, Brooklyn 1, NY**	**UL8-0100**
	BUREAU OF ENGRAVING INC INDUSTRIAL DIV	**500 S. 4th Ave, Minneapolis 15, Minn**	**FE9-8721**
Ariz	E G Reyman	4623 E. Devonshire, Phoenix, Ariz	WH6-0039
Cal	Bernard Goldwasser	7939 Sausalite Ave, Canoga Park, Cal	DI8-8530
Fla	Mesco Inc	2617 Jewel Rd, Largo, Fla	JU4-1171
Ill	G McL Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Iowa	George E Harris & Co., Inc	Merchants Natl Bank Bldg, Cedar Rapids	EM2-6302
Ky	Byrow K Harris	55 Mayfield Ave, Fort Thomas, Ky	HI1-8975
Mass	Arthur E Akeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit 3, Mich	TO8-3322
NJ	S R Morrow Co	P.O. Box 336, Chatham, NJ	ME5-8960
Ohio	F E Kahsar	4628 Glenway Ave, Cincinnati 38, Ohio	MA1-3543
Ohio	H K Weast	2530 Tremainsville Rd, Toledo 13, Ohio	GR4-9563
Tex	George E Harris & Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Wash	Samuel N Stroun Co	1612 Broadway, Seattle 22, Wash	EA3-6117
	BURGESS BATTERY CO DIV OF SERVEL INC	**Freeport, Ill**	**AD2-2161**
	BURKE & JAMES INC	**321 S. Wabash Ave, Chicago 4, Ill**	**HA7-8393**
	BURLING INSTRUMENT CO	**23 River Rd, Chatham, NJ**	**ME5-9481**
Ala	Control Equipment Co	3166 Maple Dr, N.E., Atlanta, Ga	CE7-1688
Ariz	Charles Meriam Co	5017 Telegraph Rd, Los Angeles, Cal	AN9-8271
Ark	Hatfield & Co	P. O. Box 7072, Dallas, Tex	FL2-8736
Cal	Ralph B Lundy	1063 Howard St, San Francisco, Cal	UN3-3110
Cal	Charles Meriam Co	5017 Telegraph Rd, Los Angeles 22, Cal	AN9-8271
Conn	Halloran Equipment Co	63 Mowry St, Hamden, Conn	CH8-3069
Del	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR8-6400
DC	Geo Goodman Co	103 E. 25th St, Baltimore 18, Md	BE5-5570
Fla	Control Equipment Co	1500 W. Church St, Orlando, Fla	GA3-2791
Ga	Control Equipment Co	3166 Maple Dr, N.E., Atlanta, Ga	CE7-1688
Idaho	Standard Electric Sales Co	204 W. Lucile St, Seattle 4, Wash	PA5-9440
Ill	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	ST8-6485
Ind	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	ST8-6485
Iowa	H G Klug Co	2029 N. 67th Ave, Omaha, Neb	GL1377
Kan	R I Spengler Co	705 Walnut St, Kansas City, Mo	HA5373
Ky	B C Engineering Co	P.O. Box 34, Cincinnati, Ohio	TW1-6123
La	Pan-Tech Engineering Co	3302 Mercer St, Houston 27, Tex	JA6-4623
Me	Benson-Funk Inc	Box 31, Newton Lower Falls 62, Mass	CE5-6950
Md	Geo Goodman Co	103 E. 25th St, Baltimore 18, Md	BE5-5570
Mass	Benson-Funk Inc	P.O. Box 31, Newton Lower Falls 62	CE5-6850
Mich	Jesse Eakins Co	15875 James Couzens Hwy, Detroit 38	DI1-0660
Minn	Industra Co	6504 Walker St, Minnpls 26, Minn	WE9-6224
NY	H C Johnson Agencies	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	Mechanical Specialties Co	30 Church St, New York 7, NY	WO4-2591
NC	Brown & Morrison	Liberty Life Bldg, Charlotte, NC	ED3-0774
Ohio	Clarke H Joy Co	27005 Knickerbocker Rd, Bayvillage	TR1-5900
Ohio	B C Engineering Co	P.O. Box 34, Cincinnati, 36, Ohio	TW1-6123
Okla	Quipco Process Equipment Co	P.O. Box 4615, Tulsa, Okla	RI2-5273
Ore	Standard Electric Sales	204 W. Lucile St, Seattle 4, Wash	PA5-9440
Pa	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR8-6400
Pa	Walter N Laska	530 Sixth Ave, Pittsburgh 19, Pa	GR1-0490
RI	Halloran Equipment Co	63 Mowry St, Hamden, Conn	CH8-3069
SC	Brown & Morrison	Liberty Life Bldg, Charlotte, NC	ED3-0774
Tenn	Control Equipment Co	3166 Mapee Dr, N.E., Atlanta, Ga	CE7-1688
Tex	Hatfield & Co	P. O. Box 7072, Dallas, Tex	FL2-8736
Tex	Pan-Tech Engineering Co	3302 Mercer St, Houston, Tex	JA6-4623
Va	Geo Goodman Co	103 E. 25th St, Baltimore, Md	BE5-5570
Wash	Standard Electric Sales	204 W. Lucille St, Seattle 4, Wash	PA5-9440
W.Va	Walter Laska	530 Sixth Ave, Pittsburgh 19, Pa	GR1-0490
Wisc	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	ST8-6485
Foreign	Masten-Wright Co	P.O. Box 1896, Hamden, Conn	AT8-1638
	BURMAC ELECTRONICS CO., INC	**142 S. Long Beach, Rockville Center, NY**	**AX1-4540**
Fla	Wm J Brinkley Co	4501 4th St, N., St. Petersburg,	HE6-1014
Md	Engineering Associates	2125 Maryland Ave, Baltimore,	HO7-1966
Mass	Gysan Associates	756 Bay Rd, Hamilton, Mass	WA2-5770
NJ	CDB Enterprises	16 Tacoma St, Staten Island, NY	GI8-2587
NY	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
Pa	CDB Enterprises	1403 Arnold Ave, Roslyn,	OL9-2938
	BURNDY CORP	**Norwalk, Conn**	**TE8-4444**
Ala	Charles W Ashby Co	1827 28th Ave, S., Birmingham, Ala	TR9-9302
Ark	Curtis H Stout Co	400 Shall St, Little Rock, Ark	FR4-8201
Cal	Earl S Condon Co	3460 Wilshire Blvd, Los Angeles, Cal	DU1-3951
Cal	George E Honn Co	420 Market St, San Francisco, Cal	SU1-7352
Colo	Aerol Associates	Denver Club Bldg, Denver, Colo	TA5-2046
Conn	J J Costello Co	P.O. Box 88, New Haven, Conn	MA4-4491
DC	Aerol Associates	500 Wall St, Seattle, Wash	MA3-1975
DC	Bradley Co., Inc	212 H St, N.W., Washington, DC	RE7-1300
Fla	Aerol Associates	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Roy E Wilson Co	1062 Northside Dr, N.W., Atlanta, Ga	TR6-8833
Hawaii	Honolulu Electrical Prod Co Ltd	P.O. Box 459, Honolulu, Hawaii	HA5-7946
Ill	Burndy Midwest Inc	6030 Northwest Hwy, Chicago, Ill	SP4-1464
Ind	Burndy Midwest Inc	6030 Northwest Hwy, Chicago 31, Ill	SP4-1464
Ind	Burndy of Ohio Inc	1433 E. McMillan St, Cincinnati 6, Ohio	PL1-1611
Kan	Aerol Associates	6631 E. Kellogg, Wichita 18, Kan	MU3-7421
La	Curtis H Stout Co., Inc	Int'l Trade Mart, New Orleans, La	JA2-7197
La	Curtis H Stout Co., Inc	409 Fairfield Bldg, Shreveport, La	
Md	Bradley Co., Inc	3506 Sussex Rd, Baltimore 7, Md	OL3-3815
Mass	J J Costello Co	131 Clarendon St, Boston 16, Mass	CO6-3828
Mich	Johnson Sales Co	P.O. Box 287, Bay City, Mich	TW4-0471
Mich	M F Knaus Co	3117 W. McNichols Rd, Detroit 21, Mich	DI1-8686
Minn	Lloyd F Murphy & Associates Inc	1700 Hennepin Ave, Minneapolis 1, Minn	FE9-4851
Miss	Curtis H Stout Inc	706 Electric Bldg, Jackson, Miss	FL4-4326
Mo	Henderson Sales Co	13014 Manchester, St. Louis, Mo	YO5-7650
NY	Vincent J Brown Co	564 Ellicott Sq Bldg, Buffalo, NY	CL1122
NY	Burndy Corp	2 Penn Pl, Pelham, NY	LU4-9300
NY	Vincent J Brown Co	P.O. Box 142, Eastwood Sta, Syracuse	HO3-9161
NC	Glenn & Larson of Carolina Inc	1321 E. Morehead St, Charlotte, NC	ED4-3994
Ohio	Burndy of Ohio Inc	1433 E. McMillan St, Cincinnati, Ohio	PL1-1611
Ohio	Burndy of Ohio Inc	517 Huron Rd, Cleveland, Ohio	SU1-6612
Pa	Bradley Co., Inc	3341 Arch St, Philadelphia, Pa	EV2-4040
Pa	Muller Harper & Associates Inc	1st National Bank Bldg, Pittsburgh, Pa	AT1-4670
Tenn	Curtis H Stout of Tenn Inc	718 M & M Bldg, Memphis, Tenn	JA6-7601
Tex	Elgin B Robertson Inc	1339 Plowman St, Dallas, Tex	WH2-3157
Tex	Marshall R Elmore	140 Little Flower Rd, El Paso, Tex	PR2-2881
Tex	Elgin B Robertson Inc	4101 San Jacinto St, Houston, Tex	JA9-3739
Va	Muller Harper & Associates Inc	P.O. Box 4166, Charleston, W. Va	WA5-5343
Va	Bradley Co., Inc	601 E. Franklin St, Richmond, Va	MI8-9366
Foreign	Burndy Corp	90 Ave de France, Antwerp, Belgium	
Canada	Burndy Canada Ltd	1530 Birchmount Rd, Scarboro, Tor, Can	PL7-8761
	BURNELL & CO., INC	**10 Pelham Pkwy, Pelham, NY**	**PE8-5000**
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Cal	Burnell & Co., Inc	720 Mission St, S. Pasadena, Cal	MU2-2841
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	G M Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn	TA4-7215
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
DC	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Fla	Specialized Electronic Corp	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Hawaii	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Ind	Sheridan Associates	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
Iowa	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Kan	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Me	G M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Md	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Mass	G M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Mich	Jim Morrow Sales Co	13149 Hamilton Ave, Highland Park	TO5-7600
Minn	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Mo	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
NH	G M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
NJ	Holliday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
NY	Holliday-Hathaway Co., Inc	390 Plan Dome Rd, Manhasset, NY	MA7-7300
NY	Holliday-Hathaway Co., Inc	P.O. Box 296, New Hartford, NY	RE2-1602
NY	Holliday-Hathaway Co., Inc	P.O. Box 1061, Rochester 3, NY	HO7-3694
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
Okla	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
Pa	Sheridan Associates	Roselawn Center Bldg, Cinn, Ohio	ME1-2460
RI	G M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
SC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tex	Tex-O-Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Utah	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Vt	G M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Va	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Wyo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
	BURNLEY BATTERY & MFG CO	**Clay St, North East, Pa**	**SA5-3595**
	BURR-BROWN RESEARCH CORP	**Box 6444 Tucson, Ariz**	**AX8-0772**
Cal	William Theisner & Co	405 S. Sunnyvale, Sunnyvale, Cal	RE9-6460
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39	NO5-5219
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Ill	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ind	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Iowa	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
NJ	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa	LI8-8043
Pa	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa	LI8-8043
Tex	R E Salter	208 Sidney St, Houston 3, Tex	WA3-8720
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wisc	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
	BURROUGHS CORP ELECTRONIC TUBE DIV	**Box 1226, Plainfield, NJ**	
Ala	Dbm Research Corp	P.O.Box 521, Cocoa Beach, Fla	SU3-2438
Ariz	Brooks, Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Ark	Arnold Barnes Co	Box 5417, Tulsa, Okla	WE6-7707
Cal	Tech-Ser Inc	3540 Wilshire Blvd, Los Angeles 5, Cal	DU5-1765
Cal	Tech-Ser Inc	1263 Rosecrans Blvd, San Diego, Cal	AC2-1121
Cal	Tech-Ser Inc	640 Donohoe St, E. Palo Alto, Cal	DA5-3251
Colo	Brooks, Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	Instrument Dynamics Inc	75 Wilcox Rd, Milford, Conn	TR4-3289
Del	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Dbm Research Corp	P.O.Box 521, Cocoa Beach, Fla	SU3-2438
Ga	Dbm Research Corp	P.O.Box 521, Cocoa Beach, Fla	SU3-2438
Idaho	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Ill	Robert L Lang & Associates	6733 N. Olmsted Ave, Chicago 91, Ill	SP4-3610
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis 19	FL9-5374
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Miss	Dbm Research Corp	P.O.Box 521, Cocoa Beach, Fla	SU3-2438
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Neb	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Nev	Tech-Ser Inc	3540 Wilshire Blvd, Los Angeles 5, Cal	DU5-1765
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	R M C Associates Inc	391 Grand Ave, Englewood, NJ	LO7-3933
NM	Brooks, Feeger & Associates	1122C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	R M C Associates Inc	236 E. 75 St, New York 21, NY	TR9-2023
NC	L G White & Co	Box 521, Winston-Salem, NC	PA5-3612
Ohio	The Satullo Co	16801 Euclid Ave, Cleveland, Ohio	IV6-2800
Ohio	Robert O Whitesell & Associates	2600 Far Hills Bldg, Dayton 19, Ohio	AX8-4261
Ohio	Robert O Whitesell & Associates	Box 2717, Cincinnati 37, Ohio	ME1-9210
Okla	Arnold Barnes Co	Box 5417, Tulsa, Okla	WE6-7707
Ore	Stanley Enterprises	127 River St, Seattle 8, Ore	PA3-3320
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Pa	The Satullo Co	992 Perry Highwy, Pittsburgh 37, Pa	WE1-5200
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Tenn	Dbm Research Corp	Box 521, Cocoa Beach, Fla	SU3-2438
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Utah	Brooks, Feeger & Associates	Salt Lake City, Utah	
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
W. Va	The Satullo Co	992 Perry Highwy, Pittsburgh 37, Pa	WE1-5200
Wisc	Robert L Lang & Associates	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Foreign	Intertechnique	81 Rue de Escudier, Boulogne, Billancourt (Seine), France	
Foreign	Takachino Koheki Co., Ltd	Shin-Hanshin Bldg 47, Umeda-Cho, Kita-Ku, Osaka, Japan	
	BURTON INSTRUMENTS DIV BURTON MFG	**2520 Colorado Ave, Santa Monica, Cal**	**EX3-8255**
Cal	Aerol Associates Inc	1177 University Dr, Menlo Park, Cal	DA1-1014
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5586
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE3-8231
Kan	Aerol Associates Inc	6631 E. Kellogg, Wichita 18, Kan	MU4-0169
Kan	Aerol Associates Inc	5920 Nall Ave, Mission, Kan	HE2-8212
Md	Aerol Associates Inc	6803 York Rd, Baltimore 12, Md	DR7-8110
Mass	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
Mo	Aerol Associates Inc	Box 6216, Lambert Field, Mo	PE1-6853
NJ	Aerol Associates Inc	1180 Raymond Blvd, Newark, NJ	WH3-0336
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	Aerol Associates Inc	103 Pickwick Rd, DeWitt, NY	GI6-4560
Ohio	A Robert Snyder Co	41 E. 1st St, Dayton 2, Ohio	BA3-7262
Ohio	Aerol Associates Inc	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Tex	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Wash	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0444
Foreign	Air Carrier Service Corp	1510 H St, N.W., Washington 5, DC	EX3-5350
	BURTON SILVERPLATING CO	**11240 Pico A, Culver City, Cal**	
	BUSH TRANSFORMER CORP	**707 North St, Endicott, NY**	**PI8-3387**
Ala	Perrott Associates	2701 Wright Ave, Orlando, Fla	MI4-0065
Cal	C R Alford	475 Huntington Dr, San Marino, Cal	MU2-1139
Conn	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
Del	Holliday-Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
DC	Holliday-Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Fla	Perrott Associates	P.O. Box 6967, Orlando, Fla	MI4-0065
Ga	Perrott Associates	P.O. Box 6967, Orlando, Fla	MI4-0065
Ill	Carlson Electronic Sales	Chicago, Ill	
Me	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
Md	Holliday-Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Mass	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
Minn	Murphy Associates	1700 Henepin Ave, Minneapolis 3, Minn	FE9-4851
NH	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
NJ	Holliday-Hathaway Co	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NY	Holliday-Hathaway Co	390 Plandome Rd, Manhasset, NY	
NY	Holliday-Hathaway Co	P.O. Box 296, New Hartford, NY	RE2-1602
NY	Holliday-Hathaway Co	94 Henry St, Binghamton, NY	RA3-5177
NY	Holliday-Hathaway Co	P.O. Box 1081, Rochester 3, NY	GR3-1270
Ohio	Lloyd F Murphy Associates	1700 Henepin Ave, Minneapolis, Minn	FE9-4851
Pa	Holliday-Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
RI	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
Vt	Electronic Controls Inc	Magee Ave, Stanford, Conn	DA5-3524
Va	Holliday-Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
W. Va	Holliday-Hathaway Co., Inc	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
	BUSSMANN MFG DIV McGRAW-EDISON CO	**University at Jefferson, St. Louis 7, Mo**	**GA1-1740**
	BY-BUK CO	**4314 W. Pico Blvd, Los Angeles 19, Cal**	**WE6-6151**
	BYTREX CORP	**50 Hunt St, Newton, Mass**	**WA6-8360**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Aeromart Inc	1603 Red Oak Rd, S.E., Huntsville, Ala	JE6-9313
Cal	B J Wolfe Enterprises	P.O. Box 281, Northridge, Cal	DI5-2407
Ga	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-5519
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates Inc	1224 N. Capital Ave, Indianapolis 2, Ind	ME5-2401
Mass	Andruss-Peskin Co	P.O. Box 394, Natick, Mass	OL3-3919
Mich	Elliott-Sarles Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Mo	Lee Mark Associates Inc	P.O. Box 8467, Kansas City, Mo	JA9-9299
Mo	Lee Mark Associates Inc	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
NJ	Tek-Sel Inc	54 Rt 17, Paramus, NJ	HU9-7210
Ohio	Elliott-Sarles Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Pa	Tek-Sel Inc	Hatboro, Pa	OS2-1069
Tex	Industrial Associated Electronics	5907 E. Lancaster Ave, Ft. Worth, Tex	JE5-2056
Tex	Industrial Associated Electronics	2018 International Airport, El Paso, Tex	PR2-2441
Wash	Comptronics	Suite 123-124 No 2 Hanford St, Seattle 4, Wash	MA4-5135
Canada	Electrodesign	736 Notre Dame St, W., Montreal, P.Q.,	UN6-7367
	CBC ELECTRONICS CO., INC	**2601 N. Howard St, Phila 33, Pa**	**GA3-2797**
Ala	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	
Alaska	Don Smith Sales	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ariz	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	
Ark	Ernest L Wilkes	1212 Camp St, Dallas 2, Tex	
Cal	Charles Hansen	1406 S. Grand Ave, Los Angeles 15, Cal	
Cal	Nickerson-Gray Associates Inc	2434 Park Blvd, Palo Alto, Cal	
Colo	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	
Conn	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Del	Hal Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
DC	Hal Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Fla	William F Hemminger	624 N.E. 79th St, Miami 38, Fla	
Ga	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	
Hawaii	Gene Piety	2030 Home Rule St, Honolulu 17, Hawaii	
Idaho	Don Smith	2320 N. 45th St, Seattle 3, Wash	
Ill	Key-Men Sales Inc	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Ind	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	
Iowa	The Hammond Co	3324 Hiawatha Ave, Minneapolis 6, Minn	
Iowa	A R Thibau	505 Manufacturers Exchange Bldg, Kansas City 5, Mo	
Kan	A R Thibau	505 Manufacturers Exchange Bldg, Kansas City 5, Mo	
Ky	Edwards-Lohse Co	2123 E. 9th St, Cleveland 15, Ohio	
La	Ernest L Wilkes	1212 Camp St, Dallas 2, Tex	
Me	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Md	Hal Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Mich	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	
Minn	The Hammond Co	3324 Hiawatha Ave, Minneapolis 6, Minn	
Miss	Al Engelman & Co	3205 Crump Ave, Memphis, Tenn	
Mo	A R Thibau	210 W. 8th St, Kansas 5, Mo	
Mont	Don Smith	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Neb	A R Thibau	210 W. 8th St, Kansas City 5, Mo	
Nev	Nickerson-Gray Associates Inc	2434 Park Blvd, Palo Alto, Cal	
Nev	Charles Hansen	1406 S. Grand Ave, Los Angeles 15, Cal	
NH	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
NJ	S A Shaw	361 Central Park Ave, Yonkers, NY	
NJ	Hal Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
NM	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	
NY	Fish Associates	1922 Oneida St, Utica, NY	
NC	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	
ND	The Hammond Co	3324 Hiawatha Ave, Minneapolis 6, Minn	
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	
Okla	Ernest L Wilkes	1212 Camp St, Dallas 2, Tex	
Ore	Don Smith	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Hal Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Pa	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	
RI	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
SC	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	
SD	The Hammond Co	3324 Hiawatha Ave, Minneapolis, Minn	
Tenn	Al Engelman & Co	3205 Crump Ave, Memphis, Tenn	
Tex	Ernest L Wilkes	1212 Camp St, Dallas 2, Tex	
Utah	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	
Vt	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Va	Martin	1306 Vassar Rd, Richmond, Va	
Wash	Don Smith	2320 N. 45th St, Seattle 3, Wash	ME3-3160
W. Va	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	
Wisc	Keymen Sales Inc	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Wyo	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	
Foreign	Minthorne International Co., Inc	15 Moore St, New York 4, NY	BO9-6272
Canada	Conbro Imports Ltd	8900 Park Ave, Montreal, Canada	
	CBS ELECTRONICS DIV CBS INC	**100 Endicott St, Danvers, Mass**	**SP4-2360**
Ala	Cary Chapman & Co	2516-8th Ct, N. Birmingham, Ala	FA3-5236
Cal	CBS Electronics Sales Corp	2120 S. Garfield Ave, Los Angeles 22	RA3-9081
Cal	CBS Electronics Sales Corp	126 3rd St, Los Altos, Cal	WH8-7715
DC	CBS Electronics Sales Corp	5101 56th Ave, Hyattsville, Md	AP7-2333
Fla	Cary Chapman & Co	301 E. 10th Ave, Hialeah, Fla	TU5-2519
Ga	Cary Chapman & Co	672 Whitehall St, S.W., Atlanta, Ga	JA4-7388
Hawaii	Jim Hastin Sales Co	P.O.Box 2098, Honolulu 5, Hawaii	HO511-755
Ill	CBS Electronics Sales Corp	1990 N. Mannheim Rd, Melrose Park, Ill	ES9-2100
La	Cary Chapman & Co	213 S. Front St, New Orleans, La	TU5184
Md	CBS Electronics Sales Corp	5101 56th Ave, Hyattsville, Md	AP7-2333
Mich	CBS Electronics Sales Corp	15800 W. McNichols Rd, Detroit, Mich	BR2-0077
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3	FE2-5457
Mo	CBS Electronics Sales Corp	8116 Belleview, Kansas City, Mo	EM3-2196
NJ	CBS Electronics Sales Corp	231 Johnson Ave, Newark, NJ	WO4-2181
NY	CBS Electronics Sales Corp	231 Johnson Ave, Newark, NJ	WO4-2181
NC	Cary Chapman & Co	1009 S. Elm St, Greensboro, NC	BR3-4726
Pa	CBS Electronics Sales Corp	520 Lindsay Rd, Carnegie, Pa	BR6-5845
Pa	CBS Electronics Sales Corp	118 Garfield Ave, Merchantville, NJ	NO5-0064
Tex	CBS Electronics Sales Corp	7014 Bintliff Dr, Houston, Tex	GY4-5324
Tex	CBS Electronics Sales Corp	9826 Lanshire Dr, Dallas, Tex	DI8-2735
Wash	CBS Electronics Sales Corp	102-104 W. Roy St, Seattle, Wash	AT3-2424
	CBS LABORATORIES	**227 High Ridge Rd, Stamford, Conn**	**DA5-4321**
Ala	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ariz	Charles W Fowler Co	429 S. Western Ave, Los Angeles 5, Cal	DU4-7203
Cal	Charles W Fowler Co	429 S. Western Ave, Los Angeles 5, Cal	DU4-7203
Cal	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
Del	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Scientific Sales Engineering Co	918 Snell Isle Blvd, St Petersburg, Fla	ST5-7874
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Nev	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NM	Charles W Fowler Co	429 S. Western Ave, Los Angeles 5, Cal	DU4-7203
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	Scientific Sales Engineering Co	261 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Frank C-Minch & Associates	1132 Dorson Dr, Dayton, Ohio	AX8-5431
SC	Scientific Sales Engineering Co	2631 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co	2631 S. Main St, Winston-Salem, NC	PA3-3281
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
	C & D BATTERIES DIV THE ELECTRIC AUTOLITE CO	**Conshohocken, Pa**	**TA8-9000**
Ala	General Machinery Co	1600 Second Ave, Birmingham 1, Ala	AL1-9243
Ala	Gregory-Salisbury & Co., Inc	P.O. Box 4582, Mobile, Ala	GR1-5621
Ariz	Toncray Equipment Co	213 N. 1st Ave, Phoenix, Ariz	AL4-1383
Ark	Gregory-Salisbury & Co., Inc	P.O. Box 673, Pine Bluff, Ark	JE4-5932
Cal	Fred Pelletier Co	3436 San Fernando Rd, Los Angeles 65	CL4-2544
Cal	Fred Pelletier Co	722 Fern Glen, LaJolla, Cal	GL4-6757
Cal	McCormick-Morgan Co	324 Fifth St, San Francisco, Cal	SU1-6591
Colo	Toncray Equipment Co	1732 Blake St, Denver 2, Colo	CH4-1102
Conn	Packaged Industrial Power Inc	32 Lillian Dr, Trumbull, Conn	AM6-4449
DC	Felix W Altrup	Suite 344, Washington Bldg, Wash, DC	NA8-1852
Fla	Chas E Singleton Co	5079 W. Beaver St, Jacksonville 5, Fla	EV8-6390
Fla	Chas E Singleton Co	4512 Leona St, Tampa 9, Fla	
Ga	Mark C Pope Associates	309 Pharr Rd, N.E., Atlanta 5, Ga	CE3-3790
Ind	Arnold E McPhee	730 E. Ohio St, Indianapolis 4, Ind	ME2-5962
Iowa	Hubvill Co	P.O. Box 264, Bettendorf, Iowa	DA3-8031
Ill	Agair Equipment Co	4053 May St, Hillside, Ill	ES8-7070
Kan	Robert M Ash	5356 Buena Vista, Kansas City, Kan	SK1-2446
La	Gregory-Salisbury & Co., Inc	Rt 1, Sharp Rd, Baton Rouge, La	DI2-2873
La	Gregory-Salisbury & Co., Inc	820 Julia St, New Orleans, La	TU5207
Mass	George A Delbos Associates Inc	57 Mt. Auburn St, Watertown 72, Mass	WA4-5200
Mich	Packaged Electric Power Co., Inc	3049 E. Grand Blvd, Detroit 2, Mich	TR2-2050
Minn	Battree Co, The	224 W. 66th St, Minneapolis 23, Minn	UN9-8518
Miss	Gregory-Salisbury & Co., Inc	350 N. Mart Pl, Jackson, Miss	EM2-1671
Mo	Elmer H Boyer & Associates Inc	559 N. Skinker Blvd, St. Louis 30, Mo	VO3-6171
Md	Charles F Gross Associates Inc	12 E. 21st St, Baltimore 18, Md	CH3-1069
NJ	Packaged Industrial Power Inc	240 Fairmount Ave, Jersey City 6, NJ	HE4-0671
NY	Staff & Holder Inc	443 Delaware Ave, Buffalo 2, NY	MA5256
NY	H R Bungay Co	P.O. Box 85, Elmwood Sta, Syracuse 7, NY	HO9-0743
Ohio	Power Operated Products	5912 Hamilton Ave, Cincinnati 24, Ohio	KI1-1399
Ohio	Robert H Weff & Associates Inc	14900 Detroit Ave, Cleveland 7, Ohio	AC6-4426
Okla	Southwestern Battery Supply Co	214 E. 12th St, Tulsa, Okla	DI3-4995
Pa	Charles F Gross Associates	8004 Traymore Ave, Philadelphia 18, Pa	CH7-2408
Pa	A C Moore	727 Penn Ave, Pittsburgh 21, Pa	CH1-9051
Tenn	Gregory-Salisbury & Co., Inc	240 S. Parkway E., Memphis 6, Tenn	WH8-0496
Tex	Southwestern Battery Supply Co	7023 Town North Dr, Dallas 31, Tex	EM8-8474
Tex	P J Biggan & Associates	1803 Alamo National Bldg, San Antonio	CA7-6196
Utah	Toncray Equipment Co	1347 S. 17th E., Salt Lake City 8, Utah	IN6-9186
Va	John J Wilson	4101 Bremner Blvd, Richmond, Va	MI8-0262
Wash	Joseph C Platt Co	111 Bell St, Seattle 1, Wash	MA3-6141
Wash	Automotive Electric Co	125 E. Mission, Spokane 21, Wash	FA5-5379
Wisc	Battree Co, The	6083 W. Blue Mound Rd, Milwaukee 13	GR6-0153
Foreign	Export Dept	1010 Schaff Bldg, Philadelphia 2, Pa	LO4-4020
	C-E-I-R INC	**1200 Jefferson Davis Hwy, Arlington 2, Va**	**OT4-6377**
Cal	C E I R Inc	8400 Sunset Blvd, Los Angeles 46, Cal	OL6-0733
DC	C E I R Inc	734 15th St, N.W. Washington 5, DC	NA8-1554
NY	C E I R Inc	370 Lexington Ave, New York 17, NY	MU7-5736
	CES ELECTRONIC PRODUCTS INC	**P.O. Box 7504, San Diego 7, Cal**	**AC2-3505**
	CG ELECTRONICS CORP	**15000 Central E, Albuquerque, NM**	**AX9-7601**
Ala	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Cal	Dave Rufus	13041 Cerise Ave, Hawthorne, Cal	OR6-7607
Cal	Eleanor Ullman	3155 Geneva St, Los Angeles 5, Cal	DU9-4812
Cal	Murray Ray Carlis	8554 Snowden Ave, Pacoima, Cal	ST5-1632
Cal	Alfred H Barauck	50 Hawthorne Ave, San Francisco 5, Cal	YU2-7292
Del	Joe Cuesta	Box 925, Paoli, Pa	NI4-1600
Fla	Jack Wright	Box 725, Boca Raton, Fla	8972
Ga	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Ill	J L Cappels	7710 N. Paulina St, Chicago 26, Ill	AM2-3928
Md	Joe Cuesta	Box 925, Paoli, Pa	NI4-1600
Mass	Jerry Smith	5 Alfred Rd, Saxonville, Mass	TR5-6342
Mass	Jack Sarty	49 Countryside Ln, Norwood, Mass	TR5-6342
Mich	J L Pierce Co	16666 Jas Couzens Hwy, Detroit 21	UN2-2571
Minn	Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee 9, Wisc	CO4-1080
NJ	Gulton Industries	212 Durham Ave, Metuchen, NJ	LI8-2800
NY	Arthur Roberts	Post Office Rd, Waccabuc, NY	NY3-5055
NY	Edward Berman	34-50 24th St, Long Island City 6, NY	ST6-3423
NC	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Ohio	Robert Gerner	3851 Tait Rd, Dayton 39, Ohio	AX8-4591
Pa	Joe Cuesta	Box 925, Paoli, Pa	NI4-1600
SC	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Tenn	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Tex	Phil Southern	3212 Princeton Ave, Dallas 5, Tex	LA1-3748
Va	Rick Moore	2030 N. 16th St, Arlington, Va	JA4-6888
Wash	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
Wisc	Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee 9	CO4-1080
Foreign	George Moulier	7 Rue Pasteur, Les Muneaux, S&O, France	
Canada	Titiana Electric Corp	Box 672, Herbert St, Grananoque, Ont, Canada	
	C G S LABS INC	**Route 7, Wilton, Conn**	**PO2-5521**
Cal	Shephard-Winters Co	3193 Cahuenga Blvd, Hollywood, Cal	HO6-2171
Ohio	Max Gams	1018 Knott Bldg, Dayton 2, Ohio	BA4-4761
	C & H SUPPLY CO	**415 E. Beach Ave, Inglewood 3, Cal**	**ORB-4181**
Ala	Autry-Rushin Co	413 Irby Ave, N.W., Atlanta, Ga	CE7-2971
Ariz	Earl Daley	P.O. Box 727, Scottsdale, Ariz	WH5-1783
Cal	Jesse Coffer	101 S. Ashton, Millbrae, Cal	OX7-4146
Cal	Sam Dawson	127 University Ave, San Diego, Cal	
Colo	W L Farmer	Colorado Bldg, Denver, Colo	
DC	McGregor & Werner Inc	1640 Conn Ave, Washington 9, DC	HU3-8000
Ga	Autry-Rushin Co	413 Irby Ave, N.W., Atlanta, Ga	CE7-2971
Ill	Metal-Cal Sales	6468 W. North Ave, Chicago, Ill	ME7-4272
Kan	C & H Supply Co	1725 E. 2nd St, Wichita, Kan	AM5-0993
Mass	Marlboro Associates	182 Newton St, Waltham, Mass	TW3-2020
Mich	Midwest Associates	18450 Livernois, Detroit, Mich	UN2-2203
Mich	Geo B Nelson Co	3515 Rosewood Ave, S.E., Grand Rapids	CH5-5474
Mo	Allen Products Co	418 N. Taylor Ave, Kirkwood 22, Mo	YO5-2405
Mo	Tupper Adv Co	2201 Grand Ave, Kansas City, Mo	BA1-1933
NY	J W Swansan Associates	1441 Hertel Ave, Buffalo, NY	EX2200
Ohio	McLaughlin & Welland Inc	7540 Reading Rd, Cincinnati, Ohio	PO1-5566
Ohio	G F Sindelas Co	17023 Lorain Ave, Cleveland, Ohio	CL1-6266
Pa	Chas R Hile Co	Box 144, Hillview Rd, Paoli, Pa	EL6-2266
Tex	Metal-Cal Sales	6111 Harry Hines Blvd, Dallas, Tex	
Wash	C & H Supply Co	Boeing Field, Seattle, Wash	PA2-8111
Canada	Jonergin Co., Inc	110 River St, Verdun, P.Q., Canada	PO6-3586
England	Dalby & Sons Ltd	1 Queens Park Rd, Brighton, Sussex, England	
	C & K COMPONENTS INC	**101-103 Morse St, Newton 58, Mass**	**WA6-0800**
Cal	Web Electronic Associates	P.O. Box 45734, Los Angeles 45, Cal	OR8-0151
Conn	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
Fla	R H Sturdy Co., Inc	P. O. Box 1322, Melbourne	PA3-1931
Me	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
Mass	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
NH	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
NY	R H Sturdy Co., Inc	Niagara Mohawk Bldg, Utica, NY	RE5-4296
RI	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
Vt	R H Sturdy Co., Inc	103 Morse St, Newton 58, Mass	WA6-0808
	CTS CORP	**1142 W. Beardsley Ave, Elkhart, Ind**	**JA3-4210**
Ala	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Alaska	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Ariz	Carl Hower & Co	340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Cal	International Resistance Co	1136 N. LaBrea Blvd, Hollywood, Cal	HO9-5369
Cal	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Cal	Chicago Telephone of California Inc	105 Pasadena Ave, S. Pasadena, Cal	CL5-7186
Colo	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo	PE3-7172
Conn	Richard Purinton Inc	2647 Whitney Ave, Hamden, Conn	AT8-1036
Del	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
DC	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Idaho	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Ill	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Ill	International Resistance Co	5243 W. Diversey Ave, Chicago 39, Ill	TU9-5800
Ind	CTS of Berne Inc	P.O. Box 152, Berne, Ind	22107
Ind	Macnabb Schroeder & Loomis	820 E. 64th St, Indianapolis 20, Ind	CL5-6770
Iowa	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Kan	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Ky	Macnabb Schroeder & Loomis	820 E. 64th St, Indianapolis 20, Ind	CL5-6770
Me	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Md	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
Mass	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Mich	Koehler-Pasmore Co	11833 Hamilton, Detroit 3, Mich	TO8-3322
Minn	Robert W Marshall	6106 Excelsior Blvd, Minneapolis 16	WE9-0457
Mo	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Mo	E B Schwerin Co	817 Gerald Ave, St. Louis 35, Mo	JA1-8725
Mont	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Neb	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Nev	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
NH	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
NJ	International Resistance Co	165 Broadway, New York City 6, NY	CO7-9000
NJ	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
NM	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo	PE3-7172
NY	International Resistance Co	165 Broadway, New York City 6, NY	CO7-9000
NY	International Resistance Co	112 Montgomery St, Syracuse, NY	HA2-0274
NC	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
NC	CTS of Asheville Inc	Mill Gap Rd, Skyland, NC	MU4-6451
Ohio	Baehr Greenleaf & Associates	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Ohio	Baehr Greenleaf & Associates	7900 Mitchell Farm Ln, Cinn 42, Ohio	TW1-3827
Ohio	Baehr Greenleaf & Associates	3350 Maplewood Dr, Xenia, Ohio	CH4-5485
Okla	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL2-9918
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Pa	H L Slough	P.O. Box 306, Haddonfield, NJ	
Pa	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
Pa	Tanner & Covert Associates	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-5067
RI	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
SC	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Tenn	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Tex	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL2-9918
Tex	John A Green Co	3400 Montrose, Houston 6, Tex	
Utah	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo	PE3-7172
Vt	Richard Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Va	International Resistance Co	401 N. Broad St, Philadelphia 8, Pa	WA2-2166
Wash	Richard Legg Co	5165 6th Ave, S., Seattle 4, Wash	MU2-7764
W. Va	Tanner & Covert Associates	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-5067
Wisc	Robert W Marshall	6106 Excelsior Blvd, Minnpls 16, Minn	WE9-0457
Wisc	International Resistance Co	5243 W. Diversey Ave, Chicago 39, Ill	TU9-5800
Wyo	Electronic Components Sales	2149 S. Clermont, Denver 22, Colo	PE3-7172
Canada	C C Meredith & Co., Ltd	Streetsville, Ontario, Canada	TA5-1141
Foreign	Sylvan Ginsbury	8 W. 40th St, New York 18, NY	LO4-7585
Foreign	Jose Luis Pontet	Avenida Cordoba 1432, Buenos Aires, Argentina, SA	
Foreign	Carlos Brena	Morales 58-104, Mexico City, DF Mexico	
	C-W MFG CO	**P.O. Box 2065, El Monte, Cal**	
	C W S WAVEGUIDE CORP	**301 W. Hoffman Ave, Lindenhurst, NY**	**TU8-7150**
Conn	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
Mass	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	G W Moler Co	Box 240, Haddonfield, NJ	HA8-2440
Pa	G W Moler Co	Box 240, Haddonfield, NJ	HA8-2440
	CABLE DESIGNS INC	**66 Rushmore St, Westbury, NY**	**ED3-5323**
Ark	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	UP0-4647
Cal	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	UP0-4647
Colo	William Alexander	3015 S. Winona Ct, Denver, Colo	WE4-1360
Conn	Harry Sheridan	133 Torrington Heights Rd, Torrington	HU2-1680
Del	Philip Schumacher	1209 York Rd, Abington, Pa	TU4-7808
Fla	Alex Corbett Jr & Associates	2411 Covina Way, S., St. Petersburg, Fla	ST5-5505
Ga	Alex Corbett Jr & Associates	2411 Covina Way, S., St. Petersburg, Fla	ST5-5505
Ill	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Ind	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Ind	Joe Clancy & Co	P O Box 269, Angola, Ind	793
Iowa	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Iowa	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita 7, Kan	MU4-0218
Kan	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita 7, Kan	MU4-0218
Ky	Joe Clancy & Co	P.O. Box 269, Angola, Ind	793
Me	Warren H Stedman	43 Leon St, Boston, Mass	HI5-4676
Mass	Warren H Stedman	43 Leon St, Boston, Mass	HI5-4676
Minn	David E Crum Co	4604 Chicago Ave, Minneapolis 7, Minn	TA7-2641
Mo	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita, Kan	MU4-0218
Neb	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita, Kan	MU4-0218
Nev	Bucky Harris Co	3440 Overland Ave, Los Angeles, Cal	UP0-4647
NH	Warren H Stedman	43 Leon St, Boston, Mass	HI5-4676
NJ	Schumacher Associates	1209 York Rd, Abington, Pa	TU4-7808
NM	Bucky Harris Co	3440 Overland Ave, Los Angeles, Cal	UP0-4647
NY	S F Foster Co	204 Southfield Dr, Fayetteville, NY	NE7-6137
Ohio	Joe Clancy & Co	P O Box 269, Angola, Ind	793
Okla	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita 7, Kan	MU4-0218
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Philip W Schumacher	1209 York Rd, Abington, Pa	TU4-7808
RI	Warren H Stedman	43 Leon St, Boston, Mass	HI5-4676
Tex	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL7-1129
Utah	Bucky Harris Co	3440 Overland Ave, Los Angeles, Cal	UP0-4647
Vt	Warren Steuman	43 Leon St, Boston, Mass	HI5-4676
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Wisc	Engineered Sales Co., Inc	3592 Milwaukee Ave, Chicago, Ill	PE6-0555
Wyo	Aviation Prod Co., Inc	6631 E. Kellogg, Wichita, Kan	MU4-0218
	CABLE ELECTRIC PRODUCTS	**234 Daboll St, Providence, RI**	**ST1-5400**
Ala	Cornelius C Apffel	4433 E. Brookfield Dr, Nashville 2, Tenn	
Alaska	Andre-Mann Co	P.O. Box 2187, Anchorage, Alaska	
Ariz	ABC Co	4021 E. Hazelwood St, Phoenix, Ariz	
Ark	Cornelius Apffel	4433 Brookfield Dr, E., Nashville 2, Tenn	
Cal	Frank H Bran Co	607 E. 6th St, Los Angeles 21, Cal	
Cal	Jack T Casey	1485 Bayshore Blvd, San Francisco 24, Cal	
Colo	Allen B Carpenter Co	1314 Wazee St, Denver 4, Colo	KE4-0283
Conn	Henry C Pollack	20 Greenlawn Ave, Newton Centre 59, Mass	
Del	Barrington Associates	33 S. Gay St, Baltimore 2, Md	
DC	Barrington Associates	33 S. Gay St, Baltimore 2, Md	
Fla	S C Steinharter	4835 Burlington Ave, N., St. Peterburg, Fla	
Ga	S C Steinharter	4835 Burlington Ave, N., St. Petersburg, Fla	
Idaho	Allen B Carpenter Co	1314 Wazee St, Denver 4, Colo	
Ill	Truecraft Tool Co	2425 S. Michigan Ave, Chicago 16, Ill	
Ill	Becker Sales Co	1930 W. Division St, Chicago 22, Ill	
Ind	Jack Heiken Co	3228 Lowery Rd, Indianapolis, Ind	
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Kan	Al Mayer & Co	6376 Clayton Rd, St. Louis 17, Mo	
Ky	J L Weyhing	1914 Rutherford Ave, Louisville 5, Ky	
La	Al Levin & Associates Inc	P.O. Box 1279, New Orleans 10, La	
Me	Henry C Pollack	20 Greenlawn Ave, Newton Centre 59, Mass	
Md	Barrington Associates	33 S. Gay St, Baltimore 2, Md	
Mass	Henry C Pollack	20 Greenlawn Ave, Newton Centre 59, Mass	
Mich	C H Goldman	P.O. Box 161, Detroit 2, Mich	TR3-8213
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Miss	Al Levin & Associates Inc	P.O. Box 1279, New Orleans 10, La	
Mo	Al Mayer & Co	6376 Clayton Rd, St. Louis 17, Mo	
Mont	Allen B Carpenter Co	1314 Wazee St, Denver 4, Colo	KE4-0283
Neb	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Nev	Frank H Bran Co	607 E. 6th St, Los Angeles 21, Cal	
NH	Henry C Pollack	20 Greenlawn Ave, Newton Centre, Mass	
NJ	Ted Marks	126 Hilltop Acres, Yonkers, NY	
NM	Allen B Carpenter Co	1314 Wazee St, Denver 4, Colo	KE4-0283
NY	Harry Hyman & Son	254 W. 54th St, New York 18, NY	
NY	Cable Electric Products Inc	175 Fifth Ave, New York, NY	
NY	Ben S Loeb Inc	290 Fifth Ave, New York, NY	
NC	S C Steinharter	4835 Burlington Ave, N., St. Petersburg, Fla	
ND	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Ohio	Tri-State Trading Corp	660 Concrea Rd, Columbus, Ohio	
Okla	W H Jack McAdams Co	6115 Denton Dr, Dallas, Tex	DI1551
Ore	Vic Paul Co	510 N. W. Hoyt St, Portland 9, Ore	
Pa	E A Moraux	4051 N. Warner Rd, Lafayette Hill, Pa	SA2-3300
Pa	Harvey E Rooker	416 Denniston St, Pittsburgh 6, Pa	
SC	S C Steinharter	4835 Burlington Ave, N., St. Petersburg, Fla	
SD	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Tenn	Cornelius C Apffel	4433 E. Brookfield Dr, Nashville 2, Tenn	
Tex	W H Jack McAdams Co	6115 Denton Dr, Dallas, Tex	DI1551
Utah	Allen B Carpenter Co	211 S. 2nd West St, Salt Lake City 1, Utah	
Vt	Henry C Pollack	20 Greenlawn Ave, Newton Centre 59, Mass	
Va	R C Cooke	2904 W. Clay St, Richmond 30, Va	
Wash	Barrington Associates	33 S. Gay St, Baltimore 2, Md	
W. Va	Tri-State Trading Corp	660 Concrea Rd, Columbus, Ohio	
Wisc	Heimann Co	1135 S. Forest Ln, Milwaukee	SU2-6026
	CABLE SPECIALISTS OF CONNECTICUT	**95 Kitts Ln, Newington 11, Conn**	**MO6-3663**
	CADDELL-BURNS MFG CO., INC	**40 E. 2nd St, Mineola, NY**	**PI6-2310**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Cal	McGill & McGill	939 Tiburon Blvd, Tiburon, Cal	GE5-4576
Cal	Fred Lawrence Associates	8845 W. Olympic Blvd, Beverly Hills, Cal	OL7-0140
Conn	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
Del	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
Fla	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Me	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
Mass	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Nev	McGill & McGill	939 Tiburon Blvd, Tiburon, Cal	GE5-4576
NH	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
RI	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Vt	The Dea Co	30 Arlington St, Lynnfield, Mass	LY4-3575
Foreign	Malek Representaciones	Av Corrientes 222, Buenos Aires, Argentena	
	CADILLAC GAGE CO	**P. O. Box 3806, Detroit 5, Mich**	**PR7-7100**
Cal	W Roberts/J Pennell	1666 Whittier, Costa Mesa, Cal	MI6-2491
NJ	Harold Burkart	93 Hillside Ave, West Caldwell, NJ	CA6-1730
	CADRE INDUSTRIES CORP	**P. O. Box 150, Endicott, NY**	**PI8-3373**
Cal	Cadre Industries Corp	Box 396, Los Gatos, Cal	EL4-8600
Colo	Price Engineering Sales Co	Box 421, Littleton, Colo	
Conn	R S Pettigrew & Co., Inc	10 N. Main St, Hartford 7, Conn	AD3-8533
Del	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
DC	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
Ky	Clark Sales Co	Box 708, Cleveland 22, Ohio	PR1-2241
Me	R S Pettigrew & Co., Inc	45 Main St, Natick, Mass	OL3-6480
Md	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
Mass	R S Pettigrew & Co., Inc	10 N. Main St, Hartford 7, Conn	AD3-8533
Mass	R S Pettigrew & Co., Inc	45 Main St, Natick, Mass	OL3-6480
Mich	Nelson J Clark	17136 E. Warren, Detroit 24, Mich	TU5-1723
NJ	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NJ	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
NM	Price Engineering Sales Co	Box 421, Littleton, Colo	
NY	Wall Associates	Box 161, DeWitt 14, NY	GI6-4100
NY	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NY	Murray Sales Co	25 W. Northfield, Livingston, NJ	WY2-0520
NC	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Ohio	Clark Sales Co	Box 708, Cleveland 22, Ohio	PR1-2241
Ohio	Nelson J Clark	17136 E. Warren, Detroit 24, Mich	TU5-1723
Pa	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
RI	R S Pettigrew & Co., Inc	45 Main St, Natick, Mass	OL3-6480
Tenn	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Utah	Price Engineering Sales Co	Box 421, Littleton, Colo	
Vt	R S Pettigrew & Co., Inc	10 N. Main St, Hartford 7, Conn	AD3-8533
Va	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
Wyo	Price Engineering Sales Co	Box 421, Littleton, Colo	
	CALBEST ELECTRONICS CO	**4801 Exposition Blvd Los Angeles 16, Cal**	**RE1-7291**
	CAIG LABS	**46 Stonwood Rd, New Hyde Park, NY**	**PI2-8278**
	CALEDONIA ELECTRONICS & TRANSFORMER CO	**Caledonia, NY**	**KE8-4423**
	CALIBRATION STANDARDS CORP	**113½ W. 5th Ave, Pomona, Cal**	**NA9-8149**
Cal	Richard I Landes	1531 S. Robertson, Los Angeles 35, Cal	CR4-8185
Del	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
DC	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Idaho	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Kan	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Md	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Mo	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Nev	Richard I Landis	1531 S. Robertson, Los Angeles 35, Cal	CR4-8185
NJ	QED Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	QED Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
Okla	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Ore	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Pa	Holdsworth & Co	P.O.Box 71, Lansdowne, Pa	MA6-8300
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Va	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Foreign	Frazar & Hansen Lts	301 Clay St, San Francisco 11, Cal	EX2-5112
	CALIFORNIA CHASSIS CO	**5445 E. Century Blvd, Lynwood, Cal**	**NE6-7777**
Ariz	Harry A Moore Sales Co	305 E. Indian School Rd, Phoenix, Ariz	
Cal	Wes Alderson	3050 Overland, Los Angeles 34, Cal	
Cal	Logan Sales Co	150 Eight St, San Francisco, Cal	
Colo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Tex	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Wash	Don Kohler	11532 - 4th Ave, Seattle, Wash	
	CALIFORNIA COMPUTER PRODUCTS INC	**3714 Cleto St, Downey, Cal**	**WA3-1913**
Cal	Richard L Mark	7327 W. 82nd St, Los Angeles 45, Cal	
	CALIFORNIA MAGNETIC CONTROL CORP	**11922 Valerio St, N. Hollywood, Cal**	**ST7-1104**
	CALIFORNIA TECH IND DIV TEXTRON INC	**1421 Old Country Rd, Belmont, Cal**	**LY3-8466**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Cal	Perlmuth Electronic Asso	5057 W. Washington Blvd, Los Angeles 16	WE1-1041
Del	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Fla	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Fla	E G Holmes & Assoc	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ill	Walter F Marsh & Assoc	244 Chicago Ave, Oak Park, Ill	EU6-2967
Ind	Walter F Marsh & Assoc	244 Chicago Ave, Oak Park, Ill	EU6-2967
Iowa	Walter F Marsh & Assoc	244 Chicago Ave, Oak Park, Ill	EU6-2967
Kan	Kemco Inc	P.O. Box 998, Irving, Tex	FL1-5900
Kan	Kemco Inc	6427 E. Kellogg, Wichita 8, Kan	MU4-8224
Ky	Walter F Marsh & Assoc	244 Chicago Ave, Oak Park, Ill	EU6-2967
Md	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Mass	Instrument Dynamic	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Tiby Co	2245 Warrensville Ctr Rd, Cleve 18, Ohio	ER1-5335
Mich	Tiby Co	18272 James Couzens Hwy, Detroit 35, Mich	UN4-9298
Mo	Kemco Inc	P O Box 998, Irving, Tex	FL1-5900
Mont	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
NJ	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
NY	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6500
NY	Aironic Accessory Co., Inc	1590 Niagara Falls Blvd, Tonawanda, NY	AT4740
NC	E G Holmes & Assoc	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ohio	Tiby Co	2245 Warrensville Ctr Rd, Cleve 18, Ohio	ER1-5335
Okla	Kemco Inc	P.O. Box 998, Irving, Tex	FL1-5900
Ore	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Pa	Mason Shaver & Rhoades Inc	Stewartsville Rd, R D 5, Irwin, Pa	UN3-1000
SC	E G Holmes & Associates	4969 Roswell Rd, N E, Atlanta 5, Ga	BL5-6660
Wash	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Wisc	Walter F Marsh & Assoc	244 Chicago Ave, Oak Park, Ill	EU6-2967
Canada	Electrodesign	9124 St. Lawrence Blvd, Mont, Que, Can	DU9-5914
Foreign	Teltech International Corp	333 E. 46th St, New York 16, NY	YU6-2244
	CALMAG DIV CALIFORNIA MAGNETIC CONTROL CORP	**11922 Valerio St, N. Hollywood, Cal**	
	CALTRON PRODUCTS CO	**3518 W. Pico Blvd, L A 19, Cal**	**RE4-2420**
	CALVIDEO TUBE CORP	**18601 S. Santa Fe, Compton, Cal**	**NE6-0741**
	CAMBRIDGE FILTER CORP	**738 E. Erie Blvd, Syracuse 1, NY**	**GR5-1608**
	CAMBRIDGE ELECTRONICS CORP	**Box 23, Newton Lower Falls 62, Mass**	**WO9-8890**
	CAMBRIDGE PATTERN WORKS INC	**55 First St, Cambridge 41, Mass**	
	CAMBRIDGE THERMIONIC CORP	**445 Concord Ave, Cambridge 38, Mass**	**TR6-2800**
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Alaska	C B Parsons & Co	3028 1st Ave, Seattle, Wash	MU2-6780
Ariz	E V Roberts & Assoc	909 N. 1st St, Phoenix, Ariz	AL4-4664
Ark	Automatic General Elec Sales Inc	6550-B Throost Ave, Kansas City 10, Mo	DE3-8206
Cal	E V Roberts & Associates	4379 30th St, San Diego 4, Cal	AT1-6787
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Cal	E V Roberts & Associates	5068 W. Washington Blvd, L A 16, Cal	WE8-2541
Colo	Barnhill Associates	1170 S. Sheridan, Denver 26, Colo	WE5-4646
Conn	Samuel C Hooker Inc	P.O. Box 322, Danbury, Conn	PI8-1776
Del	Kenneth B Erdman	7908 High School Rd, Philadelphia 17, Pa	CA4-1833
DC	Kenneth B Erdman	7908 High School Rd, Philadelphia 17, Pa	CA4-1833
Fla	Floyd Fausett & Co	2727 Aloma Ave, Winter Park, Fla	MI7-4697
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Idaho	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Ill	R C Whitmore & Associates	605 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Ill	Automatic General Electro Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Ind	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	VI6-0359
Iowa	Automatic Gen Electro Sales Inc	6550B Troost Ave, Kansas City 10, Mo	DE3-8206
Kan	Automatic General Electro Sales Inc	6550B Troost Ave, Kansas City 10, Mo	DE3-8206
Ky	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	VI6-0359
La	Automatic Gen Electro Sales Inc	6550B Troost Ave, Kansas City 10, Mo	DE3-8206
Me	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Md	Kenneth B Erdman	7908 High School Rd, Philadelphia 17, Pa	CA4-1833
Mass	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Mo	Automatic Gen Electronic Sales Inc	8890 Lackland Rd, St. Louis 14, Mo	HA8-3934
Mo	Auto Gen Electronic Sales Inc	6550B Troost Ave, Kansas City 10, Mo	DE3-8206
Mont	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Neb	Automatic Gen Electo Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Nev	E V Roberts & Associates	5068 W. Washington Blvd, L A 16, Cal	WE8-2541
NH	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
NJ	Electronic Sales Assoc	74-09 37th Ave, Jackson Hghts 72, NY	TW8-6070
NM	E V Roberts & Associates	112 "C" Tulane Dr, S.E., Albuquerque	AL5-7304
NY	Electronic Sales Associates	74-09 37th Ave, Jackson Hghts 72, NY	TW8-6070
NC	Floyd Fausett & Co	Stony Point, Greenwood, SC	GL1-2897
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Ohio	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	FA1-5644
Ohio	Arthur H Baier Co	384 W. 1st St, Dayton, Ohio	BA8-5493
Okla	Automatic Gen Electro Sales Inc	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Ore	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Pa	Kenneth B Erdman	7908 High School Rd, Philadelphia 17, Pa	CA4-1833
Pa	Jack Covert Associates	320 Jonquil Pl, Pittsburgh 34, Pa	LE1-4471
RI	Samuel C Hooker Inc	P.O. Box 322, Danbury, Conn	PI8-1776
SC	Floyd Fausett & Co	Stony Point, Greenwood, SC	GL1-2897
SC	Floyd Fausett & Co	Stony Point, Greenwood, SC	GL1-2897
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, N.W., Atlanta 10, Ga	PL3-3104
Tex	Automatic General Elctro Sales Inc	2527 B McKinney Ave, Dallas, Tex	RI7-8779
Utah	Barnhill Associates	207 N. 4th E., Centerville, Utah	
Vt	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Va	Kenneth B Erdman	7908 High School Rd, Philadelphia, Pa	CA4-1833
Wash	C B Parsons	3028 1st Ave, Seattle 1, Wash	MU2-6780
W. Va	Jack Covert Associates	320 Jonquil Pl, Pittsburgh 34, Pa	LE1-4471
Wisc	R C Whitmore & Associates	605 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Wyo	Barnhill Associates	1170 S. Sheridan, Denver 26, Colo	WE5-4646
Canada	Cambridge Thermi of Canada Ltd	2425 Grand Blvd, Montreal 28, Canada	HU8-8321
Foreign	Uni Office N V	P.O. Box 1122, Rotterdam, Holland	
	CAMBRIDGE WIRE CLOTH CO	**Cambridge, Md**	**AC8-3000**
Cal	The Cambridge Wire Cloth Co	420 Market St, San Francisco 11, Cal	
Del	The Cambridge Wire Cloth Co	P.O. Box 208, Newark, Del	
Ga	The Cambridge Wire Cloth Co	76 4th St, N.W., Atlanta, Ga	
Ill	The Cambridge Wire Cloth Co	332 S. Michigan Ave, Chicago 4, Ill	
Ill	The Cambridge Wire Cloth Co	1472 S. Main St, Crete, Ill	
Mich	R C Carmean	2567 W. Grand Blvd, Detroit 8, Mich	
Mo	The Cambridge Wire Cloth Co	4627 Wornall Rd, Kansas City, Mo	
NY	The Cambridge Wire Cloth Co	429 White Plains Rd, Eastchester 7, NY	
Pa	The Cambridge Wire Cloth Co	295 Beverly Rd, Pittsburgh 16, Pa	
Pa	The Cambridge Wire Cloth Co	5205 Webb St, Aliquippa, Pa	
Tex	The Cambridge Wire Cloth Co	5208 Willow Ave, Bellaire 101, Tex	
Canada	R D Travers Co	12 Feeman Pl, Hamilton, Ont, Can	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	CAMCAR SCREW & MFG CO DIV TEXTRON INDUSTRIES INC	**600 Eighteenth Ave, Rockford, Ill**	**WO5-9451**
Ariz	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
Cal	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
Conn	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
Del	Edward M Jackson	1830 Old Orchard Rd, Abington, Pa	TU7-3504
Ind	Howard F Jacobson	4974 Scenic Dr, S. Bend 17, Ind	AT8-5397
Ky	Richard P Field	2003 Old Shepherdsville Rd, Louisville	GL6-5367
Me	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
Md	Edward M Jackson	1830 Old Orchard Rd, Abington, Pa	TU7-3504
Mass	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
Mich	C C Curry & J Yaroch	14631 W. McNichols Rd, Detroit 35	VE6-5045
Minn	J A Elwood Jr	238 Roger St, Port Washington, Wisc	AT4-4297
Nev	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
NH	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
NJ	R Dexter Field	19 Cortelyou Rd, Merrick, NY	WA3-5448
NM	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
NY	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
NY	R Dexter Field	19 Cortelyou Rd, Merrick, NY	WA3-5448
Ohio	Ralph F Hornbach	9984 Winlake Dr, Cincinnati 31, Ohio	JA2-1349
Ohio	Eugene H Donahue	801 E. Main St, Greenville, Ohio	LB-3092
Ore	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
Pa	Edward M Jackson	1830 Old Orchard Rd, Abington, Pa	TU7-3504
RI	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
Tex	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
Vt	John Gregory	Country Club Rd, Avon, Conn	OR3-3696
Wash	Rollin C Ring	523 Main St, El Segundo, Cal	EA2-5157
Wisc	J A Elwood Jr	238 Roger St, Port Washington, Wisc	AT4-4297
	CAMLOC FASTENER CORP	**22 Spring Valley Rd, Paramus, NJ**	**HU9-4900**
	CAMPBELL CO., INC., COLIN	**Mary Brook Rd, Danbury, Conn**	**PI3-6701**
	CAMPBELL INDUSTRIES INC	**Dover, NH**	**SH2-1120**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ariz	Perlmuth Electronic Assoc	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Cal	Perlmuth Electronic Assoc	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Colo	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Conn	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Del	Albert D Leban Assoc	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
DC	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Hawaii	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Idaho	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Idaho	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ill	Bruce Cumming & Assoc Inc	6029 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Ill	Henry D Sarkis	5604 N. Western Ave, Chicago 45, Ill	AR1-3774
Ill	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Ind	Victor Musser	608 W. Second St, Marion, Ind	WO2-7874
Ind	Needler Sales Co	Sta C, Box 2407, Ft. Wayne, Ind	HA9726
Iowa	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Kan	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Ky	Victor Musser	608 W. Second St, Marion, Ind	WO2-7874
Ky	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
La	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Me	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Md	Charles W Lienau & Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Md	Clarence W Henderson	400 Gilpin Rd, Narberth, Pa	MO4-9588
Md	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
Mass	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit 35	BR3-3652
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Mo	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Mont	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Neb	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
NH	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
NJ	Leon L Adelman Co	25 Chittenden Ave, New York City 33, NY	SW5-1145
NJ	Samuel Bialek	205 E. 42nd St, New York 17, NY	MU4-1655
NJ	Clarence W Henderson	400 Gilpin Rd, Narberth, Pa	MO4-9588
NJ	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
NM	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
NY	Leon L Adelman Co	25 Chittenden Ave, New York City 33, NY	SW5-1145
NY	Leonard D Allen Inc	115-117 Luther Ave, Syracuse 8, NY	GR1-3108
NY	Samuel Bialek	205 E. 42nd St, New York 17, NY	MU4-1655
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
ND	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	Clarence W Henderson	400 Gilpin Rd, Narberth, Pa	MO4-9588
Pa	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
Pa	Beil & Whitaker Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
RI	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Tex	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Utah	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Vt	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Wisc	Bruce Cumming & Assoc Inc	6029 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Wyo	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Canada	Canadian Marconi Co	830 Bayview Ave, Toronto 17, Ont	HU1-5221
Foreign	W Simons & Son Co., Inc	25 Warren St, New York 7, NY	BA7-5513

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	CAMPRO PRODUCTS INC	**3133 Alliance Rd, N.E., Canton 1, Ohio**	**GL5-0334**
Ala	Dixie Electronic Associates	1021-8th Ave, S., Nashville, Tenn	AL5-1334
Ariz	Henry Laver	4630 Hollywood Blvd, L A, Cal	31171
Ark	Ernest L Wilk Co	1212-Camp St, Dallas 2, Tex	RI7-2637
Cal	Grandco Sales	4 Yosemite Ave, Oakland, Cal	OL4-6327
Cal	Henry Laver	4630 Hollywood Blvd, Los Angeles, Cal	31171
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Cal	ME4-3401
Del	J Merrican	1 Christopher St, New York 14, NY	AL5-6387
DC	J Merrican	1 Christopher St, New York 14, NY	AL5-6387
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1334
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ill	Collins & Havercamp	6857 N. Main St, Kansas City 16, Mo	GL3-4497
Ill	Moses Bros Sales	Merchandise Mart, Chicago, Ill	MI2-4911
Iowa	Collins & Havercamp	6857 N. Main St, Kansas City 16, Mo	GL3-4497
Kan	Collins & Havercamp	6857 N. Main St, Kansas City 16, Mo	GL3-4497
La	Ernest L Wilk Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Md	J Merican	1 Christopher St, New York 14, NY	AL5-6387
Mich	Rod Butchard Co	16637 E. Warren Ave, Detroit 24, Mich	TU2-666
Minn	Moses Bros	Merchandise Mart, Chicago, Ill	MI2-4911
Miss	Dixie Electronic Associates	1021-8th Ave, S., Nashville, Tenn	AL5-1334
Mo	Collins & Havercamp	6857 N. Main St, Kansas City 16, Mo	GL3-4497
Mont	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	Collins & Havercamp	6857 N. Main St, Kansas City 16, Mo	GL3-4497
Nev	Grandco Sales Co	4 Yosemite Ave, Oakland 11, Cal	OL4-6327
NJ	Fenton Sales Co	1150 Broadway, New York, NY	LE2-3796
NJ	J Merican	1 Christopher St, New York 14, NY	AL5-6387
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo, NY	MO3-5434
NY	Fenton Sales Co	1150 Broadway, New York, NY	LE2-3796
NC	Dixie Electronic Assoc	1021-8th Ave, S., Nashville, Tenn	AL5-1334
ND	Moses Bros	Merchandise Mart, Chicago, Ill	MI2-4911
Ohio	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio	6511
Okla	Ernest Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Pa	J Merican	1 Christopher St, New York 14, NY	AL5-6387
Pa	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio	6511
SC	Dixie Electronics Associates	1021-8th Ave, S., Nashville, Tenn	AL5-1334
SD	Moses Bros	Merchandise Mart, Chicago, Ill	MI2-4911
Tenn	Dixie Electronic Associates	1021-8th Ave, S., Nashville, Tenn	AL5-1334
Tex	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Va	Dixie Electronic Associates	1021-8th Ave, S., Nashville, Tenn	AL5-1334
W.Va	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio	6511
Wisc	Moses Bros	Merchandise Mart, Chicago, Ill	MI2-4911
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
	CANADIAN APPLIED RESEARCH LTD	**750 Lawrence Ave, W., Toronto 19, Can**	**RU1-1571**
	CANADIAN AVIATION ELECTRONICS LTD	**6214 Cote de Liesse Rd, Montreal 9, Can**	**ME1-6781**
	CANADIAN MARCONI CO	**2444 Trenton Ave, Montreal, Canada**	**RE8-9441**
Canada	Canadian Marconi Co	830 Bayview Ave, Toronto, Canada	HU1-5221
Canada	Canadian Marconi Co	3594 Main St, Vancouver, Canada	TR6-4174
Canada	Canadian Marconi Co	1710-3rd St, N.E., Calgary, Canada	CR7-7571
Canada	Canadian Marconi Co	572 Barrington St, Halifax, Canada	3-1325
Canada	Canadian Marconi Co	20 Barnes Rd, St. John's Nfld	2881
	CANADIAN RADIUM & URANIUM CORP	**630 Fifth Ave, New York 20, NY**	**CI6-0460**
	CANADIAN RESEARCH INSTITUTE	**46 St. George St, Toronto 5, Ont, Canada**	**WA3-2455**
	CANNON CO C F	**Springwater, NY**	**531**
	CANNON ELECTRIC CO	**3208 Humboldt St, Los Angeles 31, Cal**	**CA5-1251**
Ala	Glenn Associates Inc	172 Simpson St, N.W., Atlanta 13, Ga	JA2-4906
Alaska	James J Backer	221 W. Galer St, Seattle 99, Wash	AT3-6470
Ariz	Cannon Electric Co	2801 Airlane Ave, Phoenix, Ariz	BR5-4792
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Cal	W V Brainard	715 Hamilton, Palo Alto, Cal	DA6-3421
Cal	Cannon Electric Co	666 E. Dyer Rd, Santa Ana, Cal	KI5-7121
Colo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Cannon Electric Co	186 Main St, Branford, Conn	HU8-7209
Del	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
DC	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Fla	Glenn Associates Inc	172 Simpson St, N.W., Atlanta 13, Ga	JA2-4906
Ga	Glenn Associates Inc	172 Simpson St, N.W., Atlanta 13, Ga	JA2-4906
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ill	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Ind	Wright Engineering Corp	4241 Melbourne Rd, Indpls 8, Ind	WA3-8888
Iowa	Cannon Electric Co	210 S. 5th St, Minnpls 2, Minn	FE6-3454
Kan	Cannon Electric Co	20 On-the Mall, Kansas City, Mo	EN2-3313
Kan	Cannon Electric Co	4600 Laura St, Wichita 16, Kan	JA4-5841
Ky	Wright Engineering Corp	4241 Melbourne Rd, Indpls 8, Ind	WA3-8888
La	Earl K Moore Co	5864 Louisville, New Orleans 24, La	HU8-2407
Me	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
Md	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Mass	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
Mich	Henschen-Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	Cannon Electric Co	210 S. 5th St, Minneapolis 2, Minn	FE6-3454
Miss	Earl K Moore Co	5864 Louisville, New Orleans 24, La	HU8-2407
Mo	Harris Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mont	Cannon Electric Co	3208 Humboldt St, Los Angeles 31, Cal	CA5-1251
Neb	Cannon Electric Co	20 On-the-Mall, Kansas City, Mo	EN2-3313
NH	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
NJ	O F Masin Co	1 Wolf's Ln, Pelham, NY	PE6-4510
NJ	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
NM	Cannon Electric Co	2801 Airlane Ave, Phoenix, Ariz	BR5-4792
NY	Frank W Taylor Co., Inc	4455 E. Genesee St, DeWitt, NY	GI6-0422
NY	O F Masin Co	1 Wolf's Ln, Pelham, NY	PE6-4510
NC	Larco Engineering Inc	1319 E. Morehead, Charlotte 2, NC	ED4-7090
ND	Cannon Electric Co	210 S. 5th St, Minneapolis 2, Minn	FE6-3454
Ohio	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	FA1-5690

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Ed Magee & Co	2600 Far Hills Ave, Dayton 19, Ohio	AX9-2333
Okla	Cannon Electric Co	20 On-the-Mall, Kansas City, Mo	EN2-3313
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
RI	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
SC	Larco Engineering Inc	1319 E. Morehead, Charlotte 2, NC	ED4-7090
SD	Cannon Electric Co	210 S. 5th St, Minneapolis 2, Minn	FE6-3454
Tenn	Glenn Associates Inc	172 Simpson St, N.W., Atlanta 13, Ga	JA2-4906
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Utah	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Vt	Cannon Electric Co	Pingree & Leavitt Sts, Salem, Mass	PI5-0700
Va	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Wyo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Canada	Cannon Electric Canada Ltd	160 Bartley Dr, Toronto 16, Ont, Canada	PL7-2845
	CANNON-MUSKEGON CORP	**2875 Lincoln St, Muskegon, Mich**	
Ariz	Dick Ellis Co	908 Venice Blvd, L A 15, Cal	RI7-5129
Cal	Dick Ellis Co	908 Venice Blvd, L A 15, Cal	RI7-5129
Conn	Seymour Preston	Bed Ford Hills, NY	MU7-6477
Del	Seymour Preston	Bed Ford Hills, NY	MU7-6477
DC	Seymour Preston	Bed Ford Hills, NY	MU7-6477
Me	Seymour Preston	Bed Ford Hills, NY	MU7-6477
Md	Seymour Preston	Bed Ford Hills, NY	MU7-6477
Mass	Seymour Preston	Bed Ford Hills, NY	MU7-6477
Nev	Dick Ellis Co	908 Venice Blvd, L A 15, Cal	RI7-5129
NH	Seymour Preston	Bedford Hills, NY	MU7-6477
NJ	Seymour Preston	Bedford Hills, NY	MU7-6477
NY	Seymour Preston	Bedford Hills, NY	MU7-6477
Ore	Dick Ellis Co	908 Venice Blvd, L A 15, Cal	RI7-5129
Pa	Seymour Preston	Bedford Hills, NY	MU7-6477
RI	Seymour Preston	Bedford Hills, NY	MU7-6477
Vt	Seymour Preston	Bedford Hills, NY	MU7-6477
Wash	Dick Ellis Co	908 Venice Blvd, L A 15, Cal	RI7-5129
	CANOGA DIV UNDERWOOD CORP	**15330 Oxnard St, Van Nuys, Cal**	**ST6-9010**
Fla	Canoga Div	736 N. Beal St, Ft. Walton Beach, Fla	CH4-5111
	CAPCON INC	**61 Stanton St, New York 2, NY**	**GR5-0080**
Cal	Ray Del Bucchia	179 S. Mayfair Ave, Daly City, Cal	
Colo	Ray Del Bucchia	179 S. Mayfair Ave, Daly City, Cal	
Fla	John F Wattles	7210 Red Rd, Miami, Fla	PL4-5394
Ga	John F Wattles	7210 Red Rd, Miami, Fla	PL4-5394
Me	J Duncan How Inc	Statler Office Bldg, Boston 16, Mass	HU2-4638
Mass	J Duncan How Inc	Statler Office Bldg, Boston 16, Mass	HU2-4638
NH	J Duncan How Inc	Statler Office Bldg, Boston 16, Mass	HU2-4638
NJ	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
NY	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
RI	J Duncan How Inc	Statler Office Bldg, Boston 16, Mass	HU2-4638
Vt	J Duncan How Inc	Statler Office Bldg, Boston 16, Mass	HU2-4638
	CAPITOL MACHINE CO	**36 Beinforth Ave, Danbury, Conn**	**PI3-2758**
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	Perlmuth Electronic Associates	941 Charleston Rd, Palo Alto, Cal	DA1-5064
Conn	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
Fla	Buchanan & Abrams Associates	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Ill	Felleisen Associates	5841 W. Montrose Ave, Chicago 34, Ill	SP7-1060
La	J Earl Smith	508 Roselawn Ave, Monroe, La	FA2-1162
Mass	Arthur T Hatton & Co	246 Walnut St, Newtonville 60, Mass	DE2-2021
Mich	Heick & Ralph Assoc	4765 Bellevue Ave, Detroit 7, Mich	WA1-2955
Minn	Felleisen Assoc	5231 Humboldt Ave, S., Minneapolis	TA9-6459
Mo	William T McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
NJ	V-G Co	12 Highland Dr, Livingston, NJ	IN3-5000
Ohio	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Heights 24	HI2-9040
Ohio	Edmund C Frost & Co	4332 Kettridge, Dayton 24, Ohio	BE3-3119
Pa	John Giembaum	Box 7142, Philadelphia 17, Pa	ME5-1030
Tex	J Earl Smith	6211 Denton Dr, Dallas 35, Tex	FL7-1727
Canada	John R Tilton Ltd	51 McCormick St, Toronto, Canada	RO9-1129
Canada	John R Tilton Ltd	5004 Dorval Ave, Montreal, Canada	RE1-0725
	CAPPS & CO., INC	**20 Addison Pl, Valley Stream, NY**	**VA5-4413**
Ark	Chas Lucas Sales Co	P.O. Box 8506, Dallas, Tex	
Cal	Ralph Aufder Heide	P. O. Box 201, Altadena, Cal	
Fla	Gus Jose	2057 N. E. 173 St, N. Miami Beach, Fla	
Ill	Robert Shaw Co	7800 Kenridge Ln, Webster Groves, Mo	
Kan	Robert Shaw Co	7800 Kenridge Ln, Webster Groves, Mo	
La	Chas Lucas Sales Co	P.O. Box 8506, Dallas, Tex	
Mo	Robert Shaw Co	7800 Kenridge Ln, Webster Groves, Mo	
Neb	Robert Shaw Co	7800 Kenridge Ln, Webster Groves, Mo	
Okla	Charles Lucas Sales Co	P.O. Box 8506, Dallas, Tex	
Tex	Charles Lucas Sales Co	P.O. Box 8506, Dallas, Tex	
	CARAD CORP	**2850 Bay Rd, Redwood City, Cal**	**EM8-2969**
	CARBOLINE CO	**32 Hanley Ind Ct, St. Louis 17, Mo**	**MU7-5795**
Ala	Applied Engineering Sales Co	P.O. Box 2158, Mobile, Ala	GR9-1363
Alaska	S S Moore & Associates	2035 S.W. 58th Ave, Portland 1, Ore	CA2-3670
Ariz	Reeves & Co	334 W. 17th S. St, Salt Lake City, Utah	HU5-9864
Ark	Haynes Co	1215 E. 20th St, Tulsa 20, Okla	LU4-8748
Cal	T G Cullen	3718 Grand Ave, Oakland 10, Cal	GL2-3982
Cal	Margar Co	1613 Pacific Coast Hwy, Hermosa Beach	FA1-2308
Colo	Alldredge & McCabe	847 E. 17th Ave, Denver 18, Colo	AL5-7496
Conn	Seymour J Fiebach	299 Madison Ave, New York 17, NY	MU7-2429
Fla	John J Parkinson	P.O. Box 10665, St. Petersburg, Fla	5-7708
Ga	Stephen C May	3651 Ivy Rd, N.E., Atlanta, Ga	CE7-1162
Hawaii	Vaughn O Morrison	149 Makealani Pl, Kailua, Hawaii	255-555
Idaho	Reeves & Co	334 W. 17th S., Salt Lake City, Utah	HU5-9864
Ill	Don Stoltenberg	419 N. Ashland, Park Ridge, Ill	TA5-4132
Ind	Don Stoltenberg	419 N. Ashland, Park Ridge, Ill	TA5-4132

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Iowa	Bailerkraft Co	3911 Leavenworth, Omaha 5, Neb	JA7840
Kan	Haynes Co	1215 E. 20th St, Tulsa 20, Okla	LU4-8748
La	Wm Crawford	6417 Kelvanie Ave, Metairie, La	VE3-6563
La	O A Melvin	P.O. Box 14284, Houston 21, Tex	OL4-9514
Me	Edmund A J Mroz	17 Harrison St, Melrose 76, Mass	NO5-5898
Mass	Edmund A J Mroz	17 Harrison St, Melrose 76, Mass	NO5-5898
Mich	Marcon Corp	23100 W. 8 Mile Rd, Southfield, Mich	KE3-3946
Miss	Applied Engineering Sales Co	P.O. Box 2158, Mobile, Ala	GR9-1363
Mo	Wm L Bernard	611 Olive St, St. Louis 1, Mo	CH1-4254
Mont	Reeves & Co	334 W. 17th S. St, Salt Lake City, Utah	HU5-9864
Neb	Bailerkraft Co	3911 Leavenworth, Omaha 5, Neb	JA7840
Nev	Reeves & Co	334 W. 17th S. St, Salt Lake City, Utah	HU5-9864
NH	Edmund A J Mroz	17 Harrison St, Melrose, Mass	NO5-5898
NJ	Wm H Beck	4 South Lake Dr, Red Bank, NJ	SH1-2315
NM	Alldredge & McCabe	847 E. 17th Ave, Denver 18, Colo	AL5-7496
NY	Seymour J Fiebach	299 Madison Ave, New York, NY	MU7-2429
NC	Lloyd E Parks	Wachovia Bank Bldg, Charlotte, NC	FR6-6873
Ohio	P M Kline & Associates	2036 E. 22nd St, Cleveland 15, Ohio	CH1-1171
Ohio	J P Ashburn	6914 Miami Rd, Cincinnati 27, Ohio	BR1-9040
Okla	The Haynes Co	1215 E. 20th St, Tulsa 20, Okla	LU4-8748
Ore	S S Moore & Associates	2035 S. W. 58th Ave, Portland 1, Ore	CA2-3670
RI	Edmund A J Mroz	17 Harrison St, Melrose, Mass	NO5-5898
SC	Lloyd E Parks	Wachovia Bank Bldg, Charlotte, NC	FR6-6873
Tenn	A G Brown & Co	440 Frazier Ave, Chattanooga, Tenn	AM7-8174
Tex	O A Melvin	P.O. Box 14284, Houston 21, Tex	OL4-9514
Utah	Reeves & Co	334 W. 17th S. St, Salt Lake City, Utah	HU5-9864
Vt	Edmund A J Mroz	17 Harrison St, Melrose, Mass	NO5-5898
Va	Atlas Mistrock	3318 W. Carey St, Richmond 21, Va	EL8-4501
Wash	S S Moore & Associates	2035 S. W. 58th Ave, Portland 1, Ore	CA2-3670
W. Va	J P Ashburn	6914 Miami Rd, Cincinnati 27, Ohio	BR1-9040
Wisc	Don Stoltenberg	419 N. Ashland, Park Ridge, Ill	TA5-4132
Wyo	Alldredge & McCabe	847 E. 17th Ave, Denver 18, Colo	AL5-7496
Foreign	Otronzi De Nora	Impianti Electtrochimici, Milan, Italy	
Foreign	Sika Produits Et Travaux	D'Etoncheite, 164 Rue Faub, St. Honare, Paris	

	CARBONNEAU INDUSTRIES INC	**100 Lexington Ave, S.W., Grand Rapids, Mich**	**GL6-9528**
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-0060
Cal	J W Marsh Co	4216 W. Jefferson Blvd, L A 16, Cal	RE2-0145
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco 24	VA4-6714
NY	S A Shaw Co	361 Central Park Ave, Yonkers, NY	YO3-5700
NY	L D Allen Co	115-117 Luther Ave, Syracuse, NY	GR1-3100

	CARBORUNDUM CO GLOBAR PLANT	**Niagara Falls, NY**	**BU5-6631**
	CARBORUNDUM CO LATROBE PLANT	**Latrobe, Pa**	**KE7-3331**

	CARBORUNDUM CO	**Dept A B Niagara Falls, NY**	**BU5-6631**
Cal	Carborundum Co	2626 Malt Ave, Los Angeles 22, Cal	RA3-4866
Cal	Carborundum Co	Alviso Rd & Evelyn Ave, Mountain View	YO7-5571
Ga	Carborundum Co	5096 Peachtree Rd, N.E., Chamblee, Ga	GL7-4457
Ill	Carborundum Co	3335 W. 47th St, Chicago 32, Ill	LA3-7100
Mass	Carborundum Co	333 River St, West Springfield	RE9-7361
Mich	Carborundum Co	11171 Lappin Ave, Detroit 34, Mich	LA1-3400
Mo	Carborundum Co	4429 Ridgewood Ave, St. Louis 16, Mo	PL2-8600
NJ	Carborundum Co	34 Exchange Pl, Jersey City 2, NJ	HE4-2802
Ohio	Carborundum Co	24800 Lakeland Blvd, Cleveland 32, Ohio	RE1-8600
Pa	Carborundum Co	2600 Neville Rd, Pittsburgh 25, Pa	SP1-3740
Pa	Carborundum Co	Green Ln Rd, Bristol, Pa	ST8-5561

	CARDINAL CONTROL CO., INC	**34 Meadow St, New Britain, Conn**	**BA5-3195**
Conn	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Del	Frank L Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
DC	Frank L Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Me	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Md	Frank L Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Mass	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
NH	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
NJ	Frank L Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Pa	Frank L Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
RI	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Vt	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Canada	A Fred Penny	4800 Dundas St, W. Islington, Ont, Can	RE2-7957

	CARDINAL INSTRUMENTATION CORP	**4201 Redwood Ave, Los Angeles 66, Cal**	**TE0-6731**

	CARDWELL CONDENSER CORP	**80 E. Montauk Hwy, Lindenhurst, NY**	**TU8-5200**

	CARLING ELECTRIC INC	**505 New Park Ave, W. Hartford 10, Conn**	**AD2-4461**
Ala	Charles A Falte	209 78th St, N., Birmingham 6, Ala	
Ariz	Paul F Kelley Co	1632 Silverlake Blvd, L A 26, Cal	NO3-8028
Ark	Duane Hale	2633 Westminster Dr, Dallas, Tex	
Cal	Paul F Kelley Co	1632 Silverlake Blvd, L A 26, Cal	NO3-8028
Cal	G M Howard Associates	1301 Sixth St, San Francisco 7, Cal	S P MA1-6759
Colo	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Conn	Don M Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Del	William Cordts	P O Box 109, Easton, Pa	BL2-8300
DC	William Cordts	P.O. Box 109, Easton, Pa	BL2-8300
Fla	Don De Jonge	995 N.W. 132nd St, Miami 50, Fla	MU1-1642
Ga	Charles A Falte	209 78th St, N., Birmingham 6, Ala	
Idaho	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Ill	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Ill	Don D Darnell & Co	Mission State Bk. Bldg, Mission, Kan	RA2-1736
Ind	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Ind	Robert O Whitesell & Assoc	6620 E. Washington, Indianapolis	FL9-5374
Iowa	Don D Darnell & Co	Mission State Bk. Bldg, Mission, Kan	RA2-1736
Kan	Don D Darnell & Co	Mission State Bk. Bldg, Mission	RA2-1736
Ky	Robert O Whitesell & Associates	6620 E. Washington, Indianapolis 19, Ind	FL9-5374
La	Duane Hale	2633 Westminster Dr, Dallas, Tex	
Me	Don M Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Md	William Cordts	P.O. Box 109, Easton, Pa	BL2-8300
Mass	Don M Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Mich	Michael Industrial Controls	6460 Thurber, Birmingham, Mich	MA6-1606
Mich	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago, Ill	SP7-9525
Mich	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis 19, Ind	
Minn	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Miss	Charles A Falte	209 78th St, Birmingham 6, Ala	
Mo	Don D Darnell & Co	Mission State Bank, Mission, Kan	RA2-1736
Neb	Don D Darnell & Co	Mission State Bank Bldg, Mission, Kan	RA2-1736
Nev	Paul F Kelley Co	1632 Silverlake Blvd, Los Angeles 26, Cal	NO3-8028
Nev	G M Howard Associates	1301 Sixth St, San Francisco 7, Cal	S P MA1-6759
NH	Don Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
NJ	William Cordts	P.O. Box 109, Easton, Pa	BL2-8300
NJ	Kaelber & Mack	One Park Ave, Manhasset, NY	MA7-6620
NM	A J Nelson Co	710 E. Louisiana Ave Denver 10 Colo	PE3-5528
NY	Don Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
NY	William Cordts	P.O. Box 109, Easton, Pa	BL2-8300
NY	Kaelber & Mack	One Park Ave, Manhasset, NY	MA7-6620
NC	Don Hawthorne	Stony Point, Greenwood, SC	GL1-2897
Ohio	John A Lombardo Co	1447 Amberly Dr, Dayton, Ohio	TA6336
Okla	Duane Hale	2633 Westminster Dr, Dallas, Tex	
Pa	William Cordts	P.O. Box 109, Easton, Pa	BL2-8300
Pa	Tanner & Covert	300 Mt Lebanon Blvd, Pittsburgh	LO1-5067
RI	Don Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
SC	Don Hawthorne	Stony Point, Greenwood	GL1-2897
SD	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Tenn	Charles A Falte	209 78th St, N., Birmingham 6, Ala	
Tex	Duane Hale	2633 Westminster Dr, Dallas, Tex	
Utah	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Vt	Don Fraser	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Va	Don Hawthorne	Stony Point, Greenwood, SC	GL1-2897
W.Va	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh, Pa	LO1-5067
Wisc	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Wyo	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Foreign	Joseph A Gross Co	92 Liberty St, New York 6, NY	CO7-2090

	CARMAC AVIATION	**8414 San Fernando Rd, Sun Valley, Cal**	**ST7-5541**

	CARMER INDUSTRIES INC	**22 N. 26 St, Kenilworth, NJ**	

	CAROL CABLE DIV CRESCENT CO., INC	**20 Central Ave, Pawtucket, RI**	**PA2-3100**
Ark	James Venable	P.O. Box 2232, Little Rock	FR4-8825
Cal	Payne & Sloan	1101 E. 5th St, Los Angeles, Cal	MA4-7317
Ill	Gage & Co	818 Clinton Pl, Evanston	UN4-0606
Ill	McNeil-Kruzan Sales Co	561 E. Illinois St, Chicago 11, Ill	WH3-5448
Ind	Richard C Warner Assoc	P.O. Box 338, South Whitley	350
Kan	Walter Zimmerman	Box 3621, Munger Sta, Wichita 8	MU3-3161
Mo	M L Seyffert Associates	Box 32, Webster Grove Sta, St. Louis	ST1-6290
NY	Homer L Lacock	55 Ellingwood Dr, Rochester 18	GR3-5423
NY	Harold S Shapiro	119 E. 19th St, New York City, NY	GR3-1491
Ohio	Lobeli Associates	P.O. Box 762, Cleveland 22, Ohio	WA1-1490
Pa	Fred M Isenberg	457 N. 5th St, Philadelphia 23, Pa	WA5-6447
Tenn	Tom Jones	651 S. Cooper St, Memphis	BR6-4459
Tex	Maxson Co	703 Valencia St, Dallas 23, Tex	TA3-1739

	CAROL ELECTRONICS CORP	**315 W. Stephen St, Martinsburg, W. Va**	**AM7-8911**

	CAROLINA INDUSTRIAL PLASTICS CO	**Mt. Airy, NC**	**ST6-2127**

	CARPENTER MFG CO., INC	**Highbridge Rd, DeWitt 14, NY**	**GI6-0670**

	CARPENTER STEEL CO WEBB WIRE DIV	**New Brunswick, NJ**	**CH7-4668**

	CARPENTER STEEL CO	**6th & Washington St, Reading, Pa**	**FR4-8211**
Cal	Carpenter Steel Co	3009 E. 44th St, Los Angeles 58, Cal	LU3-9131
Cal	Carpenter Steel Co	1530 Industrial Way, Belmont, Cal	LY3-8461
Conn	Carpenter Steel Co	116 Front St, Bridgeport 6, Conn	EDS-1105
Conn	Carpenter Steel Co	3284 Main St, Hartford 5, Conn	JA7-7174
Ga	Carpenter Steel Co	Murphy & Bluff Sts, S.W., Atlanta, Ga	JA3-6472
Ill	Carpenter Steel Co	4501 James Pl, Melrose Park, Ill	FI5-5400
Ind	Carpenter Steel Co	1618 W. Washington St, Indianapolis 7	ME2-5401
Mich	Carpenter Steel Co	7170 E. McNichols Rd, Detroit 12, Mich	FO6-3400
Mo	Carpenter Steel Co	3942 Laclede Ave, St. Louis 8, Mo	OL2-6700
NJ	Carpenter Steel Co	1110 Globe Ave, Westfield, NJ	AD2-8600
NY	Carpenter Steel Co	3810 Union Rd, Buffalo 25, NY	NT4-3000
NY	Carpenter Steel Co	27-07 Bklyn-Queens Expwy, Woodside	RA1-9210
NY	Carpenter Steel Co	405 Denison Bldg, Syracuse 2, NY	HA2-0512
Ohio	Carpenter Steel Co	3811 Pacific Ave, Cincinnati 12, Ohio	RE1-5388
Ohio	Carpenter Steel Co	4901 W. 150th St, Cleveland 35, Ohio	SW3-5454
Ohio	Carpenter Steel Co	229 Leo St, Dayton 4, Ohio	BA4-7456
Ohio	Carpenter Steel Co	1034 Laskey Rd, Toledo 12, Ohio	GR4-0594
Pa	Carpenter Steel Co	Ft. Wash Industrial Pk, Ft. Wash, Pa	CH8-2500
Pa	Carpenter Steel Co	875 Greentree Rd, Pittsburgh 20, Pa	WA1-7755
RI	Carpenter Steel Co	66 Dudley St, Providence 5, RI	DE1-5769
Tex	Carpenter Steel Co	2502 Broad St, Houston 17, Tex	OL4-6564
Wash	Carpenter Steel Co	3318 White Henry Stuart Bldg, Seattle 1	MU2-2153
Wisc	Carpenter Steel Co	4152 N. 35th St, Milwaukee 16, Wisc	UP3-0530

	CARR FASTENER CO DIV UNITED-CARR	**31 Ames St, Cambridge 42, Mass**	**KI7-4900**
Ala	L G Hobbins	45 11th St, N.E., Atlanta 5, Ga	TR4-3026
Ariz	A C Maynard	1709 W. 8th St, L A 17, Cal	HU3-6810
Ark	W R McEwan	1500 Jackson St, Dallas, Tex	R2-5911
Cal	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Colo	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Conn	G V Sweetnam	378 Washington St, Wellesley Hills, Mass	CE5-7410
Del	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
DC	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
Fla	L G Hobbins	45 Eleventh St, N. E., Atlanta 5, Ga	TR4-3026
Ga	L G Hobbins	45 Eleventh St, N. E., Atlanta 5, Ga	TR4-3026
Idaho	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Ill	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Ind	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Iowa	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Kan	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Ky	I G Buchanan	190 Colony Way, Louisville 7, Ky	TW5-1064
La	L G Hobbins	45 Eleventh St, N.E., Atlanta 5, Ga	TR4-3026
Me	G V Sweetnam	378 Washington St, Wellesley Hills, Mass	CE5-7410
Md	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
Mass	G V Sweetnam	378 Washington St, Wellesley Hills 81	CE5-7410
Mich	W L Trafton	2832 E. Grand Blvd, Detroit 11, Mich	TR3-9500
Minn	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Miss	L G Hobbins	45 Eleventh St, N.E., Atlanta 5, Ga	TR4-3026
Mo	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Mont	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Neb	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Nev	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
NH	G V Sweetnam	378 Washington St, Wellesley Hills, Mass	CE5-7410
NJ	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
NM	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
NY	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
NC	L G Hobbins	45 Eleventh St, N.E., Atlanta 5, Ga	TR4-3026
ND	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Ohio	F B Williams	1468 W. 9th St, Cleveland 13, Ohio	TO1-7557
Okla	W R McEwan	1500 Jackson St, Dallas, Tex	RI2-5911
Ore	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Pa	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
RI	G V Sweetnam	378 Washington St, Wellesley Hills, Mass	CE5-7410
SC	L G Hobbins	45 Eleventh St, N.E., Atlanta 5, Ga	TR4-3026
SD	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Tenn	L G Hobbins	45 Eleventh St, N.E., Atlanta 5, Ga	TR4-3026
Tex	W R McEwan	1500 Jackson St, Dallas, Tex	RI2-5911
Utah	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Vt	G V Sweetnam	378 Washington St, Wellesley Hills, Mass	CE5-7410
Va	G S Maynard Jr	475 Fifth Ave, New York 17, NY	MU5-3932
Wash	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
W.Va	F B Williams	1468 W. 9th St, Cleveland 13, Ohio	TO1-7557
Wisc	S B Miles	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Wyo	A C Maynard	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810

	CARROLL PRESSED METAL INC	**133 Dewey St, Worcester, Mass**	**SW9-4116**

	CARRUTHERS & FERNANDEZ INC	**1501 Colorado Ave, Santa Monica, Cal**	**EX4-6768**

	CARSON MFG CO., INC	**2424 E. 55th St, Indianapolis 20, Ind**	**CL1-9591**

	CARSTEDT RESEARCH INC	**2501 E. 60th St, Long Beach 5, Cal**	**ME0-5821**

	CARTER MFG CORP	**23 Washington St, Hudson, Mass**	**JO2-2206**
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Conn	Glenn M Hathaway Electronics Inc	Box 797, Canaan, Conn	TA4-7215
Del	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
DC	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
Fla	Specialized Electronic Corp	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ill	S C Blaker Co	2353 N. Cal Ave, Chicago 47, Ill	BR8-1220
Ind	S C Blaker Co	2353 N. Cal Ave, Chicago 47, Ill	BR8-1220
Me	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Md	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Frank Villani	7008 Rosemary, Dearborn 6, Mich	LO3-4256
Minn	S C Blaker Co	2353 N. Cal Ave, Chicago 47, Ill	BR8-1220
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
NH	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
NY	Podeyn & Schmidt	420 Northern Blvd, Great Neck, NY	HU7-4173
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ohio	Frank Villani	7008 Rosemary, Dearborn 6, Mich	LO3-4256
Pa	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
RI	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
SC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Vt	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Va	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
Wisc	S C Blaker Co	2353 N. Calif Ave, Chicago 47, Ill	BR8-1220

	CARTER MOTOR CO	**2746 W. George St, Chicago 18, Ill**	**JU8-7700**
Ala	Floyd Fausett Co	209 - 78th St, N., Birmingham, Ala	VE6-5802
Alaska	Northwestern Agencies	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Ariz	Perlmuth Electronics Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Ark	M F Klicpera Co	Box 3113, Houston, Tex	JA2-8459
Cal	Harold Newman Co	56-41st Ave, San Mateo, Cal	FI1-3433
Cal	Perlmuth Electronics Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Hathaway Electronic Inc	238 Main St, Cambridge, Mass	KI7-0380
Del	H J Fairbanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
DC	H J Fairbanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
Fla	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ga	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Ind	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Iowa	A R Thibau Co	210 W. 8th Ave, Kansas City, Mo	VI2-7057
Kan	A R Thibau Co	210 W. 8th Ave, Kansas City, Mo	VI2-7057
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
La	M F Klicpera Co	Box 3113, Houston, Tex	JA2-8459
Me	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Md	H J Fairbanks Co	1615 Darby St, Havertown, Pa	GR2-2467
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Mich	Lawrence F Zaffina Co	7351 Gratiot St, Detroit, Mich	WA1-2885
Minn	A J Warner Co	5022-29th Ave, S., Minneapolis, Minn	PA9-7371
Miss	M F Klicpera Co	Box 3113, Houston, Tex	JA2-8459
Mo	A R Thibau Co	210 W. 8th Ave, Kansas City, Mo	VI2-7057
Mont	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Neb	A J Warner Co	5022-29th Ave, S., Minneapolis, Minn	PA9-7371
Nev	Harold L Newman Co	56-41st Ave, San Mateo, Cal	FI1-3433
NH	Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
NJ	H J Fairbanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
NJ	Carduner Sales Co	80 Shore Rd, Pt. Washington, NY	PO7-7700
NM	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
NY	R W Mitscher Co	Ellicott Sq Bldg, Buffalo, NY	WA2517

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Carpener Sales Co	80 Shore Rd, Pt. Washington, NY	PO7-7700
NC	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
ND	A J Warner Co	5022-29th Ave, Minneapolis, Minn	PA9-7371
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Okla	M F Kliegera Co	Box 3113, Houston, Tex	JA2-8459
Ore	Northwestern Agencies	4130 First Ave, Seattle, Wash	MA3-8882
Pa	H J Faubanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
Pa	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
RI	Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
SC	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
SD	A J Warner Co	5022-29th Ave, S., Minneapolis, Minn	PA9-7371
Tenn	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Tex	M F Kliegera Co	Box 3113, Houston, Tex	JA2-8459
Utah	Hyde Electronics Co	888 S. Logan St, Denver, Colo	WE6-3456
Vt	Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Va	H J Faubanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
Wash	Northwestern Agencies	4130 First Ave, Seattle, Wash	MA3-8882
W. Va	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
Wyo	Hyde Electronics Co	888 S. Logan St, Denver, Colo	WE6-3456
Canada	Charles W Pointon	66 Racine Rd, Rexdale, Ontario, Canada	CH7-8777
Foreign	Northwestern Agencies	4130 First Ave, Seattle, Wash	MA3-8882
Foreign	Carrington H Stone	205 W Wacker Dr, Chicago, Ill	RA6-7725

	CARTER PARTS CO	**3401 Madison St, Skokie, Ill**	**OR4-0340**
Cal	Harris-Keetke Sales Co	204 E. Millsdale Blvd, San Mateo, Cal	
Ill	J M Rinaldi	3317 Noyes, Evanston, Ill	
Mass	A Hubert	130 Westbourne Terr, Brookline, Mass	
Minn	Edwelcus & Associates	2635 University Ave, St. Paul, Minn	
NJ	John K Richard & Co	Rt. 46, Pine Brook, NJ	
NY	J V Costello	639 S. Warren St, Syracuse, NY	
Ohio	Thomas P Andrews & Co	3068 Livingston Rd, Cleveland, Ohio	
Pa	W Henry Cordray	18 W. Chelten Ave, Philadelphia, Pa	

	CASCADE RESEARCH DIV MONOGRAM	**5245 San Fernando Rd, W., Los Angeles 39, Cal**	**CL6-2575**

	CAST OPTICS CORP	**123 Newman St, Hackensack, NJ**	**HU9-4000**

	CASWELL ELECTRONICS CORP	**434 Queens Ln, San Jose 12, Cal**	**CY7-9333**
Conn	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Me	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Mass	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
NH	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
NJ	F & F Associates	15 Dorchester Rd, Emerson, NJ	CO2-4831
NY	F & F Associates	297 Cherry St, E. Meadow, NY	MU7-6477
NY	Naylor Electric Co., Inc	1718 Erie Blvd, E. Syracuse 3, NY	GR2-9183
NY	F & F Associates	15 Dorchester Rd, Emerson, NJ	CO2-4831
RI	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Vt	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Foreign	Sylvan Ginsbury Ltd	8 W. 40 St, New York 18, NY	LO4-7585

	CATALIN CORP OF AMERICA	**1 Park Ave, New York 16, NY**	**MU3-2100**
Cal	Catalin Corp of America	440 Seaton St, Los Angeles, Cal	MA6-1694
Ill	Catalin Corp of America	221 N. LaSalle St, Chicago, Ill	CE6-3066
Mass	Catalin Corp of America	99 Prescott Ave, Worcester, Mass	SW9-0847
Mich	Catalin Corp of America	3570 W. Grand Blvd, Detroit, Mich	TR3-6096
NC	Catalin Corp of America	Thomasville, NC	TH7-4141
Ohio	Catalin Corp of America	P.O. Box 695, Hudson, Ohio	OL3-5482

	CATALYST RESEARCH CORP	**6101 Falls Rd, Baltimore 9, Md**	**DR7-7100**
	CAVITRON ELECTRON OSCILLATOR DIV SHORT WAVE PLASTIC FORMING CO	**355 N. Newport Blvd, Newport Beach, Cal**	**LB-6123**

	CELANESE PLASTICS CO A DIV OF CELANESE CORP OF AMERICA	**744 Broad St, Newark 2, NJ**	**HU2-6800**
Cal	R J Hough	3460 Wilshire Blvd, Los Angeles 5, Cal	DU1-3073
DC	C W Hayes	1025 - 17th St, N.W., Washington, DC	Executive
Ga	C H Edgar	3130 Maple Dr, N.E., Atlanta 5, Ga	CE7-8687
Ill	A B Leva	6050 W. Touhy Ave, Chicago 48, Ill	NE1-8600
Mass	R K Thomson	27 Main St, Leominster, Mass	KE4-9346
Mich	W C Eisele	2942 W. Grand Blvd, Detroit 2, Mich	TR1-1383
Mo	J E Lynch	200 S. Bemiston Ave, St. Louis 5, Mo	VO3-3421
NY	J T Growley	180 Madison Ave, New York 16, NY	MU9-6000
Ohio	A W Sackinson	1422 Euclid Ave, Cleveland 15, Ohio	CH1-0900
Foreign	Amcel Co., Inc	180 Madison Ave, New York 16, NY	MU9-6000

	CELCO CONSTANTINE ENGINEERING LABS CO	**P.O. Box 555, Mahwah, NJ**	**DA7-1123**

	CENTRAL COIL CO	**1722 N. Luett St, Indianapolis, Ind**	**ME2-6344**

	CENTRAL DYNAMICS LTD	**147 Hymus Blvd, Pte Claire, Quebec, Can**	**OX7-0810**
Canada	Aeromotive Engrg Products Ltd	147 Hymus Blvd, Pte Claire, Quebec, Can	OX7-0810
Canada	Aeromotive Engrg Products Ltd	1912 Avenue Rd, Toronto, Ontario, Canada	RU3-4288

	CENTRAL ELECTRONIC MFRS DIV OF NUCLEAR CORP OF AMERICA	**2 Richmond Pl, Denville, NJ**	**OA7-4200**
Ala	Walter Callaway	1437 Kenilworth Dr, S.W., Atlanta, Ga	PL5-5318
Ark	Wm C Aaker	3038 Rotan Ln, Dallas, Tex	FL1-0917
Cal	Carl A Stone Associates	825 San Antonio Rd, Palo Alto, Cal	DA6-0057
Cal	Clyde B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
Conn	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Del	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Fla	Allison F Martin	711 Magnolia Ave, Orlando, Fla	
Fla	Alfred Knudsen	70 N. W. 36th Ct, Miami, Fla	
Ga	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Ill	W G Brouillette & Associates	1558 New Castle Ave, Westchester, Ill	FI5-6500
Iowa	Gordon Fixman	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Kan	Gordon Fixman	8160 Stanford Ave, St. Louis, Mo	PA5-5219
La	Wm C Aaker	3038 Rotan Ln, Dallas, Tex	FL1-0917

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Md	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Mass	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Minn	W G Brouillette & Associates	1558 New Castle Ave, Westchester, Ill	FI5-6500
Mo	Gordon Fixman	8160 Stanford Ave, St. Louis, Mo	PA5-5219
NH	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
NJ	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
NY	Midstate Research Sales Co	327 Wellsley Rd, Syracuse, NY	GR6-0541
NC	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Okla	Wm C Aaker	3038 Rotan Ln, Dallas, Tex	FL1-0917
Pa	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
RI	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
SC	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Tex	Wm C Aaker	3038 Rotan Ln, Dallas, Tex	FL1-0917
Vt	George J Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Va	Wm Jones	1107 Hampton Ct, N., Towson, Md	EN1-0600
Wisc	W G Brouillette & Associates	1558 New Castle Ave, Westchester, Ill	FI5-6500

	CENTRAL ELECTRONICS INC	**1247 W. Belmont Ave, Chicago 13, Ill**	**EA7-7460**

	CENTRAL PORCELAIN CO	**P.O. Box 42, Columbiana, Ohio**	**IV2-3313**
Cal	Weingart & Lustig	1567 E. 25th St, Los Angeles 11, Cal	AD3-4111
Ill	J P Sutton & Son Inc	3919 Wesley Terr, Schiller Park, Ill	NA5-8383
Mass	Associates Agencies Inc	265 Ruggles St, Boston 20, Mass	
Ohio	Wm A Hawkins Inc	2140 Scranton Rd, Cleveland 13, Ohio	MA1-2883
Pa	Springel Sales Co	325 N. Franklin, Philadelphia 6, Pa	WA5-7831
Tex	Spies & Associates	5523 Dyer St, Dallas 6, Tex	EM8-5298
Canada	E L LaMountain & Co	4095 Melrose Ave, Montreal 28, Canada	HU4-9685

	CENTRAL RESEARCH LABS INC	**Red Wing, Minn**	**DU8-3566**

	CENTRAL SCIENTIFIC CO	**1700 Irving Park Rd, Chicago 13, Ill**	**WE5-8600**
Ala	Central Scientific Co	3232 Eleventh Ave, N., Birmingham, Ala	
Cal	Central Scientific Co of Cal	6446 Telegraph Rd, Los Angeles, Cal	
Cal	Central Scientific Co of Cal	1040 Martin Ave, Santa Clara, Cal	
Mass	Central Scientific Co	79 Amherst St, Cambridge, Mass	
NJ	Central Scientific Co	237 Sheffield St, Mountainside, NJ	
Canada	Central Scientific Co	146 Kendall Ave, Toronto, Ontario, Canada	
Foreign	Cenco Instrumenten	Koningenbergweg 40, Breda, The Netherlands	

	CENTRAL SCREW CO	**3501 S. Shields Ave, Chicago 9, Ill**	**BO8-6000**
Ala	W L Hughes	411 Marine Bldg, New Orleans, La	JA5-0679
Alaska	National Co., The	70 Marion St, Seattle, Wash	MU2450
Ariz	Central Screw Co	2901 S. Tanager Ave, Los Angeles, Cal	RA3-9666
Ark	Ronald Larsen & Co	P.O. Box 20057, Houston, Tex	MA1915
Cal	Central Screw Co	2901 S. Tanager Ave, Los Angeles, Cal	RA3-9666
Conn	John Dinkel	19 Eastern Ave, Keene, NH	EL2-4150
Del	R Brosius	1617 Pennsylvania Blvd, Philadelphia, Pa	LO3-6524
DC	E Brown	1316 Robinson Ave, Havertown, Pa	SU9-6841
Fla	H Hoffner	P.O. Box 4346, Jacksonville, Fla	EV9-2220
Ga	H Hoffner	P.O. Box 4346, Jacksonville, Fla	EV9-2220
Hawaii	Hal Baex	P.O. Box 945, Oakland, Cal	
Idaho	National Co., The	70 Marion St, Seattle, Wash	MU2450
Ind	Central Screw Co	3501 S. Shields Ave, Chicago	BO8-6000
Iowa	J A & R J Clancey Co	3527 Broadway, Kansas City, Mo	WE1-3090
Kan	J A & R J Clancey Co	3527 Broadway, Kansas City, Mo	WE1-3090
Ky	Richard Stratton	3818 Chatham Rd, Louisville, Ky	GL4-7852
La	W L Hughes	411 Marine Bldg, New Orleans, La	JA5-0679
Me	Thomas W Brooks	151 Bass Point Rd,	JU1-0778
Md	R Brosius	1617 Pennsylvania Blvd, Philadelphia, Pa	LO3-6524
Md	E Brown	1316 Robinson Ave, Havertown, Pa	SU9-6841
Mass	Thomas W Brooks	151 Bass Point Rd	JU1-0778
Mich	Ed Stozek	Central Screw, Chicago, Ill	BO8-6000
Minn	Vincent Brass Screw & Bolt Co	124 12th St, Minneapolis, Minn	BR5145
Miss	W L Hughes	411 Marine Bldg, New Orleans, La	JA5-0679
Mo	F H Martin	1110 Berchman Ln, St. Louis, Mo	UN4-6986
Mont	National Co., The	70 Marion St, Seattle, Wash	MU2450
Neb	J A & R J Clancey	3527 Broadway, Kansas City, Mo	WE1-3090
Nev	Central Screw Co	2901 S. Tanager Ave, Los Angeles, Cal	RA3-9666
NH	Roger Gilbert	310 Marlboro Rd, Keene, NH	EL2-5135
NJ	R Brosius	1617 Pennsylvania Blvd, Philadelphia, Pa	LO3-6524
NY	R S Christie & Co	175 Fifth Ave, New York, NY	GR7-4226
NY	R S Christie & Co	175 Fifth Ave, New York, NY	GR7-4226
NC	H Hoffner	P.O. Box 4346, Jacksonville, Fla	EV9-2220
ND	Vincent Brass Screw & Bolt Co	124 12th St, Minneapolis, Minn	BR5145
Ohio	Harry Leitch	2936 Corydon Rd, Cleveland Hghts, Ohio	YE2-1476
Ohio	Harry Leitch	2936 Corydon Rd, Clev Hghts, Ohio	YE2-1476
Okla	J A & R J Clancy Co	3527 Broadway, Kansas City, Mo	WE1-3090
Ore	National Co	70 Marion St, Seattle, Wash	MU2450
Pa	R Brosius	1617 Pennsylvania Blvd, Philadelphia, Pa	LO3-6524
Pa	E Brown	1316 Robinson Ave, Havertown, Pa	SU9-6841
SC	H Hoffner	P.O. Box 4346, Jacksonville, Fla	EV9-2220
SD	Vincent Brass Screw & Bolt Co	124 12th St, Minneapolis, Minn	BR5145
Tex	Ronald Larsen & Co	P.O. Box 20057, Houston, Tex	MA1915
Vt	Jack Dinkel	18 Eastern Ave, Keene, NH	EL2-5121
Va	E Brown	1316 Robinson Ave, Havertown, Pa	SU9-6841
Wash	National Co., The	70 Marion St, Seattle, Wash	MU2450
W.Va	E Brown	1316 Robinson Ave, Havertown, Pa	SU9-6841

	CENTRAL TRANSFORMER CO	**910 W. Jackson Blvd, Chicago, Ill**	**TA9-1936**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Cal	M B Gilbert Co., Inc	7923 Emerson Ave, Los Angeles 45, Cal	OR8-3418
Conn	Bordenweck Engineering Sales Co	221 Grove St, Braintree, (Boston 85) Mass	VI3-0845
DC	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	LO5-0960
Fla	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Me	Bordenweck Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass	VI3-0845
Md	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	LO5-0960
Mass	Bordenweck Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass	VI3-0845
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Nev	M B Gilbert Co., Inc	7923 Emerson Ave, Los Angeles 45, Cal	OR8-3418
NH	Bordenweck Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass	VI3-0845
NJ	George Weiland	76-49 168th St, Flushing 66, NY	OL8-4061
NM	M B Gilbert Co., Inc	7923 Emerson Ave, Los Angeles 45, Cal	OR8-3418

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	George Weiland	76-49 168th St, Flushing 66, NY	OL8-4061
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
RI	Bordenweck Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass	VI3-0845
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Vt	Bordenweck Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass	VI3-0845
Va	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	LO5-0960
W.Va	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	LO5-0960

	CENTRALAB ELECTRONICS DIV GLOBE UNION INC	**914Y E. Keefe Ave, Milwaukee 1, Wisc**	**WO2-9200**
Ala	Al S Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Ariz	Walter S Harmon Co	Box 1380, Beverly Hills, Cal	OL2-5616
Ark	Al S Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Ark	Robert E Nesbitt	1925 Cedar Springs, Dallas, Tex	RI7-5824
Cal	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Cal	Walters S Harmon Co	Box 1380, Beverly Hills, Cal	OL2-5616
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver	SK6-1589
Conn	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Del	S K MacDonald Co	1531 Spruce St, Philadelphia, Pa	KI5-1205
DC	S K MacDonald Co	1531 Spruce St, Philadelphia, Pa	KI5-1205
Fla	Frank Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2752
Fla	Al S Engleman	3205 Crump Ave, Memphis, Tenn	GL8-6263
Ga	Frank Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2752
Hawaii	Jim Haslin Sales Co	2663 Terrace Dr, Honolulu	9-98910
Idaho	McCloud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Idaho	J J Backer Co	221 W. Galer St, Seattle, Wash	AT3-6470
Ill	Tiegs & MacDonald	5308 W. Diversey, Chicago	PA5-5366
Ill	Earl T Champion	6459 W. Sheridan Rd, Chicago	AM2-3565
Ill	Jerry Vrbik	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Ill	Theodore B Lowell	Creve Coeur Br, Box 26, St. Louis, Mo	MI7111
Ind	Les M Devoe	4010 Washington Blvd, Indianapolis	AT3-1395
Ind	Earl T Champion	6459 W. Sheridan, Chicago, Ill	AM2-3565
Iowa	Jerry Vrbik	419 3rd St, S.E., Cedar Rapids	EM5-0461
Kan	George Kangas Sales Co	10506 W. 89th St, Overland Park	TU8-5213
Ky	Les M Devoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
La	Al S Engleman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
La	Robert E Nesbitt	1925 Cedar Springs, Dallas, Tex	RI7-5824
Me	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Md	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Mass	Stanley A Harris Co	1241 Highland Ave, Needham	HI4-4780
Mich	R C Merchant	18411 W. McNichols Rd, Detroit, Mich	KE5-6000
Minn	Merrill K Franklin	338 E. Franklin Ave, Minneapolis	FE6-2315
Miss	Al S Engleman	3205 Crump Ave, Memphis, Tenn	GL8-6263
Mo	Theodore B Lowell	Creve Coeur Br, Box 26, St. Louis, Mo	MI7111
Mo	G Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Mont	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
Mont	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AT3-6470
Neb	Jerry Vrbik	419 3rd St, S. E., Cedar Rapids, Iowa	EM5-0461
Neb	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
Nev	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
NH	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
NJ	David P Galasso	382 Franklin Ave, Nutley	WO1-1300
NJ	Jerome Bresson	246 Haverford Ave, Narbeth, Pa	GR7-3800
NM	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
NY	David P Galasso	382 Franklin Ave, Nutley, NJ	WO1-1300
NY	George P Marron	712 Norman Pl, Westfield, NJ	AD2-9468
NY	Wilson H Zimmerman	112 Dewitt St, Syracuse 3, NY	GR4-4489
NY	Leroy R Mouritz Inc	RD 2, Phelps, Amsterdam	KI8-4891
NC	Frank Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2752
ND	Merrill K Franklin	338 E. Franklin, Minneapolis, Minn	FE6-2315
Ohio	Les M Devoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
Ohio	Allen Nace Co	Box 146, Brecksville	JA6-4323
Okla	Robert E Nesbitt	1925 Cedar Springs, Dallas, Tex	RI7-5824
Ore	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AT3-6470
Pa	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Pa	Jerome Bresson Associates	246 Haverford Ave, Narbeth	GR7-3800
Pa	Allen Nace	Box 146, Brecksville, Ohio	
RI	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
SC	Frank Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2752
SD	Merrill K Franklin	338 E. Franklin, Minneapolis, Minn	FE6-2315
Tenn	Al S Engleman	3205 Crump Ave, Memphis, Tenn	GL8-6263
Tex	Robert E Nesbitt	1925 Cedar Springs, Dallas	RI7-5824
Utah	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
Vt	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Va	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Wash	James J Backer Co	221 W. Galer St, Seattle, Wash	AT3-6470
W.Va	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Wisc	Earl T Champion	6459 W. Sheridan, Chicago, Ill	AM2-3565
Wisc	Merrill K Franklin	338 E. Franklin, Minneapolis, Minn	FE6-2315
Wyo	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
Canada	Centralab Canada Ltd	Box 490, Ajax, Ontario, Canada	AJ320
Canada	D E McLennan	1624 W. 3rd Ave, Vancouver 9, B C, Can	BA9251

	CENTRE CIRCUITS INC	**1101 N. Atherton St, State College, Pa**	**AD8-0514**
Cal	Etchomatic Inc	450 9th St, San Francisco 3, Cal	UN3-0317
Cal	T L Stevens Co	15222 Grevillea, Lawndale, Cal	OS9-1419
Cal	Electrokem Inc	1549 N. Firstborn Ave, Los Angeles 63,	AN1-8106
Ill	General Platemakers Supply Co	5441 N. Kedzie, Chicago, Ill	IN3-2411
Mass	Etchomatic Inc	182 Newton St, Waltham 54, Mass	TW3-2020
NY	Printed Circuit Equip & Supply Corp	121 Varick St, New York 13, NY	WA4-1560
Pa	Etchomatic Inc	1923 W. Cheltenham Ave, Phila 26, Pa	CA4-1740

	CENTRONIX INC	**4000 N.W. 28th St, Miami 42, Fla**	**NE3-2505**

	CENTURY ELECTRIC CO	**1806 Pine St, St Louis 3, Mo**	**CE1-4920**
Ala	J B Bell	130 Finley Ave, W., Birmingham, Ala	FA2-1181
Cal	J J Fryer	1855 Industrial St, Los Angeles 1, Cal	MA7-8526
Cal	F Hall	555-557 Monadnock Bldg, San Francisco 5,	SU1-2070
Colo	M Mueller	1644 Blake St, Denver 2, Colo	AC2-3515
Conn	J Hoffberger	401 Cryswand Bldg, Hartford 3, Conn	CH6-5405
Fla	B Tebo	1 David Bldg, Jacksonville 6, Fla	EL3-1162
Ga	T McKamy	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-5600
Ill	W Seneff	6835 W. Higgins Rd, Chicago 31, Ill	SP4-6969
Ind	R Biller	715 State Life Bldg, Indianapolis 4, Ind	ME7-8233

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Iowa	R Emo	201 Plaza Bldg, Bettendorf, Iowa	5-4775
La	E Reed	501 N. St. Patrick St, New Orleans 19,	GA3106
Md	R Jethro	2019 Maryland Ave, Baltimore 18, Md	BE5-3529
Mass	W C Kopf	145 Summer St, Boston 10, Mass	LI2-3470
Mich	R Kelly	900 Monroe Ave, N.W., Grand Rapids 2,	GL4-5888
Mich	K Schmidt	620 New Center Bldg, Detroit 2, Mich	TR1-0260
Minn	M Torkelson	609 Calhoun Commercial Bldg, Minnpls 8,	TA7-2575
Mo	T Witt	220 Plaza Theatre Bldg, Kansas City 12,	VA1-4161
Neb	G Hodgeskiss	619 City Nat'l Bank Bldg, Omaha, Neb	AT1574
NY	C C Groll	1507 Elmwood Ave, Buffalo 17, NY	DE7484
NY	H Knappenberger	647 S. Warren St, Syracuse 2, NY	HA2-0473
NY	G Ryan	7 Commercial Ave, Fairview, NJ	WH3-4900
Ohio	F Hatfield	16115 Puritas Ave, Cleveland 35, Ohio	OR1-2900
Ohio	P Williams	410 American Bldg, Cincinnati 2, Ohio	PA1-6625
Wash	T Bender	3420 E. Marginal Way, Seattle 4, Wash	MA4-8443
Tex	A Hill	752 M & M Bldg, Houston 2, Tex	CA8-2384
Va	B G Sipes	3318 W Carey St, Richmond, Va	ELg-2077
Utah	L Lowder	1482 Major St, Salt Lake City 14, Utah	IN7-5489
Okla	R Andrews	1022 Kennedy, Tulsa 3, Okla	GI7-8221
Ore	D Vick	1238 N.W. Glisan St, Portland 9, Ore	CA6-6251
Pa	J J Kochelek	3105 Banksville Rd, Pittsburgh 16, Pa	CO1-3129
Tex	V Cox	622 Texas Bank Bldg, Dallas 2, Tex	RI8-8477
Pa	J Hicks	1 Balz Ave, Bala Cynwyd, Pa	GR7-4407
Wash	B Bird	E. 800 Front Ave, Spokane 2, Wash	HU7-1502
Wisc	F L Seattle	1002 Wisconsin Tower Bldg, Milwaukee,	BR3-6620
	CENTURY ELECTRONICS & INSTRUMENTS	**1333 N. Utica, Tulsa, Okla**	**LU4-7111**
Cal	Aerosupply-Aero Eng Div	9815 Wilshire Blvd, Beverly Hills, Cal	BR2-8111
Cal	Aerosupply-Aero Eng Div	207 Town & Country Village, Palo Alto	DA2-9004
Cal	Aerosupply-Aero Eng Div	3380 Harbor Dr, San Diego, Cal	CY8-1121
Colo	Aerosupply-Aero Eng Div	3311 S. Broadway, Englewood, Colo	SU9-0591
Fla	Aerosupply-Aero Eng Div	2050 W. Fairbanks, Winter Park, Fla	MI7-2947
Ga	Aerosupply-Aero Eng Div	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Ill	Aerosupply-Aero Eng Div	4302 Warren Ave, Hillside, Ill	AL7-5446
Ind	Aerosupply-Aero Eng Div	3440 N. Meridian St, Indianapolis 8, Ind	WA5-3528
Kan	Aerosupply-Aero Eng Div	612 S. Oliver, Wichita 18, Kan	MU3-7518
Md	Aerosupply-Aero Eng Div	7215 York Rd, Baltimore 12, Md	VA3-4101
Mass	Aerosupply-Aero Eng Div	14 Spring St, Waltham, Mass	TW4-9165
Mich	Aerosupply-Aero Eng Div	15823 W. McNichols Rd, Detroit 35, Mich	BR3-7238
Minn	Aerosupply-Aero Eng Div	5407 Excelsior Blvd, Minneapolis 16	WA2-0848
Mo	Aerosupply-Aero Eng Div	Box 6247, Lambert Field, St. Louis 21	PE1-0983
NY	Aerosupply-Aero Eng Div	220 Old Country Rd, Mineola, NY	PI7-8686
NY	Aerosupply-Aero Eng Div	2360 James St, Syracuse 6, NY	HO3-8531
Ohio	Aerosupply-Aero Eng Div	P.O. Box 3925, Whitehall Sta, Columbus 13	BE1-2758
Pa	Aerosupply-Aero Eng Div	1310 Russell Rd, Paoli, Pa	NI4-1450
Tex	Aerosupply-Aero Eng Div	P.O. Box 1905, Ft Worth, Tex	ED5-4541
Wash	Aerosupply-Aero Eng Div	10633 N.E. 8th St, Bellevue, Wash	GL4-7922
	CENTURY PLATING CO	**229 Ferris Ave, White Plains, NY**	**WH8-3777**
	CERAMASEAL INC	**P.O. Box 25, New Lebanon Center, NY**	**WE3-5851**
Cal	C W Saxon & Associates	1409-B W. Alameda, Burbank, Cal	TH5-7500
Cal	John E Striker Co	P.O. Box 548, San Carlos, Cal	LY1-0736
Ill	Harry Halmton	6400 N. Leoti Ave, Chicago 46, Ill	RO3-2132
NY	John Lazor	P.O. Box 307, Rochester 1, NY	LU6-6619
	CERAMCO INC CHEMISTS	**175 Ridge St, Newark, NJ**	**HU4-5900**
	CERBERUS AG	**Mannedorf, Switzerland**	**F41555**
	CERIUM METALS & ALLOYS DIV. RONSON METALS CORP	**55 Manufacturers Pl, Newark 5, NJ**	**MA4-1380**
	CERRO DE PASCO SALES CORP	**300 Park Ave, New York 22, NY**	**MU8-8822**
Ala	Bolden Die Supply Co	1171 Lee St, S.W., Atlanta 10, Ga	PL3-4181
Alaska	Lewin-Mathes Co	1056 4th Ave, S., Seattle 4, Wash	MA6733
Ariz	Peck-Lewis Corp	4436 Long Beach Ave, L. A, Cal	AD3-7146
Ark	Metal Goods Corp	1970 Latham St, Memphis, Tenn	WH8-3407
Cal	Peck-Lewis Corp	4436 Long Beach Ave, Los Angeles, Cal	AD3-7146
Colo	Metal Goods Corp	4343 Holly St, Denver 16, Colo	DU8-4141
Conn	L Heres DeWyk & Co., Inc	89 Maine St, Ansonia, Conn	RE4-5681
Del	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
DC	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
Fla	Bolden Die Supply Co	1171 Lee St, S.W., Atlanta, Ga	PL3-4181
Ga	Bolden Die Supply Co	1171 Lee St, S.W., Atlanta, Ga	PL3-4181
Hawaii	Peck-Lewis Corp	4436 Long Beach Ave, Los Angeles, Cal	AD3-7146
Idaho	Lewin-Mathes Co	1056 4th Ave, S., Seattle 4, Wash	MA6733
Ill	Sterling Products Co., Inc	121 N. Jefferson, Chicago 6, Ill	ST2-1126
Ill	Metal Goods Corp	8800 Page Blvd, St. Louis, Mo	HA7-1234
Ind	Sterling Products Co., Inc	121 N. Jefferson, Chicago, Ill	ST2-1126
Ind	Metal Goods Corp	8800 Page Blvd, St. Louis, Mo	HA7-1234
Iowa	Sterling Products Co., Inc	121 N. Jefferson, Chicago, Ill	ST2-1126
Iowa	Metal Goods Corp	8800 Page Blvd, St. Louis, Mo	HA7-1234
Kan	Metal Goods Corp	1300 Burlington Ave, N., Kansas City, Mo	GR1-3516
Ky	Metal Goods Corp	8800 Page Blvd, St. Louis, Mo	HA7-1234
Ky	Die Supply Div E W Bliss	1254 Stanley Ave, Dayton, Ohio	BA4-9691
La	Metal Goods Corp	Box 286, New Orleans, La	JA2-7373
Me	Lewin-Mathes Corp	729 Boylston St, Boston, Mass	CO7-1195
Md	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
Mass	Lewin-Mathes Co	729 Boylston St, Boston, Mass	CO7-1195
Mich	Die Supply E W Bliss	6770 E. Davison St, Detroit, Mich	FO6-2480
Mich	Gulfberg Industrial Equipment Corp	1805 E. Nine Mile Rd, Ferndale, Mich	JO6-1535
Minn	Lewin-Mathes Co	1015 Third St, N., Minneapolis, Minn	FE9-7883
Minn	Northern Mach'y & Supply Co	2010 Minnehaha Ave, S., Minnpls, Minn	FE5-1125
Miss	Metal Goods Corp	Box 286, New Orleans, La	JA2-7373
Mo	Metal Goods Corp	1300 Burlington, N., Kansas City, Mo	GR1-3516
Mo	Metal Goods Corp	8800 Page Blvd, St. Louis, Mo	HA7-1234
Mont	Lewin-Mathes Co	1056 4th Ave, S., Seattle, Wash	MA6733
Neb	Metal Goods Corp	1300 Burlington, N. Kansas City, Mo	GR1-3516
Nev	Peck-Lewis Corp	4436 Long Beach Ave, Los Angeles, Cal	AD3-7146
NH	Lewin-Mathes Co	729 Boylston St, Boston, Mass	CO7-1195
NJ	Belmont Smelt & Refin Works	330 Belmont Ave, Brooklyn, NY	DI2-4900
NJ	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
NM	Metal Goods Corp	2816 Virgina Ave, N.E., Albuquerque, NM	
NY	Belmont Smelt & Refin Wks	330 Belmont Ave, Brooklyn, NY	DI2-4900
NY	Ontario Metal Supply Inc	691 Exchange St, Rochester, NY	HA6-1630
NC	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
NC	Lewin-Mathes Co	1015 Third St, N., Minneapolis, Minn	FE9-7883
Ohio	Die Supply Div E W Bliss Co	1254 Stanley Ave, Dayton, Ohio	BA4-9691
Ohio	Die Supply Div E W Bliss Co	1400 Brook Park Rd, Cleveland, Ohio	SH1-9000
Okla	Metal Goods Corp	Box 8337, Tulsa, Okla	GI7-4101
Ore	Lewin-Mathes Co	1056 4th Ave, S., Seattle, Wash	MA6733
Pa	Die Supply Div E W Bliss Co	1400 Brook Park Rd, Cleveland, Ohio	SH1-9000
Pa	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
RI	L Heres DeWyk & Co., Inc	89 Maine St, Ansonia, Conn	RE4-5681
SC	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
SD	Lewin-Mathes Co	1015 Third St, N., Minneapolis, Minn	FE9-7883
Tenn	Metal Goods Corp	1970 Latham St, Memphis, Tenn	WH8-3407
Tex	Metal Goods Corp	6211 Cedar Springs Rd, Dallas, Tex	EL3271
Tex	Metal Goods Corp	Rick Rd at Doris St, Houston, Tex	FA3-0141
Utah	Peck-Lewis Corp	4436 Long Beach Ave, Los Angeles, Cal	AD3-7146
Vt	L Heres DeWyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Va	Jackson-Walter Co	2027 Arch St, Philadelphia, Pa	LO3-7470
Wash	Lewin-Mathes Co	1056 4th Ave, Seattle, Wash	MA6733
Wisc	Williams-Collins Inc	4065 N. Montreal St, Milwaukee, Wisc	UP3-5040
Wyo	Metal Goods Corp	4343 Holly St, Denver, Colo	DU8-4141
Canada	Canada Metal Co Ltd	721 Eastern Ave, Toronto, Ontario, Canada	
Canada	Canada Metal Co Ltd	6265 Notre Dame St, E., Montreal, Quebec, Canada	
Foreign	Mining & Chemical Products Ltd	86 Strand, London W C 2, England	
	CETEC CORP	**1400 Industrial Way, Redwood City, Cal**	**EM9-5913**
Conn	Radio Shack Corp	230 Crown St, New Haven, Conn	SP7-6871
Mass	Radio Shack Corp	730 Commonwealth Ave, Boston, Mass	RE4-1000
NJ	Rutgers Video Corp	324 Raritan Ave, Highland Park, NJ	CH7-8383
NY	James A Ford Associates	Larkspur Rd, Stamford, Conn	DA2-5249
	CHADWICK HELMUTH CO	**472 E. Duarte Rd, Monrovia, Cal**	**ELB-4567**
Ala	S S Lee Associates	300 Utilities Bldg, Huntsville, Ala	JE6-0631
Conn	Equipment Sales Co	Box 6098, New Haven 17, Conn	CH8-5581
Del	Tek-Sel, Inc	54 Rt 17, Paramus, NJ	HU9-7210
DC	S S Lee Associates	2521 Emmalls, Wheaton, Md	LO5-3066
Fla	S S Lee Associates	Box 7896, Orlando, Fla	CH1-4445
Ga	S S Lee Associates	Box 906, Winston-Salem, NC	ST8-0431
Ill	Maher Engineering Co	4335 W. Peterson, Chicago 30, Ill	PE6-8747
Ind	Maher Engineering Co	4335 W. Peterson, Chicago 30, Ill	PE6-8747
Iowa	Maher Engineering Co	4335 W. Peterson, Chicago 30, Ill	PE6-8747
Ky	Lowry-Dietrich Co	1276 W. Third, Cleveland, Ohio	SU1-1855
Me	Equipment Sales Co	Box 6098, New Haven 17, Conn	CH8-5581
Md	S S Lee Associates	2521 Emmalls, Wheaton, Md	LO5-3066
Mass	Equipment Sales Co	5 Elm St, Danvers, Mass	SP4-2400
Minn	Maher Engineering Co	4335 W. Peterson, Chicago, Ill	PE6-8747
Mo	Maher Engineering Co	4335 W. Peterson, Chicago, Ill	PE6-8747
NH	Equipment Sales Co	P.O. Box 6098, New Haven 17, Conn	CH8-5581
NJ	Tek-Sel Inc	54 Rt 17, Paramus, NJ	HU9-7210
NY	Tek-Sel Inc	54 Rt 17, Paramus, NJ	HU9-7210
NC	S S Lee Associates	Box 906, Winston Salem, NC	ST8-0431
Ohio	Lowry-Dietrich Co	1276 W. Third, Cleveland, Ohio	SU1-1855
Ohio	Lowry-Dietrich Co	333 W. First, Dayton, Ohio	BA3-6042
Pa	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
Pa	Tek-Sel Inc	Hatboro, Pa	OS2-1069
RI	Equipment Sales Co	P.O. Box 6098, New Haven 17, Conn	CH8-5581
SC	S S Lee Associates	Box 906, Winston Salem, N C	ST8-0431
Tenn	S S Lee Associates	Box 7896, Orlando, Fla	CH1-4445
Vt	Equipment Sales Co	P.O. Box 6098, New Haven 17, Conn	CH8-5581
Va	S S Lee Associates	2521 Emmalls, Wheaton, Md	LO5-3066
W.Va	S S Lee Associates	2521 Emmalls, Wheaton, Md	LO5-3066
Wisc	Maher Engineering Co	4335 W. Peterson, Chicago, Ill	PE6-8747
	CHANCE VOUGHT AIRCRAFT INC	**Box 5907, Dallas 22, Tex**	**AN2-3211**
Cal	Chance Vought	690 N. Sepulveda Blvd, El Segundo, Cal	OR8-6785
DC	Forbes Mann	1000 Connecticut Ave, N.W., Washington	RE7-1655
NY	Carlton A Von Emon	600 Old Country Rd, Garden City, NY	PI1-5670
Ohio	B J Anthony	333 W. First St, Dayton, Ohio	BA4-0549
Foreign	Forrest Morgan	55 Ave George V, Paris VIII, France	
	CHANNEL MASTER CO	**Ellenville, NY**	**EL1300**
	CHART-PAK INC	**Leeds, Mass**	
	CHASE BRASS & COPPER CO	**236 Grand St, Waterbury 20, Conn**	**PL6-9444**
Ala	Chase Brass & Copper Co	695 Stewart Ave, S.W., Atlanta 10, Ga	PL5-5731
Alaska	Chase Brass & Copper Co	1957 First Ave, S., Seattle 4, Wash	MA4-1862
Ariz	Chase Brass & Copper Co	6500 E. Washington Blvd, L A 54, Cal	RA3-5351
Ark	Chase Brass & Copper Co	4641 McRee, St. Louis 10, Mo	PR6-3111
Cal	Chase Brass & Copper Co	6500 E. Washington Blvd, L A 54, Cal	RA3-5351
Cal	Chase Brass & Copper Co	230 Shaw Rd, S. San Francisco,	JU3-4994
Colo	Chase Brass & Copper Co	5101 Colorado Blvd, Denver 16,	DU8-2441
Del	Chase Brass & Copper Co	20th & Venango Sts, Phila 40, Pa	BA3-5800
DC	Chase Brass & Copper Co	1315 Key Hwy, Baltimore 30, Md	PL2-2565
Fla	Chase Brass & Copper Co	695 Stewart Ave, S.W., Atlanta 10, Ga	PL5-5731
Ga	Chase Brass & Copper Co	695 Stewart Ave, S.W., Atlanta 10, Ga	PL5-5731
Hawaii	Chase Brass & Copper Co	230 Shaw Rd, S. San Francisco, Cal	JU3-4994
Idaho	Chase Brass & Copper Co	1957 First Ave, S., Seattle 4, Wash	MA4-1862
Ill	Chase Brass & Copper Co	5401 W. Grand Ave, Chicago 39, Ill	TU9-4000
Il	Chase Brass & Copper Co	4641 McRee Ave, St. Louis 10, Mo	PR6-3111
Ind	Chase Brass & Copper Co	1609 Oliver Ave, Indianapolis 21, Ind	ME7-1543
Iowa	Chase Brass & Copper Co	5401 W. Grand Ave, Chicago 39, Ill	TU9-4000
Kan	Chase Brass & Copper Co	1710 Washington St, Kansas City 8, Mo	VI2-1710
Ky	Chase Brass & Copper Co	222 Post Square, Cincinnati 2, Ohio	PA1-3326
La	Chase Brass & Copper Co	1000 S. Jeff Davis Pkwy, New Orleans 2,	HU6-5441
Me	Chase Brass & Copper Co	411 D St, Boston 4, Mass	LI2-0126
Md	Chase Brass & Copper Co	1315 Key Hwy, Baltimore 30, Md	PL2-2565
Mass	Chase Brass & Copper Co	411 D St, Boston 4, Mass	LI2-0126
Mich	Chase Brass & Cooper Co	14480 Woodrow Wilson Ave, Detroit 38,	TO8-2939
Minn	Chase Brass & Copper Co	145 N. 10th St, Minneapolis 3,	FE6-4661
Miss	Chase Brass & Copper Co	1000 S. Jeff Davis Pkwy, New Orleans, La	HU6-5441
Mo	Chase Brass & Copper Co	4641 McRee Ave, St. Louis 10, Mo	PR6-3111
Mont	Chase Brass & Copper Co	1957 First Ave, S., Seattle 4, Wash	MA4-1862
Neb	Chase Brass & Copper Co	1710 Washington St, Kansas City 8, Mo	VI2-1710
Nev	Chase Brass & Copper Co	1710 Washington St, Kansas City 8, Mo	VI2-1710
NH	Chase Brass & Copper Co	411 D St, Boston 4, Mass	LI2-0126
NJ	Chase Brass & Copper Co	55-60 58th St, Maspeth 78, NY	BI8-1700
NM	Chase Brass & Copper Co	5101 Colorado Blvd, Denver 16, Colo	DU8-2441
NY	Chase Brass & Copper Co	55-60 58th St, Maspeth 78, NY	TW4-0500
NY	Chase Brass & Copper Co	45 Exchange St, Rochester 14,	HA6-3959
NC	Chase Brass & Copper Co	222 S. Church St, Charlotte 2,	ED2-4152
ND	Chase Brass & Copper Co	145 N. 10th St, Minneapolis 3, Minn	FE6-4661
Ohio	Chase Brass & Copper Co	4000 Chester Ave, Cleveland 3,	HE2-2300
Ohio	Chase Brass & Copper Co	222 Post Square, Cincinnati 2,	PA1-3326
Okla	Chase Brass & Copper Co	1710 Washington St, Kansas City 8, Mo	VI2-1710
Ore	Chase Brass & Copper Co	1957 First Ave, S., Seattle 4, Wash	MA4-1862
Pa	Chase Brass & Copper Co	20th & Venango Sts, Phila 40,	BA3-5800
RI	Chase Brass & Copper Co	56 Branch Ave, Providence 1,	DE1-7300
SC	Chase Brass & Copper Co	222 S. Church St, Charlotte 2, NC	ED2-4152
SD	Chase Brass & Copper Co	145 N. 10th St, Minneapolis 3, Minn	FE6-4661
Tenn	Chase Brass & Copper Co	222 Post Square, Cincinnati 2, Ohio	PA1-3326
Tex	Chase Brass & Copper Co	119 Pittsburg St, Dallas 7,	RI7-4271
Tex	Chase Brass & Copper Co	16 Drennan St, Houston 1,	CA2-7266
Utah	Chase Brass & Copper Co	5101 Colorado Blvd, Denver 16, Colo	DU8-2441
Vt	Chase Brass & Copper Co	411 D St, Boston 4, Mass	LI2-0126
Va	Chase Brass & Copper Co	1315 Key Hwy, Baltimore 30, Md	PL2-2565
Wash	Chase Brass & Copper Co	1957 First Ave, S., Seattle 4, Wash	MA4-1862
W. Va	Chase Brass & Copper Co	1001 Brighton Rd, Pittsburgh 33, Pa	CE1-7900
Wisc	Chase Brass & Copper Co	1741 W. St. Paul Ave, Milwaukee 1,	DI2-7630
Wyo	Chase Brass & Copper Co	5101 Colorado Blvd, Denver 16, Colo	DU8-2441
	CHASE-SHAWMUT CO	**Newburyport, Mass**	**HO2-6662**
	CHASSIS-TRAK CO., INC	**525 S. Webster Ave, Indianapolis 19, Ind**	**FL9-5407**
Ala	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Conn	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
Del	Gene Rosen & Assoc Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
DC	Gene Rosen & Assoc Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
Fla	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Ga	Maitland K Smith Co	208 14th St, N.W. Atlanta 13, Ga	TR5-8031
Hawaii	Dougherty Enterprises	149 Kaumi St, Kailua, Hawaii	
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Ind	Wright Engineering Co	4241 Melbourne Rd, Indpls, Ind	WA3-8888
Iowa	Ringland M Krueger Co	5306 W. Lawrence, Chicago 30, Ill	PE6-3107
Ky	Wright Engineering Co	4241 Melbourne Rd, Indpls, Ind	WA3-8888
La	Arnold Barner Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Me	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
Md	Gene Rosen & Assoc Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
Mass	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
Mich	Martin Vogt	1326 Maxwell Ave, Royal Oak, Mich	LI1-1192
Minn	Anderson & Associates	3825 York Ave, N. Minneapolis 22	JU8-2523
Miss	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
NH	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
NJ	Robert L Ringer Co	14 Glen Ave, Glen Rock, NJ	GI4-1434
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NY	Robert L Ringer Co	14 Glen Ave, Glen Rock, NJ	GI4-1434
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	FR6-5950
ND	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	JU8-2523
Ohio	Components Eng Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Ohio	Ed Magee	2600 Far Hills Ave, Dayton 9, Ohio	AX9-2333
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Pa	J Alan Biggs Co., Inc	Bucks County, Gardenville, Pa	PH8-9457
RI	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
SC	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
SD	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	JU8-2523
Tenn	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Vt	Abbett & Hustis Co	P.O. Box 293, Needham 92, Mass	HI4-5470
Va	Gene Rosen & Assoc Inc	9501 Wadsworth Dr, Bethesda, Md	OL6-6300
W.Va	Components Engineering Co	7461 N. Linden Ln, Cleveland 30	VI2-2737
Wisc	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-7428
Canada	Electrodesign	736 Notre Dame W, Montreal, Canada	UN6-7367
	CHATTILON & SONS, JOHN	**85 Cliff St, New York 38, NY**	**BE3-2552**
Ala	Alabama Scale Works	3813 First Ave, N., Birmingham, Ala	
Ariz	Southwestern Scale Co	1447 S. 26th St, Phoenix, Ariz	
Ark	Cardinal Scale Mfg Co	203 E. Daugherty, Webb City, Mo	
Cal	Acme Scale Co	3620 San Pablo Ave, Oakland, Cal	
Cal	Abbott Instrument & Engineering Co	10513 Santa Monica Blvd, Los Angeles, Cal	
Colo	Hyde Electronics Co	888 S. Lupan St, Denver 23, Colo	
Conn	Industrial Scale & Equipment Co	335 Charles St, Bridgeport 6, Conn	
Conn	Avery, Kretzmer, Olcott, Inc	10 Jefferson St, Hartford, Conn	
Del	John J McIntyre & Sons	514 Knorr St, Philadelphia, Pa	
DC	Washington Scale & Eqpt Co., Inc	1107 New Jersey Ave, N.W., Washington, DC	
Fla	Economy Scale Co	525 S. MacDill Ave, Tampa 9, Fla	
Ga	Wiggins Scale Co	995 Hemphill Ave, Atlanta, Ga	
Idaho	Hyde Electronics Co	888 S. Lupan St, Denver 23, Colo	
Ill	Master Gauge Co	1150 W. Grand Ave, Chicago 22, Ill	
	Dolph Boettler	6625 Delmar Blvd, St. Louis, Mo	
Inc	Master Gauge Co	1150 W. Grand Ave, Chicago 22, Ill	
Ind	J B Dee Co., Inc	1722 W. 16th St, Indianapolis 2, Indiana	
Iowa	Scale Service Co	2117 Minnehaha Ave, Minneapolis 4, Minn	
Kan	Cardinal Scale Mfg Co	203 E. Daugherty, Webb City, Mo	
Ky	Engineering Specialties	8115 Camargo Rd, Cincinnati, Ohio	
La	By-Pel Equipment Co	4037 Palmyra St, New Orleans, La	
Md	S W Betz Co	2229-39 Kirk Ave, Baltimore, Md	
Mass	Commercial Scale Co	241 Union St, W. Springfield, Mass	
Mass	Worcester Scale Co	135 Summer St, Worcester, Mass	
Mich	R C Renolde & Co	2842 W. Grand Blvd, Detroit 2, Mich	
Minn	Scale Service Co	2117 Minnehaha Ave, Minneapolis 4, Minn	
Miss	By-Pel Equipment Co	4037 Palmyra St, New Orleans, La	
Mo	Dolph Boettler	6625 Delmar Blvd, St. Louis, Mo	
Mont	Hyde Electronics Co	888 S. Lupan St, Denver 23, Colo	
Neb	Cardinal Scale Mfg Co	203 E. Daugherty, Webb City, Mo	
NJ	Johnson Scale Co	235 Fairfield Ave, W. Caldwell, NJ	
NM	Koch Products Co	4745 Gibson Blvd, S.E., Albuquerque, NM	
NY	Buffalo Scale Co	46 Letchworth St, Buffalo 13, NY	
NY	W & S Scale	602 Oswego St, Syracuse, NY	
NC	J A King Co	2620 High Point Rd, Greensboro, NC	
Ohio	Ohio Counting Scale Co	1787 E. 24th St, Cleveland 14, Ohio	
Ohio	Engineering Specialties	8115 Camargo Rd, Cincinnati, Ohio	
Okla	Cardinal Scale Mfg Co	203 E. Daugherty, Webb City, Mo	
Ore	Morris Scale Co	1537 S.E. Morrison St, Portland, Ore	
Ore	Peninsula Associates	1345 Hancock St, Redwood City, Cal	
Pa	Acme Scale Co	5427 Butler St, Pittsburgh, Pa	
Pa	J J McIntyre & Sons	514 Knorr St, Philadelphia, Pa	
RI	Central Scale Co	700 N. Main St, Providence, RI	
SC	Piedmont Equipment Co	1282 Pendleton St, Greenville, SC	
Tex	Dillon Scale & Equipment Co	3907 Elm St, Dallas, Tex	
Utah	Hyde Electronics Co	888 S. Lupan St, Denver, Colo	
Va	Washington Scale & Equip Co., Inc	1107 New Jersey Ave, N.W., Washington, DC	
Wash	Peninsula Associates	1345 Hancock St, Redwood City, Cal	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
W. Va	Acme Scale Co.	5427 Butler St, Pittsburgh, Pa
Wisc	S A Meier Co	6912 W. North Ave, Milwaukee, Wisc
Wyo	Hyde Electronics Co.	888 S. Lipan St, Denver, Colo
Canada	Eastern Scale Works	143 Parliament St, Toronto, Ontario, Canada
Canada	Yeates-Denyar Co., Inc	1504 Notre Dame W., Montreal, P Q, Canada
	CHEMALLOY ELECTRONICS CORP	**Gillespie Field, Santee, Cal** — **HI4-7661**
Foreign	Beechey Enterprises	1162 Main St, N., Weston Ontario
	CHEMICAL DEVELOPMENT CORP	**Endicott St, Danvers, Mass** — **SP4-1990**
	CHEMICAL PRODUCTS CORP	**King Philip Rd, East Providence, RI** — **GE4-1770**
Cal	A J Caron	9528 Carron Dr, Pico Rivera, Cal — RA3-2760
	CHEMO PRODUCTS INC	**Box 169, West Warwick, RI** — **YA1-1400**
Cal	Sidney Springer Co., Inc	816 Stanford Ave, Los Angeles, Cal — MA6-1233
Conn	Herbert Whitaker	Duck Cove Farm, N. Kinstown, RI — CY4-3754
Ill	E G Kostal & Associates	6272 W. North Ave, Chicago 39, Ill — MA9-1446
Me	Herbert Whitaker	Duck Cove Farm, N. Kingstown, RI — CY4-3754
Mass	Herbert Whitaker	Duck Cove Farm, N. Kingstown, RI — CY4-3754
NH	Herbert Whitaker	Duck Cove Farm, N. Kingston, RI — CY4-3754
NJ	Albert C Tieniber	57 Holdrum St, Hillsdale, NJ — NO4-6753
NY	Albert C Tieniber	57 Holdrum St, Hillsdale, NJ — NO4-6753
Ohio	Alex R Geldhof	1320 Lake Roser Dr, Kent, Ohio — OR3-0149
Pa	Albert C Tieniber	57 Holdrum St, Hillsdale, NJ — NO4-6753
RI	Herbert Whitaker	Duck Cove Farm, N. Kingston, RI — CY4-3754
Vt	Herbert Whitaker	Duck Cove Farm, N. Kingston, RI — CY4-3754
Wisc	E G Kostal & Associates	6272 W. North Ave, Chicago 39, Ill — MA9-1446
Canada	Alec W Andrews	1239 Tecumseh Pk, Ontario, Canada — CR8-3478
	CHEMPLAST INC	**3 Central Ave, E. Newark, NJ** — **HU2-2622**
Cal	E U Roberts & Associates	5068 W. Washington Blvd, L A — WE6-2541
Conn	John G Shelley Co	P.O. Box 100, Essex — SO7-1556
Ill	Joseph Robinson	818 W. Evergreen St, Chicago 22, Ill — MO4-1413
Mass	John G Shelley Co	16 Mica Ln, Wellesley Hills — CE7-0900
NY	Eugene Fischer	Pine Brook Rd, Lincoln Park, NJ — OX4-4763
Ohio	R A Paisley Co	27325 Donald Dr, Bay Village — EO3-0569
	CHEMTRONIC CORP	**309 11th Ave, S., Nashville 4, Tenn** — **CH2-0228**
Cal	Lindsey Sales Co	6214 W. Manchester Ave, Los Angeles — SP6-2151
Ill	KaDell Sales Associates	5875 N. Lincoln Ave, Chicago, Ill — LO1-3042
Ind	A E Williams Co	Rural Rt 1, Markle, Ind
Ind	Jack L Weber Agency	9007 El Rico Rd, Indianapolis, Ind — VI6-0504
Iowa	Jerry Urbik Co	419 3rd St, S.E., Cedar Rapids, Iowa — EM5-0461
Mass	W B Pray Sales	44 Washington St, Wellesley, Mass — CE5-3199
NY	Walter Onyx	P.O. Box 4, Mattydale, NY — GR9-6561
NY	Joseph Sprung Associates	254 W. 31st St, New York, NY — LO5-1820
Pa	Donald S Heuner	1528 Spring Mill Rd, Gladwyne, Pa — LA5-9727
Tex	John Guenther	4533 N. Central Expwy, Dallas, Tex — LA8-6286
Canada	Prime Electronic Comp Ltd	868 Dundas Hwy E., Dixie, Ontario — AT9-3361
	CHEMTRONICS INC	**870 E. 52nd St, Brooklyn 3, NY** — **BU7-1300**
Ala	Stanley K Wallace & Associates	Box 67, Lutz, Fla
Alaska	Fred Haight	3212 Eastlake, Seattle, Wash
Ariz	Mark Markman Co	4260 Lankershim Blvd, N. Hollywood, Cal
Ark	Macrea Smith	Box 35113, Dallas 35, Tex
Cal	Markman & Co	4260 Lankershim Blvd, N.Hollywood
Cal	Bill Logan & Co	1477 S. Mayfair, Daly City, Cal
Conn	Lawrence B Cole	21 Radcliffe Rd, Weston, Mass
Del	Art Cerf & Co	744 Broad St, Newark, NJ
DC	Art Cerf & Co	744 Broad St, Newark, NJ
Fla	Stanley K Wallace & Assoc	Box 67, Lutz, Fla
Ga	Stanley K Wallace & Assoc	Box 67, Lutz, Fla
Idaho	Fred Haight	3212 Eastlake Ave, Seattle, Wash
Ill	J K Rose & Co	1116 Linden Blvd, Highland Park, Ill
Iowa	Collins Havercamp	6825 N. Baltimore, Kansas City 16, Mo
Kan	Collins Havercamp	6825 N. Baltimore, Kansas City 16, Mo
La	Macrea Smith	Box 35113, Dallas 35, Tex
Me	Larry Cole & Co	21 Radcliffe Rd, Weston, Mass
Md	Art Cerf & Co	744 Broad St, Newark, NJ
Mass	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass
Mich	James Flora Inc	Territorial at Ridgwood, Plymouth
Minn	Clark Gibb Co	2400 Hennepin Ave, Minnpls, Minn
Miss	Wallace Associates	Box 67, Lutz, Fla
Mo	Collins Havercamp & Co	6825 N. Baltimore, Kansas City 16, Mo
Neb	Collins Havercamp & Co	6825 N. Baltimore, Kansas City 16, Mo
NH	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass
NJ	Art Cerf & Co	744 Broad St, Newark, NJ
NY	Art Cerf & Co	744 Broad St, Newark, NJ
NC	Wallace Associates	Box 67, Lutz, Fla
ND	Clark Gibb	2400 Hennepin Ave, Minnpls, Minn
Ohio	Neal Bear & Corp	3425 Streetsboro Rd, W. Richfield, Ohio
Okla	Macrea Smith	Box 35113, Dallas 35, Tex
Ore	Fred Haight	3212 Eastlake Ave, Seattle, Wash
Pa	Art Cerf & Co	744 Broad St, Newark, NJ
RI	Lawrence B Cole	21 Radcliffe Rd, Weston, Mass
SC	Wallace Associates	Box 67, Lutz, Fla
SD	Clark Gibb	2400 Hennepin Ave, Minnpls, Minn
Tenn	Wallace Associates	Box 67, Lutz, Fla
Tex	Macrea Smith & Co	Box 35113, Dallas 35
Vt	Lawrence B Cole	21 Radcliffe Rd, Weston, Ill
Va	Art Cerf & Co	744 Broad St, Newark, NJ
Wash	Fred Haight Co	3212 Eastlake Ave, Seattle, Wash
W.Va	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio
Wisc	J K Rose & Co	1116 Linden Ave, Highland Pk, Ill
Canada	Active Radio	58 Spadina Ave, Toronto, Canada
	CHERRY ELEC'L PRODS CORP	**1650 Deerfield Rd, Highland Park, Ill** — **ID2-8182**
Cal	Harris-Koetke Sales Co	204 E. Hillside Blvd, San Mateo, Cal — FI1-2909
Cal	John T Rietz	P.O. Box 768, Hollywood 28, Cal — NO1-4300
Conn	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94, Mass — HI4-7550
Del	Wm I Duncan & Associates	5452 Charles St, Philadelphia, Pa — CU9-7525
Fla	Mesco Inc	2617 Jewel Rd, Largo, Fla — JU4-1171
Ill	Heimann Co., The	1711 Hawthorne Ave, Minneapolis 3, Minn — FE2-5457
Ill	Wells-White Co	6625 Delmar, St. Louis 30, Mo — PA7-7622
Ind	Barney Menze	729 W. Packard Ave, Ft. Wayne, Ind — KE3171
Iowa	Heimann Co., The	1711 Hawthorne Ave, Minneapolis 3, Minn — FE2-5457
Kan	Wells-White Co	6625 Delmar, St. Louis 30, Mo — PA7-7622
Ky	Barney Menze	729 W. Packard Ave, Fort Wayne, Ind — KE3171
La	Dave Packard Associates	Love Field, Dallas 35, Tex — FL7-5713
Me	Robert B Hatch Co	19 Kearney Rd, Needham Hgts, Mass — HI4-7550
Md	Wm I Duncan & Associates	5452 Charles St, Philadelphia, Pa — CU9-7525
Mass	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94, Mass — HI4-7550
Mich	Robert H Jackson	10534 Ludlow Ave, Huntington Woods — LI2-5059
Minn	Heimann Co., The	1711 Hawthorne Ave, Minneapolis — FE2-5457
Mo	Wells-White Co	6625 Delmar, St. Louis 30, Mo — PA7-7622
Neb	Heimann Co., The	1711 Hawthorne, Minneapolis, Minn — FE2-5457
Nev	Harris-Koetke Sales Co	204 E. Hillside Blvd, San Mateo, Cal — FI1-2909
NH	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94, Mass — HI4-7550
NJ	D R Buttan Co	104 S. Central Ave, Valley Stream, NY — LO1-2444
NJ	Wm I Duncan & Associates	5452 Charles St, Philadelphia, Pa — CU9-7525
NY	G J Andres	961 Haward St, Rochester 10, NY — BR1-2200
NY	D R Buttan Co	104 S. Central Ave, Valley Stream, NY — LO1-2444
ND	Heimann Co., The	1711 Hawthorne Ave, Minneapolis 3, Minn — FE2-5457
Ohio	Barney Menze	729 W. Packard Ave, Fort Wayne, Ind — KE3171
Ohio	Walter Zelinger	P.O. Box 72, Parkman, Ohio — LI8-5373
Okla	Dave Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex — FL7-5713
Pa	Wm I Duncan & Associates	5452 Charles St, Philadelphia, Pa — CU9-7525
RI	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94, Mass — HI4-7550
SD	Heimann Co., The	1711 Hawthorne Ave, Minneapolis 3, Minn — FE2-5457
Tex	Dave Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex — FL7-5713
Vt	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94, Mass — HI4-7550
Wisc	Heimann Co., The	1711 Hawthorne Ave, Minneapolis 3, Minn — FE2-5457
Canada	Barry Electric Ltd	346 Bering Ave, Toronto 18, Ontario — BE3-8901
	CHESAPEAKE INSTRUMENT CORP	**100 Atwell Rd, Shadyside, Md**
	CHESTER CABLE CORP	**Hill St, Chester, NY** — **HO9-2141**
Ariz	J W Marsh Co	305 Indian School, Phoenix, Ariz — CR4-0060
Cal	J W Marsh Co	4216 W. Jefferson Blvd, L A 16, Cal — RE2-0145
Colo	Stapbaugh Thompson Co	100 W. 13th Ave, Denver 4, Colo — AC2-5826
Fla	C O Cappace Co	Box 95, Winter Park, Fla — MI4-5847
Ga	J E Joyner & Associates	Box 10821 Sta A, Atlanta 10, Ga — PL5-4336
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill — PE6-3107
Ind	Richard C Warner & Associates	Box 338, South Whitley, Ind — 350
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass — BE2-2555
Mich	R C Warner & Associates	Box 126, Sturgis Mich — 1140
Minn	Edward Hoffman Co	180 Snelling Ave, N., St. Paul 4, Minn — MI4-4662
Mo	R F Carlson Co	120 N. Gay Ave, St. Louis 5, Mo
NJ	Keefe Electronic Sales Co	228 E. Kings Hwy, Haddonfield, NJ — HA9-4650
NY	Reed Tollefson Corp	2815 Monroe Ave, Rochester 15, NY — HI5-0450
NY	Cooper Simon Co., Inc	400 E. 79th St, New York City, NY — LE5-2900
Ohio	A C Wahl Co., Inc	121 Mill St, Cincinnati 15, Ohio — VA1-3270
Ohio	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio — AC1-1313
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex — RI7-5824
Wash	Fred H Haight Co	3212 E. Lake Ave, Seattle 2, Wash — EA2-1818
Canada	Eugen Meth & Associates	Dominion Sq Bldg, Montreal, Canada — UN1-6216
Foreign	Carrington H Stone	205 W. Wacker Dr, Chicago 6, Ill — Export Dept
	CHICAGO AERIAL INDUSTRIES INC	**1980 Hawthorne, Melrose Park, Ill** — **FI5-1840**
Cal	Chicago Aerial Industries	120 S. Glasgow, Inglewood, Cal
DC	Chicago Aerial Industries	Cafritz Bldg, Washington, DC
Ohio	Chicago Aerial Industries	349 W. First St, Dayton, Ohio
	CHICAGO-ALLIS MFG CO	**115 N. Green St, Chicago, Ill** — **MO6-5050**
	CHICAGO CONDENSER CORP	**3255 W. Armitage Ave, Chicago 47, Ill** — **CA7-7070**
	CHICAGO DIAL CO	**1315 N. North Branch St, Chicago, Ill**
Cal	A W Gresner	430 N. Camden Dr, Beverly Hills, Cal
Del	William Jacobs	515 Ivydale Rd, Wilmington, Del
NY	Mel Lewison	172-15 Hillside Ave, Jamaica 32, NY
Ohio	Bob Adler	7311 Reading Rd, Cincinnati, Ohio
Pa	William Jacobs	515 Ivydale Rd, Wilmington, Del
Tenn	Pearson-Beaxins Co	3806 Tennessee Ave, Chattanooga, Tenn
	CHICAGO DYNAMIC INDUSTRIES INC	**1725 Diversey Blvd, Chicago 14, Ill** — **WE5-4600**
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz
Cal	Long & Associates	505 Middlefield Rd, Redwood City
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal
Ind	Delta Sales Inc	2136 E. 52nd St, Indianapolis 5, Ind
Mass	Dan Greene Org Inc	P.O. Box 124, Cambridge 38, Mass
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich
Minn	Melfoster	2402 Hennepin Ave, Minneapolis 5, Minn
NJ	John Britis Sales Co	50 Ballad Ln, Levittown, NJ
Pa	Russell F Clark Co., Inc	717 Liberty Ave, Pittsburgh 22, Pa
Tex	Branum Sales Inc	P.O. Box 14348, Dallas 34, Tex
Wash	Paramount Tech Agencies	9210 28th N.W., Seattle 7, Wash
	CHICAGO ELECTRONIC ENGINEERING CO	**3223 W. Armitage Ave, Chicago 47, Ill**
Cal	Claude C Frantz	701 S. Gramercy Dr, Los Angeles, Cal
Ind	A C Wahl	525 W. Main, Richmond, Ind
Mo	Kelly-Schmitz Winkeler Associates	7449 Broadway, Kansas City, Mo
Mo	Kelly-Schmitz Winkeler Associates	3938 Lindell, St. Louis, Mo
NY	S A M Associates	150-08 87th Ave, Jamaica, NY
Ohio	A C Wahl	121 Mill St, Cincinnati, Ohio
	CHICAGO EXPANSION BOLT CO	**1338 W. Concord Pl, Chicago 22, Ill** — **EV4-1700**
Ala	Chicago Expansion Bolt Co	2516 8th Ct, N. Birmingham, Ala — FA3-5236
Cal	Chicago Expansion Bolt Co	225 Kansas St, San Francisco, Cal — UN3-4046
Cal	Chicago Expansion Bolt Co	1348 Venice Blvd, Los Angeles, Cal
Colo	Chicago Expansion Bolt Co	Box 4718, Denver 7, Colo — FR7-9591
Fla	Chicago Expansion Bolt Co	301 E. 10th Ave, Hialeah, Fla — TU5-2519
Ga	Chicago Expansion Bolt Co	672 Whitehall St, Atlanta, Ga — JA4-7388
Ill	Chicago Expansion Bolt Co	6835 W. Higgins, Chicago, Ill — SP5-2144
Ill	Chicago Expansion Bolt Co	1338 W. Concord Pl, Chicago, Ill — EV4-1700
La	Chicago Expansion Bolt Co	213 S. Front St, New Orleans, La — TU5-5184
Mich	Chicago Expansion Bolt Co	21313 Audette, Dearborn 7, Mich — LO2-1188
Minn	Chicago Expansion Bolt Co	1608 Oak Ave, St. Paul 12, Minn — ME3-5611
NY	Chicago Expansion Bolt Co	53 W. Broadway, New York, NY — BA7-8552
NC	Chicago Expansion Bolt Co	1009 S. Elm St, Greensboro, NC — BR3-9473
Ohio	Chicago Expansion Bolt Co	Pioneer Trail, Aurora, Ohio — LO2-5861
Pa	Chicago Expansion Bolt Co	Box 11036, Pittsburgh, Pa — WE1-3633
Tex	Chicago Expansion Bolt Co	3110 Eastside St, Houston 6, Tex — JA2-4361
Tex	Chicago Expansion Bolt Co	1013 Slocum St, Dallas, Tex — RI2-8371
Wash	Chicago Expansion Bolt Co	Lowman Bldg, Seattle, Wash — MA4-2420
Foreign	Chicago Expansion Bolt Co	Box 374, Arlington Heights, Ill — CL3-4466
	CHICAGO MAGNETIC CONTROL CO	**1616 Demon Ave, Chicago, Ill** — **AR6-7400**
Cal	Claud C Frantz Co	Los Angeles, Cal
Ill	Kelley-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo
Ind	A C Wahl Co	Box 213, Cincinnati 15, Ohio
Kan	Kelley-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo
Mo	Kelley-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo
Neb	Kelley-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo
NY	S A M Associates	150-08-87th Ave, Jamaica 32, NY
Ohio	Clark Sales Co	Box 708, Cleveland 22, Ohio
	CHICAGO MINIATURE LAMP WORKS	**1500 N. Ogden Ave, Chicago 10, Ill** — **MO4-1741**
Ala	Cartwright & Bean	560 S. Cooper St, Memphis 4, Tenn — BR6-4442
Alaska	James J Backer Co	221 W. Galer St, Seattle 99, Wash — AL6470
Ariz	Howe & Howe	4328 N. 42nd Pl, Phoenix, Ariz — AM5-9185
Ark	Ernest L Wilks Co	1212 Camp St, Dallas, Tex — RI7-2637
Cal	E W Brandt Co	1122 Folsom St, San Francisco, Cal — HE1-0484
Cal	George Agency	101 W. Verdugo Ave, Burbank, Cal — VI9-3140
Colo	Rentz Sales Co	1324 Bellaire St, Denver 20, Colo — EA2-6200
Conn	Hoffman Engineering Corp	183 R Sound Beach Ave, Old Greenwich — NE7-3557
Conn	Gerber Sales	Box 2917, New Haven 15, Conn
Del	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa — VI8-8484
DC	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa — VI8-8484
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla — WI5-2962
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga — CE7-2273
Idaho	James J Backer Co	221 W. Galer St, Seattle 99, Wash — AL6470
Ill	Ray S Hutmacher Assoc	6647 N. Oliphant Ave, Chicago, Ill — NE1-3248
Ind	Burton F Homsher Co	2018 Jessie Ave, Ft. Wayne, Ind — EA4920
Iowa	Koenig-Myers Assoc	4538 Main St, Kansas City 11, Mo — JE1-7221
Kan	Koenig-Myers Assoc	4538 Main St, Kansas City 11, Mo — JE1-7221
Ky	Burton F Homsher Co	2018 Jessie Ave, Ft. Wayne, Ind — EA4920
La	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex — RI7-2637
Me	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass — BE2-2425
Md	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa — VI8-8484
Mass	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass — BE2-2425
Mich	J Malcolm Flora Inc	N. Territorial At Ridgewood Plymouth — GL3-4296
Minn	Nick J Laub Co	2333 W. Wells, Milwaukee, Wisc
Miss	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga — CE7-2273
Mo	Koenig-Myers	4538 Main St, Kansas City, Mo — JE1-7221
Mont	James J Backer Co	221 W. Galer St, Seattle 99, Wash — AL6470
Neb	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo — JE1-7221
Nev	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal — HE1-0484
NH	Gerber Sales Co., Inc	Box 2917, New Haven 15, Conn
NJ	Jules J Bressler	4808 Bergenline Ave, Union City, NJ — UN4-9577
NM	Howe & Howe	4328 N. 42nd Pl, Phoenix, Ariz — AM5-9185
NY	Jules J Bressler	4808 Bergenline Ave, Union City, NJ — UN4-9577
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte 5, NC
ND	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn
Ohio	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio — 6511
Okla	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex — RI7-2637
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash — AL6470
Pa	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa — VI8-8484
Pa	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio — 6511
RI	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass — BE2-2425
SC	Cartwright & Bean	625 Harwyn Dr, Charlotte 5, NC
SD	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn — BR6-4442
Tex	Ernest L Wilks Co	1212 Camp St, Dallas, Tex — RI7-2637
Vt	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass — BE2-2425
Va	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn — BR6-4442
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash — AL6470
W.Va	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio — 6511
Wisc	Ray S Hutmacher Assoc	6647 N. Oliphant Ave, Chicago 31, Ill — NE1-3248
	CHICAGO MOLDED PRODUCTS CORP	**1020 N. Kolmar Ave, Chicago, Ill** — **DI2-9000**
Ala	Southern Dynamics Inc	Box 5983, Homewood Br, Birmingham, Ala
Fla	Southern Dynamics Inc	1500 W. Church St, Orlando, Fla
Ga	Southern Dynamics Inc	290 Pinecrest Rd, N.E., Atlanta, Ga
Ill	J Davidson	412 N. 7th St, Marshall, Ill — 8492
Mich	A R Morrow	16626 James Couzens Hwy, Detroit, Mich — UN3-9090
NY	Midantic Sales Co	520 Fifth Ave, New York, NY — ML2-5844
Ohio	R A Paisley Co	20001 Lake Rd, Cleveland 16, Ohio
Pa	Midantic Sales Co	9 E. Athens Ave, Ardmore, Pa — MI9-2643
	CHICAGO RIVET & MACHINE CO	**Bellwood, Ill** — **LI4-5100**
Ala	Gardner & Meredith	424 Georgia Ave, Chattanooga, Tenn — AM7-4971
Ariz	C W Blair	1406 S. Grand Ave, Los Angeles, Cal — RI8-6191
Ark	Lynn Grace & Associates	420 Dermon Bldg, Memphis 3, Tenn — JA7-0657
Cal	C W Blair	1406 S. Grand Ave, Los Angeles, Cal — RI8-6191
Cal	Harry M Fisher	500 Florida St, San Francisco, Cal — HE1-1698
Colo	E C Swan	232 Dahlia St, Denver 7, Colo — EA2-4718
Conn	Jos M Murphy	Box 627, Manchester, Conn — MI6-2129
Del	R T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa — LO3-6784
Fla	Gardner & Meredith	424 Georgia Ave, Chattahooga, Tenn — AM7-4971
Ga	Gardner & Meredith	424 Georgia Ave, Chattanooga, Tenn — AM7-4971
Idaho	E C Swan	232 Dahlia St, Denver 7, Colo — EA2-4718
Ill	A J Dunsmore	1315 N. 20th Ave, Melrose Park, Ill — FI3-6803
Ill	A J Dunsmore	2210 N. Knoxville Ave, Peoria, Ill — 2-1953
Ind	C L Cashman	Box 2091 Sta A, Ft. Wayne, Ind — KE2876
Iowa	Clancey Co	3844 Valdez Dr, DesMoines 10, Iowa — CR9-9102
Kan	Clancey Co	3844 Valdez Dr, DesMoines 10, Iowa — CR9-9102
Ky	Lynn Grace Assoc	Dermon Bldg, Memphis 3, Tenn — JA7-0657
La	Lynn Grace Associates	Dermon Bldg, Memphis 3, Tenn — JA7-0657
Me	Jos M Murphy	Box 627, Manchester, Conn — MI6-2129
Md	R T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa — LO3-6784
Mass	Jos M Murphy	Box 627, Manchester, Conn — MI6-2129
Mich	M F McManus	18450 Livernois Ave, Detroit 21, Mich — UN4-7767
Minn	A J Dunsmore	1457 Woodlyn Ave, St. Paul 13, Minn — FE6-0812
Miss	Lynn Grace Assoc	Dermon Bldg, Memphis 3, Tenn — JA7-0657
Mo	Clancey Co	3527 Broadway, Kansas City 11, Mo — WE1-3090
Neb	Clancey Co	3527 Broadway, Kansas City 11, Mo — WE1-3090
NH	Joseph M Murphy	Box 627, Manchester, Conn — MI9-2129
NJ	R S Christie & Co	175 5th Ave, New York 10, NY — GR7-4226
NJ	R T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa — LO3-6784
NY	R S Christie & Co	175 - 5th Ave, New York 10, NY — GR7-4226

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Carl H Reineck & Sons	4515 Main St, Buffalo 26, NY	CI3366
NC	Lynn Grace Assoc	Dermon Bldg, Memphis 3, Tenn	JA7-0657
Ohio	Wm Fahey	865-W. Central Ave, Toledo 10, Ohio	CH2-7281
Ohio	Carl H Reineck & Sons	17138 Lorain Ave, Cleveland 11, Ohio	CL1-8535
Okla	E C Swan	232 Dahlia St, Denver, Colo	EA2-4718
Ore	Robert A Hunter	417 - 34th St, Seattle, Wash	EA0874
Pa	R T Bressus	1617 Pennsylvania Blvd, Phila, Pa	LO3-6784
Pa	Carl H Reineck & Sons	231 Jonquil Pl, Pittsburgh, Pa	LO1-9326
RI	Jos M Murphy	Box 627, Manchester, Conn	MI9-2129
SC	Lynn Grace & Associates	Dermon Bldg, Memphis 3, Tenn	JA7-0657
Tenn	Lynn Grace & Assoc	Dermon Bldg, Memphis, Tenn	JA7-0657
Vt	Jos M Murphy	Box 627, Manchester, Conn	MI9-2129
Va	Lynn Grace	Dermon Bldg, Memphis, Tenn	JA7-0657
Wash	Robert A Hunter	417-34th St, Seattle, Wash	EA0874
Wisc	A L Dunsmore	924 E. Juneau Ave, Milwaukee, Wisc	BR2-0500
Foreign	M R Dormitzer	201 N. Wells, Chicago, Ill	CE6-7126

CHICAGO SCREW CO. ..... 2703 Washington Blvd, Bellwood, Ill

CHICAGO STANDARD TRANSFORMER CORP ..... 3501 W. Addison St, Chicago 18, Ill IN3-7400

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	W Bert Knight Co	P.O. Box 7281, Phoenix, Ariz	WH-2201
Ca.	W Bert Knight Co	10377 W. Pico Blvd, Los Angeles 64, Cal	BR2-0101
Cal	Mouthrop & Hunter	165 11th St, San Francisco 3, Cal	UN3-7880
Colo	Ronald G Bowen Co	721 S. Broadway, Denver 9, Colo	RA2-4641-2
DC	S K MacDonald Inc	14th & Park Rd, N.W., Wash. 10, DC	CO5-3938
Fla	Hollingsworth & Still	7290 N.E. 8th Ave, Miami, Fla	PL7-9793
Fla	Hollingsworth & Still	807 N. Summerlin St, Orlando, Fla	GA5-6808
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	WU8-5878
Ill	George Petitt, Inc	349 N. Ashland, River Forest, Ill	CO1-0342
La	Cartwright & Bean	821 Pontalba, New Orleans, La	AU2264
Md	S K MacDonald Inc	2016 Winford Rd, Baltimore 14, Md	ID5-1760
Mass	Michael Scott Co	90 Edmunds Rd, Wellesley Hills 81, Mass	CE5-0102
Mich	R C Merchant & Co., Inc	18411 W. McNichols Rd, Detroit	KE5-6000
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis 2, Minn	JU8-4663
Mo	W E Fry & Co	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mo	W E Fry & Co	6616 W. Florissant Ave, St. Louis 20, Mo	EV2-3500
NM	R G Bowen Co	2228-A San Mateo N.E., Albuquerque	AL5-4603
NY	R W Mitscher	487 Ellicott Sq Bldg, Buffalo 3, NY	WA2517
NY	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NC	Hollingsworth & Still	4837 Gilmore Dr, Charlotte 9, NC	JA3-2966
Ohio	William McFadden	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Jack F McKinney Sales Co	9310 E. Third Pl, Tulsa, Okla	TE5-4730
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-3830
Pa	S K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Pa	S K MacDonald Inc	415 Beulah Rd, Pittsburgh 22, Pa	AT1-2253
Tenn	Cartwright & Bean	560-S. Cooper St, Memphis 4, Tenn	BR6-4442
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1369
Tex	Jack F McKinney Sales Co	5458 Edith St, Houston 35, Tex	MO5-3653
Utah	R G Bowen Co	5175 S. 4660 W., Kearns 18, Utah	CY8-5533
Wash	Don H Burcham Co	422 First Ave W., Seattle 99, Wash	AT4-7297
Wisc	Geo Petitt Inc	6421 W. Powell Pl, Milwaukee, Wisc	SP1-3810
Foreign	Roburn Agencies Inc	431-5 Greenwich St, New York 13, NY	

CHICAGO TELEPHONE OF CAL ... 105 Pasadena Ave, S. Pasadena, Cal

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Carl Hower	340 Marshall Ave, Scottsdale, Ariz	WH6-3860
Cal	International Resistance Co	1136 N. LaBrea Blvd, Hollywood, Cal	HO6-2191
Cal	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Cal	A A Gowers Co	2918 E. Florence Ave, Huntington Park	LL2-5105
Mo	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	

CHICAGO THRIFT-ETCHING CORP ..... 1555 N. Sheffield Ave, Chicago, Ill MI2-1630

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Howe & Howe	4238 N. 42nd Pl, Phoenix, Ariz	AM5-9185
Ark	L E Offutt Co., Inc	431 N. Dunlap St, Memphis, Tenn	
Cal	Paul D Jacobs	420 Market St, San Francisco, Cal	YU2-7266
Cal	R W Fletcher	2803 Loomis, Long Beach 11, Cal	GA2-1936
Conn	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Del	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SL9-9600
DC	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SL9-9600
Idaho	The Stephen Thurlow Co	1912 Minor Ave, Seattle 1, Wash	MU2-5488
Ill	L C Rodman	1555 N. Sheffield Ave, Chicago 22, Ill	MI2-1630
Ill	P G Lindfors	1555 N. Sheffield Ave, Chicago 22, Ill	MI2-1630
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO0772
Me	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Md	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SJ9-9600
Mass	R L Johnson	258 E. Wells St, Milwaukee 2, Wisc	BR6-2728
Mich	J Henry Smith	15324 Mack Ave, Detroit 24, Mich	TU5-5220
Minn	Paul L Coppini	3435 E. 25th St, Minneapolis 6, Minn	PA2-9322
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO0772
Mo	Joseph C Meiners	7500 Natural Bridge Rd, St. Louis 21, Mo	EV3-4833
NH	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
NJ	William Weber	377 Broadway, New York 13, NY	CA6-5090
NJ	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SU9-9600
NY	William F Devitt	377 Broadway, New York 13, NY	CA6-5090
NY	William F Devitt	401 Ridgeway Ave, Rochester, NY	GL3-9186J
NC	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SL9-9600
ND	Paul L Coppini	3435 E. 25th St, Minneapolis 6, Minn	PA2-9322
Ohio	William Olsen & Associates Inc	21055 Lorain Rd, Fairview Park, Ohio	ED1-0697
Ohio	W H Broxterman	2430 Central Pkwy, Cincinnati 14, Ohio	CH1-1623
Ore	The Stephen Thurlow Co	1912 Minor Ave, Seattle 1, Wash	MU2-5488
Pa	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SJ9-9600
Pa	Chester S Fischer	Standard Life Bldg, Pittsburgh, Pa	AT1-0319
RI	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
SC	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SU9-9600
SD	Paul L Coppini	3435 E. 25th St, Minneapolis 6, Minn	PA2-9322
Tenn	L E Offutt Co., Inc	431 N. Dunlap St, Memphis, Tenn	
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Vt	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Va	W F Satterthwaite	103 E. Township Line Rd, Upper Darby, Pa	SU9-9600
Wash	The Stephen Thurlow Co	1912 Minor Ave, Seattle 1, Wash	MU2-5488
W. Va	Chester S Fischer	Standard Life Bldg, Pittsburgh, Pa	AT1-0319
Wisc	R L Johnson	258 E. Wells St, Milwaukee 2, Wisc	BR6-2728

CHICAGO TRANSPARENT BAG CO ..... Dept EG, 4806 W. Chicago Ave, Chicago, Ill ES8-6566

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	CHICOPEE MILLS INC LUMITE DIV	**47 North St, New York 13, NY**	**WO6-1000**
Ala	Morris F Taylor Co	1224 Dresden Dr, W., Charlotte, NC	KE7-4878
Alaska	Don Kohler	11532 4th Ave, N.E., Seattle 55, Wash	
Ariz	Charles A Hansen	1406 S. Grand Ave, Los Angeles, Cal	
Ark	Macrae Smith Co	Box 35113, Dallas 35, Tex	BL3-2006
Cal	Logan & Logan	254 12th St, San Francisco, Cal	
Cal	Charles A Hansen	1406 S. Grand Ave, Los Angeles, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Del	Morris F Taylor Co	275 Bryn Mawr Ave, Lansdowne, Pa	MA2-0383
DC	Morris F Taylor Co	3601 Adams Dr, Silver Spring, Md	WH6-3569
Fla	Morris F Taylor Co	4304 Corona St, Tampa, Fla	PO1-5353
Ga	Morris F Taylor Co	Box 398, East Point, Ga	62-4071
Idaho	Don Kohler	11532 4th Ave, N.E., Seattle 55, Wash	
Ill	Walter F Marsh Co	6959 S. East End Ave, Chicago, Ill	EU6-2967
Iowa	Collins-Havercamp Assoc Inc	6825 N. Baltimore, Kansas 16, Mo	GL3-4497
Kan	Collins Havercamp Assoc Inc	6825 N. Baltimore, Kansas 16, Mo	GL3-4497
Ky	Cecil Baatz Sales Co	3535 Horner Dr, Indianapolis 19, Ind	UN2-4717
La	Macrae Smith	Box 19387, Houston 24, Tex	HO5-7780
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Md	Morris F Taylor Co	208 Queen Mary Dr, Olney, Md	WA4-9476
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Mich	Paul Wilson Sales Co	15506 Turney Rd, Maple Heights, Ohio	MO2-3280
Minn	Fellersen Associates	5231 Humboldt Ave, S., Minnpls 19, Minn	SP7-1060
Miss	Macrae Smith	Box 19387, Houston 24, Tex	HO5-7780
Mo	Collins Havercamp Assoc Inc	6825 N. Baltimore, Kansas, Mo	GL3-4497
Mont	Hyde Electronic Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Neb	Hyde Electronic	2803 Connor St, Salt Lake City, Utah	IN7-5763
Nev	Collins Havercamp	6825 N. Baltimore, Kansas 16, Mo	GL3-4497
NH	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
NJ	Jack Brown Associates	207 Rosedale Dr, Yonkers, NY	SP9-7330
NM	Hyde Electronics	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Jack Brown Assoc	157 Rawlinson Rd, Rochester, NY	
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	SP9-7330
NC	Morris F Taylor Co	1224 Dresden Dr, W. Charlotte, NC	KE7-4878
ND	Fellersen Assoc	5231 Humboldt Ave, S., Minnpls 19, Minn	SP7-1060
Ohio	Paul Wilson Sales Co	15506 Turney Rd, Maple Heights, Ohio	MO2-3280
Okla	Macrae Smith	Box 35113, Dallas 35, Tex	BL3-2006
Ore	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
Pa	Morris F Taylor Co	5436 Young Ridge Dr, Pittsburgh 36, Pa	OL5-7712
Pa	Morris F Taylor Co	275 Bryn Mawr Ave, Lansdowne, Pa	MA2-0383
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
SC	Morris F Taylor Co	1224 Dresden Dr, W. Charlotte, NC	KE7-4878
SD	Fellersen Assoc	5231 Humboldt Ave, S., Minnpls 19, Minn	SP7-1060
Tenn	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Tex	Macrae Smith	Box 35113, Dallas 35, Tex	BL3-2006
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Va	Morris F Taylor	3601 Adams Dr, Silver Spring, Md	WH6-3569
Wash	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
W.Va	Morris F Taylor Co	5436 Youngridge Dr, Pittsburgh 36, Pa	OL5-7712
Wisc	Fellersen Assoc	5231 Humboldt Ave, S., Minnpls 19, Minn	SP7-1060
Wyo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456

CHISHOLM INDUSTRIES LIMITED .. Electronic St, Port Moody, B.C., Canada

CHRISTIAN PRECISION MFG CO., INC ..... 803 Florence St, Camden, NJ WO3-3289

CHRISTIE ELECTRIC CORP ..... 3410 W. 67 St, Los Angeles 43, Cal PL3-2607

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ariz	Graner & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Ark	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Cal	C R Dalton Associates	1037 Laurel St, San Carlos,	LY1-2654
Cal	David G DeHaas Co	3651 Garrison St, San Diego 6,	AC4-2401
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Conn	E A Janse Assoc	354 Washington St, Wellesley Hls, Mass	CE5-1623
Del	Chester F Paddock	Box 192, Silver Spring, Md	JU9-6554
DC	Chester F Paddock	Box 192, Silver Spring, Md	JU9-6554
Fla	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ga	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta 5,	CE7-2273
Ill	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Ind	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Iowa	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Kan	L J Morefield Co	713 Brookfield Rd, Wichita 6, Kan	MU6-7531
La	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Me	E A Janse Associates	354 Washington St, Wellesley Hls, Mass	CE5-1623
Mo	Chester F Paddock	P.O. Box 192, Silver Spring, Md	JU9-6554
Mass	E A Janse Associates	354 Washington St, Wellesley Hls 82,	CE5-1623
Mich	Service Equipment Elec Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 9,	FE9-0707
Miss	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Mo	L J Morefield Co	713 Brookfield Rd, Wichita 6, Kan	MU6-7531
Nev	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
NH	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
NJ	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NY	Frank W Taylor Co	Box 222, Delmitt 14, NY	[illegible]-3354
NY	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
NC	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
ND	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 9, Minn	FE9-0707
Ohio	George H Ohmer	Box 34, Sta D, Dayton 10, Ohio	AX3-3761
Ohio	Service Equipment Elec Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Okla	L J Morefield Co	713 Brookfield Rd, Wichita 6, Kan	MU6-7531
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
Pa	Chester F Paddock	Box 192, Silver Spring, Md	JU9-6554
RI	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
SC	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
SD	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 9, Minn	FE9-0707
Tenn	Southeast Engineering Co	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Tex	L J Morefield Co	713 Brookfield Rd, Wichita 6, Kan	MU6-7531
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Vt	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
Va	Chester F Paddock	Box 192, Silver Spring, Md	JU9-6554
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
W. Va	Chester F Paddock	Box 192, Silver Spring, Md	JU9-6554
Wisc	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Wisc	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 9, Minn	FE9-0707
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Canada	Aeromotive Engineering Products	147 Hymus Blvd, Pointe Claire, Quebec	MEI-4396
Foreign	The Export Co	2165 Ridgemont Dr, Los Angeles 46, Cal	OL6-1473

CHRISTMAN INDUSTRIES INC ..... 1562 61st St, Brooklyn, NY DE1-4072

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LO5233
Conn	Fred Lesser	Box 591, Manchester, NH	NA2-3464
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Ind	R C Whitmore	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Iowa	R C Whitmore	520 N. Michigan Ave, Chicago, Ill	MO4-1904
La	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LO5233
Me	Fred Lesser	P.O. Box 591, Manchester, NH	NA2-3464
Mass	Fred Lesser	Box 591, Manchester, NH	
Mich	R C Nordstram & Co	218 Briggs Bldg, Birmingham, Mich	JO4-6129
Minn	R C Whitmore	520 N. Michigan, Chicago, Ill	MO4-1904
NH	Fred Lesser	Box 591, Manchester, NH	
NJ	Land C Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NY	Land C Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LO5233
RI	Fred Lesser	Box 591, Manchester, NH	NA2-3464
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LO5233
Vt	Fred Lesser	Box 591, Manchester, NH	NA2-3464
Wisc	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904

CHRONO-LOG CORP ..... P.O. Box 4587, Philadelphia 31, Pa LO7-5178

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	R A Mayes Co	P.O. Box 3344, El Paso, Tex	LY8-2982
Cal	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2155
Conn	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Del	Wild & Associates Inc	P.O. Box 95, Southampton, Pa	LO8-7078
DC	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Iowa	Engineering Products Associates Inc	1821 University Ave, St. Paul 4, Minn	MI6-3443
Md	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Minn	Engineering Products Associates Inc	1821 University Ave, St. Paul 4, Minn	MI6-3443
NJ	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NM	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
NY	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
ND	Engineering Products Associates Inc	1821 University Ave, St. Paul 4, Minn	MI6-3443
Pa	Wild & Associates Inc	P.O. Box 95, Southampton, Pa	LO8-7078
SD	Engineering Products Associates Inc	1821 University Ave, St. Paul 4, Minn	MI6-3443
Tex	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
Va	Wild & Associates, Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274

CHU ASSOCIATES ..... P.O. Box 347, Littleton, Mass GL6-3282

CHURCHILL LIGHTING CORP ..... 344 Franklin St, Melrose 76, Mass MO5-4700

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	SA7-6126
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	AL4-4664
Ark	Kay Sales Co	26 Grand Ave, Kansas City 8, Mo	BA1-3800
Cal	E V Roberts & Associates	5068 W. Washington Blvd, L A 16, Cal	WE3-5781
Cal	E V Roberts & Associates	1680 Laurel St, San Carlos, Cal	LY3-7878
Cal	E V Roberts & Associates	4370-70th St, San Diego 4, Cal	AT3-2149
Ohio	R E Vinson	Box 8163, University Pk Sta, Denver 10	SU9-2851
Conn	H L Davis	Beaverspenne Rd, Woodbury, Conn	CO3-3570
Del	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
DC	E R Hitchcock & Associates	734-15th St, N.W., Washington, DC	EX3-5535
Fla	E C Raymund & Associates	Box 8215, Madeira Beach, Fla	SA7-6126
Ga	E C Raymund & Associates	Box 8215, Madeira Beach, Fla	SA7-6126
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	LA265-275
Ill	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Iowa	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Kan	Kay Sales Co	400 N. Emporia St, Wichita, Kan	HO4-2893
Me	Jones & Granger Inc	131 State St, Boston 9, Mass	HA6-4310
Md	Ken Randall Co	1303 Midvale Ave, Baltimore 28, Md	RI7-5260
Mass	Jones & Granger Inc	131 State St, Boston 9, Mass	HA6-4310
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Nev	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL2-8904
NH	Jones & Granger Inc	131 State St, Boston 9, Mass	HA6-4310
NJ	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NM	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL2-8904
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NC	E C Raymund & Associates	829 Friar Tuck Rd, Raleigh, NC	TE4-8559
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	Jay Engineering Co	1721 E. Third St, Dayton 3, Ohio	CL3-2151
Ohio	Jay Engineering Co	5413 Pearl Rd, Cleveland 9, Ohio	TU4-4080
Pa	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
RI	Jones & Granger Inc	131 State St, Boston 9, Mass	HA6-4310
SC	E C Raymund & Associates	829 Friar Tuck Rd, Raleigh, NC	TE4-8559
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	E C Raymund & Associates	829 Friar Tuck Rd, Raleigh, NC	TE4-8559
Utah	Raymond E Vinson	University Park Sta, Denver 10, Colo	SU9-2851
Vt	Jones & Granger Inc	131 State St, Boston 9, Mass	HA6-4310
Va	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
Wisc	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Wyo	Raymond E Vinson	University Park Sta, Denver 10, Colo	SU9-2851
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Can	PL7-3253

CIBA PRODUCTS CORP ..... Fair Lawn, NJ SW1-1122

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Thompson-Hayward Chemical Co	Box 4068, Sta F, New Orleans 18, La	UN6-8686
Alaska	Great Western Chemical Co	6900 Fox Ave, Seattle 8, Wash	PA5-6350
Ariz	Dorsett & Jackson Inc	3800 Noakes St, Los Angeles 23, Cal	AN8-1815
Ark	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Cal	Dorsett & Jackson Inc	3800 Noakes St, Los Angeles 23, Cal	AN8-1815
Colo	Thompson-Hayward Chemical Co	1501 W. 13th Ave, Denver 4, Colo	KE4-1281
Conn	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
Del	Geo A Rowley & Co., Inc	937 N. Front St, Philadelphia 23, Pa	MA7-3077
DC	The A B Kohl Sales Co	4615 Edmonston Ave, Baltimore 29, Md	LO6-3667
Fla	Charles L Burks & Co	Box 1666, High Point, NC	HI2-1551
Ga	Charles L Burks & Co	Box 54, East Point, Ga	PO6-3671
Idaho	Great Western Chemical Co	3720 N.W. Yeon, Portland, Ore	
Ill	Fred A Jansen & Associates	510 N. Dearborn St, Chicago 10, Ill	SU7-3809
Ind	Indiana Naval Stores Co	401 W. 17th St, Indianapolis 2, Ind	WA3-2431
Iowa	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Kan	Thompson-Hayward Chemical Co	Box 2897, Wichita 2, Kan	AM5-9606
Ky	C L McGuire & Co	137 St. Matthews Ave, Louisville 7, Ky	TW6-8743

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ky	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
La	Thompson-Hayward Chemical Co	219 Beech St, Shreveport, La	3-4982
Me	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
Md	The A B Kohl Sales Co	4615 Edmondson Ave, Baltimore 29, Md	LO6-3667
Mass	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
Mich	A E Fleming Co	1900 E. Jefferson Ave, Detroit 7, Mich	LO7-8031
Minn	Thompson-Hayward Chemical Co	909 2nd St, S., Minneapolis 15, Minn	FE2-5394
Miss	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Mo	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Mont	Thompson-Hayward Chemical Co	1501 W. 13th Ave, Denver 4, Colo	KE4-1281
Neb	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Nev	Wm G Loughlin & Co	400 Montgomery St, San Francisco 4, Cal	SU1-5582
NH	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
NJ	D H Litter Co., Inc	116 E. 16th St, New York 3, NY	SP7-4410
NJ	Geo A Rowley & Co., Inc	937 N. Front St, Philadelphia 23, Pa	MA7-3077
NM	Thompson-Hayward Chem Co	Box 323, Lubbock, Tex	PO3-2831
NY	Commercial Chemicals Inc	211 Hertel Ave, Buffalo 7, NY	DE5314
NY	D H Litter Co., Inc	116 E. 16th St, New York 3, NY	SP7-4410
NC	Charles L Burks & Co	P.O. Box 1666, High Point, NC	HI2-1551
ND	Thompson-Hayward Chemical Co	909 2nd St, S., Minneapolis 15, Minn	FE2-5394
Ohio	J H Hinz Co	Rockefeller Bldg, Cleveland 13, Ohio	CH1-0073
Ohio	T C Kiese	Box 93, Cincinnati 13, Ohio	EI-6203
Okla	Harry A Baumstark & Co	6801 Hoffman Ave, St. Louis 9, Mo	MI7-1234
Ore	Great Western Chemical Co	3720 N.W. Yeon, Portland, Ore	
Pa	John D Butts	Grant Bldg, Pittsburgh 19, Pa	AT1-7680
Pa	Geo A Rowley & Co., Inc	937 N. Front St, Philadelphia 23, Pa	MA7-3077
RI	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
SC	Charles L Burks & Co	Box 1666, High Point, NC	HI2-1551
SD	Thompson-Hayward Chemical Co	909 2nd St, S., Minneapolis 15, Minn	FE2-5394
Tenn	Charles L Burks & Co	Box 1666, High Point, NC	HI2-1551
Tex	Chemicals International Inc	Prudential Bldg, Houston 25, Tex	JA2-4141
Tex	Thompson-Hayward Chemical Co	Box 6226, Dallas 22, Tex	FE1-5521
Vt	D H Litter Co., Inc	291 N. Harvard St, Allston 34, Mass	AL4-1882
Va	The A B Kohl Sales Co	4615 Edmondson Ave, Baltimore 29, Md	LO6-3667
Wash	Great Western Chemical Co	6900 Fox Ave, Seattle 8, Wash	PA5-5382
W. Va	John D Butts	Grant Bldg, Pittsburgh 19, Pa	AT1-7680
Wisc	Fred A Jensen & Associates	510 N. Dearborn St, Chicago 10, Ill	SU7-3809
Wyo	Thompson-Hayward Chemical Co	1501 W. 13th Ave, Denver 4, Colo	KE4-1281
	CINCO WIRE & CABLE CO	**303 Crescent Ave, Allendale, NJ**	**DA7-2522**
Cal	Harry Appleton Co	136 San Fernando Rd, Los Angeles 31	CA5-5611
Fla	George F Bohman	Orlando, Fla	GA5-6860
Mass	Forsberg Electric Sales Co	125 Perkins Ave, Brockton, Mass	JU3-0034
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	
NJ	Edwin B Hinck	270 N. Mountain Ave, Upper Montclair, NJ	PI6-2625
NY	Edwin B Hinck	270 N. Mountain Ave, Upper Montclair, NJ	PI6-2625
NY	Harry H Corcoran	E. Morris Ave, Tabor, NJ	
Pa	Harry J Corcoran	E. Morris Ave, Tabor, NJ	
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas, Tex	RI7-5824
	CINAUDAGRAPH INC	**7334 N. Clark St, Chicago 26, Ill**	**SH3-7010**
	CINCH MFG CO	**1026 S. Homan Ave, Chicago 24, Ill**	**NE2-2000**
Cal	Cinch Mfg Co	1709 W. 8th St, Los Angeles 17	HU3-6810
Cal	Graphik Circuit Div	200 S. Trumbull Canyon, City of Industry	ED3-1201
DC	S K Macdonald Inc	3308 14th St, Washington, DC	CO3938
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach	WI5-2962
Fla	Cartwright & Bean	4525 S. Lois Ave, Tampa	62-0111
Ga	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta	CE7-2273
Ind	Cinch Mfg Co	5237 N. Keystone, Indianapolis	CL1-9525
La	Cartwright & Bean	821 Pontalba St, New Orleans	AU2264
Md	S K Macdonald Inc	2016 Winford Rd, Baltimore, Md	CL4-9966
Mass	Cinch Mfg Co	Wellesley Hills, Mass	CE5-7410
Mich	Cinch Mfg Co	2832 E. Grand Blvd, Detroit	TR3-9500
Mich	Cinch Mfg Co	5006 Lake Forest Dr, Kalamazoo	FI5-5686
NY	Cinch Mfg Co	475 Fifth Ave, New York 17	MU3-9356
NY	Cinch Mfg Co	647 S. Warren Ave, Syracuse	HA2-1379
NC	Cartwright & Bean	625 Hanwyn Dr, Charlotte	FR6-8648
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland	TO1-2626
Pa	S K Macdonald Inc	1531 Spruce St, Philadelphia	KI5-1205
Pa	S K Macdonald Inc	335 Fifth Ave, Pittsburgh	AT2253
Tenn	Cartwright & Bean	560 S. Cooper, Memphis	BR6-4442
Tex	Cinch Mfg Co	1500 Jackson St, Dallas	RI2-5911
Canada	Cinch Mfg Co	Gage Ave & Beach Rd, Hamilton, Ontario	LI4-5791
	CINCINNATI SUB-ZERO PRODUCTS	**3930 E. Reading, Cincinnati 29, Ohio**	**PL1-8810**
Ariz	L H Freeman Co	5717 S. Broadway, L A 37, Cal	PL8-9892
Cal	L H Freeman Co	5717 S. Broadway, Los Angeles	PL8-9892
Colo	Strauch Refrigeration Co	4501 Logan St, Denver 16, Colo	CH4-1001
Conn	L Heres De Wyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Del	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
DC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ill	Sherertz-Henderson Co	5707 W. Lake St, Chicago 44	CO1-1032
Ind	S E Waller	3521 Harvard Blvd, Dayton 6, Ohio	CR5-4151
Iowa	Sherertz Henderson Co	5707 W. Lake St, Chicago 44, Ill	CO1-1032
Kan	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
Me	L Heres De Wyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Md	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Mass	L Heres De Wyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Mo	Ernie Sturm	8768 Dell Vista Dr, St. Louis 23, Mo	PR1-8080
NH	L Heres DeWyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
NJ	S E Wallar	3521 Harvard Blvd, Dayton 6, Ohio	CR5-4151
NY	Owens Machinery Corp	1804 Erie Blvd, Syracuse 1	GR2-2236
NC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ohio	S E Wallar	3521 Harvard Blvd, Dayton 6	CR5-4151
Okla	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
RI	L Heres DeWyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Tex	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
Vt	L Heres DeWyk & Co., Inc	89 Main St, Ansonia, Conn	RE4-5681
Va	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Wash	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
NY	Kuler Machinery Co	210 Highland at Calvin, Buffalo 23	BE5678
	CINEMA ENGINEERING DIV AEROVOX CORP	**1100 Chestnut St, Burbank, Cal**	**VI9-5511**
Ala	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Alaska	Frazar & Hansen	301 Clay St, San Francisco, Cal	EX2-5112
Ariz	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
Ark	Earl K Moore	5864 Louisville St, New Orleans, La	AL2407
Ca	Cashin & Tipton	2270 Rosecrans St, San Diego	AC2-0408
Cal	David H Ross Co	534 El Camino Real, San Carlos	LY1-4411
Colo	Franklin Sales Co	2149 S. Clermont St, Denver, Colo	SK7-1371
Conn	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Del	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
DC	Aerovox Corp	1145-19th St, N.W., Washington 6, DC	NA8-4355
Fla	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Hawaii	Frazar & Hansen	301 Clay St, San Francisco, Cal	EX2-5112
Idaho	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Ill	Tom Hunter	4441 Irving Park, Chicago 41, Ill	SP7-2500
Ind	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Iowa	Tom Hunter	4441 Irving Park, Chicago 41, Ill	SP7-2500
Ky	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
La	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Me	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Md	Aerovox Corp	1145-19th St, N.W., Washington 6, DC	NA8-4355
Mass	Samuel C Hooker Inc	2 Winchester Pl, Winchester,	PA9-2745
Mich	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis 17,	PA9-7371
Miss	Earl K Moore	5864 Louisville St, New Orleans, La	AU2407
Mont	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
NH	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
NJ	Sydney H Baum	70-15 Fleet St, Forest Hills 75, NY	BO3-8101
NM	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque,	CH3-4551
NY	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
NY	Sydney H Baum	70-15 Fleet St, Forest Hills 75,	BO3-8101
NC	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
ND	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15,	TO1-5753
Okla	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Pa	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
RI	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
SD	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1,	RI7-5824
Utah	Franklin Sales Co	2149 S. Clermont, Denver, Colo	SK7-1371
Vt	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Va	Aerovox Corp	1145-19th St, N.W., Washington 6, DC	NA8-4355
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
W. Va	Aerovox Corp	1145-19th St, N.W., Washington 6, DC	NA8-4355
Wisc	Tom Hunter	4441 Irving Park, Chicago 41, Ill	SP7-2500
Wyo	Franklin Sales Co	2149 S. Clermont St, Denver, Colo	SK7-1371
Foreign	Frazar & Hansen	301 Clay St, San Francisco, Cal	EX2-5112
	CIRCLE MFG CO	**722 Monmouth St, Trenton 4, NJ**	**EX2-3141**
	CIRCO ULTRASONIC CORP	**51 Terminal Ave, Clark, NJ**	**FU8-8600**
Ala	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
Ariz	United Chem & Scientific Corp	4123 Silver Ave, S.E., Albuquerque, NM	AL5-7620
Cal	Kennematic Co	14637 Bessemer St, Van Nuys	TR3-2427
Cal	Hugh Gray Co	2166 Market St, San Francisco	KL2-1777
Cal	Alert Supply Co	2041 S. Davie Ave, Los Angeles	RA3-8641
Colo	United Chem & Scientific Corp	4123 Silver Ave, S.E., Albuquerque, NM	AL5-7620
Conn	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
Del	K Wm Ostrom	333 Shadeland, Drexel Hill, Pa	CL9-1130
DC	K Wm Ostrom	333 Shadeland, Drexel Hill, Pa	CL9-1130
Fla	A J M Corp	1800 Central Ave, St. Petersburg	ST5-7793
Ga	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
Ga	The Key Co	5422 Finsbury Pl, Charlotte, NC	EM6-3102
Ill	Chemtay Corp	10150 Roosevelt Rd, Westchester	FI4-2400
La	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
La	The Key Co	5422 Finsbury Pl, Charlotte, NC	EM6-3102
Me	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
Md	K Wm Ostrom	333 Shadeland, Drexel Hill, Pa	CL9-1130
Md	Circo Equipment Co	401 N. Broad St, Phila, Pa	WA2-3110
Mass	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
Mich	Raymond Pflug	18055 James Couzens Hwy, Detroit	UN4-2132
Minn	W D Forbes Co	129 6th Ave, S.E., Minneapolis	FE8-6917
Mo	Davies Supply & Mfg Co	4160 Meramec St, St. Louis, Mo	ME4-9332
NH	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
NM	United Chem & Scientific Corp	4123 Silver Ave, S.E., Albuquerque,	AL5-7620
NY	Charles J Curran	210 Wellesley Rd, Syracuse,	GR5-4432
NC	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
NC	The Key Co	5422 Finsbury Pl, Charlotte, NC	EM6-3102
Ohio	Circo Equipment Co	1440 W. 8th St, Cincinnati	MA1-0287
Ohio	Circo Equipment Co	1501 Euclid Ave, Cleveland	SU1-9892
Ohio	Industrial Electronics Lab	606 La Grange St, Toledo	CH4-5827
Pa	K Wm Ostrom	333 Shadeland Ave, Drexel Hill, Pa	CL9-1130
Pa	Lomison Sound Systems	1131 Tucker St, Williamsport,	7935
Pa	Circo Equipment Co	401 N. Broad St, Philadelphia	WA2-3110
RI	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
SC	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
Tenn	A J M Corp	1800 Central Ave, St. Petersburg, Fla	ST5-7793
Tex	R F Hamilton & Associates	4515 Prentice St, Dallas	EM1-0038
Tex	Davies Supply & Mfg Co	2547 Farrington St, Dallas	RI7-5423
Vt	Chemical Corp	54 Waltham Ave, Springfield, Mass	RE9-5601
Va	The Key Co	5422 Finsbury Pl, Charlotte, NC	EM6-3102
W. Va	The Key Co	5422 Finsbury Pl, Charlotte, NC	EM6-3102
Wisc	O'Donohue Sales Co	3818 N. Hubbard St, Milwaukee	WO2-3280
Foreign	J E Greyer Jr & Assoc	548 Meyer Ct, Aurora, I	
	CIRCON COMPONENT CORP	**Santa Barbara Airport, Goleta, Cal**	**WO7-1113**
Cal	R V Weatherford Co	6921 San Fernando Rd, Glendale 1	VI9-2471
Ill	Harry Halinton Engineers	6400 N. Leoti Ave, Chicago 46	RO3-2132
Mass	Brookdale Engineering & Services Co	6 Beacon St, Boston 8	CA7-1515
NY	Terminal Electronic Inc	236 W. 17th St, New York 11	WO4-3311
NY	Davis Electronics Corp	204 Main St, Hempstead	IV3-9200
NY	Radio Equipment Corp	147-151 Genesee St, Buffalo 3	MA9-676
NY	Stack Electronics Inc	25 State St, Binghamton	3-7337
Wash	Marsh Agencies	2601 First Ave, Seattle 2	MA2-8761
Wash	F B Connelly Co	1015 Republican St, Seattle 9	MA4-4155
	CITY CHEMICAL CORP	**132 W. 22nd St, New York 11, NY**	**WA9-2723**
	CLAIREX CORP	**19 W. 26th St, New York 10, NY**	**MU4-0940**
Ca	C P Clare & Co	6047 Hollywood Blvd, Los Angeles 28	HO2-7209
Cal	C P Clare & Co	55 New Montgomery St, San Francisco 5	YU2-7932
DC	C P Clare & Co	906 Tower Bldg, Washington 5, DC	EX3-1337
Fla	W Ben Wimberly Co	532 S. Ft. Harrison Ave, Clearwater	CL3-7072
Fla	W Ben Wimberly Co	203 N. Lucerne Circle, Orlando, Fla	GA5-3083
Ga	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10	PL8-7496
Hawaii	Radio Wholesale & Supply Co	610 Ward St, Honolulu 14, Hawaii	
Ill	C P Clare & Co	3034 W. Devon Ave, Chicago 45, Ill	AM2-7700
Kan	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Mass	De Veer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Minn	C P Clare & Co	P.O. Box 6103, Minneapolis 24, Minn	TA4-7064
NM	R E McClendon Co	915 Yale, S.E., Albuquerque, NM	CH3-4551
NY	C P Clare & Co	420 Lexington Ave, New York 17, NY	MU4-1702
NY	C P Clare & Co	E. Lake Rd, Skaneateles, NY	RO3-4471
Ohio	Baehr Greenleaf & Associates	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Ohio	Bruce W Fisher	7960 Mitchell Farm Ln, Cincinnati 42	TW1-3827
Ohio	Eldon W Miller	3350 Maplewood Dr, Xenia, Ohio	CH4-5485
	CLARE & CO., C P	**3101 W. Pratt Blvd, Chicago 45, Ill**	**AM2-7700**
Pa	C P Clare & Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3385
Tex	Ray M Hilton	4810 Hazard, Houston 5, Tex	JA8-3811
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Wash	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Canada	C P Clare Canada Ltd	2700 Jane St, Downsview, Ont, Canada	ME3-6793
	CLARE TRANSISTOR CORP., CP	**260 Glen Head Rd, Glen Head, NY**	**OR1-3500**
Ala	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL8-7496
Alaska	C B Parson & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Ariz	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
Ark	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Cal	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
Cal	C P Clare & Co	55 New Montgomery St, San Francisco 5	YU2-7932
Colo	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
Conn	C P Clare & Co	420 Lexington Ave, New York 17, NY	MU4-1702
Conn	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Del	C P Clare & Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3385
DC	C P Clare & Co	906 Tower Bldg, Washington, DC	
DC	C P Clare & Co	1405 K St, N.W., Washington 5, DC	EX3-1337
Fla	W Ben Wimberly Co	532 S. Ft. Harrison Ave, Clearwater	CL3-7072
Ga	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10	PL8-7496
Hawaii	Radio Wholesale & Supply Co	610 Ward Ave, Honolulu 14, Hawaii	
Idaho	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Ill	C P Clare & Co	3034 W. Devon Ave, Chicago 45, Ill	AM2-7700
Ind	C P Clare & Co	3034 W. Devon Ave, Chicago 45, Ill	AM2-7700
Iowa	C P Clare & Co	P.O. Box 6103, Minneapolis 24, Minn	TA4-7064
Kan	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Ky	Bruce W Fisher	7960 Mitchell Farm Ln, Cincinnati 42, Ohio	TW1-3827
La	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Me	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Md	C P Clare & Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3385
Md	C P Clare & Co	1405 K St, N.W., Washington 5, DC	EX3-1337
Mass	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Mich	C P Clare & Co	3034 W. Devon Ave, Chicago 45, Ill	AM2-7700
Minn	C P Clare & Co	Box 6103, Edina Branch, Minneapolis 24	TA4-7064
Miss	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL8-7496
Mo	C P Clare & Co	3034 W. Devon Ave, Chicago 45, Ill	AM2-7700
Mo	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Mont	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Neb	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Nev	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
Nev	C P Clare & Co	55 New Montgomery, San Francisco, Cal	YU2-7932
NH	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
NJ	C P Clare & Co	420 Lexington Ave, New York 17, NY	MU4-1702
NJ	C P Clare & Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3385
NM	The R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	C P Clare & Co	420 Lexington Ave, New York 17, NY	MU4-1702
NY	C P Clare & Co	E. Lake Rd, RD 3, Skaneateles, NY	RO3-4471
NC	C P Clare & Co	1405 K St, N.W., Wash 5, DC	EX3-1337
Ohio	Bruce W Fisher	7960 Mitchel Farm Ln, Cincinnati 42	TW1-3827
Ohio	Baehr Greenleaf & Associates Inc	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Ohio	Eldon W Miller	3350 Maplewood Dr, Xenia, Ohio	CH4-5485
Okla	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Okla	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Ore	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Pa	C P Clare & Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3385
RI	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
SC	C P Clare & Co	1405 K St, N.W., Wash 5, DC	EX3-1337
Tenn	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL8-7496
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Tex	Ray M Hilton	4810 Hazard, Houston 5, Tex	JA8-3811
Tex	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
Utah	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
Vt	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Va	C P Clare & Co	1405 K St, N.W., Wash, DC	EX3-1337
Wash	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
W. Va	C P Clare & Co	1405 K St, N.W., Wash, DC	EX3-1337
Wisc	C P Clare & Co	Box 6103, Edina Br, Minnpls 24, Minn	TA4-7064
Wyo	C P Clare & Co	6047 Hollywood Blvd, L A 28, Cal	HO2-7209
	CLARK CONTROLLER CO	**1146 E. 152nd St, Cleveland 10, Ohio**	**UL1-2000**
Ala	Clark Controller Co	1747 Reese St, Birmingham 9, Ala	TR9-3457
Ariz	Roy E Coulson Co	8050 N. Third Ave, Phoenix, Ariz	WI3-8935
Ark	V H Peterson	3216 E. 21st Pl, Tulsa, Okla	WE9-0290
Cal	Clark Controller Co	4755 E. 49th St, Los Angeles 58, Cal	LU3-6366
Colo	Peterson Co	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Conn	Clark Controller Co	P.O. Box 4293, Hamden, Conn	AT8-4535
Del	Clark Controller Co	2319 Maryland Ave, Baltimore, Md	BE5-7282
DC	Clark Controller Co	2319 Maryland Ave, Baltimore, Md	BE5-7282
Fla	John S McIlwaine Inc	49 N.E. 22nd St, Miami 37, Fla	9-8122
Ga	Clark Controller Co	3064 Grandview Ave, Atlanta 5, Ga	CE7-6626
Idaho	C W Silver Co	1118 N. 20th St, Boise, Idaho	2-6947
Ill	Clark Controller Co	9107 W. Ogden Ave, Brookfield, Ill	BI2-1517
Ind	Clark Controller Co	504 Broadway, Gary, Ind	TU2-1515
Iowa	Clark Controller Co	1012 Hail St, Bettendorf, Iowa	5-0316
Kan	Fleming & Co	3021 Main St, Kansas City 8, Mo	PL3-0111
Ky	Ensign Electric & Mfg Co	914 Adams Ave, Huntington, W. Va	HU2-8343
La	Butler & Land Inc	1122 Dryades St, New Orleans 13, La	TU0688
Me	Clark Controller Co	369 Boylston St, Newton Centre, Mass	BI4-8200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Md	Clark Controller Co	2319 Maryland Ave, Baltimore 18, Md	BE5-7282
Mass	Clark Controller Co	369 Boylston St, Newton Centre, Mass	BI4-8200
Minn	H R Harris Co	807 13th Ave, S., Minneapolis 4, Minn	FE6-4388
Mich	Clark Controller Co	1580 W. 7 Mile Rd, Detroit 35, Mich	VE8-2735
Miss	Gregory-Salisbury & Co	429 S. West St, Jackson, Miss	FL5-8305
Mo	Fleming & Co	3021 Main St, Kansas City 8, Mo	PL3-0111
Mont	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
Neb	Conrad R Bangh	W O W Bldg, Omaha 2, Neb	AT4233
Nev	C W Silver Co	550 W. 7th South St, Salt Lake City 4, Utah	EL5-5378
NH	Clark Controller Co	369 Boylston St, Newton Centre, Mass	BI4-8200
NJ	Clark Controller Co	60 E. 42nd St, New York 17, NY	MU2-1743
NM	Associated Engineers	511 Hawkins Rd, El Paso, Tex	PR2-3233
NY	Clark Controller Co	1283 E. Delavan Ave, Buffalo 15, NY	TA1464
NY	Clark Controller Co	60 E. 42nd St, New York 17, NY	MU2-1743
NC	Ranson Wallace & Co	116 1/2 E. 4th St, Charlotte 2, NC	ED4-4244
ND	H R Harris Co	807 13th Ave, S., Minneapolis 4, Minn	FE6-4388
Ohio	Clark Controller Co	217 Ash St, Akron 8, Ohio	HE4-3129
Ohio	Clark Controller Co	3342 Erie Ave, Cincinnati 8, Ohio	TR1-0410
Okla	V H Peterson	3216 E. 21st Pl, Tulsa, Okla	WE9-0290
Ore	Andrew L Polich Inc	734 N.W. Glisan St, Portland	CA3-6241
Pa	Clark Controller Co	119 Coulter Ave, Ardmore, Pa	GR7-0707
Pa	Clark Controller Co	2882 W. Liberty Ave, Pittsburgh 16, Pa	LO1-3542
RI	Clark Controller Co	369 Boylston St, Newton Centre, Mass	BI4-8200
SC	Ranson Wallace & Co	116 1/2 E. 4th St, Charlotte 2, NC	ED4-4244
SD	Conrad R Bangh	524 W O W Bldg, Omaha 2, Neb	AT4232
Tenn	Gregory-Salisbury & Co	240 S. Parkway, E., Memphis 6, Tenn	WH8-0496
Tex	Butler & Land Inc	5538 Dyer St, Dallas 5, Tex	EM1-6631
Tex	Industrial Equipment Co	6831 Navigation Blvd, Houston 11, Tex	WA8-5431
Utah	C W Silver Co	550 W. 7th South St, Salt Lake City	EL5-5378
Vt	Clark Controller Co	369 Boylston St, Newton Centre, Mass	BI4-8200
Va	Ranson Wallace & Co	Box 8762, W. Hampton Sta, Richmond 26,	AT8-8758
Wash	H M Denny Co	111 W. Harrison St, Seattle 99, Wash	AT4-0530
Wash	Andrew L Polich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
W. Va	Ensign Electric & Mfg Co	914 Adams Ave, Huntington, W. Va	HU2-8343
Wisc	Clark Controller Co	6108 W. Lincoln Ave, Milwaukee 19, Wisc	LI3-5533
Wyo	Peterson Co	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Foreign	Clark Controller Co	60 E. 42nd St, New York 17, NY	MU2-1743
Foreign	Clark Controller Co	4755 E. 49th St, Los Angeles 58, Cal	LU3-6366
	CLARK CRYSTAL CO	**Farm Rd, Marlboro, Mass**	
	CLARK ELECTRONIC LABS	**P.O. Box 165, Palm Springs, Cal**	**FA8-2210**
	CLARKSON LABS INC	**919 N. Ninth St, Philadelphia 23, Pa**	**MA7-6764**
	CLAROSTAT MFG CO., INC	**Dover, NH**	**SH2-1120**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, Los Angeles	WE1-1041
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Colo	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Conn	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Hawaii	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Idaho	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Ill	Bruce Cumming & Associates Inc	6029 W. Belmont Ave, Chicago 32, Ill	ME7-3770
Ill	Henry D Sarkis	5604 N. Western Ave, Chicago 45, Ill	AR1-3774
Ind	Victor Musser	608 W. Second St, Marion, Ind	NO2-7874
Ind	Needler Sales Co	Sta C, Box 2407, Fort Wayne, Ind	HA9726
Iowa	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Kan	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Ky	Victor Musser	608 W. Second St, Marion, Ind	NO2-7874
La	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Me	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Md	Charles W Lienau & Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit	BR3-3652
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308-9
Minn	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Mo	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Mont	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Neb	Maury Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
NH	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
NJ	George T Higgins	141 Broadway, New York, NY	WO2-5308
NJ	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
NM	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
NY	Leon L Adelman Co	25 Chittenden Ave, New York City 33, NY	SW5-1145
NY	Leonard D Allen Inc	115-117 Luther Ave, Syracuse 8, NY	GR1-3108
NY	Samuel Bialek	205 E. 42nd St, New York 17, NY	MU4-1655
NY	George T Higgins	141 Broadway, New York, NY	WO2-5308
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
ND	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Clarence W Henderson	400 Gilpin Rd, Narberth, Pa	MO4-9588
Pa	Albert D Leban Associates	218 Lloyd Ln, Philadelphia 31, Pa	MI2-9047
Pa	Berl & Whitaker, Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
RI	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
SD	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Utah	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Vt	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Va	Charles W Lienau & Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Wisc	Bruce Cumming & Associates Inc	6029 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Wisc	Henry D Sarkis	5604 N. Western Ave, Chicago 45, Ill	AR1-3774
Wyo	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Canada	Canadian Marconi Co	830 Bayview Ave, Toronto 17, Ontario	HU1-5221
Cuba	William Rodriguez	Box 1976, Havana, Cuba	A-4521
Foreign	Simons & Son Co., Inc M The	25 Warren St, New York 7, NY	BA7-5513
	CLARY CORP	**San Gabriel, Cal**	
	CLAUSS CUTLERY CO	**Fremont, Ohio**	**FE2-7344**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Geo E Smith Co	2834 W. Main St, Anaheim, Cal	CU3-7221
Cal	George E Smith Co	2834 W. Main St, Alhambra, Cal	CU3-7221
Del	Truitt & Co	1708 Harris Rd, Philadelphia 18, Pa	
DC	Truitt & Co	1708 Harris Rd, Philadelphia 18, Pa	
Hawaii	W W Robinson Associates	1132 Auahi St, Honolulu 14, Hawaii	
Ill	Wm Paradise & Associates	5845 W. North Ave, Chicago 39, Ill	
Ind	Wm Paradise & Associates	5845 W. North Ave, Chicago 39, Ill	
Md	Truitt & Co	1708 Harris Rd, Philadelphia 18, Pa	
Mich	Marvin L Partridge	54433 W. Eight Mile Rd, Northville, Mich	FI9-0095
Minn	Wm Paradise & Associates	5845 W. North Ave, Chicago 39, Ill	
Nev	Geo E Smith Co	2834 W. Main St, Alhambra, Cal	CU3-7221
NJ	Truitt & Co	1708 Harris Rd, Philadelphia 18, Pa	
NY	Clauss Cutlery Co	41 E. 42nd St, New York 17, NY	YU6-0258
Ore	Geo E Smith Co	2834 W. Main St, Alhambra, Cal	CU3-7221
Pa	Truitt & Co	1708 Harris Rd, Philadelphia 18, Pa	
Wash	Geo E Smith Co	2834 W. Main St, Alhambra, Cal	CU3-7221
Wisc	W H Paradise & Associates	5845 W. North Ave, Chicago 39, Ill	
	CLEAR BEAM ANTENNA CORP	**21341 Roscoe Blvd, Canoga Park, Cal**	**DI7-2255**
Cal	F W Moulthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Conn	Robert S Reiss & Associates	70 Jessie Dr, West Haven, Conn	WE4-5261
Fla	Ralph J Palmisano	4304 Corona St, Tampa 9, Fla	62-4701
Ga	William T Little	Box 308, East Point, Ga	PO1-5353
Hawaii	Gene Piety Factors Inc	2030 Homerule St, Honolulu 17, Hawaii	8-3105
Ill	Felleisen Associates	5841 W. Montrose Ave, Chicago 34, Ill	SP7-1060
Ind	Baatz Sales Co	3535 Horner Dr, Indianapolis 19, Ind	UN2-4717
Md	Morris F Taylor & Associates	P.O. Box 111, Silver Spring, Md	UP9-4002
Mich	Lawrence Zaffina Co	7351 Gratiot Ave, Detroit 5, Mich	WA1-4442
Minn	John E M Anderson	5231 Humboldt Ave, S. Minneapolis 19	TA3-6499
Mo	T H Ellis & Co	2201 Grand Ave, Kansas City 8, Mo	BA1-0260
NY	Sam R Eisenberg & Associates	215-32 Murdock Ave, Queens Village 29	HO8-9448
NC	Lee S Reed	1224 Dresden Dr, W. Charlotte 5, NC	KE7-4878
Ohio	Robert W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Pa	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-6487
Tex	Antle-Smith Sales	2721 Brookfield, Dallas, Tex	FL7-7279
Wash	Blair Hirsh	1565 Sixth Ave, S., Seattle 4, Wash	MU2-7754
	CLEARPRINT PAPER CO	**1482 67th St, Emeryville, Cal**	
	CLEARTONE REPRODUCTIONS CORP	**18-06 127 St, College Point, NY**	**IN3-0072**
	CLECO AIR TOOLS DIV REED ROLLER BIT CO	**P.O.Box 2119, Houston, Tex**	**OR2-1761**
Ala	C L Griffith	1312 27th Pl, S., Birmingham, Ala	FA3-7332
Ariz	Cleco Air Tools	2634 Tanager Ave, Los Angeles, Cal	RA3-4787
Ark	R H Culbert	3359 N. Lansing Pl, Oklahoma City, Okla	FI5-6371
Cal	Cleco Air Tools	2834 Tanager Ave, Los Angeles, Cal	RA3-4787
Colo	Kebelman-Cleco Air Tools	7103 Truman Rd, Kansas City 26, Mo	HU3-3700
Conn	E J Monsport	17 Holiday Hill Rd, Meriden, Conn	BE5-1833
Del	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
DC	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
Fla	Cleco Air Tools	1080 E. 45th St, Hialeah, Fla	MU8-4795
Ga	Cleco Air Tools	1299 Spring St, N.W., Atlanta, Ga	TR4-8729
Ill	Cleco Air Tools	5926 S. Pulaski Rd, Chicago, Ill	PO7-1166
Ind	R S Washburn	5200 Kercheval Dr, Lawrence, Ind	LI5-1867
Iowa	Cleco Air Tools	5926 S. Pulaski Rd, Chicago, Ill	PO7-1166
Kan	Cleco Air Tools	7103 Truman Rd, Kansas City 26, Mo	HU3-3700
Ky	Cleco Air Tools	18071 Wyoming Ave, Detroit, Mich	UN1-0047
La	Cleco Air Tools	3425 N. Acadian Thruway, Baton Rouge,	EL6-2563
Me	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
Md	H L Haines	Belair & Temple Rds, Kingsville, Md	LY2-5411
Mich	Cleco Air Tools	18071 Wyoming Ave, Detroit, Mich	UN1-0047
Minn	Cleco Air Tools	5926 S. Pulaski Rd, Chicago, Ill	PO7-1166
Miss	Cleco Air Tools	3425 Acadian Thruway, Baton Rge, La	EL6-2563
Mo	Cleco Air Tools	2322 Locust St, St. Louis, Mo	GA1-4288
Mo	Cleco Air Tools	7103 Truman Rd, Kansas City, Mo	HU3-3700
Nev	Cleco Air Tools	2834 Tanager Ave, Los Angeles, Cal	RA3-4787
NH	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
NJ	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
NM	Cleco Air Tools	2526 W. Mockingbird Ln, Dallas, Tex	FL2-9545
NY	J E Zwaga	399 Westchester Ave, Rochester 9, NY	HU2-1596
NC	T D Wallace	4717 Wendover Ln, Charlotte 7, NC	EM6-2542
ND	Cleco Air Tools	5926 S. Pulaski Rd, Chicago, Ill	PO7-1166
Ohio	D J Ram	1976 Marshfield, Cleveland 24, Ohio	HI2-1990
Okla	R H Culbert	3359 N. Lansing Pl, Tulsa, Okla	FI5-6371
Ore	Cleco Air Tools	2834 Tanager Ave, Los Angeles, Cal	RA3-4787
Pa	Cleco Air Tools	5720 N. 5th St, Philadelphia, Pa	DA4-5500
Pa	Cleco Air Tools	423 McNeilly Rd, Pittsburgh 26, Pa	LO3-2330
RI	Cleco Air Tools	75 Lock St, Newark, NJ	MA3-0692
SC	T D Wallace	4717 Wendover Ln, Charlotte 7, NC	EM6-2542
SD	Cleco Air Tools	5926 S. Pulaski Rd, Chicago, Ill	PO7-1166
Tenn	C L Griffith	112 S. 14th St, Birmingham, Ala	FA2-1802
Tex	Cleco Air Tools	2526 W. Mockingbird Ln, Dallas 35, Tex	FL2-9545
Utah	Cleco Air Tools	2526 W. Mockingbird Ln, Dallas 35, Tex	FL2-9545
Vt	Cleco Air Tools	75 Lock St, Newark 3, NJ	MA3-0692
Va	Cleco Air Tools	423 McNeilly Rd, Pittsburgh 26, Pa	LO3-2330
Wash	Cleco Air Tools	2834 Tanager Ave, Los Angeles, Cal	RA3-4787
W Va	Cleco Air Tools	423 McNeilly Rd, Pittsburgh 26, Pa	LO3-2330
Wisc	H W McMullen	130 E. Morgan, Milwaukee, Wisc	HU3-3327
Wyo	Cleco Air Tools	2322 Locust St, St. Louis, Mo	GA1-4288
Canada	Cleco Pneu Tool Co Can Ltd	927 Millwood Rd, Toronto, Ont, Canada	PO7-1166
Canada	R C Hewitt	Ave de los Constituyentes 1070, Mexico, DF	
	CLEGG LABS DIV CLEGG INC	**Hanover & Ridgedale, Morristown, NJ**	
	CLEVELAND CONTAINER CO., THE	**6201 Barberton Ave, Cleveland 2, Ohio**	**OL1-4500**
	CLEVELAND ELECTRONICS INC (CLETRON)	**1974 E. 61 St, Cleveland 3, Ohio**	**EX1-3834**
Ala	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
Ariz	Bassett & Moore	12045 Magnolia Blvd, N. Hollywood, Cal	TR7-7129
Ark	J Earl Smith	P.O. Box 35331, Airlawn Sta, Dallas, Tex	FL7-1727
Cal	Bassett & Moore	12045 Magnolia Blvd, N. Hollywood, Cal	TR7-7129
Conn	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Del	Massey & Associates	111 Centerway, Greenbelt, Md	GR4-2071
DC	Massey & Associates	111 Centerway, Greenbelt, Md	GR4-2071
Fla	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
Ga	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Ky	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
La	J Earl Smith	P.O. Box 35331, Airlawn Sta, Dallas, Tex	FI7-1727
Me	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Md	Massey & Associates	111 Centerway, Greenbelt, Md	GR4-2071
Mass	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Mich	Rod Butchart	16637 E. Warren, Detoit, Mich	TU2-6666
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Miss	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
NH	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
NC	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
ND	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Ohio	H H Seay Co	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
Okla	J Earl Smith	P.O. Box 35331, Airlawn Sta, Dallas, Tex	FI7-1727
Ore	C B Parsons Co	3028 1st Ave, Seattle 1, Ore	MU2-6780
Pa	Dave Linz Co	238 Shelmire, Philadelphia, Pa	ES9-0734
RI	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
SC	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
SD	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Tenn	V Avis McCorvey	215 Church St, Decatur, Ga	DR7-6167
Tex	J Earl Smith	P.O. Box 35331, Airlawn Sta, Dallas, Tex	FI7-1727
Vt	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Va	Massey & Associates	111 Centerway, Greenbelt, Md	GR4-2071
Wash	C B Parsons Co	3028 1st Ave, Seattle 1, Ore	MU2-6780
W Va	H H Seay Co	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
Canada	Norris Burgess	417 Mt. Pleasant Rd, Toronto 7, Ont, Can	HU9-1894
Foreign	Morhan Exporting Corp	458 Broadway, New York 13, NY	WA5-1257
	CLEVELAND GRAPHITE BRONZE DIV CLEVITE	**17000 St. Clair Ave, Cleveland 10, Ohio**	**IV1-7221**
Cal	Joseph Palsuinch	4629 Van Nuys Blvd, Van Nuys, Cal	ST8-0660
Ill	A E Gibbs	332 S. Michigan Ave, Chicago 7, Ill	WA2-6230
Mich	W D Cowgill	General Motors Bldg, Detroit 2, Mich	TR2-3453
NY	L A Douglass	405 Lexington Ave, New York 17, NY	OX7-7860
	CLEVELAND INSTRUMENT CO	**6229 E. Scheef Rd, Cleveland, Ohio**	**LA4-4821**
Ala	J R Carlson Machinery Co	3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-3276
Ariz	Specifax Co	555 E. Walnut St, Pasadena, Cal	RY1-8830
Cal	Harry W Smith & Associates	1341 Old Country Rd, Belmont, Cal	LY3-7869
Cal	Specifax Co	555 E. Walnut St, Pasadena, Cal	RY1-8830
Colo	Clint Helton & Co	142 Broadway, Denver, Colo	RA2-5752
Conn	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
Del	George S Maier Co	40 Wyncroft Dr, Media, Pa	LO6-5960
Ga	J R Carlson Machinery Co	3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-3276
Ill	Louis A Bergstrom	714 Holly Ct, Mt. Prospect, Ill	CL9-2072
DC	George S Maier Co	40 Wyncroft Dr, Media, Pa	LO6-5960
Ill	Ted Froeberg	364 Park Terr, S.E., Cedar Rapids, Iowa	EM2-6547
Ill	Michael J Delany Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA5-3575
Ind	A D Miller	Wysor Block, Muncie, Ind	AT4-1691
Iowa	Ted Froeberg	364 Park Terr, S.E., Cedar Rapids, Iowa	EM2-6547
Kan	Michael J Delany Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA5-3575
Me	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
Md	George S Maier Co	40 Wyncroft Dr, Media, Pa	LO6-5960
Mass	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
Mich	Wagner & Madison	18450 Livernois, Detroit 21, Mich	UN2-0825
Minn	W K Nelson Co	807 13 Ave, S., Minneapolis, Minn	FE3-1215
Mo	Michael J Delany Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA5-3575
Neb	Ted Froeberg	364 Park Terr, S.E., Cedar Rapids, Iowa	EM2-6547
NH	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
NJ	Clarkson & Foreman Inc	50 Church St, New York 17, NY	WO2-2140
NM	Clint Helton & Co	142 Broadway, Denver 3, Colo	RA2-5752
NY	Clarkson & Foreman Inc	50 Church St, New York 17, NY	WO2-2140
NY	John Clough	P.O. Box 107, Rochester 10, NY	BU8-3180
NC	Apex Machine Tool Supply Inc	P.O. Box 8005, Charlotte, NC	EX9-0454
Ohio	Sam Sherry	6514 Westminster, Parma 29, Ohio	TU4-3539
Ohio	Wagner & Madison	18450 Livernois, Detroit 21, Mich	UN2-0825
Ohio	H E Hofferberth Machinery Co	1111 Ashland Ave, Dayton 20, Ohio	CL3-7287
Pa	George S Maier Co	40 Wyncroft Dr, Media, Pa	LO6-5960
RI	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
SC	Apex Machine Tool Supply Inc	P.O. Box 8005, Charlotte, NC	EX9-0454
Tex	James A Ramschneider	P.O. Box 1091, Garland, Tex	RI1-5225
Utah	Clint Helton & Co	142 Broadway, Denver 3, Colo	RA2-5752
Vt	T McMurtrie Co	28 Main St, Woonsocket, RI	PO9-7701
Va	Apex Machine Tool Supply Inc	P.O. Box 8005, Charlotte, NC	EX9-0454
Wisc	Larry Hammond Co	1551 N. 35th St, Milwaukee 8, Wisc	DI2-6822
Wyo	Clint Helton & Co	142 Broadway, Denver 3, Colo	RA2-5752
Canada	Alexander & Orlick Ltd	211 Greenwich St, Brantford, Ontario, Can	PL3-3181
Canada	Alexander & Orlick Ltd	9 Hartley Ave, Toronto, Ontario, Canada	RU7-3480
Canada	Alexander & Orlick Ltd	5316 Park Ave, Montreal, Quebec, Canada	CR1-5840
Fla	J R Carlson Machinery Co	711 Magnolia Ave, Orlando, Fla	CH1-3041
	CLEVELAND METAL SPECIALTIES CO	**1783 E. 21st St, Cleveland 14, Ohio**	**PR1-4186**
Ohio	Chas Dolfuss jr & Son	Film Bldg, Cleveland, Ohio	PR1-1270
	CLEVELAND MICA CO	**1360 Hird Ave, Lakewood, Ohio**	**AC6-1360**
Mo	Joe Meiners Co	4500 Natural Bridg Ave, St. Louis, Mo	EV3-4833
	CLEVITE ELECTRONIC COMPONENTS DIV CLEVITE CORP	**3405 Perkins Ave, Cleveland, Ohio**	**EN1-1730**
Ala	George F Bohman	1239 Newcastle Dr, Orlando, Fla	
Ariz	R F Duncumb	3402 W. Century Blvd, Inglewood 2, Cal	
Cal	R F Duncumb & A G Schmidt	3402 W. Century Blvd, Inglewood 2, Cal	
Colo	P A Feeger	3041 S. Broadway, Englewood, Colo	
Conn	Donald Markeson	125 Lewis St, Perth Amboy, NJ	
Del	Jack Luch	10 Cedar Parkway S., Livingston, NJ	
DC	Jack Luch	10 Cedar Parkway S., Livingston, NJ	
Fla	George F Bohman	1239 Newcastle Dr, Orlando, Fla	
Ga	George F Bohman	1239 Newcastle Dr, Orlando, Fla	
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	
Ill	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Ind	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Iowa	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Kan	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Ky	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	

TERR	MANUFACTURERS SALES/OR	REPRESENTATIVES OFFICES	TEL. NO.
La	George F Bohman	1239 Newcastle Dr, Orlando, Fla	
Me	Donald Markesor	125 Lewis St, Perth Amboy, NJ	
Md	Jack Luch	10 Cedar Parkway S, Livingston, NJ	
Mass	Donald Markesor	125 Lewis St, Perth Amboy, NJ	
Mich	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Miss	George F Bohman	1239 Newcastle Dr, Orlando, Fla	
Mo	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Neb	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
Nev	R F Duncumb	3402 W. Century Blvd, Inglewood 2, Cal	
NH	Donald Markesor	125 Lewis St, Perth Amboy, NJ	
NJ	Jack Luch	10 Cedar Pkwy, S., Livingston, NJ	
NM	Edward Brooks	1122 C San Mateo, S.E., Albuquerque, NM	
NY	Donald Markesor	125 Lewis St, Perth Amboy, NJ	
NY	Jack Luch	10 Cedar Pkwy, S., Livingston, NJ	
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	
Pa	Jack Luch	10 Cedar Pkwy, S., Livingston, NJ	
RI	Donald Markeson	125 Lewis St, Perth Amboy, NJ	
Utah	P A Feeger	3041 S. Broadway, Englewood, Colo	
Vt	Donald Markesor	125 Lewis St, Perth Amboy, NJ	
Va	Jack Luch	10 Cedar Pkwy, S., Livingston, NJ	
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	
W. Va	Jack Luch	10 Cedar Pkwy, S., Livingston, NJ	
Wisc	R M Zimmerman	1915 N. Harlem Ave, Chicago 35, Ill	
	CLEVITE TRANSISTOR PRODUCTS	**241 Crescent St, Waltham 54, Mass**	**TW4-9330**
Ariz	Ray Johnston & Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Cal	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Cal	Cerruti & Associates	P.O.Box 509, Redwood City, Cal	EM9-3354
Colo	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Del	Clevite Transistor	105 Town Center Rd, King of Prussia, Pa	BR9-8280
DC	Jay A Mount & Co	14th & F Sts, N.W., Washington, DC	ME8-2702
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach 62, Fla	JE1-0200
Idaho	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Ill	Clevite Transistor	1915 N. Harlem Ave, Chicago, Ill	TU9-7070
Ind	Clevite Transistor	1915 N. Harlem Ave, Chicago, Ill	TU9-7070
Iowa	W E Fry Co	406 W. 34th St, Kansas City 11, Mo	JE1-5326
Iowa	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Kan	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5326
Md	Clevite Transistor	105 Town Center Rd, King of Prussia, Pa	BR9-8280
Mich	Clevite Transistor	1915 N. Harlem Ave, Chicago, Ill	TU9-7070
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Mo	W E Fry Co	406 W. 34th St, Kansas City 11, Mo	JE1-5326
Mont	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Neb	W E Fry Co	406 W. 34th St, Kansas City 11, Mo	JE1-5326
Nev	Cerruti & Associates	P.O. Box 509, Redwood City, Cal	EM9-3354
NJ	Clevite Transistor	105 Towne Center Rd, King of Prussia, Pa	BR9-8280
NM	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-8071
NY	Clevite Transistor	338 Northern Blvd, Great Neck, NY	HU7-9414
NY	Fowler Beach Corp	3700 East Ave, Rochester 18, NY	LU6-0468
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Ohio	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
Ore	Ray Johnston & Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Clevite Transistor	105 Towne Center Rd, King of Prussia	BR9-8280
Pa	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
SD	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Tenn	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tex	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Utah	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Va	J A Mount & Co	14th & F Sts, N.W. Washington, DC	ME8-2702
Wash	Ray Johnston & Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Wyo	Clevite Transistor	3402 W. Century Blvd, Inglewood, Cal	OR8-4137
Canada	Glendon Co Ltd	603 Evans Ave, Toronto, Ontario, Canada	CL5-5001
	CLEVITE-WALCO	**60 Franklin St, East Orange, NJ**	**OR4-1060**
	CLIFTON CONDUIT CORP	**3300 Eastbourne Ave, Baltimore, Md**	**DI2-8490**
	CLIFTON MFG CO., INC	**20 N. Springfield Rd, Clifton Heights, Pa**	
	CLIFTON PRECISION PRODUCTS CO., INC	**Marple at Broadway, Clifton Hgts, Pa**	**MA2-1000**
Cal	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR3-0206
Colo	Clifton Precision Products Co., Inc	401 E. Fillmore, Colorado Springs, Colo	ME2-2691
Mass	The Darbury Corp	437 Cherry St, W. Newton 65, Mass	BI4-2053
Mo	Clifton Precision Products Co., Inc	200 S. Bemiston, Clayton 5, Mo	PA6-5330
NY	H W Brede Co	589 Glen Cove Rd, Glen Head, NY	OR6-4900
NY	H W Brede Co	712 State Tower Bldg, Syracuse 2, NY	GR1-3441
Tex	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas 6, Tex	TA6-4171
Foreign	Andrew S Szucs	50 Broad St, New York 4, NY	WH4-7486
	CLIPPARD INSTRUMENT LAB INC	**Box 68, Cincinnati 39, Ohio**	
	CLOSE ASSOCIATES INC	**233 Broadway, New York 7, NY**	**WO4-5144**
	CLOUGH BRENGLE CO., THE	**6014 Broadway, Chicago, Ill**	**AM2-2200**
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-5219
DC	Houser Associates	734 15th St, N.W., Washington, DC	ME8-0084
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Canada	Hackbusch Electronics Ltd	23 Primrose Ave, Canada, Toronto, Ontario	
	CLOVER INDUSTRIES INC	**584 Young St, Tonawanda, NY**	**LU1331**
	CLY-DEL MFG CO	**42 Sharon Rd, Waterbury, Conn**	**PL6-7264**
Mich	Turner & Greer	New Center Bldg, Detroit, Mich	
Mo	A O Woerner & Sons	4030 Chouteau Ave, St. Louis, Mo	
Ohio	Misamore-Davis Co	20950 Center Ridge Rd, Cleveland, Ohio	ED1-0977
Ohio	J D Rohlfs	5044 Chantilly Dr, Cincinnati, Ohio	ME1-0856
	COAST COIL CO	**5333 W. Washington Blvd, L A 16, Cal**	**WE6-6188**
	COAST PRO-SEAL & MFG CO	**2235 Beverly Blvd, Los Angeles 57, Cal**	**DU7-5141**
Ala	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
Ark	Robert Dick	P.O. Box 12082, Fort Worth 16, Tex	PE8-0571
Cal	Walter Fertig	3834 Corina Way, Palo Alto, Cal	DA1-4675
Colo	Paul Minter	P.O. Box 3156, Wichita, Kan	AM7-7801
Conn	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
Del	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
DC	Jack Barbee	1035 Investment Bldg, Washington, DC	EX3-1457
Fla	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
Ga	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
Idaho	Don R Edwards	P.O. Box 33, Seattle, Wash	PA2-0640
Ill	A E Williams	Rural Rt 1, Markel, Ind	
Ind	A E Williams	Rural Rt 1, Markel, Ind	
Iowa	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Kan	Paul Minter	P.O. Box 3156, Wichita, Kan	AM7-7801
Ky	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
La	Robert Dick	P.O. Box 1282, Fort Worth 16, Tex	PE8-0571
Me	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
Md	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
Mass	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
Mich	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Minn	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Miss	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
Mo	Paul Minter	P.O. Box 3156, Wichita, Kan	AM7-7801
Nev	Walter Fertig	3834 Corina Way, Palo Alto, Cal	DA1-4675
NH	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
NJ	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
NY	L K Detwiler	443 Broad St, Newark, NJ	HU5-9000
NY	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
NC	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
ND	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Ohio	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Okla	Paul Minter	P.O. Box 3156, Wichita, Kan	AM7-7801
Ore	Don R Edwards	P.O. Box 33, Seattle, Wash	PA2-0640
Pa	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
RI	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
SC	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
SD	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
Tenn	R E McConnell	3230 Peachtree Rd, N.E. Atlanta, Ga	CE7-1975
Tex	Robert Dick	P.O. Box 12082, Fort Worth 16, Tex	PE8-0571
Utah	Walter Fertig	3834 Corina Way, Palo Alto, Cal	DA1-4675
Vt	A B Marsh	P.O. Box 405, Millington, NJ	MI7-1790
Va	Jack Barbee	1035 Investment Bldg, Washington, DC	EX3-1457
Wash	Don R Edwards	P.O. Box 33, Seattle, Wash	PA2-0640
W. Va	Jack Barbee	1035 Investment Bldg, Washington, DC	EX3-1457
Wisc	Matt Sitter	1530 S. Lee St, Des Plaines, Ill	VA7-5266
	COAXIAL CONNECTOR CO., INC	**37 N. 2nd Ave, Mt. Vernon, NY**	**MO8-6416**
	COBEHN INC	**226 Passaic Ave, Caldwell, NJ**	**CA6-6675**
Ariz	John C Henberger Co	4434 Ingraham St, San Diego, Cal	HU8-2143
Cal	Griff R Jones	718 E. 60th St, Los Angeles, Cal	AD1-0029
Colo	Rowley & Bouvette	1370 S. Eaton Ct, Denver, Colo	WA2-2624
Idaho	Seatronics Inc	1806 Bush Pl, Seattle, Wash	EA3-8545
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Me	Fred Whiteside Corp	10 High St, Boston, Mass	HA6-0846
Mass	Fred Whiteside Corp	10 High St, Boston, Mass	HA6-0846
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Minn	Hugh Marsland & Co	231 N. Edgewood, Minneapolis, Minn	LI5-4481
Mo	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Mont	Seatronics Inc	1806 Bush Pl, Seattle, Wash	EA3-8545
NH	Fred Whiteside Corp	10 High St, Boston, Mass	HA6-0846
Ore	Seatronics Inc	1806 Bush Pl, Seattle, Wash	EA3-8545
Pa	Chem-Tronics Inc	R F D 3, Reading, Pa	FR3-6837
RI	Fred Whiteside Corp	10 High St, Boston, Mass	HA6-0846
Utah	Rowley & Bouvette	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Vt	Fred Whiteside Corp	10 High St, Boston, Mass	HA6-0846
Wash	Seatronics Inc	1806 Bush Pl, Seattle, Wash	EA3-8545
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
	COHAN-EPNER CO., INC	**142 W. 14th St, New York 11, NY**	**CH3-3411**
	COHN CORP., SIGMUND	**121 S. Columbus Ave, Mt. Vernon, NY**	**MT4-5300**
	COIL CO OF AMERICA INC	**220 Washington St, Northvale, NJ**	**CL5-3434**
	COIL WINDERS INC	**Ames Ct, F[illegible]view, NY**	**WE1-7200**
Ala	Jaeger-Cordoray	Winter Park, Fla	MI7-3709
Ark	Cotton Daniels	P.O. Box 8511, Tulsa, Okla	
Conn	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Del	Wilco Associates	733 15th St, N.W. Washington 5, DC	
DC	Wilco Associates	733 15th St, N.W. Washington 5, DC	
Fla	Jaeger-Cordoray	Winter Park, Fla	MI7-3709
Ga	Jaeger-Cordoray	Winter Park, Fla	MI7-3709
Ill	Rudy Binder	1107 Speale Ave, Park Ridge,	
Ind	Thomas Hyers	3601 Felician St, Ft. Wayne, Ind	
Kan	Cotton Daniels	P.O. Box 8511, Tulsa, Okla	
La	Cotton Daniels	P.O. Box 8511, Tulsa, Okla	
Me	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Md	Wilco Associates	733 15th St, N.W. Washington 5, DC	
Mass	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Miss	Jaeger-Cordoray	Winter Park, Fla	MI7-3709
NH	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
NJ	Arnold Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
NY	Arnold Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
Okla	Cotton Daniels	P.O. Box 8511, Tulsa, Okla	
Pa	J M Barrett Associates	810 Federal St, Camden 3, NJ	
RI	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Tex	Cotton Daniels	P.O. Box 8511, Tulsa, Okla	
Vt	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Va	Wilco Associates	733 15th St, N.W. Washington 5, DC	
	COIL WINDING EQUIPMENT CO	**19 Maxwell Ave, Oyster Bay, NY**	**OY6-1285**
Ariz	Tri-State Supply Corp	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
Cal	Tri-State Supply Corp	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
Cal	Tri-State Supply Corp	554 Bryant St, San Francisco 7, Cal	EX2-8890
DC	William E Summerbell	Duport Circle Bldg, Washington 6, DC	HU3-3354
Idaho	Tri-State Supply Corp	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
Ill	J J Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Ind	Andrew Sallade	3683 River Rd, Toledo 14, Ohio	CH1-1141
Mich	Andrew Sallade	3683 River Rd, Toledo 14, Ohio	CH1-1141
Ohio	Andrew Sallade	3683 River Rd, Toledo 14, Ohio	CH1-1141
Ore	Tri-State Supply Corp	322 Occidental Ave, Seattle 4, Wash	MA2-4161
Pa	P W Newell Co	6101 Penn Ave, Pittsburgh 6, Pa	MO1-5766
Wash	Tri-State Supply Corp	322 Occidental Ave, Seattle 4, Wash	MA2-4161
Wisc	J J Glenn & Co	7915 N. Boyd Way, Milwaukee 17, Wisc	FL2-7262
	COILCRAFT INC	**Cary, Ill**	**ME9-2361**
Cal	Worthco Corp	430 N. Camden Dr, Beverly Hills, Cal	CR5-0108
Ind	Raymond W Stoltenberg	2515 Marcy Ln, Ft. Wayne, Ind	KE4453
Md	Robert Hilderbrand	Fairview Village, Pa	CA7-6225
Mich	Raymond W Stoltenberg	2515 Marcy Ln, Ft. Wayne, Ind	KE4453
NY	Paul D Aaron	Professional Bldg, Port Washington, NY	PW7-5670
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore, NY	GI6-6920
Ohio	Raymond W Stoltenberg	2515 Marcy Ln, Ft. Wayne, Ind	KE4453
Pa	Robert Hilderbrand	Fairview Village, Pa	CA7-6225
	COILS-ELECTRONICS CO	**2939-49 N. 2nd St, Philadelphia 33, Pa**	
	COLBER CORP., THE	**26 Buffington St, Irvington, NJ**	**ES5-3004**
Mich	Ed W Walter	3049 E. Grand Blvd, Detroit, Mich	
	COLDSTREAM ENGINEERING CO	**P.O. Box 1893, Tulsa, Okla**	
	COLE ELECTRIC CO	**8439 Steller Dr, Culver City, Cal**	**UP0-4701**
Ala	J K Spader Jr-Gearhart Co	512 N. 18th St, Birmingham 5, Ala	AL2-7419
Cal	W B Gilbert Co	7923 Emerson Ave, Los Angeles 45, Cal	OR8-3418
Cal	K M Ryals Co	141 King St, San Francisco 7, Cal	YU2-5510
Cal	Cashin & Tipton Co	3270 Resecrans St, San Diego, Cal	AC2-0408
Colo	W E Eckelman	817 Qewntin St, Aurora 8, Colo	EM6-7651
Ga	Walter V Gearhart Co	Gearhart Bldg, Atlanta 16, Ga	CE3-4431
Kan	Lawrence J May	6631 E. Kellott, Wichita, Kan	MU4-0218
La	Jones-Philibert Co	359 Suave Rd, New Orleans, La	KE4-6471
Mo	L G Wendegatz Co	4610 Troost Ave, Kansas City, Mo	WE1-1355
NY	B Berman & Son Sales Co., Inc	534 E. 26th St, Brooklyn 10, NY	UL9-3100
Okla	R C Ramsey	819 N. Virginia, Oklahoma City, Okla	RE9-1241
Tex	Rex May	6115 Denton Dr, Dallas, Tex	
Tex	Elgin B Robertson Inc	1339 Plowman Ave, Dallas 4, Tex	WH2-3157
	COLE-HERSEE CO	**20 Old Colony Ave, Boston, Mass**	**AN8-2190**
	COLE RADIO WORKS	**86 Westville Ave, Caldwell, NJ**	**CA6-1419**
	COLEMAN ELECTRONICS INC	**133 E. 162nd St, Gardena, Cal**	**FA1-4775**
Ala	Col-Ins-Co., Inc	1012 Big Cove-Rd, Huntsville, Ala	JE9-1711
Ariz	Sanders & Sanders Inc	P.O. Box 4333, Tucson, Ariz	MA3-0106
Cal	Sanders & Sanders, Inc	18406 Calvert St, Reseda, Cal	DI3-9689
Colo	Sanders & Sanders	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	Michael S Coldwell Inc	289 S. Fairfield Ave, Hartford 6, Conn	JA2-5832
DC	F R Jodon Inc	8510 Beech Tree Rd, Wash 14, DC	EM5-1515
Fla	Col-Ins-Co., Inc	64 E. Central Ave, Suite 214, Orlando, Fla	GA2-6197
Ga	Col-Ins-Co., Inc	2354 Ewing Dr, Atlanta, Ga	CE7-1494
Ill	Karl A Kopetzky	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1081
Md	F R Jodon Inc	2408 Burridge Rd, Baltimore 14, Md	NO8-1933
Mass	Michael S Coldwell Inc	41 Lancaster Rd, Needham, Mass	HI4-1192
Mich	Electro-Mation Associates	4012 E. Nine Mile Rd, Warren, Mich	JE9-1420
NJ	Kenneth E Hughes Co., Inc	4808 Bergenline Ave, Union City, NJ	UN7-3204
NY	Kenneth E Hughes Co., Inc	4808 Bergenline Ave, Union City, NJ	OX5-0082
NY	Kenneth E Hughes Co., Inc	P.O. Box 54, Fayetteville, NY	NE7-9531
Ohio	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton	CH4-2744
Pa	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia, Pa	EV6-3130
Tex	Harry O Edmiston	2717 Swiss Ave, Dallas 4, Tex	TA7-2853
Wash	Sanders & Sanders Inc	1430 - 130th N.E., Bellevue, Wash	GL4-9511
	COLEMAN INSTRUMENTS INC	**42 Madison St, Maywood, Ill**	**FI5-9400**
	COLEMAN WIRE & CABLE CO	**1911 N. River Rd, River Grove, Ill**	
	COLLARO LTD (ROCKBAR)	**650 Halstead Ave, Mamaroneck, NY**	**OW8-7300**
Ala	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Ariz	R Mark Markman Co	4260 Lankershim Blvd, N. Hollywood, Cal	
Ark	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas, Tex	
Cal	R Mark Markman Co	4260 Lankershim Blvd, N. Hollywood, Cal	
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	
Conn	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
Del	Lowery Associates Co	5 E. Wynnewood Rd, Wynnewood, Pa	
DC	Lowery Associates Co	5 E. Wynnewood Rd, Wynnewood, Pa	
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Hawaii	Bill Kolans & Co	219 California Dr, Burlingame, Cal	
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	
Ind	Charles Scheffler Co	1133 Navajo Trail, Rural Rt 4, Indpls, Ind	
Iowa	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	
Ky	Charles Scheffler Co	1133 Navajo Trail, Rural Rt 4, Indpls, Ind	
La	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas, Tex	
Me	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
Md	Lowery Associates Co	50 E. Wynnewood Rd, Wynnewood, Pa	
Mass	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
Mich	Jack Thorpe	640 Hidden Ln, Detroit 36, Mich	
Minn	R Edward Stemm Inc	123 S. 3rd St, Minneapolis, Minn	
Miss	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Mo	Maury E Bettis Co	408 W. 34th St, Kansas City, Mo	
Mont	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	
Neb	Maury E Bettis Co	408 W. 34th St, Kansas City, Mo	
Neb	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	
NH	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
NJ	Lowery Associates Co	5 E. Wynnewood Rd, Wynnewood, Pa	
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque, NM	
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Okla	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	
Ore	Paramount Technical Agencies	9210 28th St, N.W., Seattle, Wash	
Pa	Lowery Associates Co	5 E. Wynnewood Rd, Wynnewood, Pa	
RI	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	
Utah	Hyde Electronics Co	2303 Connor St, Salt Lake City, Utah	
Vt	James F White & Co	100 Hillcrest Rd, Windsor, Conn	
Va	Lowery Associates	5 E. Wynnewood Rd, Wynnewood, Pa	
Va	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Wash	Paramount Technical Agencies	9210 28th St, N.W., Seattle, Wash	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Wisc	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill
Wyo	Hyde Electronics Co	888 S. Lupan St, Denver, Colo
	COLLECTRON CORP	**304 E. 45th St, New York 17, NY ... MU9-7120**
Cal	Costello & Co	2740 S. La Cienega Blvd, Los Angeles 34 ... UP0-8537
NJ	Varrelman & Gorman	12 Highland Dr, Livingston, NJ ... IN3-5000
	COLLINS CORP G L	**2920 E. Hallett St, Long Beach, Cal ... MEO-3121**
Cal	Toll Free Phone	San Diego, Cal ... ZE2-0032
Colo	Toll Free Phone	Denver, Colo ... EN6210
Ill	Toll Free Phone	Chicago, Ill ... EN6210
Mich	Toll Free Phone	Detroit, Mich ... EN7510
Minn	Toll Free Phone	Minneapolis, Minn ... ZE6210
Minn	Toll Free Phone	St. Paul, Minn ... ZE6210
NY	Toll Free Phone	New York, Nassau Co, NY ... EN4051
Ohio	Toll Free Phone	Columbus, Ohio ... EN6210
Tex	Toll Free Phone	Dallas, Tex ... EN6210
Wash	Toll Free Phone	Seattle, Wash ... ZE6210
	COLLINS ELECTRONICS INC	**Stevensville, Md ... MI3-4661**
Ala	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala ... JE6-8493
Cal	Winn R Tompkins & Co	2363 Birch St, Palo Alto, Cal ... DA6-7940
Cal	Arvin Bell Co	385 E. Green St, Pasadena 1, Cal ... MU1-6317
Cal	R V Weatherford Co	6921 San Fernando Rd, Glendale 1, Cal ... TH5-4551
Conn	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
Del	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... OL6-5211
DC	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... OL6-5211
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla ... AM7-0411
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla ... AM7-0411
Idaho	Shaffer & Nelson Inc	312 Occidental Ave, Seattle 4, Wash ... MU2-0186
Ill	Relay Sales Inc	P.O. Box 186-B, West Chicago, Ill ... W. Chicago 1100
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
Ind	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
Ind	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio ... HU1-2652
Iowa	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
Kan	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
Ky	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio ... HU1-2652
Me	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
Md	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... OL6-5211
Mass	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
Minn	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis ... WA6-3919
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla ... AM7-0411
Mo	Douglas R Denman	6427 Evergreen St, Berkeley 21, Mo ... JA4-1116
Mont	Shaffer & Nelson Inc	312 Occidental Ave, Seattle 4, Wash ... MU2-0186
Neb	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
NH	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
NJ	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... OL6-5211
NY	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... WH3-7023
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla ... AM7-0411
ND	Scott Electronic Sales	6500 Xerxes Ave, S., Minnpls 23, Minn ... WA6-3919
Ohio	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio ... HU1-2652
Ore	Shaffer & Nelson Inc	139 S.E. Taylor St, Portland 14, Ore ... BE4-7437
Pa	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... WH3-7023
RI	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
SC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla ... AM7-0411
SD	Scott Electronic Sales	6500 Xerxes Ave, S., Minnpls 23, Minn ... WA6-3919
Tenn	W A Brown & Assoc Inc	201 Capron Rd, Indian City River, Fla ... AM7-0411
Utah	Shaffer & Nelson Inc	1415 S. Main St, Salt Lake City 15, Utah ... EL5-8304
Vt	Gray Engineering Services Co	55 Church St, Beacon Falls, Conn ... PA9-4309
Va	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ ... OL6-5211
Wash	Shaffer & Nelson Inc	312 Occidental Ave, Seattle 4, Wash ... MU2-0186
Wisc	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill ... RO3-1570
	COLLINS RADIO CO	**855 35 St, N.E., Cedar Rapids, Iowa ... EM5-8481**
Ariz	A O Melvin	P.O.Box 1028, Sierra Vista, Ariz ... GL8-3808
Cal	G R Schneider	1510 W. Verdugo, Burbank, Cal ... VI9-6041
Cal	E L Grandison	205 E. 3rd Ave, San Mateo, Cal ... DI2-2131
Colo	J B Mathis	1133 N. Farragut, Colorado Springs, Colo ... ME4-0812
DC	R P Dutton	1825 Connecticut Ave, Washington, DC ... DE2-9211
Fla	L O Emoree	4471 N.W. 36th St, Miami, Fla ... TU8-2407
Ga	J N Hunt	2804 Dodson Dr, E. Point, Ga ... PO6-6246
Ga	R N Edwards	P.O.Box 34, Tifton, Ga
Mich	J A Dotsen	17031 1st Natl Bank Bldg, Detroit, Mich ... WO1-0370
Miss	D W Hosington	P.O.Box 1194, Jackson, Miss ... FL4-3545
Mo	J A Chenoweth	628 S. Rock Hill Rd, St. Louis, Mo ... WO1-2284
NJ	W E Felty	43 W. Front St, Red Bank, NJ ... SH1-6379
NY	G M Bergmann	261 Madison Ave, New York, NY ... MU7-6740
NY	W M Cagney	Turin Rd, Rome, NY ... RO620
Ohio	J W Sneed	3898 Linden Dr, Dayton, Ohio ... CL3-8165
Tenn	J F Stanbery	P.O.Box 547, Gallinburg, Tenn ... GA733
Tex	J M Haerle	1200 N. Alma Rd, Richardson, Tex ... AD5-4511
Wash	W A Wetland	1318 4th Ave, Seattle, Wash ... MA2-9278
Foreign	J H Lasley	242 London Rd, Staines, Middx, England ... ST4128
Canada	A I O Davies	11 Bermondsey Rd, Toronto, Ont, Canada ... PL7-1101
	COLMAN ELECTRONIC PRODS INC	**P.O.Box 2965, Amarillo, Tex ... DR2-7422**
	COLORADO RESEARCH CORP	**Broomfield, Colo ... IM6-2231**
Ariz	Space Data Inc	866 S.W. Normandy Terr, Seattle 66, Wash ... CH2-3867
Ariz	Space Data Inc	8921 Sepulveda Blvd, L A 45, Cal ... OR8-6279
Cal	Cerruti & Associates	Box 509, Redwood City, Cal ... EM9-3354
Cal	Space Data Inc	8921 Sepulveda Blvd, L A 45, Cal ... OR8-6279
Del	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC ... EM5-1515
DC	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC ... EM5-1515
Kan	Space Data Inc	Box 1111, Beeville, Tex
Ky	Dayton Associates	Talbott Tower, Dayton 2, Ohio ... BA3-9621
Md	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC ... EM5-1515
Nev	Cerruti & Associates	Box 509, Redwood City, Cal ... EM9-3354
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio ... BA3-9621
Okla	Don Champion Co	3400 Panola, Ft. Worth, Tex ... JE6-8888
Ore	Space Data, Inc	866 S.W. Normandy Terr, Seattle 66, Wash ... CH2-3867
Pa	Dayton Associates	Talbott Tower, Dayton 2, Ohio ... BA3-9621
Tex	Don Champion Co	3400 Panola, Ft Worth, Tex ... JE6-8888
Va	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC ... EM5-1515
Wash	Space Data Inc	866 S.W. Normandy Terr, Seattle 66, Wash ... CH2-3867
W. Va	Dayton Associates	Talbott Tower, Dayton 2, Ohio ... BA3-9621
	COLUMBIA ELECTRIC MFG CO	**4519 Hamilton Ave, NE, Cleveland 14, O ... EN1-8060**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	COLUMBIA METAL BOX CO	**260 E. 143 St, New York, NY ... LU5-2525**
Ala	Harry A Hoffner	4714 Lake Forest Dr, N.W., Atlanta, Ga ... BL5-5453
Ark	Geo E Anderson Co	1526 N. Merton St, Memphis, Tenn ... GL8-1996
Cal	Geo E Gray Co	2720-17th St, San Francisco, Cal ... HE1-1526
Conn	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
Conn	F J Nolan	177 White Plains Rd, Tarrytown, NY ... ME1-1619
Del	Douty & Downie	2323 Maryland Ave, Baltimore, Md ... TU9-3470
DC	Douty & Downie	2323 Maryland Ave, Baltimore, Md ... TU9-3470
Fla	Harry A Hoffner	1866 Greenwood Ave, Jacksonville, Fla ... EV9-2720
Ga	Harry A Hoffner	4714 Lake Forest Dr, N.W., Atlanta, Ga ... BL5-5453
Ill	Korax Crossley Co	15 N. Jefferson St, Chicago 6, Ill ... ST2-6681
La	Geo E Anderson Co	1319 Veterans Memorial Hwy, Metairie ... VE1-3173
Me	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
Md	Douty & Downie	2323 Maryland Ave, Baltimore, Md ... TU9-3470
Mass	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
Mich	Arlee Electric Sales	8073 Grand River Ave, Detroit 4, Mich ... TY8-7063
Minn	R E Dunn Sales Co	5630 France Ave, S., Minnpls, Minn ... WA6-5221
Miss	Geo E Anderson Co	1526 N. Merton St, Memphis 8, Tenn ... GL8-1996
NH	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
NJ	Peter Keupp	56 Hickory St, Dumont, NJ ... DU4-6757
NY	Leslie Osterman	E. Lake Rd, Skaneateles, NY ... OV5-5871
NC	Harry A Hoffner	1410 Mimosa Dr, Greensboro, NC ... BR3-1604
ND	R E Dunn Sales Co	5630 France Ave, S. Minnpls 24, Minn ... WA6-5221
Ohio	Kirkenny Co	1729 Superior Ave, N.E., Cleveland, Ohio ... CH1-4306
Okla	Geo E Anderson Co	5801 N. Rollin St, Oklahoma City, Okla ... VI2-2236
Pa	Leslie Osterman	E. Lake Rd, Skaneateles, NY ... OV5-5871
Pa	E Ralph Fargotstein Co	119 Federal St, Pittsburgh 12, Pa ... AL1-2600
RI	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
SC	Harry A Hoffner	1401 Mimosa Dr, Greensboro, NC ... BR3-1604
SD	R E Dunn Sales Co	5630 France Ave, S., Minnpls 24, Minn ... WA6-5221
Tenn	C B Turbeyville	935-1 Woodland, Knoxville, Tenn ... KN5-0588
Tex	Geo E Anderson Co	1901 Griffin St, Dallas, Tex ... RI1-5931
Vt	H L Frank & Sons	127 Cambridge St, Boston 34, Mass ... ST2-6619
Va	Douty & Downie	Box 8594 W. Hampton Sta, Richmond, Va ... AT8-0781
W. Va	E. Ralph Fargotstein Co	119 Federal St, Pittsburgh 12, Pa ... AL1-2600
Wisc	Walter M Braun	5401 N. Hollywood Ave, Milwaukee, Wisc ... ED2-1040
	COLUMBIA PRODUCTS CO	**RFD 3, Columbia, SC ... SU7-8710**
Cal	Art Brothers	16113 S. Harris, Compton, Cal
Cal	McGill & McGill	939 Tiburon Blvd, Tiburon, Cal
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga ... PO7-9646
Ind	Harrison J Blind & Associates	1508 Winton Ave, Indianapolis, Ind
NJ	Metrorep	417 Cedar Ln, Teaneck, NJ ... GE6-4200
NJ	Edward Braddock	P.O. Box 305, Haddonfield, NJ ... HA9-0087
Tex	Macrae-Smith Co	P.O. Box 35113, Dallas 35, Tex
Wash	Ray Johnston Co	11009 Evanston Ave, Seattle 33, Wash ... EM2-0956
	COLUMBIA TECHNICAL CORP	**61-02 31 Ave, Woodside 77, NY ... AS8-7401**
Ariz	M W Riedel & Co	316 E. Valley Blvd, Alhambra, Cal ... CU3-7694
Cal	M W Riedel & Co	316 E. Valley Blvd, Alhambra, Cal ... CU3-7694
Conn	Lin Associates	76 Strathmore Rd, Brighton, Mass ... BE2-9446
Del	Arco Engineering Co	733 15th St, N.W., Wash 5, DC ... EX3-1174
DC	Arco Engineering Co	733 15th St, N.W., Wash 5, DC ... EX3-1174
Fla	Floyd Fausett Inc	777 Pinehurst Terr, S.W., Atlanta, Ga ... PL3-3104
Ga	Floyd Fausett Inc	777 Pinehurst Terr, S.W., Atlanta, Ga ... PL3-3104
Ill	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill ... BE5-6601
Ind	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill ... BE5-6601
Iowa	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill ... BE5-6601
Md	Arco Engineering Co	733 15th St, N.W., Wash 5, DC ... EX3-1174
Mass	Lin Associates	76 Strathmore Rd, Brighton, Mass ... BE2-9446
Mich	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill ... BE5-6601
Miss	Floyd Fausett Inc	777 Pinehurst Terr, S. W., Atlanta, Ga ... PL3-3104
Nev	M W Riedel & Co	316 E. Valley Blvd, Alhambra, Cal ... CU3-7694
NH	Lin Associates	76 Strathmore Rd, Brighton, Mass ... BE2-9446
NJ	George H Weiland	76-49 168th St, Flushing 66, NY ... OL8-4061
NJ	Charles E Schott Co	555 77th St, Brooklyn 9, NY ... SH5-6483
NY	George H Weiland	76-49 168th St, Flushing 66, NY ... OL8-4061
NY	Charles E Schott Co	555 77th St, Brooklyn 9, NY ... SH5-6483
NC	Floyd Fausett Inc	777 Pinehurst Terr, S.W., Atlanta, Ga ... PL3-3104
Pa	George H Weiland	76-49 168th St, Flushing 66, NY ... OL8-4061
RI	Lin Associates	76 Strathmore Rd, Brighton, Mass ... BE2-9446
SC	Floyd Fausett Inc	777 Pinehurst Terr, S.W., Atlanta 10, Ga ... PL3-3104
Tenn	Floyd Fausett Inc	777 Pinehurst Terr, S.W., Atlanta, Ga ... PL3-3104
Vt	Lin Associates	76 Strathmore Rd, Brighton, Mass ... BE2-9446
Va	Arco Engineering Co	733 15th St, N.W., Wash 5, DC ... EX3-1174
Wisc	Louis G Bacher & Associates	4216 W. Division St, Chicago 51, Ill ... BE5-6601
	COLUMBIA WIRE & SUPPLY CO	**2850 Irving Pk Rd, Chicago, Ill ... CO7-31600**
Ala	George Adams	609 Tarver, Monroe, La
Alaska	James W Eckersley	3150 S. W. Hamilton, Portland 1, Ore ... CH6-3183
Ariz	Walter W Corman	7432 W. 80th St, L A 45, Cal
Ark	George Adams	609 Tarver, Monroe, La
Cal	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal ... HE1-0484
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal ... OR4-5833
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
Conn	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass ... CE5-3197
DC	Albert F Schaar	425 Stratford Rd, Baltimore 28, Md ... RI7-3227
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla ... JE1-0200
Ga	George Adams	609 Tarver, Monroe, La
Hawaii	Gene Pretty Factors Inc	2030 Home Rule St, Honolulu 17, Hawaii
Idaho	James W Eckersley	3150 S. W. Hamilton, Portland 1, Ore ... CH6-3183
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
Ill	Gettleman-Littekens Co	5209 N. Kimball Ave, Chicago, Ill ... JU8-0030
Ill	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill ... FR2-8785
Ind	Burt Hensher	2018 Jessie Ave, Ft. Wayne, Ind ... EA4920
Ky	Burt Hensher	2018 Jessie Ave, Ft. Wayne, Ind ... EA4920
La	George Adams	609 Tarver, Monroe, La
Me	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass ... CE5-3197
Md	Albert F Schaar	425 Stratford Rd, Baltimore 28, Md ... RI7-3227
Mass	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass ... CE5-3197
Mich	J Malcolm Flora Inc	N. Territ & Ridgewood, Plymouth, Mich ... GL3-4296
Minn	Stan Clothier Co	12 W. 58th St, Minneapolis 19, Minn ... TA5-1234
Miss	George Adams	609 Tarver, Monroe, La
Mo	Kelley-Schmitz-Winkeler Assoc	7449 Broadway, Kansas City, Mo ... EM1-5651
Mont	James W Eckersley	3150 S. W. Hamilton, Portland 1, Ore ... CH6-3183
Mont	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
Neb	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Nev	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal ... HE1-0484
NH	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass ... CE5-3197
NJ	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY ... SP9-7330
NJ	Eberle-Schaar Co	RD 1, Lewisberry, Pa ... PO6-3995
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY ... SP9-7330
NY	Warren Kaufman	157 Rawlinson Rd, Rochester 17, NY ... CO2778
NC	The Hilker Co	3007 Kinnamon Rd, Winston Salem, NC ... PA5-8588
ND	Stan Clothier Co	12 W. 58th St, Minnpls 19, Minn ... TA5-1234
Ohio	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio ... FA1-4533
Ore	James W Eckersley	3150 S. W. Hamilton, Portland 1, Ore ... CH6-3183
Pa	Eberle-Schaar Co	RD 1, Lewisberry, Pa ... PO6-3995
Pa	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio ... FA1-4533
SC	The Hilker Co	3007 Kinnamon Rd, Winston Salem, NC ... PA5-8588
SD	Stan Clothier Co	12 W. 58th St, Minnpls 19, Minn ... TA5-1234
Tenn	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn
Tenn	George Adams	609 Tarver, Monroe, La
Tex	Hank Lieberman & Associates	6005 Northwood Rd, Dallas, Tex ... EM3-3452
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
Vt	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass ... CE5-3197
Va	Albert F Schaar	425 Stratford Rd, Baltimore 28, Md ... RI7-3227
Wash	James W Eckersley	3150 S. W. Hamilton, Portland 1, Ore ... CH6-3183
W.Va	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio ... FA1-4533
Wisc	Gettleman Litteken Co	5209 N. Kimball Ave, Chicago 25, Ill ... JU8-0030
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo ... ME4-3401
Foreign	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill ... FR2-8785
Canada	Active Radio & TV Distr	58 Spadina Ave, Toronto 28, Ontario, Can ... EM4-2256
	COLUMBIAN CARBON CO, MAPICO COLOR UNIT	**380 Madison Ave, New York City 17, NY ... MU7-2300**
Cal	B E Dougherty Co., The	1807 E. Olympic Blvd, L A 21, Cal ... MA4-9511
Cal	B E Dougherty Co., The	605 Third St, San Francisco 7, Cal ... YU6-5493
Colo	Application Engineers Inc	2150 S. Bellaire St, Denver 22, Colo ... SK7-1781
Ga	Charles L Burks & Co	P.O. Box 54, Atlanta (East Point), Ga ... PO6-3671
Ill	Cary Co., The	228 N. La Salle St, Chicago 1, Ill ... CE6-1426-7
Ky	Wm B Tabler Co	P.O. Box 1254, Louisville 1, Ky ... JU3-7666
La	Roy T. Cucullu Co	307 Baronne Bldg, New Orleans 12, La ... JA5-0994
La	Columbian Carbonco	P.O. Box 1562, Monroe, La ... FA3-8422
Mass	Columbian Carbon Co	8038 Park Square Bldg, Boston 16, Mass ... HA6-0294-5
Mich	Columbian Carbon Co	15800 W. McNichols Rd, Detroit ... BR3-5161
Minn	Willard N Swanson Co	1015 N. 3rd St, Minneapolis 1, Minn ... FE9-5652
Mo	Abner Hood Chemical Co	507 N. Montgall Ave, Kansas City 20 ... CH1-3621
Mo	J E Nicholas & Co	1375 S. Kingshwy, St. Louis, Mo ... PR2-0043
NJ	Columbian Carbon Co	601 Cass St, Trenton, NJ ... EX2-3197
NC	Charles L Burks & Co	P.O. Box 1032, Black Mountain, NC ... NO9-8445
NC	Charles L Burks & Co	P.O. Box 1666, High Point, NC ... HI2-1551
Ohio	Columbian Carbon Co	P.O. Box 209, Akron 9, Ohio ... JE5-4191
Pa	Colmbian Carbon Co	130 N. Broadway, Camden 2, NJ ... WO6-3183
Tex	Roy A Ribelin Dist Co	P.O. Box 21081, Houston 26, Tex ... CA4-0656
Tex	Roy A Ribelin Dist Co	209 N. Hawkins, Dallas 26, Tex ... RI8-6041
Canada	Columbian Carbon Ltd	7 Superior Ave, Toronto 14, Ont ... CL9-8617
Canada	Columbian Carbon Ltd	7147 Park Ave, Montreal 15 ... CR1-4596
	COLUMBUS ELECTRONICS CORP	**1010 Saw Mill River Rd, Yonkers, NY ... YO8-1221**
Cal	Jack Berman Co	1141 S. Lacienega Blvd, L A 35, Cal ... OL5-8920
Cal	Bill Kolans	219 California Dr, Burlingame, Cal ... DI4-7111
DC	S K MacDonald	217 Riggs Bank Bldg, Washington, DC ... CO5-3938
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill ... KE9-7555
Md	S K MacDonald	2016 Winford Rd, Baltimore, Md ... ID5-1760
Mass	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needhsor, Mass ... HI4-1400
Mo	Kelly-Schmitz-Winkeler Associates	3938 Lindell Blvd, St Louis 8, Mo ... OL2-6455
NJ	S & M	595 Broad Ave, Ridgefield, NJ ... WH5-0080
NY	S & M	150-08 87th Ave, Jamaica, NY ... OL8-8881
Ohio	Bek Associates	330 Salem Ave, Dayton 6, Ohio ... CR8-1343
Pa	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa ... KI5-1205
Pa	S K MacDonald Inc	715 Second Federal Bldg, Pittsburgh, Pa ... AT1-2253
	COLUMBUS PROCESS CO., INC	**2851 Southeastern Ave, Columbus, Ind ... DR2-4471**
Cal	Philip H Heckendorn	803 Houseman St, LaCanada, Cal ... SY0-2869
Mo	F R Hearn Co	5761 Chippewa St, St. Louis 9, Mo ... HU1-8135
Ohio	H W Whitby Co	1051 Salem Ave, Dayton 6, Ohio ... CR7-0093
		CR7-9083
Pa	Columbus Process Co., Inc	1851 Allegheny Ave, Philadelphia, Pa ... GA5-1658
	COLVIN LABS INC	**364 Glenwood Ave, East Orange, NJ ... OR7-1221**
Ala	William G Margot	2238 Duncan Dr, Largo, Fla ... JU4-3745
Ariz	Randolph Engineering Corp	1029 N. First St, Phoenix, Ariz ... AL8-5281
Cal	Randolph Engineering Corp	12202 E. Garvey Ave, El Monte, Cal ... CU3-4183
Conn	Bordeweick Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass ... VI3-0845
Del	George Goodman Co	103 E. 25th St, Baltimore 18, Md ... BE5-5570
DC	George Goodman Co	103 E. 25th St, Baltimore 18, Md ... BE5-5570
Fla	William G Margot	2238 Duncan Dr, Largo, Fla ... JU4-3745
Ga	William G Margot	2238 Duncan Dr, Largo, Fla ... JU4-3745
Ill	K W Hawkins Engineering Corp	6517 N. Central Ave, Chicago 30, Ill ... SP4-2244
Kan	Lawrence Hill	1635 Garland Ave, Wichita, Kan ... AM7-3850
La	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex ... WA6-4444
Me	Bordeweick Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass ... VI3-0845
Md	George Goodman Co	103 E. 25th St, Baltimore 18, Md ... BE5-5570
Mass	Bordeweick Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass ... VI3-0845
Mich	Ralph Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio ... CH1-4581
Mo	Lawrence Hill	1635 Garland Ave, Wichita, Kan ... AM7-3850
NH	Bordeweick Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass ... VI3-0845
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY ... BA3-8000
NJ	George Goodman Co	P.O. Box 201, Wayne, Pa ... MU8-5490
NM	Randolph Engineering Corp	12202 E. Garvey Ave, El Monte, Cal ... CU3-4183
NY	L L Schley Co	P.O. Box 214, DeWitt, NY ... GI6-1642
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY ... BA3-8000
NC	George Goodman Co	103 E. 25th St, Baltimore 18, Md ... BE5-5570
Ohio	Ralph Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio ... CH1-4581
Okla	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex ... WA6-4444
Pa	Ralph Nelson Inc	980 Laurel Ave, Pittsburgh 34, Pa ... LO3-0850
Pa	George Goodman Co	P.O. Box 201, Wayne, Pa ... MU8-5490
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex ... WA6-4444
Vt	Bordeweick Engineering Sales Co	221 Grove St, Braintree (Boston 85), Mass ... VI3-0845
Va	George Goodman Co	103 E. 25th St, Baltimore 18, Md ... BE5-5570
W. Va	Ralph Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio ... CH1-4581
Wisc	K W Hawkins Engineering Corp	6517 N. Central Ave, Chicago 30, Ill ... SP4-2244
Canada	Aeromotive Engrg Prods Ltd	147 Hymus Blvd, Point Claire, Quebec, Can ... OX7-0810

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Canada	Aeromotive Engrg Prods Ltd	1912A Avenue Rd, Toronto 12, Ont, Canada	RU3-4288
	COMAR ELECTRIC CO	**3349 W. Addison, Chicago 18, Ill**	**JU8-2410**
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham 13, Ala
Ariz	M A Stolaroff Co	4622 W. Slauson Ave, L A 43, Cal	AX3-6226
Ark	Joseph M Henry	1948 S. Florence Pl, Tulsa, Okla
Cal	M A Stolaroff Co	4622 W. Slauson Ave, L A 43, Cal	AX3-6226
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Del	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
DC	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Fla	Maitland K Smith Co	117 N. Keystone, Clearwater, Fla
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga
Idaho	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Ill	George E Harris & Co., Inc	7811 Carondelet Ave, St. Louis, Mo	VO3-6550
Ind	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne 8, Ind	TR7381
Iowa	George E Harris & Co., Inc	526 Merchants Nat'l Bldg, Cedar Rapids	EM2-6302
Kan	George E Harris & Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
Ky	Eugene Phillips	9071 Old Orchard Dr, Cincinnati 30, Ohio
La	Joseph M Henry	1948 S. Florence Pl, Tulsa, Okla
Md	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Mich	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne 8, Ind	TR7381
Minn	Dale Merrick	2160 E. Geranium Ave, St. Paul, Minn
Mo	George E Harris & Co., Inc	7811 Carondelet Ave, St. Louis, Mo	VO3-6550
Mont	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Neb	George E Harris & Co	Merchants Nat'l Bldg, Cedar Rapids, Iowa	EM2-6302
Nev	M A Stolaroff Co	4622 W. Slauson Ave, L A 43, Cal	AX3-6226
NJ	Willpold Electronic Sales Corp	100 N. Village Ave, Rockville Centre, NY	RO4-4022
NJ	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
NM	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
NY	Willpold Electronic Sales Corp	100 N. Village Ave, Rockville Centre, NY	RO4-4022
NY	R W Mitscher Co., Inc	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NC	W E Henry Jr	2722 Normandy Rd, Charlotte 7, NC	FR5-8958
ND	Dale Merrick	2160 E. Geranium Ave, St. Paul, Minn
Ohio	W J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleveland 7	LA1-7268
Ohio	Eugene Phillips	9071 Old Orchard Dr, Cincinnati 30, Ohio
Okla	Joseph M Henry	1948 S. Florence Pl, Tulsa, Okla
Ore	George E Harris & Co., Inc	444 Dexter Horton Bldg, Seattle 4, Wash	MA4-1673
Pa	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Pa	W J Brauer & Associates	15631 Lakewood Hgts Blvd, Clev 7, Ohio	LA1-7268
SC	W E Henry Jr	2722 Normandy Rd, Charlotte 7, NC	FR5-8958
SD	Dale Merrick	2160 E. Geranium Ave, St. Paul, Minn
Tenn	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne 8, Ind	TR7381
Tex	Joseph M Henry	1948 S. Florence Pl, Tulsa, Okla
Utah	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Va	L A Roach	5010 New Kent Rd, Richmond 25, Va	EL8-0023
Wash	George E Harris & Co., Inc	444 Dexter Horton Bldg, Seattle 4, Wash	MA4-1673
W. Va	L A Roach	5010 New Kent Rd, Richmond 25, Va	EL8-0023
Wisc	Dale Merrick	2160 E. Geranium Ave, St. Paul, Minn
Wyo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Canada	George E Harris & Co., Inc	444 Dexter Horton Bldg, Seattle 4, Wash	MA4-1673
Canada	Musimart of Canada Ltd	901 Bleury St, Montreal, Quebec, Canada	UN1-2856
	COMBINED ELECTRONICS INC	**6045 W. Ogden Ave, Chicago, Ill**	**OL6-3450**
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Cal	Eddie Colman & Associates	1503 Maple Ave, S., Los Angeles, Cal	RI9-6591
Fla	Cartwright & Bean	4525 S. Louis Ave, Tampa, Fla
Ga	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga
Ill	Wm J Doyle Co	7002 N. Western Ave, Chicago, Ill	RO1-3130
Ind	James R Neff	3502 N. Riley Ave, Indianapolis, Ind	LI6-5824
La	Cartwright & Bean	821 Pontalba St, New Orleans, La
Mich	Robert G Dailey Co	201 Catherine St, Ann Arbor, Mich	NO6-6908
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn	JU6-4663
Mo	F C Somers & Co	17th & Main Sts, Kansas City, Mo	GR3-355
NY	R E Breuer Co., Inc	10 Columbus Circle, New York, NY	CO5-2440
NC	Cartwright & Bean	625 Herwig Dr, Charlotte, NC
Pa	Roboco Sales & Engineering Service	1st National Bank Bldg, Pittsburgh 22	GR1-7272
Pa	Technical Representation	25 S. Easton Rd, Glenside, Pa	TU7-1325
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Wash	Paramount Agencies	S. 121 Monroe St, Spokane, Wash	TE6-2287
Canada	Desser E-E Ltd	441 St. Francois Xavier, Montreal, Can	VI5-6570
	COMCO PLASTICS INC	**98-34 Jamaica Ave, Richmond Hill, NY**	**VI9-9000**
NY	J B Martin	Rochester, NY	HO7-1214
Pa	Dan Everett	53 Indigo Rd, Levittown, Pa	WI9-2762
Vt	R A Knowlton	Stoneledge Farm, N. Ferrisburg	VA5-2651
	COMET CO	**72, Waldegstr, Liebefeld, Berne, Switz**	**63-05-83**
	COMMERCIAL FILTERS CORP	**2 Main St, Melrose 76, Mass**	**DA4-7000**
Cal	Montgomery Brothers	1122 Howard St, San Francisco 3, Cal	UN1-3527
Cal	Montgomery Brothers	1053 S. Olive St, Los Angeles 15, Cal	RI7-5191
Colo	J M Wallace & Co	324 Denham Bldg, Denver 2, Colo	AM6-0386
Conn	Faxon Engineering Co., Inc	467 New Park Ave, W. Hartford, Conn
Conn	Faxon Engineering Co., Inc	P.O. Box 276, Sta A, Hartford 6, Conn	AD6-4266
Fla	H C Warner	1715 Larimier Rd, Jacksonville 7, Fla	VA9-9972
Ill	Commercial Filters Corp	5816 W. North Ave, Chicago 39, Ill	NA2-9060
Ind	H E Danby Co., Inc	5165 N. Keystone Ave, Indianapolis 5	CL1-4250
Iowa	H L McNally & Son	3009 Lawnview Dr, Des Moines 10, Iowa	BL5-5309
La	C R Clingman	306 Pere Marquette Bldg, New Orleans 12	MA6316
Md	Tate Engineering Inc	516 S. Eutaw St, Baltimore 1, Md	LE9-0797
Mich	Jesse W Eakins Co	15875 James Couzens Hwy, Detroit 38	DI1-0660
Minn	Metal-Tools & Equipment Co	1600 Washington Ave, N., Minneapolis 11	JA2-3339
Mo	Van Devanter Engineering Co	2207 Pine St, St. Louis 3, Mo	GE6-1800
NY	Commercial Filters Corp	663 Grand Ave, Ridgefield, NJ	WH5-8490
Ohio	The R P Findlow Co	7919 Blue Ash Ave, Cincinnati 36, Ohio	SY1-2121
Ohio	Telco Inc	4030 Superior Ave, Cleveland 3, Ohio	EN1-8200
Okla	Power Machinery Co	3900 S. Memorial, Tulsa 5, Okla	RI3-2535
Ore	Montgomery Brothers	1632 N.W. Johnson St, Portland 9, Ore	CA3-4197
Pa	J V Calhoun Co	349 Montgomery Ave, Bala-Cynwyd, Pa	GR3-4477
Pa	Oil Products Co	28th & Smallman Sts, Pittsburgh 22, Pa	AT1-4341
Tex	Shaw Engineering Inc	P.O. Box 20073, Houston 25, Tex	JA9-4598
Wisc	Learned & Furey	2315 W. Vliet, Milwaukee 5, Wisc	DI2-2909
	COMMERCIAL PLASTICS CO	**945 George St, Chicago 14, Ill**	**GR7-8220**
Ala	The Hilker Co	P.O. Box 5211, Winston Salem, NC
Alaska	Wayne C Wells Co	6055 N. E. Glisan, Portland 13, Ore
Ariz	C B Rush & Associates	3757 Wilshire Blvd, L A, Cal
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles 5, Cal
Conn	Saul Cohen	30 Huntington Ave, Boston 16, Mass
Del	Fay Garrettson Inc	P.O. Box 128, Williston Park, NY
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla
Ga	The Hilker Co	P.O. Box 5211, Winston Salem, NC
Ind	Bob Matthews	1127 Wells St, Fort Wayne, Ind
Iowa	T H Ellis & Co	2201 Grand Ave, Kansas City 8, Mo
Kan	T H Ellis & Co	2201 Grand Ave, Kansas City 8, Mo
Me	Saul Cohen	30 Huntington Ave, Boston 16, Mass
Md	Fay Garrettson Inc	P.O. Box 128, Williston Park, NY
Mass	Saul Cohen	30 Huntington Ave, Boston 16, Mass
Mich	Bob Matthews	1127 Wells St, Ft. Wayne, Ind
Minn	Lester L Elstad Sales	5912 Wayzata Blvd, Minnpls 16, Minn
Mo	T H Ellis & Co	2201 Grand Ave, Kansas City 8, Mo
Neb	T H Ellis & Co	2201 Grand Ave, Kansas City 8, Mo
NH	Saul Cohen	30 Huntington Ave, Boston, Mass
NJ	Fay Garrettson Inc	P.O. Box 128, Williston Park, NY
NM	C B Rush & Associates	3757 Wilshire Blvd, L A 5, Cal
NY	Fay Garrettson Inc	P.O. Box 128, Williston Park, NY
NC	The Hilker Co	P.O. Box 5211, Winston Salem, NC
ND	Lester L Elstad Sales	5912 Wayzata Blvd, Minnpls 16, Minn
Ohio	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa
Ore	Wayne C Wells Co	6055 N. E. Glisan, Portland 13, Ore
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa
Pa	Fay Garrettson Inc	P.O. Box 128, Williston Park, NY
RI	Saul Cohen	30 Huntington Ave, Boston 16, Mass
SC	The Hilker Co	P.O. Box 5211, Winston Salem, NC
SD	Lester L Elstad Sales	5912 Wayzata Blvd, Minnpls 16, Minn
Tenn	The Hilker Co	P.O. Box 5211, Winston Salem, NC
Vt	Saul Cohen	30 Huntington Ave, Boston 16, Mass
Va	The Hilker Co	P.O. Box 5211, Winston Salem, NC
Wash	Wayne C Wells Co	6055 N. E. Glisan, Portland 13, Ore
W.Va	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa
Wisc	Lester L Elstad Sales	5912 Wayzata Blvd, Minnpls 16, Minn
	COMMUNICATION ACCESSORIES CO	**Hwy 50 & 71 By Pass, Lee's Summit, Mo**	**BR1-1700**
Ala	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Ariz	Samuel O Jewett Co	45 W. 1st Ave, Scottsdale, Ariz	WH5-9711
Cal	Samuel O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4843
Conn	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Del	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
DC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Fla	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Ga	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Idaho	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Ill	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Ill	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Ind	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Iowa	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Kan	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
La	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Me	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Md	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Mich	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Miss	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Mo	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Mont	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Neb	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
NJ	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
NJ	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	Leonard C Allen Inc	P.O. Box 32, Salina Sta, Syracuse 8, NY	GR1-3108
NY	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Ohio	Electro Co	1231 Main Ave, Cleveland, Ohio	TO1-4757
Ore	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Pa	Electro Co	1231 Main Ave, Cleveland, Ohio	TO1-4757
Pa	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
RI	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
SC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Tenn	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Va	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Wash	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
W. Va	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Wisc	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
	COMMUNICATION EQUIPMENT ENGINEERING CO	**5646 W. Roce Ave, Chicago, Ill**	**ES8-3109**
	COMMUNICATION MEASUREMENTS LAB	**350 Leland Ave, Plainfield, NJ**	**PL4-5502**
Ala	Murphy & Cota	250 Governors Dr, S. E., Huntsville, Ala	JE6-9121
Ariz	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal
Cal	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal
Cal	Joe Davidson & Associates	P.O. Box 587, Burlingame, Cal	DI2-7455
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn	AT8-2900
Del	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Del	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Fla	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Idaho	AHMCO	Boeing Field, King City Arpt, Seattle, Wash	PA5-9810
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ky	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Me	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Md	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Mich	Electro-Mation Associates	4012 E. Nine Mile Rd, Warren, Mich	JE9-1420
Minn	R Edward Stemm Inc	123 S. 3rd St, Minnpls 1, Minn	FE5-7172
Miss	Murphy & Cota	250 Governors Dr, S. E., Huntsville, Ala	JE6-9121
Mo	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
NH	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
NJ	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NY	NACO Electronics Corp	704 Allen Rd, North Syracuse, NY	GL8-2358
NY	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Ohio	The Fred R Sharp Co	2138 Lee Rd, Cleveland, Ohio	FA1-4200
Ore	AHMCO	Boeing Field, King City Arpt, Seattle, Wash	PA5-9810
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Pa	The Fred R Sharp Co	2138 Lee Rd, Cleveland, Ohio	FA1-4200
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Tenn	Murphy & Cota	250 Governors Dr, S. E., Huntsville, Ala	JE6-9121
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Tex	Koch Engineering & Sales Co	1607 Jefferson Ave, Houston 2, Tex	FA3-7051
Vt	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Va	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Wash	AHMCO	Boeing Field, King City Arpt, Seattle, Wash	PA5-9810
Wisc	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Foreign	Rocke Int'l Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Mel Sales Ltd	1969 Ave Rd, Toronto 12, Ontario, Can	HU1-0231
	COMMUNICATIONS CO	**300 Greco Ave, Coral Gables 34, Fla**	**HI6-0846**
Ala	Radio Communication Service	100 Houston St, Dothan, Ala
Alaska	Communications Co	139 E. Third Ave, Anchorage, Alaska
Cal	Marine Radio Service	Berth 73, San Pedro, Cal
DC	Geo C Norwood	3601 Connecticut Ave, Wash, DC
Ill	Carl Hook	Box 105, Carlinville, Ill
Minn	Electronics Communications	6006 Halifax Pl, Minnpls, Minn
NC	Dial Flite Electronics	325 Mitchell Ave, Salisbury, NC
Okla	Cushing Electronics	322 S. High St, Cushing, Okla
Foreign	Eckotel	C A Apt 4649 Este, Caracas, Venezuela
Canada	Sandt Sales	120 E. Cordova St, Vancouver, BC, Canada
	COMMUNITY ENGINEERING CORP	**P.O. Box 824, State College, Pa**	**AD8-2461**
Ala	W R Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Conn	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
DC	H P Nesbitt Co	7016 River Rd, Bethesda, Md	OL2-1450
Fla	W R Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Ga	W R Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Me	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
Mass	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
NH	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
NJ	L C Freeman & Assoc	24 Stephen St, Montclair, NJ	PI4-4775
NY	L C Freeman & Assoc	24 Stephen St, Montclair, NJ	PI4-4775
RI	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
Vt	W M Hague Co	Box 89, Carlisle, Mass	VO2-8717
	COMPONENT MFG SERVICE INC	**West Bridgewater, Mass**	**JU8-0163**
	COMPONENT RESEARCH CO., INC	**3019 S. Orange Dr, Los Angeles 16, Cal**	**WE3-1105**
	COMPONENTS CORP	**Danville, NJ**	**OA7-0290**
	COMPONENTS FOR RESEARCH INC	**979 Commercial St, Palo Alto, Cal**	**DA1-5252**
	COMPOSITE INDUSTRIAL METALS INC	**235 Georgia Ave, Providence, RI**	**HO7-8767**
Cal	Robert W Taylor	417 S. Mariposa, Los Angeles, Cal	DU8-5083
Ind	Robert Schleicher & Associates	1730 Fox Hill Rd, Indianapolis 8, Ind	CL3-0944
NY	John Lazor	P. O. Box 307, Rochester 1, NY	LU6-6619
Pa	George P Bray	11750 Shaker Blvd, Cleveland 20, Ohio	LO1-6510
Foreign	Rainer Kollmar	Friedenstr 143, Pforzheim, Germany
	COMPTRON CORP	**778 Pleasant St, Belmont 79, Mass**	**IV4-8954**
Conn	Callin-Harvi Associates	P. O. Box 171, Needham, Mass	ST5-0294
Me	Callin-Harvi Associates	P. O. Box 171, Needham, Mass	ST5-0294
Mass	Callin-Harvi Associates	P. O. Box 171, Needham, Mass	ST5-0294
NH	Callin-Harvi Associates	P. O. Box 171, Needham, Mass	ST5-0294
Vt	Callin-Harvi Associates	P. O. Box 171, Needham, Mass	ST5-0294
	COMPUDYNE CORP	**400 S. Warminster Rd, Hatboro, Pa**	**OS5-4100**
Ala	Ward K Stallings Co	3120 Maple Dr, N.W., Atlanta 5, Ga	CE7-8600
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	RY1-3386
Conn	Engrg Sales & Service Co	16-28 166th St, Whitestone 57, NY	BA5-6691
DC	Kinder Associates	1008 20th St, N.W., Washington 6, DC	FE7-5882
Fla	Kenneth L Diller & Assoc	2707A E. Atlantic, Pompano Beach, Fla	WH1-2706
Ga	Ward K Stallings Co	3120 Maple Dr, N.W., Atlanta 5, Ga	CE7-8600
Ill	Instrument Associates Inc	7943 S. Exchange Ave, Chicago 17, Ill	ES5-2702
Ind	Instrument Associates Inc	7943 S. Exchange Ave, Chicago 17, Ill	ES5-2702
Ky	Henry P Thompson Co	4866 Cooper Rd, Cincinnati 42, Ohio	TW1-4414
Md	Kinder Associates Inc	1008 20th St, N.W., Washington 6, DC	FE7-5882
Mo	Ulmer Equipment Co	219 Orrick Ln, St. Louis 22, Mo	YO5-4653
NJ	Engrg Sales & Service Co	16-28 166th St, Whitestone 57, NY	BA5-6691
NY	J L Moore Co	325 Mill St, Buffalo 21, NY	SP8480
NY	Engrg Sales & Service Co	16-28 166th St, Whitestone 57, NY	BA5-6691
Ohio	J L Moore Co	325 Mill St, Buffalo 21, NY	SP8480
Ohio	Henry P Thompson Co	4866 Cooper Rd, Cincinnati 42, Ohio	TW1-4414
Pa	M S Jacobs & Associates Inc	810 Noblestown Rd, Pittsburgh 6, Pa	WA1-6140
Tenn	Ward K Stallings Co	3120 Maple Dr, N.W., Atlanta 5, Ga	CE7-8600
Tex	Don Champion Co	3400 Panola, Ft. Worth 5, Tex	JE6-8888
Tex	Whelan-May Co	P. O. Box 12391, Houston 19, Tex	JA6-3697
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8585
	COMPUTER COMPONENTS INC	**88-06 Van Wyck Expwy, Jamaica 18, NY**	**JA6-2600**
	COMPUTER CONTROL CO., INC	**983 Concord St, Framingham, Mass**	**TR5-6185**
Cal	Computer Control Co., Inc	2251 Barry Ave, Los Angeles 64, Cal	GR8-0481
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Del	L G White & Co., Inc	108 Forrest Ave, Narberth, Pa	MO4-6505
DC	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3111
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Md	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3111
Mich	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
NJ	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ	GI5-5210
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ	GI5-5210

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NC	L G White & Co., Inc	Box 2356, Winston-Salem, NC	PA5-3612
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Okla	Don Champion Co	Box 456, Hurst, Tex	AT4-1414
Pa	L G White & Co., Inc	108 Forrest Ave, Narberth, Pa	MO4-6505
Tenn	L G White & Co., Inc	Box 2356, Winston-Salem, NC	PA5-3612
Tex	Don Champion Co	Box 456, Hurst, Tex	AT4-1414
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Va	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3111
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
	COMPUTER ENGINEERING ASSOC INC	**350 N. Halstead St, Pasadena, Cal**	**ELS-7121**
Ala	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ariz	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Ark	Engineering Associates Inc	P.O. Box 886, Ft. Worth, Tex	WA3-7386
Cal	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Colo	Hytronics Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
Conn	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	IN1086
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	IN1086
Idaho	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Idaho	Hytronic Measurements Inc	2022 Main St, Salt Lake City, Utah	IN6-4924
Ill	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Ind	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Iowa	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Ky	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala	JE6-8393
La	Engineering Associates Inc	P.O. Box 886, Ft. Worth, Tex	WA3-7386
Me	Michael S Coldwell Inc	41 Lancaster Rd, Needham, Mass	HI4-1142
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Michael S Coldwell Inc	41 Lancaster Rd, Needham, Mass	HI4-1142
Mich	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Minn	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Miss	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Mo	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Nev	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
NH	Michael S Coldwell Inc	41 Lancaster Rd, Needham, Mass	HI4-1142
NJ	Landfear Enterprises Inc	P.O. Box 68, Nutley 10, NJ	NO7-2900
NM	Hytronics Measurements Inc	211 Sierra S.E. Albuquerque, NM	AL5-0669
NY	Landfear Enterprises Inc	P.O. Box 68, Nutley, NJ	NO7-2900
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	IN1086
Ohio	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Okla	Engineering Associates Inc	P.O. Box 886, Ft. Worth, Tex	WA3-7386
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Pa	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Pa	Landfear Enterprises	P.O. Box 68, Nutley, NJ	NO7-2900
RI	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
SC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Tenn	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Tex	Engineering Associates Inc	P.O. Box 886, Ft. Worth, Tex	WA3-7386
Utah	Hytronic Measurments Inc	2022 Main St, Salt Lake City, Utah	IN6-4924
Vt	Michael S Coldwell Inc	41 Lancaster Rd, Needham, Mass	
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
W. Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Wyo	Hytronics Measurements Inc	2022 Main St, Salt Lake City, Utah	
	COMPUTER INSTRUMENTS CORP	**92 Madison Ave, Hempstead, NY**	**IV3-8200**
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Ariz	Components Sales California Inc	4626 3/4 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Ark	Harry Admiston	P.O. Box 5832, Dallas, Tex	RI1-5443
Cal	Components Sales California Inc	4626 3/4 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Del	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
DC	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Ill	R T Mathews & Co	2113 S. Western Ave, Chicago 8, Ill	VI7-7220
Ind	R T Mathews & Co	5860 Norwalds Ave, Indianapolis 20, Ind	GL1-3803
Ky	James W Murray	3985 Race Rd, Cincinnati 11, Ohio	HU1-9726
La	Harry Edmiston	P.O. Box 5832, Dallas, Tex	RI1-5443
Me	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Md	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Mass	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Mich	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Mont	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NH	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NJ	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NC	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Ohio	James W Murray	3985 Race Rd, Cincinnati 11, Ohio	HU1-9726
Okla	Harry Edmiston	P.O. Box 5832, Dallas, Tex	RI1-5443
Ore	G M Gillett	19690 19th N.E., Seattle, Wash	PA5-3060
Pa	R L Wilkinson Co	P.O. Box 215, Glenside, Pa	HA4-8400
RI	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
SC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Tex	Harry Edmiston	P.O. Box 5832, Dallas, Tex	RI1-5443
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Va	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Wash	G M Gillett	19690 19th N.E., Seattle, Wash	PA5-3060
Wisc	R T Mathews Co	2113 S. Western Ave, Chicago 8, Ill	VI7-7220
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
	COMPUTER MEASUREMENTS CORP	**5528 Vineland Ave, N. Hollywood, Cal**	
	COMPUTER SYSTEMS INC	**611 Broadway, New York 12, NY**	**SP7-4016**
Ariz	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Cal	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Colo	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Idaho	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Ill	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ind	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Kan	Paul King Co	826 N. Fulton, Tulsa 15, Okla	RI7-1570
Ky	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
La	Gay Sales Co Assoc	Box 2905, Istrouma Sta, Baton Rouge	EL7-2423
Mich	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35,	UN4-4958
Mont	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Nev	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
NJ	Computer Systems Inc	Culver Rd, Monmouth Junction,	
NM	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Ohio	Ben Z Rubin Co	515 E. Grand Ave, Springfield,	FA2-5893
Okla	Paul King Co	826 N. Fulton, Tulsa 15,	RI7-1570
Ore	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Tex	Gay Sales Co Assoc	420 Sul Ross, Houston,	JA9-3379
Utah	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Wash	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Wisc	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Wyo	Computer Systems Inc	6654 Sepulveda Blvd, Van Nuys, Cal	ST5-9973
Foreign	Nichimen Co Ltd	Central P.O. Box 1136, Tokyo, Japan	
Foreign	I R C A	Paradysstraat 92, Voorburg, Holland	
	COMPUTING DEVICES OF CANADA LIMITED	**Box 508, Ottawa 4, Ontario, Canada**	**TA8-2711**
	CONANT LABS	**Box 3997, Bethany Sta, Lincoln 5, Neb**	**IV8-0432**
Ala	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Alaska	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Ariz	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Ark	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Conn	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Fla	Cartwright & Bean	20100 N.E. 25 Ct, Miami Beach, Fla	WI5-2962
Ga	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Hawaii	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Idaho	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ind	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Iowa	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Kan	H A Roes & Co	2444 Glen Oaks Dr, Wichita, Kan	MU4-3993
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	MA1565
La	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Me	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Miss	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mont	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Neb	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Nev	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
NH	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NY	Leroy & McGuire	R D 1, Phelps, NY	KI8-4891
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	MA1565
Okla	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Ore	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Pa	Scott & Steffen	1836 Euclid Ave, Cleveland 15, Ohio	MA1565
RI	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
SC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Utah	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Vt	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Va	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Wash	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
W. Va	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	MA1565
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Wyo	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Canada	James Grogan	50 Yarmouth Rd, Toronto, Ontario, Canada	
	CONCERTAPES INC	**P. O. Box 88, Wilmette, Ill**	**AL6-0680**
Ala	Bel-Aire Distributing Co	P.O. Box 372, Birmingham 1, Ala	
Ariz	Ramco Distributing Co	3703 N. 7th St, Phoenix, Ariz	
Cal	Allied Music Sales	2452 W. Pico Blvd, Los Angeles, Cal	
Cal	New Sound Recordings	50 Julian Ave, San Francisco, Cal	
Cal	United Stereo Tapes	1024 Kifer Rd, Sunnyvale, Cal	
Colo	Crown Drug Co	600 15th St, Denver 4, Colo	
Fla	Brooke Distributors	380 N.E. 67th St, Miami, Fla	
Ga	Carrollton Record Distributing Co	999 Peachtree St, N.E., Atlanta 9, Ga	
Ill	Advance Distributors	2335 S. Michigan Ave, Chicago 3, Ill	
Ill	Record Distributors Inc	4135 W. Armitage Ave, Chicago, Ill	
Ill	Lofgren Dist Co	1202 Fourth Ave, Moline, Ill	
Md	Marnel of Maryland	6 E. Mt. Royal Ave, Baltimore, Md	
Mich	Cosnat Dist Corp	3727 Woodward Ave, Detroit, Mich	
Minn	Herlicher Bros	119 N. 9th St, Minneapolis 3, Minn	
Mo	Roberts Records	1722 Washington Ave, St. Louis 3, Mo	
Neb	Herlicher Bros	1610 Davenport, Omaha, Neb	
NJ	Cosnat Dist Corp	415 Halsey St, Newark, NJ	
NY	Niagara Falls Radio Equipment Co	1720 Pierce Ave, Niagara Falls, NY	
NY	Cosnat Dist Corp	315 W. 47th St, New York, NY	
NC	Walker Martin Inc	840 Poole Ave, Raleigh, NC	
Ohio	Cosnat Dist Corp	1233 W. 9th St, Cleveland, Ohio	
Ohio	Cosnat Dist Corp	27 W. Court St, Cincinnati, Ohio	
Ore	Appliance Wholesalers	600 N.W. 14th Ave, Portland 9, Ore	
Ore	Lou Johnson Co	1506 N.W. Irving, Portland 9, Ore	
Pa	East Coast Distributors	633 Liberty Ave, Pittsburgh 22, Pa	
Pa	Cosnat Dist Corp	1343 N. Cumberland, Philadelphia, Pa	
Tex	Baker Dist Co	1706 Rusk St, Houston 3, Tex	
Tex	Baker Dist Co	2107 Farrington Blvd, Dallas 7, Tex	
Wash	C & C Dist Co	708 6th Ave, N., Seattle 9, Wash	
Wisc	John O'Brien Dist Co	2830 W. Vliet St, Milwaukee 8, Wisc	
	CONCORD CONTROL INC	**1282 Soldiers Field Rd, Boston 35, Mass**	**AL4-5106**
Ariz	Charles R Alford Co	475 Huntington Dr, San Marino, Cal	MU2-1139
Cal	Charles R Alford Co	475 Huntington Dr, San Marino, Cal	MU2-1139
Idaho	Charles R Alford Co	475 Huntington Dr, San Marino, Cal	MU2-1139
Nev	Charles R Alford Co	475 Huntington Dr, San Marino, Cal	MU2-1139
Ore	Charles R Alford	475 Huntington Dr, San Marino, Cal	MU2-1139
Utah	Charles R Alford	475 Huntington Dr, San Marino, Cal	MU2-1139
Wash	Charles R Alford	475 Huntington Dr, San Marino, Cal	MU2-1139
	CONDENSER PRODUCTS DIV NEW HAVEN CLOCK & WATCH CO	**148 Hamilton St, New Haven, Conn**	**SP7-5411**
	CONDUCTORLAB INC	**Groton, Mass**	**GI8-5140**
Mass	R P Mahan Co	Sandy Pond Rd, S. Lincoln,	CL9-9300
NY	C R Mayer Co	P.O. Box 152, Huntington,	WE6-2405
	CON-ELCO	**1711 S. Mountain Ave, Monrovia, Cal**	**EL8-4571**
Ala	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ariz	Pacific Electro-Sales Inc	6053 1/2 Whittier, Los Angeles 22, Cal	RA3-3396
Ark	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Cal	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Cal	Pacific Electro-Sales Inc	6053 1/2 Whittier, Los Angeles 22, Cal	RA3-3396
Colo	Longstreet-Smith Associates Inc	1013 15th St, Denver 2, Colo	KE4-5091
Conn	Michael Scott Co., Inc	336 Wash St, Wellesley Hills, Mass	CE5-0102
Del	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
DC	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Idaho	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago, Ill	NE1-8646
Ill	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Ind	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago, Ill	NE1-8646
Iowa	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Kan	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Ky	Dayton Associates	Talbott Tower, Dayton, Ohio	BA3-9621
La	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Me	Michael Scott Co., Inc	336 Wash St, Wellesley Hills, Mass	CE5-0102
Md	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Mass	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Mich	Robert H Jackson Co	10534 Ludlow Ave, Huntington Woods	LI2-5059
Minn	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Miss	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Mo	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis 20	EV2-3500
Mont	Longstreet-Smith Associates Inc	1013 15th St, Denver 2, Colo	KE4-5091
Neb	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Nev	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
NH	Michael Scott Co	336 Wash St, Wellesley Hills, Mass	CE5-0102
NJ	Be-Esco Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
NM	Longstreet-Smith Associates	1013 15th St, Denver, Colo	KE4-5091
NY	Be-Esco Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
NY	S F Foster Co	204 Southfield Dr, Fayetteville, NY	NE7-6137
NC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ohio	Dayton Associates	Talbott Tower, Dayton, Ohio	BA3-9621
Okla	T J Ray Co	P O. Box 5417, Tulsa 4, Okla	WE6-7707
Ore	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Pa	Dayton Associates	Talbott Tower, Dayton, Ohio	BA3-9621
Pa	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
RI	Michael Scott Co	336 Wash St, Wellesley Hills, Mass	CE5-0102
SC	Roy Attaway Co	528 N. McDonough, Decatur, Ga	DR7-8943
Tenn	Roy Attaway Co	528 N. McDonough, Decatur, Ga	DR7-8943
Tex	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Utah	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
Vt	Michael Scott Co	336 Wash St, Wellesley Hills, Mass	CE5-0102
Va	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Wash	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
W. Va	Dayton Associates	Talbott Tower, Dayton, Ohio	BA3-9621
Wisc	Lloyd F Murphy & Associates	1700 Hennepin, Minneapolis, Minn	FE9-4851
Wisc	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago, Ill	NE1-8646
Wyo	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
	CONN-CRAFT CO	**303 Fairview Ave, Waterbury, Conn**	**PL4-1811**
	CONN LTD., C G	**1101 E. Boonsley Ave, Elkhart, Ind**	**JA3-3350**
	CONNECTICUT HARD RUBBER CO	**487 East St, New Haven, Conn**	**SP7-3631**
Cal	A B Boyd Co	763 E. 14th St, Los Angeles 21, Cal	RI9-8361
Cal	A B Boyd Co	1235 Howard St, San Francisco 3, Cal	UN1-2850
Cal	R Hurwich Co	2546 10th St, Berkeley 2, Cal	TH5-7972
Cal	Western Fibrous Glass Products Co	4423 Fruitland Ave, Los Angeles 36, Cal	LU8-3211
Cal	Western Fibrous Glass Products Co	739 Bryant St, San Francisco 7, Cal	SU1-5967
Conn	John G Shelley Co of Conn Inc., The	20 Main St, Essex, Conn	SO7-1856
Fla	East Coast Rubber & Plastic Co	4363 E. 10th Ln, Hialeah, Fla	WU1-4242
Ga	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta 18, Ga	JA5-2707
Ill	F D Farman Co	4940 W. Flournoy St, Chicago 44, Ill	CO1-1320
Ill	J J Glenn & Co	605 Washington Blvd, Chicago 6, Ill	ST2-9666
Ind	Frank W Winne & Son Inc	2163 N. Meridian St, Indianapolis 2, Ind	WA5-3546
Ky	General Rubber & Supply Co., Inc	3118 S. Preston St, Louisville 13, Ky	ME5-2606
Md	Robins Rubber Div	234 Key Hwy, Baltimore 30, Md	SA7-6275
Mass	Black & Webster Sales Inc	570 Pleasant St, Watertown 72, Mass	BI4-6370
Mass	Greene Rubber Co., Inc	Broadway at Sixth St, Cambridge 42, Mass	KI7-7655
Mich	Frank W Winne & Son Inc	1401-14th St, Detroit 16, Mich	TA5-6810
Minn	Precision Gasket	701 E. Excelsior Blvd, Hopkins, Minn	WE8-6307
Minn	D A Schultz Co	801 S.E. Eighth St, Minneapolis 14, Minn	FE9-7701
Miss	Hanna Rubber Co	1512 Main St, Kansas City 8, Mo	BA1-9600
Miss	Frank W Winne & Son Inc	20 W. Ninth St Bldg, Kansas City, Mo	BA1-6880
NY	Chamberlin Rubber Co	455 Main St, E., Rochester 4, NY	BA5-9510
NY	Mercer Rubber Corp	66 Reade St, New York 7, NY	BA7-4349
NY	Mitchell-Rand Mfg. Corp	51 Murray St, New York, NY	CO7-9264
NC	Southern Rubber Co	360 Ashe St, Greensboro, NC	BR2-4567
Ohio	Cincinnati Gasket, Packing & Mfg Inc	1507 Elm St, Cincinnati, Ohio	PA1-5420
Ohio	Electrolock Co., Inc	20475 Farmsleigh Rd, Cleveland 22, Ohio	WY1-4353
Pa	Shields Rubber Corp	137 Fort Pitt Blvd, Pittsburgh 22, Pa	AT1-8200
Pa	Frank W Winne & Son Inc	44 N. Front St, Philadelphia 6, Pa	MA7-8080
Pa	Stockwell Rubber Co., Inc	1117 Shackamaxon St, Philadelphia 25, Pa	GA6-3200
Tex	Busacker Electronic Equipment Co	1216 W. Clay, Houston, Tex	JA9-4626
Va	Richmond Rubber Co	618 E. Leigh St, Richmond, Va	MI8-8326
Wash	A B Boyd Co	418 Boren, N., Seattle 9, Wash	MA2-6545
Wash	Western Fibrous Glass Products Co	2915 First Ave, S., Seattle 4, Wash	MA4-7250
Wisc	N L Kuehn Co	3747 N. Booth St, Milwaukee 12, Wisc	WO4-3300
Foreign	Pulypenco Inc	2150 Fairmont Ave, Reading, Pa	FR6-5791
Foreign	Rubbertex Pty Ltd	547-549 Ballarat Rd, Melbourne	MM1271

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Canada	Griswold Engineering Ltd	146 Bates Rd, Montreal P.Q.	RE1-2749
England	Precision Rubbers Ltd	Bagworth, Leicester	BA241
New Zealand	Neill Copper & Co Ltd	Pukemiro Chambers, Anzac Ave, Auckland	34-550
	CONNECTICUT INSTRUMENT CORP	**Route 7, Wilton, Conn.**	**PO3-5545**
	CONNECTOR CORP	**6025 N. Keystone, Chicago, Ill**	**KE9-3108**
	CONNECTOR CORP OF AMERICA	**12959 Sherman Way, N. Hollywood, Cal**	**TR7-9453**
	CONNECTOR SEALS CORP	**P. O. 4116, Pasadena, Cal**	**MU1-3421**
Cal	Eichorn & Melchior	749 Bryant, San Francisco,	
Ind	Scott & Steffen	915 Pennsylvania Ave, Indianapolis,	WE5-8951
Kan	Norman W Kathrinus	4356 Duncan, St. Louis, Mo	OL2-7005
Mo	Norman W Kathrinus	4356 Duncan, St. Louis, Mo	OL2-7005
NJ	Harold Martin Inc	165 Palisades, Cresskill, NJ	LO7-4836
NY	Harold Martin Inc	165 Palisades, Cresskill, NJ	LO7-4836
Ohio	Scott & Steffen	1836 Euclid Ave, Cleveland,	TO1-2626
Okla	Cotton Daniels Co	P.O. Box 8511, Tulsa, Okla	WE6-7447
Ore	Ray Johnson Co	1011 E. 69th St, Seattle, Wash	LA4-5170
Pa	Scott & Steffen	507 Liberty St, Pittsburgh,	
Wash	Ray Johnson Co	1011 E. 69th St, Seattle,	LA4-5170
	CONNOLLY & CO., WALLACE E	**P.O. Box 295, Menlo Park, Cal**	**DA3-1930**
Ariz	J S Trier & Associates	208 Standard St, El Segundo, Cal	EA2-5547
Cal	J S Trier & Associates	208 Standard St, El Segundo, Cal	EA2-5547
Conn	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Del	Robert L Clark	P.O. Box 195, Upper Darby, Pa	KI3-0902
Fla	Mark Electronic Sales Co	P.O. Box 291, N. Miami 61, Fla	WI7-5088
Me	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Md	Robert L Clark	P.O. Box 195, Upper Darby, Pa	KI3-0902
Mass	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Nev	J S Trier & Associates	208 Standard St, El Segundo, Cal	EA2-5547
NH	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
NJ	Andrews & Andrews	43 Kent Rd, Tenafly 1, NJ	LO9-8800
NJ	Robert L Clark	P.O. Box 195, Upper Darby, Pa	KI3-0902
NY	Andrews & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
NY	Valley Forge Associates	Emro Bldg, Devon, Pa	MU8-5103
Pa	Robert L Clark	P.O. Box 195, Upper Darby, Pa	KI3-0902
RI	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Vt	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Foreign	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
	CONRAC INC	**Glendora, Cal**	**ED5-0541**
	CONRAD INC	**141 Jefferson St, Holland, Mich**	**EX2-3161**
Cal	E A Wright	3848 E. Colorado Blvd, Pasadena, Cal	MU1-0181
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Fla	W Ben Wimberly	532 S. Ft. Harrison Ave, Clearwater, Fla	3-7072
Ill	William O Nostrand	5111 W. Diversey St, Chicago 39, Ill	ME7-3303
NY	Ralph M Alden	21 Park Pl, New York, NY	BA7-7583
Ohio	W D Armstrong	P.O. Box 294, Toledo, Ohio	CH4-0579
Wash	Refrigeration Engineering	1718 Broadway, Seattle 22, Wash	EA3-8940
	CONSOLIDATED AIRBORNE SYSTEMS	**900 Third Ave, New Hyde Park, NY**	**HU2-5111**
Ala	Ludlum Assoc	Box 48-1337, Miami 48, Fla	TU5-3611
Cal	George Ledbetter Assoc	16618 Ventura Blvd, Encino, Cal	ST9-8115
Fla	Ludlum Assoc	Box 48-1337, Miami 48, Fla	TU5-3611
Ga	Ludlum Assoc	Box 48-1337, Miami 48, Fla	TU5-3611
Mo	Hugh Walker Assoc	P.O. Dr 4600 Sta Plaza, St. Louis, Mo	MI7-1111
NC	Ludlum Assoc	Box 48-1337, Miami 40, Fla	TU5-3611
Ohio	Lawrence O Bruno & Co	Box 61, Far Hills Br, Dayton, Ohio	
SC	Ludlum Associates	Box 48-1337, Miami 48, Fla	TU5-3611
Tenn	Ludlum Associates	Box 48-1337, Miami 48, Fla	TU5-3611
Foreign	Zucs International	50 Broad St, New York, NY	
	CONSOLIDATED AVIONICS CORP	**800 Shames Dr, Westbury, NY**	**ED4-8400**
Ala	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ariz	Roland Olander & Co	6313 Santa Monica Blvd, Los Angeles, Cal	HO9-6313
Ark	J Y Schoonmaker Co	5328 Redfield Ave, Dallas 35, Tex	
Cal	Electronic Engineering Associates	1295 Laurel St, San Carlos, Cal	LY3-2189
Cal	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal	HO9-6313
Colo	Landes Zachary & Peterson	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Conn	Eltron Engineering Sales Inc	2345 Whitney Ave, Hamden, Conn	AT8-9276
Del	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
DC	Sid Dubinsky	3213 Woodholiow Dr, Chevy Chase, Md	OL6-9437
Fla	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla	HI4-1118
Ga	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Idaho	Ahmco	Boeing Field, Seattle 8, Wash	PA5-9810
Ill	Penzner Sales Co	8300 W. 92nd St, Overland Park, Kan	
Kan	Penzner Sales Co	8300 W. 92nd St, Overland Park, Kan	
La	J Y Schoonmaker Co	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Me	Eltron Engineering Co	246 Walnut St, Newtonville, Mass	DE2-6975
Md	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Miss	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla	HI4-1118
Mo	Penzner Sales Co	8300 W. 92nd St, Overland Park, Kan	
Mont	Landes Zachary & Peterson	601 S. Jason, Denver 23, Colo	SH4-1311
Neb	Penzner Sales Co	8300 W. 92nd St, Overland Park, Kan	
Nev	Roland Olander & Co	6313 Santa Monica Blvd, L A, Cal	HO9-6313
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
NJ	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
NJ	F & F Associates	15 Dorchester Rd, Emerson, NJ	MU7-6477
NY	F & F Associates	297 Cherry Pl, E. Meadow, NY	MU7-6477
NY	Tesco Associates	114 Miles Ave, Syracuse 10, NY	HO3-4533
NY	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NC	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Okla	J Y Schoonmaker Co	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Ore	Ahmco	Boeing Field, Seattle 8, Wash	PA5-9810
Pa	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
SC	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Tenn	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla	HI4-1118
Tex	J Y Schoonmaker Co	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Utah	Landes Zachary & Peterson	601 S. Jason St, Denver 23, Colo	SH4-1311
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Va	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Wash	Ahmco	Boeing Field, Seattle 8, Wash	PA5-9810
Wyo	Landes Zachary & Peterson	601 S. Jason St, Denver 23, Colo	SH4-1311
	CONSOLIDATED CONTROLS CORP	**6 Dunnat Ave, Bethel, Conn**	**PI3-6721**
Ariz	Terrazas Pina & Moore	P.O. Box 5106, Tucson, Ariz	3-8302
Cal	Bellflove Co	420 Market St, San Francisco, Cal	YU2-3713
Cal	Harry Gee & Associates	5333 S. Sepulveda, Culver City, Cal	TE0-1742
Cal	R M Brunson & Associates	7440 Girard Ave, LaJolla, Cal	GL4-0794
Colo	Rocket Components Co	2950 S. Fox St, Englewood, Colo	SU9-2548
Conn	Northeast Sales Engrg Co	3013 Dixwell Ave, Hamden, Conn	CH8-4481
Ga	Hart Engrg & Sales Co	Sta D, Box 2583, Atlanta, Ga	TR4-5667
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Kan	Associated Air Services	P.O. Box 3828, Wichita, Kan	AM7-3930
Mass	Northeast Sales Engrg Co	5 Elm St, Danvers, Mass	SP4-3010
Mo	Associated Air Services	c/o R O Anthony, Sparta, Ill	
NY	Reed Tollefson Corp	2815 Monroe Ave, Rochester, NY	HI5-0450
Ohio	Lowry-Dietrich Co	333 W. 1st St, Dayton, Ohio	BA3-6042
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland, Ohio	
Pa	Argus Aero Engrg Co	P.O. Box 68, Warminster, Pa	OS5-4131
Tex	Associated Air Services	P.O. Box 13185, Dallas, Tex	FL2-7083
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
	CONSOLIDATED DIESEL ELECTRIC CORP	**880 Canal St, Stamford, Conn**	**DA5-2261**
Cal	Consolidated Diesel Electric Corp	15519 Lanark St, Van Nuys, Cal	ST2-4060
DC	Consolidated Diesel Electric Corp	1000 Connecticut Ave, N.W., Wash	RE7-5315
Mo	Hugh Walker	Drawer 4600, Plaza Sta, St. Louis	MI7-1111
Ohio	Consolidated Diesel Electric Corp	3212 Brookmor Dr, Xenia, Ohio	CH4-1252
	CONSOLIDATED ELECTRODYNAMICS CORP	**360 N. Sierra Madre Villa, Pasadena, Cal**	**MU1-8421**
Cal	Consolidated Electrodynamics Corp	1095 E. Green St, Pasadena, Cal	SY5-4371
Cal	Consolidated Electrodynamics Corp	16033 Ventura Blvd, Encino, Cal	TR3-4478
Cal	Consolidated Electrodynamics Corp	900 N. San Antonio Rd, Los Altos, Cal	WH8-8294
Cal	Consolidated Electrodynamics Corp	3266 Rosecrans St, San Diego, Cal	AC3-8136
Colo	Consolidated Electrodynamics Corp	2145 S. Clermont, Denver, Colo	SK6-1071
DC	Consolidated Electrodynamics Corp	711-14th St, N.W., Washington 5, DC	RE7-3697
Fla	Consolidated Electrodynamics Corp	2400 E. Colonial Dr, Orlando, Fla	CH1-2131
Ga	Consolidated Electrodynamics Corp	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-4467
Ill	Consolidated Electrodynamics Corp	2540 W. Peterson Ave, Chicago 45, Ill	RO1-4235
Mass	Consolidated Electrodynamics Corp	123 Water St, Watertown, Mass	WA6-0080
Mo	Consolidated Electrodynamics Corp	1401 Brentwood Blvd, St. Louis 17, Mo	WO2-3542
NJ	Consolidated Electrodynamics Corp	345 Boulevard, Hasbrouch Heights, NJ	AT8-2055
NM	Consolidated Electrodynamics Corp	301 Washington, S.E., Albuquerque, NM	AL5-8671
Ohio	Consolidated Electrodynamics Corp	3770 N. High St, Columbus 14, Ohio	AM7-7568
Ohio	Consolidated Electrodynamics Corp	505 E. Schantz, Dayton 9, Ohio	AX3-4224
Pa	Consolidated Electrodynamics Corp	101 N. 33rd St, Philadelphia 4, Pa	EV2-1529
Tex	Consolidated Electrodynamics Corp	703 Exchange Bank Bldg, Dallas 35, Tex	FL1-9997
Wash	Consolidated Electrodynamics Corp	808-106th Ave, N.E., Bellevue, Wash	GL4-9370
	CONSOLIDATED MNG & SMLTG CANADA LTD	**215 St. James St, W., Montreal, Canada**	**AV6-3103**
	CONSOLIDATED MOLDED PRODUCTS CORP	**Scranton 2, Pa**	
	CONSOLIDATED PRODUCTIONS INC	**3991 S.W. 12 Terr, Ft. Lauderdale, Fla**	**JA4-8361**
	CONSOLIDATED REACTIVE METALS INC	**115 Hoyt St, Mamaroneck 1, NY**	**OW8-2300**
	CONSOLIDATED RESISTANCE CO. OF AMERICA INC	**44 Prospect St, Yonkers, NY**	
	CONSOLIDATED WIRE & ASSOC CDS	**1635 S. Clinton St, Chicago 16, Ill**	**HA1-4441**
Ala	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Ark	John B Guenther Co	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Cal	Sig Cohn	920 S. Mansfield Ave, L A 36, Cal	WE3-8617
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Colo	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Conn	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Del	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
DC	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
Fla	Morris F Taylor Co	4304 Corona St, Tampa 9, Fla	62-4071
Ga	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Idaho	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Ill	Levin Sacks & Associates	2639 W. Peterson Ave, Chicago, Ill	RO4-7082
Ind	Harrison J Blind & Associates Inc	1508 Winton Ave, Indianapolis 24, Ind	CH1-9772
Iowa	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Kan	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Ky	Harrison J Blind & Associates Inc	1508 Winton Ave, Indianapolis 24, Ind	CH1-9772
La	John B Guenther Co	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Md	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Mich	Levin Sacks & Associates	2639 W. Peterson Ave, Chicago, Ill	RO4-7082
Mo	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Mont	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Neb	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-5622
Nev	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
NH	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
NJ	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
NM	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
NY	Jerry Kurshbaum & Co	1533 Peninsula Blvd, Hewlett, NY	FR4-0111
NC	Morris F Taylor Co	1224 Dresden Dr, W., Charlotte 5, NC	KE7-4878
Ohio	J W Lehner Co	367 Brynhild Rd, Columbus 2, Ohio	AM8-5260
Okla	John B Guenther Co	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Ore	James T Neuville Co	10636 N.E. Fargo St, Portland, Ore	AL2-3111
Pa	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
Pa	J W Lehner Co	367 Brynhild Rd, Columbus 2, Ohio	AM8-5260
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
SC	Morris F Taylor Co	1224 Dresden Dr, W., Charlotte, NC	KE7-4878
Tenn	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Tex	John B Guenther Co	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Utah	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Va	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-8487
Wash	James T Neuville Co	10636 N.E. Fargo St, Portland, Ore	AL2-3111
W. Va	J W Lehner Co	367 Brynhild Rd, Columbus 2, Ohio	AM8-5260
Wisc	Charles S Polacheck Associates	1500 E. Fairy Chasm Rd, Milwaukee	FL2-8650
Wyo	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto, Ontario, Can	RU1-6174
Foreign	Comerso	30 Blvd Bonne-Nouvelle, Paris, France	PR33-07
	CONSTANTA CO OF CANADA LTD	**280 Regina Ave, Montreal 19, Que, Can**	**PO8-3235**
Fla	William M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Ind	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
Md	William M Jones Co	1107 Echo Ct, N., Towson, Md	VA3-5721
Mass	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Mich	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
NH	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
NJ	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NY	William Richter Corp	107 Dolores Terr, S., North Syracuse, NY	GL4-1051
NC	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Ohio	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
Pa	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
SC	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Vt	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Canada	John Herring & Co Ltd	3468 Dundas St, W., Toronto, Ont, Can	RO2-9824
	CONSTANTIN & CO., L L	**Rt 46, Lodi, NJ**	
	CONTACTS INC	**1100 Stiles Deane Hwy, Wethersfield, Conn**	**JA9-3386**
	CONTINENTAL CONNECTOR CORP	**34-63 56th St, Woodside 77, NY**	**TW9-4422**
Ariz	Fred Schoeffler Associates	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
Cal	DeJur-Amsco Corp	11650 W. Olympic Blvd, L A 64, Cal	BR2-0931
Colo	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Conn	DeJur-Amsco Corp	45-01 Northern Blvd, L I C 1, NY	RA1-4008
Del	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
DC	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
Idaho	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Ill	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Ind	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Ky	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Md	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
Minn	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	DeJur-Amsco Corp	11650 W. Olympic Blvd, L A 64, Cal	BR2-0931
NJ	DeJur-Amsco Corp	45-01 Northern Blvd, L I C 1, NY	RA1-4008
NM	Fred Schoeffler Associates	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
NY	DeJur-Amsco Corp	45-01 Northern Blvd, Long Island City 1	RA1-4008
NC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
ND	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Ohio	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Ore	Roy H Cooley & Associates	101 Jones Bldg, Seattle 1, Wash	MU2-4567
Pa	Edward Brautigan	42 Trellis Rd, Levittown, Pa	WI9-1733
SC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
SD	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Tenn	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
Utah	Fred Schoeffler Associates	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
Wash	Roy H Cooley & Associates	101 Jones Bldg, Seattle 1, Wash	MU2-4567
Wisc	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Canada	Atlas Radio Co Ltd	50 Wingold Ave, Toronto, Canada	RU1-6174
	CONTINENTAL DEVICE CORP	**12515 Chadron Ave, Hawthorne, Cal**	**OR8-4894**
Ill	Continental Device Corp	670 N. Michigan Ave, Chicago, Ill	DE7-6108
Mass	Continental Device Corp	4 Federal St, Woburn, Mass	WE3-4647
NJ	Continental Device Corp	249 Linden St, Moorestown, NJ	NO5-2870
Foreign	Henley & Co	202 E. 44th St, New York 17, NY	YU6-5544
	CONTINENTAL-DIAMOND FIBRE CORP	**Newark 100, Del**	**EN8-8531**
Ala	Continental-Diamond Fibre Corp	110 95th St, N., Birmingham 6, Ala	VE3-5713
Alaska	Continental-Diamond Fibre Corp	Export Dept, Bridgept, Montgomery City, Pa	BR5-0800
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Ark	Continental-Diamond Fibre Corp	406 W. 34th St, Kansas City, Mo	LO1-6014
Cal	Continental-Diamond Fibre Corp	3050 E. 11th St, Los Angeles 23, Cal	AN8-1371
Colo	J D Lloyd Supply Co	260 Denver Club Bldg, Denver 2, Colo	AC2-2236
Conn	Continental-Diamond Fibre Corp	15 Harding St, Wethersfield 9, Conn	JA9-0397
Del	Continental-Diamond Fibre Corp	Bridgeport, Montgomery County, Pa	BR5-0800
DC	Continental-Diamond Fibre Corp	2451 Ellis Rd, Baltimore 14, Md	NO5-0964
Fla	Continental-Diamond Fibre Corp	834 Hayne St, Spartanburg, SC	SP3-6397
Ga	Continental-Diamond Fibre Corp	834 Hayne St, Spartanburg, SC	SP3-6397
Hawaii	Continental-Diamond Fibre Corp	Export Department	
Idaho	Marwood Ltd	209 S.W. 1st Ave, Portland 4, Ore	CA3-5123
Ill	Continental-Diamond Fibre Corp	1515 N. Harlem Ave, Oak Park, Ill	EU3-5270
Ind	Continental-Diamond Fibre Corp	709 E. 38th St, Indianapolis 5, Ind	WA5-9803
Iowa	Continental-Diamond Fibre Corp	1515 N. Harlem Ave, Oak Park, Ill	EU3-5270
Kan	Continental-Diamond Fibre Corp	406 W. 34th St, Kansas City, Mo	
Ky	Continental-Diamond Fibre Corp	709 E. 38th St, Indianapolis, Ind	
La	Continental-Diamond Fibre Corp	110 95th St, Birmingham, Ala	
Me	Continental-Diamond Fibre Corp	1245 Hancock St, Quincy, Mass	
Md	Continental-Diamond Fibre Corp	2451 Ellis Rd, Baltimore 14, Md	NO5-0964
Mass	Continental-Diamond Fibre Corp	1245 Hancock St, Quincy 69, Mass	GR2-2150
Mich	Continental-Diamond Fibre Corp	201 Officenter Bldg, Detroit 35, Mich	BR3-0447
Minn	Continental-Diamond Fibre Corp	610 Plymouth Bldg, Minneapolis 2, Minn	FE3-3388
Miss	Continental-Diamond Fibre Corp	110 95th St, N., Birmingham, Ala	VE3-5713
Mo	Continental-Diamond Fibre Corp	1246 Hampton Ave, St. Louis 10, Mo	MI5-2253
Mont	Marwood Ltd	1714 1st Ave, S., Seattle 4, Wash	MA3-4747
Neb	F J Ford Co	116 N. 40th St, Omaha 31, Neb	RE9110
Nev	Marwood Ltd	357 9th St, San Francisco, Cal	HE1-7893
NH	Continental-Diamond Fibre Corp	1245 Hancock St, Quincy, Mass	GR2-2150
NJ	Continental-Diamond Fibre Corp	51 E. 42nd St, New York 17, NY	OX7-9617
NM	Continental-Diamond Fibre Corp	P.O. Box 1587, Phoenix, Ariz	AL8-7893
NY	Continental-Diamond Fibre Corp	51 E. 42nd St, New York 17, NY	OX7-9617
NC	Continental-Diamond Fibre Corp	2103 Mimosa Dr, Greensboro, NC	BR4-0226
ND	O. Lenmark	610 Plymouth Bldg, Minneapolis, Minn	FE3-3388
Ohio	Continental-Diamond Fibre Corp	1621 Superior Bldg, Cleveland 14, Ohio	CH1-5220
Ore	Marwood Ltd	209 S.W. 1st Ave, Portland 4, Ore	CA3-5123
Pa	Continental-Diamond Fibre Corp	Bridgeport, Montgomery County, Pa	BR5-0800
RI	Continental-Diamond Fibre Corp	1245 Hancock St, Quincy 69, Mass	GR2-2150
SC	Continental-Diamond Fibre Corp	834 Hayne St, Spartanburg, SC	SP3-6397

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
SD	O J Lenmark	610 Plymouth Bldg, Minneapolis 2, Minn	FE3-3388
Tenn	Continental-Diamond Fibre Corp	110 95th St, N., Birmingham 6, Ala	VE3-5713
Tex	Summers Electric Co., Inc	1502 S. Good-Latimer Expwy, Dallas 10	HA8-1502
Utah	Marwood Ltd	357 9th St, San Francisco, Cal	HE1-7893
Vt	Continental-Diamond Fibre Corp	1245 Hancock St, Quincy 69, Mass	GR2-2150
Va	Continental-Diamond Fibre Corp	2103 Mimosa Dr, Greensboro, NC	BR4-0226
Wash	Marwood Ltd	1714 1st Ave, S., Seattle 4, Wash	MA3-4747
W. Va	Dayton Office	39 N. Torrence St, Dayton 3, Ohio	CL3-3114
Wisc	Continental-Diamond Fibre Corp	6108 W. Lincoln Ave, Milwaukee 19	LI1-7660
Wyo	J D Lloyd Supply Co	260 Denver Club Bldg, Denver 2, Colo	AC2-2236
Foreign	Continental-Diamond Fibre	Bridgeport, Montgomery County, Pa
	CONTINENTAL ELECTRIC CO., INC	**334 Ferry St, Newark 5, NJ**	**MI2-4050**
	CONTINENTAL ELECTRONICS MFG CO	**4212 S. Buckner Blvd, Dallas 27, Tex**	**EV1-1135**
DC	Emerson G Pray	1511 K St, N.W., Washington, DC	EX3-3527
	CONTINENTAL MFG INC	**1612 California St, Omaha, Neb**	**JA2753**
Ala	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Ark	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Cal	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Cal	Bray & Carter	2234 W. 11th St, Los Angeles, Cal	DU9-3173
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Keene Sales Co	6th Floor, 25 Tremont St, Boston 8, Mass	RI2-0466
DC	Hilker Co., The	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Fla	Ray Unrath	2524 Key Largo Ln, Fort Lauderdale, Fla	LU1-2583
Ga	Ray Unrath	2524 Key Largo Ln, Fort Lauderdale, Fla	LU1-2583
Idaho	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ill	Key-Men Sales Inc	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Ind	Baatz Sales Co	3534 Horner Dr, Indianapolis 19, Ind	UN2-4717
Iowa	T H Ellis & Co	408 Merchandise Mart, Kansas City 8, Mo	BA1-0260
Kan	T H Ellis & Co	408 Merchandise Mart, Kansas City 8, Mo	BA1-0260
Ky	Baatz Sales Co	3535 Horner Dr, Indianapolis, Ind	UN2-4717
La	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Me	Keene Sales Co	6th floor, 25 Tremont St, Boston 8, Mass	RI2-0466
Mass	Keene Sales Co	6th floor, 25 Tremont St, Boston 8, Mass	RI2-0466
Mich	Paul Wilson	15506 Turney Rd, Maple Heights 37, Ohio	MO2-3280
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Mo	T H Ellis & Co	408 Merchandis Mart, Kansas City 8, Mo	BA1-0260
Mont	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Neb	T H Ellis & Co	408 Merchandise Mart, Kansas City 8, Mo	BA1-0260
Nev	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-6232
NH	Keene Sales Co	6th floor, 25 Tremont St, Boston 8, Mass	RI2-0466
NY	Kaeber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NC	Hilker Co., The	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Ohio	Paul Wilson	15506 Turney Rd, Maple Heights 37, Ohio	MO2-3280
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Paul Wilson	15506 Turney Rd, Maple Heights 37, Ohio	MO2-3280
SC	Hilker Co., The	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Tenn	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Va	Hilker Co., The	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	KIM International Trade Associates	4471 N.W. 36th, Miami Springs, Fla	TU5-3141
	CONTINENTAL SCREW CO	**459 Mt. Pleasant St, New Bedford, Mass**	**WY3-2621**
Ala	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Ariz	Belasco & Hull Corp	1119 E. 63rd St, Los Angeles, Cal	AD3-6284
Ark	S K Eaves	4515 Prentice St, Dallas, Tex	EM1-1640
Cal	Belasco & Hull Corp	1119 E. 63rd St, Los Angeles, Cal	AD3-6284
Colo	Ben T Clark	211-212 Wazee Market, Denver 4, Colo	MA3-2011
Conn	Ralph Johnson	R.F.D. 1 Hampton, Conn	GL5-9045
Del	Jos G Flynn	2657 Fanlaw Ave, Pennsauken, NJ	NO2-8735
DC	Jos G Flynn	2657 Fanlaw Ave, Pennsauken, NJ	NO2-8735
Fla	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Ga	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Idaho	Owen-Brink Co	1006 Lowman Bldg, Seattle, Wash	MA4-6153
Ill	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Ind	Chester Evans	218 N. Tuxedo Dr, South Bend, Ind	CE2-9677
Iowa	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Kan	C T McGrath	5754 Waterman Blvd, St. Louis, Mo	VO3-3674
Ky	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
La	S K Eaves	4515 Prentice St, Dallas, Tex	EM1-1640
Me	Ralph Johnson	R. F. D. 1, Hampton, Conn	GL5-9045
Md	Jos G Flynn	2657 Fanlaw Ave, Pennsauken, NJ	NO2-8735
Mass	Henry Purrington	4 Costa St, North Lartmouth, Mass	WY3-5614
Mich	Continental Screw Co	10248 W. McNichols Rd, Detroit, Mich	UN4-5391
Minn	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Miss	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Mo	C T McGrath	5754 Waterman Blvd, St. Louis, Mo	VO3-3674
Mont	Owen-Brink Co	1006 Lowman Bldg, Seattle, Wash	MA4-6153
Neb	C T McGrath	5754 Waterman Blvd, St. Louis, Mo	VO3-3674
NH	Ralph Johnson	R. F. D. 1, Hampton, Conn	GL5-9045
NJ	Raymond J Dever	P.O. Box 101, Park Ridge, NJ	PA6-3080
NM	Belasco & Hull Corp	119 E. 63rd St, Los Angeles, Cal	AD3-6284
NY	Raymond J Dever	P.O. Box 101, Park Ridge, NJ	PA6-3080
NY	Baldwin-McLean Inc	21 W. Putnam St, Greenwich, Conn	NO1-7500
NC	Wilson Sales Co	227 E. Commerce St, High Point, NC	4658
ND	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Ohio	Thomas McMillan	RR3, Box 336, Piqua, Ohio	PR3-7725
Okla	S K Eaves	4515 Prentice St, Dallas, Tex	EM1-1640
Ore	Owen-Brink Co	1006 Lowman Bldg, Seattle, Wash	MA4-6153
Pa	Jos G Flynn	2657 Fanlaw Ave, Pennsauken, NJ	NO2-8735
RI	Henry Purrington	4 Costa St, North Darmouth, Mass	WY3-5614
SC	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
SD	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Tenn	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Tex	S K Eaves	4515 Prentice St, Dallas, Tex	EM1-1640
Utah	Ben T Clark	211-212 Wazee Market, Denver 4, Colo	MA3-2011
Vt	Ralph Johnson	R. F. D. 1, Hampton, Conn	GL5-9045
Va	Wilson Sales Co	227 E. Commerce St, Hight Point, NC	4658
Wash	Owen-Brink Co	1006 Lowman Bldg, Seattle, Wash	MA4-6153
W.Va	C R Eaves Co	Mc Callie Med Bldg, Chattanooga, Tenn	AM7-4759
Wisc	K M Wood Jr	232 Indiana Ave, Elmhurst, Ill	BR9-5530
Wyo	Ben T Clark	211-212 Wazee Market, Denver 4, Colo	MA3-2011
	CONTINENTAL WIRE SALES CORP	**P.O. Box 366, Wallingford, Conn**	**CO9-1421**
Cal	Tri-State Supply Corp	544 S. San Pedro St, Los Angeles
Cal	Tri-State Supply Corp	554 Bryant St, San Francisco
Cal	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver
Conn	Mills Talbot & Co	P.O. Box 4212, Hamden
Del	L B Chapman Co	819 Vine St, Philadelphia, Pa
DC	L B Chapman Co	819 Vine St, Philadelphia, Pa
Fla	J Noble Arnold	4228 Cortez Way S., St. Petersburg
Ga	J Noble Arnold	4228 Cortez Way, S., St. Petersburg, Fla
Idaho	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland, Ore
Ill	Snyder Sales Co	4900 W. Madison St, Chicago, Ill
Iowa	Roger C Saunders	715 Kenwood Pkwy, Minnpls, Minn
Kan	Wood & Anderson Co	2914 Washington Ave, St. Louis, Mo
La	Dupont-Bondurant Inc	717 Jefferson Hwy, New Orleans
Me	Frederic C Talbot	P.O. Box 366, Weston, Mass
Md	L B Chapman Co	819 Vine St, Philadelphia, Pa
Mass	Frederic C Talbot	P.O. Box 366, Weston, Mass
Mich	Robert M Gardner Co	26940 Lyndon St, Detroit
Minn	Roger C Saunders	715 Kenwood Pkwy, Minneapolis
Mo	Wood & Anderson Co	2914 Washington Ave, St. Louis
Mont	Pacific Electric Sales Co	140 S. E. 28th Ave, Portland, Ore
Nev	Pacific Electric Sales Co	140 S. E. 28th Ave, Portland, Ore
NH	Frederic C Talbot	P.O. Box 366, Weston, Mass
NJ	Dana-Beach Co	101 Park Ave, New York, NY
NM	Ralph B Black	721 Loma Vista Dr, N.E., Albuquerque
NY	Dana Beach Co	101 Park Ave, New York, NY
NY	Mills Talbot & Co	1 Flint St, Rochester, NY
Ohio	S E Wallar	3521 Harvard Blvd, Dayton, Ohio
Ohio	R H Pierce	12417 Cedar Rd, Cleveland Hgts
Okla	Brenner Electrical Sales	201 Velasco St, Houston, Tex
Ore	Pacific Electric Sales Co	140 S. E. 28th Ave, Portland, Ore
Pa	L B Chapman Co	819 Vine St, Philadelphia, Pa
Pa	M B Squires Co	1 Cedar Blvd, Pittsburgh 28, Pa
RI	Frederic C Talbot	P.O. Box 366, Weston, Mass
Tenn	C E Pitner	P.O. Box 693, Knoxville, Tenn
Tex	Brenner Electrical Sales	201 Velasco St, Houston, Tex
Vt	Frederic C Talbot	P.O. Box 366, Weston, Mass
Va	L B Chapman Co	819 Vine St, Philadelphia, Pa
Wash	Pacific Electric Sales Co	140 S. E. 28th Ave, Portland, Ore
W.Va	M B Squires Co	1 Cedar Blvd, Pittsburgh, Pa
Wisc	Fritz Meyer Co	515 Glenview Ave, Milwaukee, Wisc
	CONTINENTAL-WIRT ELECTRONICS CORP	**5221 Greene St, Philadelphia 44, Pa**	**GE8-9334**
Ala	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Alaska	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	CH6-4556
Ariz	Wes Alderson Co	3050 Overland Ave, Los Angeles 34, Cal	D-1030
Ark	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Cal	Harold L Newnan Co	56 41st Ave, San Mateo, Cal	FI1-3433
Cal	Wes Alderson Co	3050 Overland Ave, Los Angeles, Cal	D-1030
Colo	Gordon Moss Electronics Co	P.O. Box 428, Greeley, Colo	EL3-1452
Conn	Richard E Powell	P.O. Box 797, Canaan, Conn	TA4-7215
Del	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
Del	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
DC	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
DC	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Fla	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	Box 331, East Point, Ga	PO6-0261
Hawaii	Dougherty Enterprises	149 Kaumi St, Kailua, Hawaii
Idaho	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	CH6-4556
Ill	L A Chambers Co	5906 W. North Ave, Chicago 39, Ill	TU9-4884
Ill	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Ind	Southern Sales Co	105 Lakeshore Dr, Angola, Ind	AN777
Iowa	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Kan	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Ky	Southern Sales Co	105 Lakeshore Dr, Angola, Ind	AN777
La	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Me	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Md	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
Md	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Md	A Wetterhahn Co	538 Buena Vista, Maple Shade, NJ	NO2-3305
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Grant Shaffer & Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Ray Ripley & Associates	7222 James Ave, S., Minneapolis 23	UN6-8682
Miss	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Mo	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Mont	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Mont	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	CH6-4556
Neb	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Neb	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Nev	Harold L Newnan	56-41 Ave, San Mateo, Cal	FI1-3433
Nev	Wes Alderson Co	3050 Overland Ave, Los Angeles 34, Cal	TE0-1030
NH	Glenn M Hathaway Co	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	Samuel S Egert Co	97 Reade St, New York 13, NY	WO4-0996
NJ	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NJ	A Wetterhahn Co	538 Buena Vista, Maple Shade, NJ	NO2-3305
NM	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
NY	Samuel S Egert	97 Reade St, New York 13, NY	WO4-0996
NY	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NY	Franklin & Andrews Corp	2 Standish Terr, Syracuse 3, NY	GI6-1120
NY	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
ND	Ray Ripley & Associates	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Ohio	The George L Herrick Co	15326 Lorraine Ave, Cleveland 11, Ohio	WI1-4406
Okla	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Ore	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19	CH6-4556
Pa	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
Pa	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	WY1-2624
RI	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
SD	Ray Ripley & Associates	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tenn	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Tex	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA8459
Utah	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Vt	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Va	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Va	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Wash	Roger M Minthorne Co	0673 S.W. Taylor's Ferry, Portland, Ore	CH6-4556
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	WY1-2624
Wisc	L A Chambers Co	5906 W. North Ave, Chicago 39, Ill	TU9-4884
Wisc	Ray Ripley & Associates	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Wyo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Foreign	Roburn Agencies Inc	431-435 Greenwich St, New York 13, NY	DI9-2260
	CONTINENTAL X-RAY CORP	**1536 N. Clybourn, Chicago 10, Ill**	**MI2-3711**
NY	Continental X-Ray Corp	68 Nassau St, New York, NY
	CON-TORQ INC SUB of NORTH & JUDD MFG CO	**500 E. Main St, New Britain, Conn**	**BA3-3621**
	CONTROL CORP	**718 Central Ave, Minneapolis 14, Minn**
	CONTROL DIV OF MAGNETICS INC	**Butler, Pa**	**BU7-3787**
Cal	Magnetics Inc	1743 Maryland Ave, Redwood City, Cal	EM6-1210
Cal	Magnetics Inc	3841 E. Colorado Blvd, Pasadena, Cal	MU1-7487
Conn	Magnetics Inc	15 Elm Pl, New Canaan, Conn	WO6-1583
Ill	Withers Ropek & Cahill	5439 W. Division St, Chicago, Ill	AU7-7292
Ind	Rockwell Engineering	2121 E. 45th St, Indianapolis, Ind	CL1-9453
Mass	Magnetics Inc	Tupelo Rd, Holly Ridges, Marshfield	PI6-2460
Mich	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	JO6-2375
NJ	Magnetics Inc	172 Dahlia Terr, N. Plainfield, NJ	PL7-0182
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo, NY	BE3757
NY	Magnetics Inc	15 Elm Pl, New Canaan, Conn	WO6-1583
Ohio	Martin-Rettger Inc	11955 Shaker Blvd, Cleveland, Ohio	SW1-8787
Pa	W H Bollinger	P.O. Box 8088, Pittsburgh, Pa	LO1-2340
Tex	William E Brice	303 Bastrop St, Houston, Tex	CA2-7321
Canada	George M Fraser Ltd	1554 Yonge St, Toronto 7, Ontario, Can	WA4-9492
	CONTROL DATA CORP CEDAR ENGINEERING DIV	**501 Park Ave, Minneapolis 15, Minn**	**FE9-0411**
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Conn	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Del	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-4449
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Dale W Martin	Box 554, Dayton 19, Ohio	CL3-6175
Iowa	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Me	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Md	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-4449
Mass	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Mich	Carl T Sjolander	10544 Somerset Ave, Detroit 24, Mich	TU4-7024
Mo	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Nev	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
NH	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
NM	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
NC	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-4449
Ohio	Dale W Martin	Box 554, Dayton 19, Ohio	CL3-6175
Ohio	Carl T Sjolander	10544 Somerset Ave, Detroit 24, Mich	TU4-7024
Okla	Lawrence Sales Co	Box 13026, Dallas 20, Tex	FL2-7484
Pa	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-4449
Tex	Lawrence Sales Co	Box 13026, Dallas 20, Tex	FL2-7484
Vt	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Va	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-4449
	CONTROL DATA CORP COMPUTER DIV	**501 Park Ave, Minneapolis 15, Minn**	**FE9-0411**
Ala	William H Whitaker Jr	2659 Lane Park Rd, Birmingham, Ala	TR9-1385
Ariz	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
Cal	Benjamin Ferber	Box 303, Tarzana, Cal	DI2-0622
Cal	Dale L Wilson	Box 491, Redwood City, Cal	EM9-5781
Colo	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
Del	Henry S Forrest	2600 Connecticut Ave, N.W., Wash 16, DC	NO7-6630
DC	Henry S Forrest	2600 Connecticut Ave, N.W., Wash 16	NO7-6630
Fla	William H Whitaker Jr	2659 Lane Park Rd, Birmingham, Ala	TR9-1385
Ga	William H Whitaker Jr	2659 Lane Park Rd, Birmingham, Ala	TR9-1385
Idaho	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
Ill	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Ind	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Ky	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Md	Henry S Forrest	2600 Connecticut Ave, N.W., Wash 16, DC	NO7-6630
Mich	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Miss	William H Whitaker Jr	2659 Lane Park Rd, Birmingham, Ala	TR9-1385
NJ	Walter E Missdon	21 Steven Terr, South Plainfield, NJ	PL5-5468
NM	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
NY	Walter E Missdon	21 Steven Terr, South Plainfield, NJ	PL5-5468
Ohio	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Ore	Dale L Wilson	Box 491, Redwood City, Cal	EM9-5781
Pa	Walter E Missdon	21 Steven Terr, South Plainfield, NJ	PL5-5468
Pa	Robert W Gilliland	Box 83, Far Hills Sta, Dayton 19, Ohio	AX8-4101
Tex	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
Utah	Donald W Steinkamp	1006 Quentin St, Denver 8, Colo	EM4-2759
Va	Henry S Forrest	2600 Connecticut Ave, N.W., Wash 16, DC	NO7-6630
Wash	Dale L Wilson	Box 491, Redwood City, Cal	EM9-5781
W. Va	Henry S Forrest	2600 Connecticut Ave, N.W., Wash 16, DC	NO7-6630
	CONTROL DEVICES INC	**925 S. Eton Rd, Birmingham, Mich**	**JO6-1411**
	CONTROL DYNAMICS CORP	**7420 Fulton Ave, N. Hollywood, Cal**	**PO4-6060**
Ariz	Pacific Electro-Sales Inc	P. O. Box 9344, San Diego, Cal	GL9-1618
Cal	Pacific Electro Sales Inc	6053 1/2 Whittier Blvd, Los Angeles 22	RA3-3396
DC	Paul T Leibovitz	8806 Tyson Rd, Philadelphia 18, Pa	VE6-4726
Md	Paul T Leibovitz	8806 Tyson Rd, Philadelphia 18, Pa	VE6-4726
NY	Kahgan Sales Corp	1261 Broadway, New York 1, NY	MU4-7772
Pa	Paul T Leibovitz	8806 Tyson Rd, Philadelphia 18, Pa	VE6-4726
	CONTROL ELECTRONICS CO., INC	**10 Sproor Pl, Huntington Station, NY**	**HA7-7961**
Ark	Southern Electronics Inc	429 Exchange Park, Dallas, Tex	FL2-8995
Fla	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Okla	Southern Electronics Inc	429 Exchange Park, Dallas, Tex	FL2-8995
Tex	Southern Electronics Inc	429 Exchange Park, Dallas, Tex	FL2-8995

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Canada	Whitaker Electronics Limited	2137 Niagara Dr, Ottawa, Ontario, Can	1318
	CONTROL EQUIPMENT CORP	**19 Kearney Rd, Needham Hgts 94, Mass**	**HI4-7550**
	CONTROL PRODUCTS INC	**306 Sussex St, Harrison, NJ**	**HU2-8213**
Ala	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Ariz	Milform Co	167 S. Vermont, Los Angeles 4, Cal	DU7-1347
Cal	Milform Co	167 S. Vermont, Los Angeles 4, Cal	DU7-1347
Conn	Fran Kosowicz	2 Madsen Rd, West Hartford, Conn	AD3-7883
Del	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	VA5-3431
DC	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	VA5-3431
Fla	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Ga	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Idaho	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Ill	Felleisen Associates	5841 W. Montrose Ave, Chicago 34, Ill	SP7-1060
Ind	R F Hardy	1501 Hulman Bldg, Dayton 2	BA2-1265
Kan	Thomson Engrg Service	8230 Forsythe Blvd, St. Louis 5, Mo	PA7-7705
La	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Me	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
Md	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	VA5-3431
Mass	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
Mich	Edwin F Liddle	18925 Grand River Ave, Detroit 23, Mich	VE7-5310
Minn	Felleisen Associates	5231 Humboldt Ave, S., Minneapolis 19, Minn	
Miss	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Mo	Thomson Engineering Service	8230 Forsythe Blvd, St. Louis 5, Mo	PA7-7705
Mont	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Nev	Milform Co	167 S. Vermont, Los Angeles 4, Cal	DU7-1347
NH	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
NM	Milform Co	167 S. Vermont, Los Angeles 4, Cal	DU7-1347
NY	J P Dearie & Co	103 William St, Boonton, NJ	DE4-4848
NY	J P Dearie & Co	500 Lafayette Bldg, Syracuse, NY	GR1-8202
NC	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	VA5-3431
Ohio	R F Hardy	1501 Hulman Bldg, Dayton 2, Ohio	BA2-1265
Okla	Thomson Engineering Service	2520 Oaklawn Ave, Dallas 19, Tex	LA6-8741
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Pa	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	VA5-3431
RI	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
SC	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Tenn	Walter Klingel	15328 Harbor Dr, Maderia Beach, Fla	WA1-1148
Tex	Thomson Engineering Service	2520 Oaklawn Ave, Dallas 19, Tex	LA6-8741
Vt	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
Va	R B Barnhill & Associates	19 W. Penn Ave, Baltimore 4, Md	BA2-1265
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Wisc	Felleisen Associates	5841 W. Montrose Ave, Chicago 34, Ill	SP7-1060
	CONTROL SWITCH DIV CONTROLS CO OF AMERICA	**4218 W. Lake St, Chicago 24, Ill**	**VA6-3100**
	CONTROL TECHNOLOGY CO	**1186 Broadway, New York 1, NY**	**OR9-2776**
Kan	Wells White Corp	6625 Delmar Blvd, St. Louis 5, Mo	PA7-7622
Mo	Wells-White Co	6625 Delmar Blvd, St. Louis 5, Mo	PA7-7622
NJ	Ellis Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
NY	Ellis Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
	CONTROLLED ATMOSPHERE ENCLOSURES MFG CO	**1061 E. 8 St, Jacksonville 6, Fla**	**EL4-5684**
Cal	C W Reed Co	5959 S. Hoover, Los Angeles 44, Cal	PL3-2221
Cal	Maurice Asa	3024 College Ave, Berkeley 5, Cal	TH1-4388
	CONTROLS CO OF AMERICA	**9555 Soreng Ave, Schiller Park, Ill**	**MA5-9000**
	CONVAIR INSTRUMENTS/CONVAIR DIV GENERAL DYNAMICS CORP	**3595 Frontier St, San Diego 10, Cal**	**AC3-1614**
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CA8330
Colo	Rocket Components Co	2950 S. Fox St, Englewood, Colo	SU9-2548
Conn	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Me	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Mass	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Mont	Rocket Components Co	P.O. Box 213, Englewood, Colo	SU9-2548
NJ	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
NY	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CA8330
Pa	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
RI	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Rocket Components Co	P.O. Box 213, Englewood, Colo	SU9-2548
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CA8330
Wyo	Rocket Components Co	P.O. Box 213, Englewood, Colo	SU9-2548
	COOK CO., FRANK R	**3850 Olive St, Denver 7, Colo**	**DU8-4434**
Ariz	Whittaker Controls	915 N. Citrus Ave, Hollywood, Cal	HO4-0181
Cal	Whittaker Controls	915 N. Citrus Ave, Hollywood, Cal	HO4-0181
Nev	Whittaker Controls	915 N. Citrus Ave, Hollywood, Cal	HO4-0181
Ore	Whittaker Controls	915 N. Citrus Ave, Hollywood, Cal	HO4-0181
Wash	Whittaker Controls	915 N. Citrus Ave, Hollywood, Cal	HO4-0181
	COOK ELECTRIC CO	**2700 N. Southport Ave, Chicago 26, Ill**	**DI8-6700**
Ala	Wm Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Cal	James Moore	8170 Beverly Blvd, Los Angeles, Cal	OL3-5340
DC	W D Myers	1000-16 St, N.W., Wash DC	DI7-4700
Fla	W Richardson	1806 Atapha Vene, Tallahasse	TA3-1273
Kan	E W Wilbert	6405 E. Kellog, Wichita, Kan	MU2-3311
Mass	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
Mich	A W Crockett	34209 Barbury Rd, Farmington, Mich	MA6-1113
Minn	Tony Gentile	8833 Poplar Bridge, Minneapolis, Minn	TU8-5909
Mo	Milton Vail	Rt 11, Box 1710, Springfield	UN6-6990
NY	John M Ticknor	225 N. Washington St, Rome, NY	RO805
Ohio	A G Liefke	1482 Stanley Ave, Dayton, Ohio	BA8-5197
Okla	Charles Browne	1023 S. 11th St, Kingfisher	KI799
Tenn	Walter C Comerford	332 Cedar Valley Rd, Bristol	SO4-1933
Tex	T M Curtis	3415 1/2 Milton Ave, Dallas, Tex	EM3-2557
Wash	Donald Turner	1403 Olympic, Edmonds	PR6-4566
	COOK TECHNOLOGICAL CENTER	**6401 W. Oakton St, Morton Grove, Ill**	**NI7-6600**
Ala	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Ariz	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Cal	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Colo	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Conn	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
Del	John J Ryan	51-25 47th St, Woodside 77, NY	ST4-5477
DC	Cook Technological Center	1000 16th St, N.W., Washington 6, DC	DI7-4700
Fla	William F Appleton	441 N Edgemont Circle, Huntsville, Ala	JE9-4201
Ga	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Idaho	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Ind	A W Crockett	34209 Banbury Rd, Farmington, Mich	MA6-1113
Kan	Cook Electric Co	6405 E. Kellogg, Wichita, Kan	MU2-3311
Ky	Cook Electric Co	1482 Stanley Ave, Dayton, Ohio	BA8-5197
La	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Me	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
Md	Cook Technological Center	1000 16th St, N.W., Washington 6, DC	DI7-4700
Mass	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
Mich	A W Crockett	34209 Banbury Rd, Farmington, Mich	MA6-1113
Miss	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
NH	Henry C Alberts	10 Melch Rd, Lynnfield Center, Mass	ED4-4838
NJ	John J Ryan	51-25 47th St, Woodside 77, NY	ST4-5477
NM	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
NY	John J Ryan	51-25 47th St, Woodside 77, NY	ST4-5477
NC	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Ohio	Cook Electric Co	1482 Stanley Ave, Dayton, Ohio	BA8-5197
Ore	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Pa	John J Ryan	51-25 47th St, Woodside 77, NY	ST4-5477
RI	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
SC	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Tenn	William F Appleton	441 N. Edgemont Circle, Huntsville, Ala	JE9-4201
Tex	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Utah	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
Vt	Henry C Alberts	10 Melch Rd, Lynnfield Centre, Mass	ED4-4838
Va	Cook Technological Center	1000 16th St, N.W., Washington 6, DC	DI7-4700
Wash	Cook Technological Center	8170 Beverly Blvd, Los Angeles 48, Cal	OL3-5340
W. Va	Cook Electric Co	1482 Stanley Ave, Dayton, Ohio	BA8-5197
	COOPER DEVELOPMENT CORP	**2626 S. Peck Rd, Monrovia, Cal**	**HI6-3138**
	COOPER & SONS INC., JOSEPH B	**180 Varick St, New York 14, NY**	**ALS-3131**
	CO-OPERATIVE INDUSTRIES INC	**100 Oakdale Rd, Chester, NJ**	**CH255**
Ariz	L Stuart Elliott	P.O. Box 64472, Los Angeles 64, Cal	GR3-0579
Cal	L Stuart Elliott	P.O. Box 64472, Los Angeles 64, Cal	GR3-0579
Conn	Fred L O'Conner	2300 Wash St, Newton Lower Falls, Mass	DE2-1822
Del	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
DC	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Ga	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Ill	William B Romaine	2644 N. Western Ave, Chicago 47, Ill	CA7-4767
Ind	William B Romaine	2644 N. Western Ave, Chicago 47, Ill	CA7-4767
Iowa	William B Romaine	2644 N. Western Ave, Chicago 47, Ill	CA7-4767
Kan	George E Harris & Co., Inc	5241 E. Douglas Ave, Wichita 8, Kan	MU2-2731
Me	Fred L O'Conner	2300 Wash St, Newton Lower Falls, Mass	DE2-1822
Md	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Mass	Fred L O'Conner	2300 Wash St, Newton Lower Falls 62, Mass	DE2-1822
Mich	R D Kelso	P.O. Box 127, Birmingham, Mich	MI6-4155
Minn	William B Romaine	2644 N. Western Ave, Chicago 47, Ill	CA7-4767
Mo	George E Harris & Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
Mo	George E Harris & Co., Inc	7811 Carondelet Ave, St. Louis 5, Mo	VO3-6550
Nev	L S Elliott	P.O. Box 64472, Los Angeles 64, Cal	GR3-0579
NH	Fred L O'Conner	2300 Wash St, Newton Lower Falls, Mass	DE2-1822
NJ	Eugene B Hauser	1620 Park Ave, Hoboken, NJ	OL9-2321
NM	L S Elliott	P.O.Box 64472, Los Angeles 64, Cal	GR3-0579
NY	Eugene B Hauser	1620 Park Ave, Hoboken, NJ	OL9-2321
NC	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Ohio	John M Borland	310 Hippodrome Bldg, Cleveland 14	TO1-7531
Pa	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
SC	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Tenn	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Tex	George E Harris & Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Vt	Fred L O'Conner	2300 Wash St, Newton Lower Falls, Mass	DE2-1822
Va	A Roy Heath Jr	1015 Chestnut St, Phijadelphia 7, Pa	MA7-5140
W. Va	A Roy Heath Jr	1015 Chestnut St, Philadelphia 7, Pa	MA7-5140
Wisc	William B Romaine	2644 N. Western Ave, Chicago 47, Ill	CA7-4767
	COORS PORCELAIN CO	**600 Ninth St, Golden, Colo**	**CR9-4533**
	COPPERWELD STEEL CO WIRE & CABLE DIV	**Glassport, Pa**	**NO4-7131**
	COPYMATION, INC	**5650 N. Western Ave, Chicago 18, Ill**	**ED4-2200**
Ala	Photocopy Whse Supply Co	1915 Courtney Dr, Birmingham, Ala	
Ariz	Ace Photocopy	343 N. First Ave, Phoenix, Ariz	AL8-1509
Ark	Eby Engineering Co	100 W. Cedar, El Dorado, Ark	UN3-5285
Cal	Frederick Post Co	2639 S. Tanager St, Los Angeles, Cal	RA3-9271
Cal	Driazo Corp	35 N. De Lacey St, Pasadena, Cal	MU1-7109
Cal	Frederick Post Co	318 Mission St, San Francisco 5, Cal	GA1-3308
Colo	Cardwell Blue Print Co	1746 California St, Denver, Colo	
Conn	Blue Print Co	649 State St, New Haven, Conn	
Del	Graphic Arts Inc	813 Orange St, Wilmington, Del	
DC	Eugene Dietzgen Co., Inc	407-10th St, N.W., Washington DC	
Fla	Copymation of Fla	540-16th St, N.E., Winter Haven, Fla	
Ga	Atlanta Blue Print & Supply Inc	112 Spring St, N.W., Atlanta 1, Ga	
Hawaii	Rapid B P & Engrg Ltd	931 University Ave, Honolulu 14, Hawaii	
Idaho	Idaho Blue Print Co	210 N. Capitol Blvd, Boise, Idaho	
Ill	Frederick Post Co	3650 N. Avondale Ave, Chicago 18, Ill	KE9-7000
Ill	Tri-City Blue Print Co	1613-15 3rd Ave, Moline, Ill	4-2478
Ind	Lincoln-Graphic Corp	715 Clay St, Ft. Wayne, Ind	
Iowa	Midstate Reproduction & Supply	219 La Fayette, Waterloo, Iowa	
Kan	Holidays-Temlo	130 Topeka, Wichita, Kan	
Ky	Electric Blue Print & Supply	635 S. 5th St, Louisville, Ky	
La	Eugene Dietzgen Co., Inc	318 Camp St, New Orleans, La	
Md	Leet-Melbrook Inc	950 Sligo Ave, Silver Spring, Md	
Mass	Eugene Dietzgen Co., Inc	47 Kearney Rd, Needham Hgts, Mass	
Mich	Eugene Dietzgen Co., Inc	2345 Cass Ave, Detroit, Mich	
Minn	Twin City Blue Print Co., Inc	327 Jackson St, St. Paul 1, Minn	
Miss	Neely Blue Print & Supply Co	220 W. Pearl St, W. Jackson, Miss	
Mo	Eugene Dietzgen Co., Inc	1105 E. 81st St, Kansas City, Mo	
Mont	Billings Blue Print Co., Inc	2913 Second Ave, Billings, Mont	
Neb	Standard Blue Print Co	1411 Harney St, Omaha 2, Neb	
Nev	Paragon Blue Print Co	701 E. Stewart Ave, Las Vegas, Nev	
NJ	Commercial Blue Print & Supply	83 Waverly St, Jersey City, NJ	
NM	Dilazo Corp	147 Madison, N.E., Albuquerque, NM	
NY	Syracuse Instrument Sales Corp	2001 Teall Ave, E. Syracuse, NY	
NY	Eugene Dietzgen Co., Inc	218 E. 23rd St, New York 10, NY	
NY	V T Shivers Inc	120 E. 56th St, New York 22, NY	
NC	Southern Photo Print & Supply	431 Walker Ave, Greensboro, NC	
ND	Colburn School Supply	Kedney Whse, Grand Forks, ND	
Ohio	K-C-B Ltd	828-30 Coburn St, Akron 11, Ohio	
Ohio	Eugene Dietzgen Co	7633 Production Dr, Cincinnati, Ohio	
Ohio	H Cole Co	82 N. High St, Columbus 15, Ohio	CA1-1345
Okla	Tulsa Camera Record Co	317 S. Boston, Tulsa, Okla	DI3-7166
Ore	Oregon Blue Print Co	326 S.W. Morrison St, Portland, Ore	
Pa	Eugene Dietzgen Co., Inc	1009 Vine St, Philadelphia 7, Pa	
Pa	J H Weil & Co	1315 Cherry St, Philadelphia 7, Pa	
Pa	G & W Leach Co	109 Federal St, Pittsburgh, Pa	
RI	Engrg Developments Inc	E. Main Rd, Portsmouth, RI	
SC	Charleston Blue Print Co	144 King St, Charleston, SC	
SD	Northwest Products	Sioux Falls, SD	
Tenn	Southern Blue Print & Supply	83 N. Second St, Memphis, Tenn	
Tex	Frederick Post Co	5600 Harvey Wilson Dr, Houston, Tex	
Utah	Rileys Reproduction Co	145 S. State, Salt Lake City, Utah	
Va	Jordan Photo Engraving Co	828 Church St, Lynchburg, Va	
Wash	Eugene Dietzgen Co., Inc	620 Michigan St, Seattle, Wash	
W. Va	The H T Hall Co., Inc	112 Hale St, Charleston, W. Va	
Wisc	Frederick Post Co	2959 Humboldt Ave, Milwaukee, Wisc	
Wyo	Modern Office Equipment Co	1904 Thomes, Cheyenne, Wyo	
Foreign	Carlos R Rossi Inc	San Juan 17, Puerto Rico	
Foreign	Blue & White Co de Mexico S A	Ave Madero 59, Mexico 1, D F	
	CORBETT SCIENCE LABS, F W	**3117 Venice Blvd, Los Angeles 19, Cal**	**RE3-5251**
	CORDO (CANADA) LTD	**149 Sterling Rd, Toronto 3, Ont, Can**	**LE7-1221**
	CORDS LTD DIV	**121 Dodge Ave, DeKalb, Ill**	**DE6-2721**
Ariz	Essex Wire Corp	213 N. First Ave, Phoenix, Ariz	AP8-5796
Cal	Essex Wire Corp	749 Bryant St, San Francisco 7, Cal	DO2-1038
Conn	Essex Wire Corp	1731 Park St, Hartford, Conn	AO6-0641
Fla	Essex Wire Corp	3007 1/2 Edgewater Dr, Orlando, Fla	GA3-3232
Ga	Essex Wire Corp	74 28th St, N.W., Atlanta, Ga	TR4-0689
Ill	Essex Wire Corp	3501 Addison Ave, Chicago 18, Ill	WO6-4866
Ill	Essex Wire Corp	411 S. Peoria St, Chicago, Ill	WO6-4866
Mich	Essex Wire Corp	170 E. South St, Hillsdale, Mich	HE7-3376
Minn	Essex Wire Corp	3230 E. Hennepin, Minneapolis 13, Minn	FE9-8561
Mo	Essex Wire Corp	2000 Forest Ave, Kansas City 8, Mo	HA1-1955
Neb	Essex Wire Corp	320 WOW Bldg, Omaha, Neb	AT7280
NJ	Essex Wire Corp	457 Frelinghuysen Ave, Newark, NJ	BI8-4040
NY	Essex Wire Corp	15 Warrington Dr, Rochester 18, NY	BR1-9976
Ohio	Essex Wire Corp	410 W. First St, Dayton 2, Ohio	BA2-6383
Pa	Essex Wire Corp	6816 Market St, Upper Darby, Phila, Pa	SH7-0600
Pa	Essex Wire Corp	3330 Forbes Ave, Pittsburgh, Pa	MU2-7551
Wash	Essex Wire Corp	11009 Evanston Ave, Seattle 33, Wash	EM0956
Foreign	Lionel-Essex Intl Corp	15 E. 26th St, New York, NY	MU5-1308
	CORNELL-DUBILIER ELECTRIC CORP	**S. Plainfield, NJ**	**PL6-9000**
Cal	Garland-Affolter	58 Sutter St, San Francisco, Cal	EX7-1800
Cal	Cornell-Dubilier Electric	4144 Glencoe Ave, Venice, Cal	UP0-6681
Cal	Moulthrop & Hunter	165 Eleventh St, San Francisco 3, Cal	HE1-2625
Cal	W Bert Knight Co	10377 W. Pico Blvd, Los Angeles, Cal	BR2-0101
Colo	Gordon Moss Electronics inc	1530 - 13th Ave, Greeley, Colo	EL3-1452
Conn	Abbett & Hustis	P.O.Box 52, Ridgefield, Conn	IO8-3200
Fla	James Millar Associates	241 Dommerich Dr, Maitland, Fla	MM-0390
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Ill	Cornell-Dubilier	5247 W. Diversey Ave, Chicago 39, Ill	BE7-6842
Ind	MacNabb, Schroeder & Loomis	820 E. 64th St, Indianapolis, Ind	CL5-6770
Ind	John F Kilfoil	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Md	Nelson-Platt Sales Co	Ligon Rd, Ellicott City, Md	EL1110
Mass	Abbett & Hustis	P.O.Box 293, Needham 92, Mass	HI4-5470
Mass	Cornell-Dubilier	921 Providence Hwy, Norwood, Mass	NO7-5333
Mass	Cornell-Dubilier	1605 E. Rodney French Blvd, New Bedford, Mass	
Mich	Lee & Hale Co	10432 W. McNichols, Detroit 21, Mich	UN3-4161
Mich	Tant Enterprises	16254 Meyers Rd, Detroit 35, Mich	UN4-0738
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-6457
Mo	McDowell-Redlingshafer	3615 Olive St, St. Louis, Mo	JE3-3277
Mo	McDowell-Redlingshafer	1108 E. Armour, Kansas City, Mo	WE1-5622
NH	Consolidated Engrg Service Co	Amherst, NH	MI925
NJ	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
NY	Cornell-Dubilier	419 Brandon Rd, Rochester 22, NY	
NY	L Alexander	322 W. 72nd St, New York 23, NY	EN2-1781
NY	F Neuberth	36 Hazelton Dr, White Plains, NY	WH9-7084
NY	G Uzmann	15 Pembroke Ct, Rockville Centre, NY	RO6-3859
NY	R W Mitscher Sales Co	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NC	James Millar Associates	4023 Arbonway, Charlotte, NC	EM6-2061
NC	Cornell-Dubilier	2652 Dairymple St, Sanford, NC	SP4-7811
Ohio	John F Kilfoil	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Ohio	Fred J Hecht	1832 Wendell Ave, Lima, Ohio	LI9-4378
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Ohio	Neal Bear Corp	2801 Far Hills Ave, Dayton 19, Ohio	AX9-8566
Pa	Cornell-Dubilier	P.O.Box 1092, York, Pa	YO3-3665
Pa	Cornell-Dubilier	P.O.Box 428, Lansdale, Pa	UL5-1241
Pa	Neal Bear Corp	1974 Gregory Ave, Monroeville, Pa	VA3-5117
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Wash	Northwestern Agencies	4130 First Ave, S., Seattle, Wash	EL8882
	CORNING GLASS WORKS, ELECTRONIC PRODUCTS DIV	**550 High St, Bradford, Pa**	**FO3-8571**
Ariz	Radio Specialties & Appliance Corp	Phoenix, Ariz	
Cal	Corning Glass Works	420 S. Euclid Ave, Anaheim, Cal	HU2-5400
Cal	Corning Glass Works	1355 Market St, San Francisco 3, Cal	MA1-9621
Colo	Denver Electronic Supply Co	Denver, Colo	
DC	Corning Glass Works	711 14th St, N.W., Wash 5, DC	EX3-5577
Fla	Electronic Supply Co	Melbourne, Fla	
Ga	Corning Glass Works	1401 Peachtree St, N.E., Atlanta 9, Ga	TR6-5936
Ill	Corning Glass Works	Merchandise Mart, Chicago 54, Ill	DE7-6600
Ind	Fort Wayne Electronics Supply	Fort Wayne, Ind	
Iowa	Deeco Inc	Cedar Rapids, Iowa	
La	Electronic Parts Corp	New Orleans, La	
Md	Kann-Ellert Electronics Inc	Baltimore, Md	
Mass	Cramer Electronics Inc	Boston, Mass	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	Ferguson Electronic Supply Co	Detroit, Mich	
Minn	Stark Radio Supply Co	St. Paul, Minn	
NJ	General Radio Supply Co	Camden, NJ	
NM	Radio Specialties Co., Inc	Alamogordo, NM	
NY	Corning Glass Works	717 Fifth Ave, New York 22, NY	PL2-1100
NY	Corning Glass Works	Corning, NY	CO2-5011
NC	Dalton-Hege Radio Supply Co	Winston-Salem, NC	
Ohio	Sun Radio Co., The	Akron, Ohio	
Okla	Oil Capitol Electronics Corp	Tulsa, Okla	
Ore	United Radio Supply Inc	Portland, Ore	
Tenn	Electra Distributing Corp	Nashville, Tenn	
Tex	Corning Glass Works	3202 Weslayan St, Houston 27, Tex	MO5-7284
Tex	Corning Glass Works	905 Southland Center, Dallas 1, Tex	RI8-2436
Utah	Kimball Distributors	350 Pierpont Ave, Salt Lake City 1, Utah	
Va	Priest Electronics Inc	Norfolk, Va	
Wash	Seattle Radio Supply Inc	Seattle, Wash	
	CORNISH WIRE CO	**50 Church St, New York 7, NY**	
	CORNWELL ELECTRONICS CORP	**84 S. Water St, Byram, Conn**	**JE1-6800**
	CORRUGATED PAPER PRODUCTS INC	**2233 Utica Ave, Brooklyn 34, NY**	**ES7-6112**
	CORRY JAMESTOWN CORP	**41 N. Center St, Corry, Pa**	**CO2-8221**
Cal	Corry Jamestown Corp	P. O. Box 7063, Oakland, Cal	KE3-0477
Colo	Corry Jamestown Corp	1448 Onieda St, Denver, Colo	FR7-4327
Ga	Corry Jamestown Corp	3160 Merrick Dr, N.E., Atlanta, Ga	CE3-6189
Ill	Corry Jamestown Corp	1425 Merchandise Mart, Chicago, Ill	MI2-7313
Mass	Corry Jamestown Corp	211 Congress St, Boston, Mass	HA6-9788
Mich	Corry Jamestown Corp	P. O. Box 185, Bummgham, Mich	MI6-4454
Minn	Corry Jamestown Corp	2317 Texas Ave, S., Minneapolis 26	LI5-2411
Mo	Corry Jamestown Corp	1407 Grand Ave, Kansas City, Mo	GR1-6201
NY	Corry Jamestown Corp	750 3rd Ave, New York, NY	YU6-9840
Pa	Corry Jamestown Corp	123 S. Broad St, Philadelphia, Pa	PE5-5521
Tex	Corry Jamestown Corp	505 Lincolnshire Dr, Dallas, Tex	BL3-8874
Wash	Corry Jamestown Corp	1455 Moorlands Dr, Tacoma, Wash	SK2-0268
Foreign	Corry Jamestown Corp	1505 Race St, Philadelphia, Pa	LO4-4020
	CORSON ELECTRIC MFG CORP	**540 39th St, Union City, NJ**	**UN6-4227**
Cal	Thomas L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	OS9-1419
Mass	Goode Associates	P.O. Box 176, Wellesley Hills 81, Mass	CE5-0552
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
	CORTLAND INDUSTRIES INC	**4545 Cortland St, Chicago 39, Ill**	
Kan	Bob Klorer	7500 Natl Bridge Rd, St. Louis, Mo	EV1-6530
Ky	R A Staff Co	1213 W. 3rd St, Cleveland 13, Ohio	MA1-4063
Mass	Tenico Inc	10 Tanner St, Haddonfield, NJ	HA8-4400
Mich	J C Sales Co	215 W. First St, Flint, Mich	CE5-0825
Mo	Bob Klorer	7500 Natl Bridge Rd, St. Louis, Mo	EV1-6530
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore 23, NY	DE0484
	CORY CORP	**3208 W. Peterson, Chicago 45, Ill**	**IN3-1700**
	COSA CORP	**405 Lexington Ave, New York 17, NY**	**YU6-8696**
Ariz	W F Wolf Machinery Co	2910 Santa Fe Ave, Los Angeles, Cal	LU2-6236
Cal	W F Wolf Machinery Co	2910 Santa Fe Ave, Los Angeles, Cal	LU2-6236
Conn	Cosa Corp of Conn	58 Jeffrey Ln, Meriden, Conn	BE7-6878
De	Ralph Gentile	50 Sherbrooke Rd, Trenton, NJ	TU2-5413
DC	Wm E Summerbell Co	DuPont Circle Bldg, Wash 6, DC	HU3-3354
Ill	Machinery Intl Inc	315 S. Green St, Chicago, Ill	FR2-2949
Ind	The Laidlaw Co	11 W. 17 St, Indianapolis 2, Ind	WA3-7251
Iowa	Machinery Intl Inc	315 S. Green St, Chicago, Ill	FR2-2949
Kan	Hoey Luce Machinery Co	1629 E. Douglas St, Wichita, Kan	AM2-6572
Ky	Cosa Corp of Ohio	307 E. 4 St, Cincinnati, Ohio	GA1-0400
Me	Cosa Corp-New England	Box 727, Walpole, NH	SK6-3222
Md	Wm E Summerbell Co	Dupont Circle Bldg, Wash 6, DC	HU3-3354
Mass	Cosa Corp-New England	Box 727, Walpole, NH	SK6-3222
Mich	Cosa Corp-Detroit	17605 James Couzens, Detroit, Mich	UN4-8312
Minn	Martin Machine Tool Co	2817 Hennepin Ave, Minnpls 8, Minn	TA7-4703
Mo	Hoey Luce Machinery Co	1818 Main St, Kansas City 8, Mo	HA1-9906
Nev	Merryweather/Strasmann Machy Corp	600 S. Bayshore Frwy, San Mateo, Cal	DI4-6464
NH	Cosa Corp-New England	Box 727, Walpole, NH	SK6-3222
NJ	Al Lambert	28 Ravensharst Ave, Staten Island, NY	GI2-1941
NY	Charles Burke	E. Lake Rd, RD 3, Skaneateles, NY	OV5-7185
NY	James McDonough	11 Grayley Pl, Huntington Sta, NY	HA7-4305
NC	Wm E Summerbell Co	Dupont Circle Bldg, Wash 6, DC	HU3-3354
Ohio	Cosa Corp-Ohio	3315 Brookpark Blvd, Cleveland, Ohio	SH9-2115
Ore	Harry M Euler Co	2811 N.E. Gilsan St, Portland 12	BE6-4513
Pa	Ralph Gentile	50 Sherbrooke Rd, Trenton, NJ	TU2-5413
RI	Cosa Corp-New England	Box 727, Walpole, NH	SK6-3222
Utah	Todd Machinery Co	140 W. 2nd S., Salt Lake City, Utah	DA2-4663
Vt	Cosa Corp-New England	Box 727, Walpole, NH	SK6-3222
Va	William E Summerbell Co	Dupont Circle Bldg, Wash 6, DC	HU3-3354
Wash	Tyee Machinery Co	1924 1st Ave, S., Seattle 4	MU2-5881
Wisc	Machinery International	350 S. Green St, Chicago, Ill	FR2-2949
	COSMIC INSTRUMENTS INC	**1028 Conn Ave, N.W., Washington DC**	**ME8-2620**
	COSMIC RADIO CORP	**853 Whittier St, New York 59, NY**	
	COSMO PLASTICS CO	**3239 W. 14 St, Cleveland, Ohio**	**TO1-3596**
Ala	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Ariz	Electrical Specialty Co	Box 232, Phoenix, Ariz	
Ark	Chester S Butt	Box 8213, Houston 4, Tex	WA6-7493
Cal	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	R H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Del	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
DC	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
Fla	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Ga	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Idaho	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Il	Arthur J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Ind	Arthur J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
La	Chester S Butt	Box 8213, Houston 4, Tex	WA6-7493
Me	R H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Md	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
Mass	R H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	Gitre Co., Inc	12909 W. 8 Mile Rd, Detroit 35, Mich	DI1-9720
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Mo	Hippler Sales Co	1135 Cheshire Ln, Webster Groves 19, Mo	WO1-8499
Mont	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Neb	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Nev	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
NH	R H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
NJ	The Reed & Riddett Co	1106 Jericho Tmpk, New Hyde Park, NY	FL4-6719
NJ	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
NY	Reed & Riddett Co	1106 Jericho Tmpk, New Hyde Park, NY	FL4-6719
NY	G J Andres	Box 3803, Brighton Sta, Rochester, NY	BR1-2200
NC	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Ohio	George L Herrick Co	15326 Lorain Ave, Cleveland, Ohio	WI1-4406
Okla	Chester S Butt	Box 8213, Houston 4, Tex	WA6-7493
Ore	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	
Pa	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
RI	R H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
SC	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tenn	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Tex	Chester S Butt	Box 8213, Houston 4, Tex	WA6-7493
Utah	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Vt	R H Whitfield St Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Va	John J Nolan & Associates	314 W. Sparks St, Philadelphia, Pa	WA4-1595
Wash	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	
Wisc	Arthur J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Wyo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Canada	Alec W Andrews	1239 Tecumseh Pk, Port Credit, Ont, Can	EM6-0787
	COSTELOW CO., INC	**125 Kansas Ave, Topeka, Kan**	**CE3-6598**
	COTO-COIL CO., INC	**65 Pavilion Ave, Providence 5, RI**	**WI1-3355**
	COTTRELL PAPER CO., INC	**10 Purchase St, Fall River, Mass**	**OS3-1191**
	COUCH ORDINANCE INC RELAY DIV	**3 Arlington St, North Quincy, Mass**	**BL8-4147**
Ala	Roy Attaway Co	912 B Wallace Ave, S.W., Huntsville	JE2-2811
Ariz	Garnett Young & Co	345 E. Pasadena, Phoenix, Ariz	BR5-7526
Cal	Garnett Young & Co	3775 S. Broadway, Los Angeles, Cal	AD1-4337
Cal	Garnett Young & Co	390 Fourth St, San Francisco, Cal	DO2-4220
Colo	Allen I Williams Co	124 W. 12th St, Denver 4, Colo	MA3-0343
Conn	Connecticut Valley Enterprises Inc	P.O. Box 188, Essex, Conn	JO7-1128
Fla	Roy Attaway Co	7703 Meadowglen Dr, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	1635 Heather Wood Dr, Decatur, Ga	MG4-8983
Ill	Airborne Sales	6835 W. Higgins Ave, Chicago 31, Ill	RO3-1844
Minn	Hamilton & Boyle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	Pem Sales Co	8618 Brookshire Ln, University City	WY1-1539
NM	Allen I Williams Co	3221 Silver, S.E., Albuquerque, NM	5-9632
Ohio	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights 18, Ohio	ER1-4484
Ohio	Robert R Stone & Associates	384 W. First St, Dayton 2, Ohio	BA4-7282
Ore	Garnett Young & Co	1238 N.W. Glison St, Portland 9, Ore	CA7-2300
Pa	Technicraft	6222 Ridge Ave, Philadelphia 29, Pa	IV2-2323
Pa	Robert B Stone & Associates	239 Fourth Ave, Pittsburgh 22, Pa	CO1-3870
Wash	Garnett Young & Co	1928 First Ave, S., Seattle 4, Wash	EL1-0123
Canada	Leonard Electric Limited	346 Bering Ave, Toronto 18, Canada	BE1-2731
Sweden	Bo Pamblad Aktiebolag	Hornsgatan 58, Stockholm	Ex44-92-95
	COX & CO., INC	**115 E. 23rd St, New York 10, NY**	**OR4-4727**
Ariz	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	ST7-9603
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	ST7-9603
Colo	Associated Industries Inc	455 S. Washington, Wichita 2, Kan	HO4-0391
Conn	R W Ayer	Cold Spring Harbor, NY	HA6-0541 MY2-6375
Del	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Ind	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Iowa	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Kan	Associated Industries Inc	455 S. Washington, Wichita 2, Kan	HO4-0391
Me	R W Ayer	Cold Spring Harbor, NY	HA6-0541 MY2-6375
Md	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Mass	R W Ayer	Cold Spring Harbor, NY	HA6-0541 MY2-6375
Mich	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Minn	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Mo	Associated Industries	455 S. Washington, Wichita 2, Kan	HO4-0391
NH	R W Ayer	Cold Spring Harbor, NY	HA6-0541 MY2-6375
NJ	L C Sanford	202 Woodland Ave, Rutherford, NJ	WE9-0979
NJ	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
NY	L C Sanford	202 Woodland Ave, Rutherford, NJ	WE9-0979
NY	R W Ayer	Cold Spring Harbor, NY	MY2-6375
NY	Lenard Co	132 Burnet Ave, Syracuse 3, NY	GR9-9191
Ore	Associated Industries	1752 Rainier Ave, Seattle, Wash	EA5-4400
Pa	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
RI	R W Ayer	Cold Spring Harbor, NY	MY2-6375
Tex	Associated Industries	455 S. Washington, Wichita 2, Kan	HO4-0391
Vt	R W Ayer	Cold Spring Harbor, NY	MY2-6375
Wash	Associated Industries	1752 Rainier Ave, Seattle, Wash	EA5-4400
Wisc	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
	COX MFG CO	**807 Fredericksburg, San Antonio 1, Tex**	**PE2-7081**
	CRAFTINT MFG CO	**1615 Collamer Ave, Cleveland 10, Ohio**	**GL1-1225**
Ill	Craftint Mfg Co	325 W. Ohio St, Chicago 10, Ill	WH4-4155
NY	Craftint Mfg Co	50-18 Vernon Blvd, Long Island City	ST4-7045
	CRAFTSMAN CASES	**285 Joy St, Brooklyn 1, NY**	**MA5-3344**
	CRAIG SYSTEMS INC	**360 Merrimack, Lawrence, Mass**	**MU8-6961**
Cal	John Croft	6214 W. Manchester Ave, Los Angeles 45	SP6-0025
DC	Michael J MacDonald	1028 Conn Ave, N.W., Wash DC	DI7-1575
Tex	Walter Bigger	6300 N. Central Expwy, Dallas	EM1-5522
	CRAMER CONTROLS CORP	**Box 13, Centerbrook, Conn**	**SO7-8255**
Ala	Allen C Craft Jr	3130 Maple Dr, N.E. Atlanta, Ga	CE3-9944
Ariz	Cramer Controls Corp	13113 Ventura Blvd, Studio City, Cal	TR3-4865

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ark	Engineered Instrument Sales	P.O. Box 9947, Memphis 12, Tenn	FA3-1275
Cal	Cramer Controls Corp	13113 Ventura Blvd, Studio City, Cal	TR3-4865
Colo	Allen I Williams Co	2261-2263 S. Albion St, Denver 22, Colo	SK6-9043
Del	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR8-6400
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Ludlum Associates Co	4471 N. West 36th St, Miami Springs, Fla	TU5-3611
Ga	Allen C Craft Jr	3130 Maple Dr, N.E. Atlanta, Ga	CE3-9944
Idaho	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Idaho	Allen I Williams Co	2261-2263 S. Albion St, Denver 22, Colo	SK6-9043
Il	Cramer Controls Corp	6120 W. North Ave, Chicago 39, Ill	ME7-7502
Ind	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	A-2083
Iowa	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Kan	Norman W Kathrinus & Co	4306 Cambridge Ave, Kansas City, Kan	JO2-4208
Ky	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	A-2083
La	Mid-South Sales Co., Inc	4424-B Earhart Blvd, New Orleans, La	TU4684
Me	Cramer Controls Corp	30 Park Ave, Arlington, Mass	MI8-1266
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Cramer Controls Corp	30 Park Ave, Arlington, Mass	MI8-1266
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Robert W Marshall	6106 Excelsior Blvd, Minneapolis, Minn	WE9-6444
Miss	Engineered Instrument Sales Co	P.O. Box 9947, Memphis 12, Tenn	FA3-1275
Miss	Mid-South Sales Co., Inc	4424-B Earhart Blvd, New Orleans, La	TU4684
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Neb	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Neb	Allen I Williams Co	2261-2263 S. Albion St, Denver 22, Colo	SK6-9043
Nev	Western Electro-Mechanical Co	300 Broadway, Oakland 7, Cal	GL2-1936
NH	Cramer Controls Corp	30 Park Ave, Arlington, Mass	MI8-1266
NJ	Cramer Controls Corp	35 Liberty Rd, Bergenfield, NJ	DU4-8585
NM	Allen I Williams Co	3221 Silver Ave, S.E. Albuquerque, NM	AL5-9632
NY	Cramer Controls Corp	35 Liberty Rd, Bergenfield, NJ	DU4-8585
NC	Mid-South Sales Co., Inc	4424-B Earhart Blvd, New Orleans, La	TU4684
ND	Robert W Marshall	6106 Excelsior Blvd, Minneapolis, Minn	WE9-6444
Ohio	McMay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
Ohio	Martin-Rettger Inc	11955 Shaker Blvd, Cleveland 20, Ohio	SW1-8787
Okla	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Ore	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Pa	Walter N Laska	530 6th Ave, Pittsburgh 19, Pa	GR1-0490
Pa	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR8-6400
SC	Mid-South Sales Co., Inc	4424-B Earhart Blvd, New Orleans, La	TU4684
SD	Robert W Marshall	6106 Excelsior Blvd, Minneapolis, Minn	WE9-6444
Tenn	Engineered Instrument Sales Co	P.O. Box 9947, Memphis 12, Tenn	FA3-1275
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Utah	Allen I Williams Co	320 E. 4th S. St, Salt Lake City, Utah	EM4-6844
Vt	Cramer Controls Corp	30 Park Ave, Arlington, Mass	MI8-1266
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
W. Va	Walter N Laska	530 6th Ave, Pittsburgh 19, Pa	GR1-0490
Wisc	Gordon Hatch Co., Inc	531 W. Wisconsin Ave, Milwaukee, Wisc	BR1-3021
Wyo	Allen I Williams Co	2261-2263 S. Albion St, Denver 22, Colo	SK6-9043
Foreign	Clark Wright Corp	2311 Whitney Ave, New Haven, Conn	AT8-1638
Canada	Power Service Products	618 Vaughan Rd, Toronto 10, Ont, Canada	RU1-3447
Canada	Pacific Controls Ltd	1042 Davie St, Vancouver 5, B C, Canada	MU3-6821
	CRAMER POSTURE CHAIR CO	**1205 Charlotte St, Kansas City 6, Mo**	
	CRANE ELECTRONICS CO	**4345 Hollister Ave, Santa Barbara, Cal**	**WO7-1193**
	CRANE PACKING CO	**6402 Oakton St, Morton Grove, Ill**	**OR4-0100**
	CRATEX MFG CO., INC	**1600 Rollins Rd, Burlingame, Cal**	**OX7-1600**
Ariz	Federated Sales Co	5921 N. Temple City Blvd, Temple City, Cal	AT6-4136
Cal	Federated Sales Co	5921 N. Temple City Blvd, Temple City	AT6-4136
Conn	Smith & Klebes Inc	25 Eggelow St, New Britain, Conn	BA9-0315
Ill	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Ind	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Iowa	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Kan	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Me	John R Parry Inc	135 Pearl St, Boston, Mass	LI2-5180
Mass	John R Parry Inc	135 Pearl St, Boston, Mass	LI2-5180
Mich	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Minn	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Mo	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
Neb	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
NH	John R Parry Inc	135 Pearl St, Boston, Mass	LI2-5180
NJ	Precision Supply Inc	292 Belmont Ave, Paterson, NJ	LA5-7922
NY	Precision Supply Inc	292 Belmont Ave, Paterson, NJ	LA5-7922
Wisc	Doxod Inc	3756 W. Devon Ave, Chicago 45, Ill	DR3-5490
	CRESCENT ENGINEERING & RESEARCH CO	**5440 N. Peck Rd, El Monte, Cal**	**GI4-8528**
Ala	E C Raymund & Associates	Madiera Beach, Fla	WA1-9735
Ariz	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
Conn	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Del	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
DC	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Fla	E C Raymund & Associates	Madiera Beach, Fla	WA1-9735
Ga	E C Raymund & Associates	Madiera Beach, Fla	WA1-9735
Idaho	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
Ind	Custom Engineering	2975 Far Hills, Dayton 19, Ohio	AX8-5246
Ky	Custom Engineering	2975 Far Hills, Dayton 19, Ohio	AX8-5246
Me	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Md	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Mass	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Mich	Hector DeBrabant	522 S. Wilson, Royal Oak, Mich	LI8-4190
Mont	Avionics Liaison Inc	Boeing Field, Seattle, Wash	PA3-7602
NH	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
NJ	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
NM	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
NY	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
NC	E C Raymund & Associates	Madiera Beach, Fla	WA1-9735
Ohio	Custom Engineering	2975 Far Hills, Dayton 19, Ohio	AX8-5246
Ore	Avionics Liaison Inc	Boeing Field, Seattle, Wash	PA3-7602
Pa	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
RI	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
SC	E C Raymund & Associates	Madiera Beach, Fla	WA1-9735
Tex	R A Mayes Co	Box 3344, El Paso, Tex	LY8-2982
Utah	Avionics Liaison Inc	Boeing Field, Seattle, Wash	PA3-7602
Vt	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Va	Brierley, Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Wash	Avionics Liaison Inc	Boeing Field, Seattle, Wash	PA3-7602

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Canada	Electrodesign	738 Notre Dame St, W., Montreal, Canada	UN6-7367
	CREST TRANSFORMER CORP	**1834-36 W. North Ave, Chicago 22, Ill**	**EV4-1600**
	CRITTENDEN TRANSFORMER WORKS INC	**13011 S. Spring St, Los Angeles 61, Cal**	**FA1-4355**
	CROMPTON & KNOWLES PKG CORP	**Berkshire St, Holyoke, Mass**	**JE4-5681**
Cal	Sumner E Perkins Co	1605 Solano Ave, Berkley 7	LA6-7319
Conn	Crompton & Knowles	180 East St, Westport	CA7-0719
Fla	L F Shattuck Co	622 7th St, N.E., Winter Haven	CY3-5458
Ga	L F Shattuck Co	877 Kipling Dr, N.W., Atlanta	TR4-1936
Ill	Crompton & Knowles	5103 N. Harlem Ave, Chicago 31	SP4-0511
NJ	Crompton & Knowles	37 Elm St, Westfield	AD2-9119
Ohio	Lake Indl Products Co	P. O. Box 144, Chagrin Falls	CH7-7301
Tex	Crompton & Knowles	3038 Rotan Ln, Dallas 29	EM8-5644
Wash	Charles Indl Sales Co	5201 First Ave, S., Seattle 8	PA3-6010
Canada	Packaging Equip Service Ltd	124 Willowdale St, Willowdale, Tor, Canada	BA1-3464
Canada	Packaging Equip Service Ltd	823 Mayrand St, Montreal, Que, Canada	RE9-6621
	CRONAME INC	**6201 Howard St, Chicago 48, Ill**	**SP4-2100**
Cal	J T Rietz	Box 768, Hollywood 28	NO1-4300
Conn	Wm T Kelly & Co	77 Lovett St, Beverly, Mass	WA2-0065
Del	M W Nosek	Box 238, Chalfont, Pa	TU7-7294
DC	M W Nosek	Box 238, Chalfont, Pa	TU7-7294
Ind	H R Whitacre	6101 College Ave, Indianapolis 20	CL5-5996
Iowa	R D Lee	3923 Terrace Hills Dr, Cedar Rapids	EM3-7247
Md	M W Nosek	Box 235, Chalfont, Pa	TU7-7294
Mass	Wm T Kelly & Co	77 Lovett St, Beverly	WA2-0065
Mich	King Sales Associates	10623 Puritan Ave, Detroit 38	UN1-8801
Minn	The Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Mo	M C Whitacre	10241 Viscount Dr, St. Louis 36	UN8-8500
NH	Wm T Kelly & Co	77 Lovett St, Beverly, Mass	WA2-0065
NJ	J O Smith	P. O. Box 504, Short Hills, NJ	DR6-0666
NY	J O Smith	Box 504, Short Hills, NJ	DR6-0666
NY	W L Rayner	Box 243, Dewitt 14, NY	GI6-0133
Ohio	R L Dallanan	3258 Campus Dr, Dayton 6	CR5-9028
Ohio	G O Buffington	1154 Hanna Bldg, Cleveland 15	CH1-0960
Ore	Croname Inc	6201 Howard St, Chicago 48, Niles, Ill	NI7-6100
Pa	M W Nosek	Box 235, Chalfont, Pa	VA2-0521
Pa	G O Buffington	1154 Hanna Bldg, Cleveland 15, Ohio	CH1-0960
RI	Wm T Kelly & Co	77 Lovett St, Beverly, Mass	WA2-0065
Va	M W Nosek	P. O. Box 235, Chalfont, Pa	VA2-0521
Canada	Croname (Canada) Ltd	Waterloo, Quebec, Canada	245
	CROSBY-TELETRONICS CORP	**54 Kinkel St, Westbury, NY**	
Ariz	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-1195
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39	NO5-1195
Cal	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Conn	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
DC	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DI7-0990
Me	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
Md	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DI7-0990
Mass	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
Mich	Electro Mec Associates	4012 E. Nine Mile Rd, Warren, Mich	JE6-1000
Nev	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-1195
NH	Richard F MacDowell Co., Inc	Box 102, Melrose76, Mass	NO5-8893
NJ	George F Landfear	P. O. Box 68, Nutley 10, NJ	NO7-2900
NM	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-1195
NY	George F Landfear	P. O. Box 68, Nutley 10, NJ	BR9-2855
Ore	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	
RI	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	
Vt	Richard F Macdowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
Va	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DI7-0990
Wash	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
	CROSS CO., H	**15 Beekman St, New York 38, NY**	
	CROVEN LTD	**500 Beech St, Whitby, Ont, Canada**	**MO8-3325**
Cal	J T Hill Co	420 S. Pine St, San Gabriel	AT7-9633
Ga	J E Jotner & Associates	Box 10821, Sta A, Atlanta	PL5-4336
Ill	W G Brovillette & Associates	1558 Newcastle Ave, Westchester	FI5-6500
Mass	George J Neuman & Co	104 Pilgrim Rd, Wellesley	CE5-5353
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City	UN7-3204
Pa	W R Griffin Co	Rotelle Bldg, Spring House	MI6-8383
Va	Ovenaire Inc	1127 E. Market St, Charlottesville	3-5148
Canada	Ben Manis Associates	5317 Prince of Wales Ave, Montreal, Can	HU6-1571
Canada	Pacific Electronics Co Ltd	1641 W. 2nd Ave, Vancouver, Canada	RE1-8131
	CROWN CONTROLS CO., INC	**40 S. Washington St, New Bremen, Ohio**	**2311**
	CROWN INDUSTRIAL PRODS CO	**713 Amsterdam St, Woodstock, Ill**	**1900**
	CROWN INTERNATIONAL DIV INT RAD & EL CORP	**Box 261, Elkhart, Ind**	**JA2-8583**
Ala	Robert White	20 S. Dearborn, Chicago, Ill	
Ariz	Robert White	20 S. Dearborn, Chicago, Ill	
Ark	Robert White	20 S. Dearborn St, Chicago 3, Ill	
Cal	B & H Enterprises	1422 N. Central Ave, Modesto, Cal	KE7-4723
Cal	J R Coleman & Associates	2015-2016 W. McFadden Ave, Santa Ana, Cal	
Colo	Robert White	20 S. Dearborn St, Chicago 3, Ill	KE7-4723
Conn	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Del	Metrorep	Box 162, Teaneck, NJ	TE6-3474
DC	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Fla	Ted Sharaf	910 Van Buren St, Hollywood, Fla	WA2-4430
Ga	Robert White	20 S. Dearborn, Chicago, Ill	
Idaho	Robert White	20 S. Dearborn, Chicago, Ill	
Ill	John Gill	8805 S. Euclid, Chicago, Ill	BA1-4648
Ind	Cecil Baatz	3535 Horner Dr, Indianapolis, Ind	UN2-4717
Iowa	Robert White	20 S. Dearborn, Chicago, Ill	
Kan	Robert White	20 S. Dearborn, Chicago, Ill	
Ky	Cecil Baatz	3535 Horner Dr, Indianapolis, Ind	UN2-4717
La	Robert White	20 S. Dearborn, Ill	
Md	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Mass	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Me	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Mich	Paul Wilson	15506 Turney, Maple Hghts 37, Ohio	MO2-3280
Minn	Robert White	20 S. Dearborn, Chicago, Ill	
Miss	Robert White	20 S. Dearborn, Chicago, Ill	
Mo	Robert White	20 S. Dearborn, Chicago, Ill	
Mont	Robert White	20 S. Dearborn, Chicago, Ill	
Neb	Robert White	20 S. Dearborn, Chicago, Ill	
Nev	Robert White	20 S. Dearborn, Chicago, Ill	
NH	Metrorep	Box 162, Teaneck, NJ	TE6-3474
NJ	Metrorep	Box 162, Teaneck, NJ	TE6-3474
NM	Robert White	20 S. Dearborn, Chicago, Ill	
NY	Metrorep	Box 162, Teaneck, NJ	TE6-3474
ND	Robert White	20 S. Dearborn, Chicago, Ill	
Ohio	Paul Wilson	15506 Turney, Maple Hghts 37, Ohio	MO2-3280
Okla	Robert White	20 S. Dearborn, Chicago, Ill	
Ore	Robert White	20 S. Dearborn, Chicago, Ill	
Pa	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Pa	Paul Wilson	15506 Turney, Maple Hghts 37, Ohio	MO2-3280
RI	Metrorep	Box 162, Teaneck, NJ	TE6-3474
SD	Robert White	20 S. Dearborn, Chicago, Ill	
Tenn	Robert White	20 S. Dearborn, Chicago, Ill	
Utah	Robert White	20 S. Dearborn, Chicago, Ill	
Vt	Metrorep	Box 162, Teaneck, NJ	TE6-3474
Wash	Robert White	20 S. Dearborn, Chicago, Ill	
W. Va	Paul Wilson	15506 Turney, Maple Hghts 37, Ohio	MO2-3280
Wyo	Robert White	20 S. Dearborn, Chicago, Ill	
Foreign	Niles Christensen	Box 728, Summit, NJ	CR3-3833
	CROWN METAL PRODUCTS	**Box 38, Wyoma, Pa**	**WE1550**
Ala	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Colo	George Hamburger	1253 Pearl St, Denver, Colo	
Conn	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
Del	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
DC	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
Fla	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Ga	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Idaho	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AL6470
Ill	Langhaus-Levy Associates	5317 Cottage Grove Ave, Chicago, Ill	DO3-5344
Iowa	Clyde H Schryver	711 VFW Bldg, Kansas City, Mo	LO1-0772
Kan	Clyde H Schryver	711 VFW Bldg, Kansas City, Mo	LO1-0772
Me	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
Md	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
Mass	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
Minn	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Miss	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Mo	Clyde Schryver	711 VFW Bldg, Kansas City, Mo	LO1-0772
Mont	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AL6470
Neb	Clyde Schryver	711 VFW Bldg, Kansas City, Mo	LO1-0772
NH	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NJ	Jack M Gutzeit	75-02 168th St, Flushing 66, NY	OL8-4385
NY	Jack M Gutzeit	75-02 168th St, Flushing 66, NY	OL8-4385
NC	Murphy & Cota	2110 Peachtree St, Atlanta, Ga	TR6-3020
ND	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Ore	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AL6470
Pa	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
RI	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
SC	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
SD	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Tenn	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Vt	Frank S Maher	106 Woodlawn St, W. Hartford, Conn	AD2-0119
Wash	Jas J Backer Co	221 W. Galer St, Seattle, Wash	AL6470
Wisc	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-3298
Foreign	Cooperweld Intl Steel Co	225 Broadway, New York, NY	BE3-5600
	CROWN TOOL INC	**Hwy 15, Wabash, Ind**	**1105**
	CRUCIBLE STEEL CO OF AMERICA	**Henry W Oliver Bldg, Pittsburgh 30, Pa**	**AT1-3800**
Cal	L J Himelson	6033 E. Bandini Blvd, Los Angeles 22	RA3-4821
Cal	K M Acton	2050 Bryant St, San Francisco 10, Cal	AT2-8011
Colo	R L Stark	6301 Colorado Blvd, Denver 16, Colo	AT8-2655
Conn	W B Learned	285 State St, North Haven, Conn	AT8-2581
Fla	T J Wood	2891 N.W. 75th St, Miami 47, Fla	OX1-8940
Fla	W A Morgan	U S Naval Res Facilities, Tampa	TA4-5039
Ga	A B Wells	3400 Malone Dr, Chamblee, Ga	GL7-6341
Ill	D K Stuart	4501-4531 W. Cortland St, Chicago 39, Ill	SP2-0300
Ill	Norman T Race	2500 N. Main St, Rockford, Ill	RO5-8695
Ind	R L Robertson	105 S. Keystone Ave, Indianapolis 1, Ind	ME8-4501
Md	R G Frederick	1503 Mercantile Trust Bldg, Baltimore	MU5-2100
Mass	B Reese	Waltham Ind Center, Boston	PL2-3320
Mass	E M Murphy	116 Liberty St, Springfield 3, Mass	RE2-5158
Mich	Ward Jenks	4920 E. Navada Ave, Detroit 34, Mich	FO6-4400
Mich	V G Goodell	4000 Eastern Ave, S.E., Grand Rapids	CH5-1185
Mo	J J Wycall	8610 Page Blvd, St. Louis	HA9-4400
NJ	W E Gardner	P.O. Box 556, West Caldwell, NJ	CA6-9300
NY	C J Glassman	2051 Elmwood Ave, Buffalo, NY	EN9141
NY	D F Hall	320 Pennsylvania Ave, Mineola, NY	PI1-8550
NY	E W Sparkes	P.O. Box 662, Syracuse, NY	HE7-8391
NC	E N Dietler	3162 Cullman Ave, Charlotte 5, NC	FR7-1558
Ohio	Crucible Steel Co of America	4 N. Main St, Dayton 2, Ohio	BA8-1182
Ohio	Crucible Steel Co of America	3303 South Ave, Toledo 9, Ohio	EV2-5678
Ohio	Crucible Steel Co of America	2900 Spring Grove Ave, Cincinnati	KI1-36666
Ohio	Crucible Steel Co of America	31400 Aurora Rd, Solon, Ohio	CH8-9400
Ohio	Crucible Steel Co of America	81 E. State St, Columbus 15, Ohio	CA4-6068
Okla	R M Akeman	2420 Skelly Dr, Tulsa, Okla	HI6-5511
Ore	D R Meslang	2330 N.W. Raleigh St, Portland 10, Ore	CA2-1768
Pa	R G Marlatte	1134 Payne Ave, Erie, Pa	GL6-2085
Pa	E A Fleming	408 S. Oak Ln, Philadelphia, Pa	GR4-1100
Pa	D R Wistar	P.O. Box 4514, Pittsburgh 5, Pa	WA2-3602
RI	M H Nickerson	141 Caroline Ave, Providence 5, RI	ST1-4141-2-3-4
Tex	W Ross Cummings	7901 Sovereign Row, Dallas 35, Tex	FL7-3941
Utah	C K Bentley	753 W. 8th St, S., Salt Lake City, Utah	EM4-4385
Wash	D R Meslang	2755 First Ave, S., Seattle 4, Wash	MA3-6050
Wisc	C K Baer	Box 6007, Sta F, Milwaukee	HO1-2900
Foreign	Crucible Steel International S A	400 Bay St, Nassau, Bahamas	8671-2
Foreign	Crucible Steel of Canada Ltd	Sorel, Quebec, Canada	RI3-3382
	CRYSTAL-X-CORP	**403 Lenni Rd, Lenni Mills 2, Pa**	
	CRYSTALONICS INC	**249 Fifth St, Cambridge 42, Mass**	**KI7-2750**
Cal	Aerol Associates Inc	9024 Olympic Blvd, Beverly Hills, Cal	BR2-8251
Cal	Aerol Associates Inc	1177 University Dr, Menlo Park, Cal	DA1-1014
Colo	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5586
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Mass	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
NJ	Aerol Associates Inc	1180 Raymond Blvd, Newark, NJ	MA3-0396
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	Aerol Associates Inc	103 Pickwick Rd, DeWitt, NY	GI6-4560
	CUBIC CORP	**5575 Kearny Villa Rd, San Diego 11, Cal**	**BR7-6780**
Ala	Col-Ins-Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Ariz	McCarthy Associates inc	111 W. Osborn Rd, Phoenix, Ariz	CR9-1891
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	McCarthy Associates Inc	1055 E. Walnut, Pasadena, Cal	MU1-7411
Cal	Cerruti & Associates	841 Woodside Rd, Redwood City, Cal	EM9-3354
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn	AT8-2900
Del	E F I Agency, The	880 Bonifant St, Silver Spring, Md	JU5-3111
DC	E F I Agency, The	880 Bonifant St, Silver Spring, Md	JU5-3111
Fla	Col-Ins-Co., Inc	64 E. Central Ave, Orlando, Fla	GA2-6197
Ga	Col-Ins-Co., Inc	2354 Ewing Dr, Atlanta, Ga	CE7-1494
Idaho	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Iowa	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Kan	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
La	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Me	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
Md	E F I Agency, The	880 Bonifant St, Silver Spring, Md	JU5-3111
Mass	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
Mich	J L Pierce Co	16666 James Couzens Hwy, Detroit	UN2-2571
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Miss	Col-Ins-Co., Inc	64 E. Central Ave, Orlando, Fla	GA2-6197
Mo	Halgin Sales	721 Olive St, St. Louis 1, Mo	CH1-6919
Mont	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Neb	Halgin Sales	5920 Nall Ave, Mission, Kan	RA2-2441
Nev	Cerruti & Associates	841 Woodside Rd, Redwood City, Cal	EM9-3354
NH	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NY	Naco Electronics Corp	704 Allen Rd, North Syracuse 12, NY	GL8-2358
NY	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	BO9-4339
NC	E F I Agency, The	2080 Beach St, Winston-Salem, NC	PA4-3612
ND	Pat Lind Electronics Co	9781 Westeren Ave, Circle Pines, Minn	SU4-3827
Ohio	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton	BE3-3551
Okla	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7738
Ore	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Pa	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton	BE3-3551
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
RI	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
SC	Col-Ins-Co., Inc	64 E. Central Ave, Orlando, Fla	GA2-6197
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tenn	Col-Ins-Co., Inc	64 E. Central Ave, Orlando, Fla	GA2-6197
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Vt	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
Va	E F I Agency, The	880 Bonifant St, Silver Spring, Md	JU5-3111
Wash	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
W. Va	E F I Agency, The	880 Bonifant St, Silver Spring, Md	JU5-3111
Canada	Electro Design	736 Notre Dame St, W., Montreal	UN6-7367
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 15, NY	LO4-7585
	CULBERTSON PRODUCTS INC	**25 Sanson Ave, Medison, NJ**	**FR7-0778**
Cal	The Charrett Co	7410 W. 85th St, Los Angeles 45, Cal	OR0-3600
Conn	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
Me	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
Mass	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
NH	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
RI	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
Vt	R D Gale	P.O. Box 8, Reading, Mass	RE2-1829
	CUNNINGHAM INDUSTRIES INC	**56 Hubbard Ave, Stamford, Conn**	**DA3-4872**
	CUNNINGHAM SON & CO., INC., JAMES	**33 Litchfield St, Rochester 8, NY**	**BA5-7340**
Ala	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ala	Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
Cal	Bill Wille	130 N. B St, San Mateo, Cal	DI2-7057
Cal	Jim Hanna	3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Conn	Brookdale Engineering & Services	6 Beacon St, Boston, Mass	CA7-1515
Conn	Bradley Associates	215 W. 88th St, New York 24, NY	
Del	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	
DC	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	
Fla	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Fla	Herb H Gentry	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
Idaho	Myron R Smith & Co	P. O. Box 246, Kirkland, Wash	GL4-9400
Kan	Air Equipment Sales	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
La	Air Equipment Sales	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Me	Brookdale Engineering & Services	6 Beacon St, Boston, Mass	CA7-1515
Md	Fred Bartlett & Co	18 West Ave, Wayne, Pa	
Mass	Brookdale Engineering & Services	6 Beacon St, Boston, Mass	CA7-1515
Miss	Scientific Sales Engineerng Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Miss	Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Nev	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
NJ	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	
NJ	Bradley Associates	215 W. 88th St, New York 24, NY	
NY	Bradley Associates	215 W. 88th St, New York 24, NY	
NY	Robert P Kennedy Co	182 Mayflower Dr, Rochester 18, NY	BR1-6322
NY	Bradley Associates	215 W. 88th St, New York 24, NY	SU7-7227
NC	M J McDonald	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Electro Rep	22519 Telegraph Rd, Detroit 19, Mich	EL6-7211
Ohio	Edward E Boch & Associates	3870 W. 212 th St, Cleveland 26, Ohio	ED1-5212
Okla	Air Equipment Sales	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Ore	Myron R Smith & Co	P. O. Box 246, Kirkland, Wash	GL4-9400
Pa	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Pa	Edward E Boch & Associates	3870 W. 212th St, Cleveland 26, Ohio	ED1-5212
Pa	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	
Pa	Edward E Boch & Associates	3870 W. 212 St, Cleveland, Ohio	
RI	Brookdale Engineering & Services	6 Beacon St, Boston, Mass	CA7-1515
SC	M J McDonald	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	M J McDonald	2831 S. Main St, Winston-Salem, NC	PA3-3281

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tenn	Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Tex	Air Equipment Sales	2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Vt	Brookdale Engineering & Services	6 Beacon St, Boston, Mass	CA7-1515
Va	Fred F Bartlett	18 West Ave, Wayne, Pa	
Wash	Myron R Smith & Co	P. O. Box 246, Kirkland, Wash	GL4-9400
Canada	Aeromotive Engrg Products Ltd	147 Hymus Blvd, Montreal 33, Que, Can	OX7-0810
Canada	Aeromotive Engrg Products Ltd	1912 A Ave Rd, Toronto, Ontario, Canada	RU3-4288
	CURRY ARTS	**522 Green Ridge St, Scranton 9, Pa**	**DI2-3719**
	CURTIS DEVELOPMENT & MPG CO	**3226 N. 33 St, Milwaukee 16, Wisc**	**HI5-1817**
Ala	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	
Ariz	Nelson Co	701 E. Louisiana Ave, Denver, Colo	
Ark	Lyman C Reed Inc	501 N. St. Patrick St, New Orleans, La	
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	ORO-0520
Cal	James M Krotozyner	544 Market St, San Francisco, Cal	GA1-7700
Colo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Conn	Hathaway Electronics Inc	Ducillo Bldg, Canaan, Conn	TA4-7215
Del	Naudain-Bohaker & Co	Suburban Sta Bldg, Philadelphia 3, Pa	LO4-3194
DC	Naudain-Bohaker & Co	Suburban Sta Bldg, Philadelphia 3, Pa	LO4-3194
Fla	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Ga	Buchana & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Idaho	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Kan	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	EM1-5651
Ky	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne 2, Ind	AN9122
La	Lyman C Reed Inc	501 N. St. Patrick St, New Orleans, La	GA3106
Me	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Md	Naudain-Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	TO8-3322
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	Buchanan & Abrams Associates	Box 6056, Orlando, Fla	GA3-8995
Mo	Wells-White Co	6625 Delmar Blvd, St. Louis, Mo	PA7-7622
Mo	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	EM1-5651
Mont	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Neb	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Nev	James M Krotozyner	544 Market St, San Francisco 4, Cal	GA1-7700
NH	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	C F Mason Co	One Wolf's Ln, Pelham, NY	PE8-4510
NJ	Naudain-Bohaker & Co	Suburban Sta Bldg, Philadelphia 3, Pa	AL1-3124
NM	The Nelson Co	701 E. Louisiana St, Denver, Colo	PE3-5528
NY	C F Mason Co	One Wolf's Ln, Pelham, NY	PE8-4510
NY	Wally B Swank Inc	2310 Belleview Ave, Syracuse, NY	GR6-2141
NC	Harry T Altman Co	Box 8031, Charlotte, NC	EX3-3926
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Ohio	F C Valentine Inc	12417 Cedar Rd, Cleveland Hghts, Ohio	FA1-0266
Okla	Automatic Gen Electronic Sales Inc	6550B Troost Ave, Kansas City 10, Mo	DE3-8206
Ore	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
Pa	Naudain-Bohaker & Co	Suburban Sta Bldg, Philadelphia 3, Pa	LO4-3194
Pa	Love-Haile Co	1280 Ridge Ave, Pittsburgh 33, Pa	AL1-3124
RI	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
SC	Harry T Altman Co	Box 8031, Charlotte, NC	EX3-3926
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tenn	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Tex	Automatic Gen Electronic Sales Inc	3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Utah	The Nelson Co	701 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Vt	Hathway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Va	Naudain-Bohaker & Co	Box 3024, Alexandria, Va	TE6-6114
Wash	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	MU2-6780
W. Va	Love-Haile Co	1280 Ridge Ave, Pittsburgh 33, Pa	AL1-3124
Wisc	John A Eschweiler Inc	1012 N. 3rd St, Milwaukee 3, Wisc	BR6-9633
Wyo	The Nelson Co	701 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Foreign	Lionel-Essex Corp	15 E. 26th St, New York 10, NY	
Canada	A C Simmonds & Sons Ltd	100 Merton St, Toronto, Canada	HU5-9111
	CURTIS UNIVERSAL JOINT CO	**19 Bimie Ave, Springfield, Mass**	**RE7-0281**
Tex	Francis H Dean & Associates	1932 Bissonet Ave, Dallas, Tex	
Wisc	L D Strong & Associates	6110 N. Berkeley Blvd, Milwaukee, Wisc	
	CURTISS-WRIGHT CORP ELECTRONICS DIV	**35 Market St, East Paterson, NJ**	**SW1-1020**
Ala	K Wallace Associates Inc	1120 Montclair Rd, Birmingham, Ala	LY2-6291
Ariz	Hyde Electronics Co	888 S Lipan St, Denver 23, Colo	WE6-3456
Cal	Sodaro Co	9400 Culver Blvd, Culver City, Cal	TE0-3213
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	P R Sturgeon Co., Inc	203 Broad St, Milford, Conn	TR4-6080
Del	Victor S Malta Co	Box 4007, Philadelphia 18, Pa	VE6-5122
DC	Victor S Malta Co	Box 4007, Philadelphia 18, Pa	VE6-5122
Fla	Stanley K Wallace Associates Inc	2705 Catalina Dr, Orlando, Fla	GA4-0294
Ga	Stanley K Wallace Associates Inc	2151 Beecher Rd, S.W., Atlanta, Ga	
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Kenneth W Meyers	5713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Ind	Rockwell Engineering Co	2121 E. 45th St, Indianapolis 5, Ind	
Iowa	George E Harris & Co., Inc	Merchant's Nat'l Bank Bldg, Cedar Rapids, Iowa	
Kan	George E Harris & Co., Inc	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Ky	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Me	P R Sturgeon Co., Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Md	Victor S Malta Co	Box 4007, Philadelphia 18, Pa	VE6-5122
Mass	P R Sturgeon Co., Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Mich	Toby Engineering Co	18222 James Couzens Hwy, Detroit 35	UN4-9298
Miss	Stanley K Wallace Associates Inc	2705 Catalina Dr, Orlando, Fla	GA4-0294
Mo	George E Harris & Co., Inc	3527 Broadway, Kansas City, Mo	WE1-4884
Mo	George E Harris & Co., Inc	7811 Carondelet Ave, St. Louis, Mo	VO3-6550
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	George E Harris & Co., Inc	3241 E. Douglas Ave, Wichita, Kan	
NH	P R Sturgeon Co., Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
NJ	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	LO7-4836
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM6-1111
NY	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	LO7-4836
NY	Wall Associates	Box 161, DeWitt, NY	GI6-4100
NY	Wall Associates	Box 26, Boston, NY	GI6-4100
NC	Stanley K Wallace Associates Inc	117 Middleton Ave, Charlotte 7, NC	
Ohio	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleveland 7	LA1-7268
Okla	George E Harris & Co., Inc	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Ore	George E Harris & Co., Inc	444 Dexter Horton Bldg, Seattle, Wash	MA4-1673
Pa	Victor S Malta Co	Box 4007, Philadelphia 18, Pa	VE6-5122
RI	P R Sturgeon Co., Inc	203 Broad St, Milford, Conn	TR4-6080
SC	Stanley K Wallace Associates Inc	117 Middleton Ave, Charlotte 7, NC	
Tenn	Stanley K Wallace Associates Inc	638 Rochelle Dr, Nashville, Tenn	
Tex	George E Harris & Co., Inc	204 E. Main St, Arlington, Tex	CR4-0761
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	P R Sturgeon Co., Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Va	Victor S Malta Co	Box 4007, Philadelphia 18, Pa	VE6-5122
Wash	George E Harris Co., Inc	444 Dexter Horton Bldg, Seattle, Wash	
W. Va	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Wisc	Kenneth W Meyers	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
Canada	Consol Elec Equip Co Ltd	94 Sheppard Ave,W., Ontario, Canada	BA6-6921
	CURTISS-WRIGHT CORP IBM BR	**Box 8324, Albuquerque, NM**	**AM8-2474**
Ala	Stanley K Wallace Associates	2705 Catalina Dr, Orlando, Fla	GA4-0294
Alaska	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
Ariz	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Colo	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Paul R Sturgeon Co., Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Del	Victor S Malta Co	801 Preston Rd, Philadelphia, Pa	VE6-5122
DC	Victor S Malta Co	801 Preston Rd, Philadelphia, Pa	VE6-5122
Fla	Stanley K Wallace	2705 Catalina Dr, Orlando, Fla	GA4-0294
Ga	Stanley K Wallace	2705 Catalina Dr, Orlando, Fla	GA4-0294
Hawaii	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
Idaho	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Kenneth W Meyers	6713 Oliphant Ave, Chicago 31, Ill	SP4-6440
Ind	Rockwell Engineering Co	2121 E. 45th St, Indianapolis 5, Ind	AN9-4453
Iowa	George E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Kan	George E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Ky	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Me	Paul R Sturgeon Co Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Md	Victor S Malta Co	801 Preston Rd, Philadelphia, Pa	VE6-5122
Mass	Paul R Sturgeon Co Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Mich	Toby Engineering Co	18222 James Couzens Hwy, Detroit, Mich	UN4-9298
Miss	Stanley K Wallace Associates Inc	2705 Catalina Dr, Orlando, Fla	GA4-0294
Mo	George E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Mo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Mont	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	George E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Nev	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
NH	Paul R Sturgeon Co	25 Huntington Ave, Boston 16, Mass	CO6-7705
NJ	Victor S Malta Co	801 Preston Rd, Philadelphia, Pa	VE6-5122
NJ	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	LO7-4836
NM	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NY	Wall Associates	P O Box 26, Boston, NY	GI6-4100
NY	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	LO7-4836
Ohio	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve 7	LA1-7268
Okla	George E Harris Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Ore	George E Harris Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Pa	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve 7, Ohio	LA1-7268
Pa	Victor S Malta Co	801 Preston Rd, Philadelphia, Pa	VE6-5122
RI	Paul R Sturgeon Co	25 Huntington Ave, Boston 16, Mass	CO6-7705
Tenn	Stanley K Wallace Associates Inc	2705 Catalina Dr, Orlando, Fla	GA4-0294
Tex	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Tex	George E Harris	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Paul R Sturgeon Co	25 Huntington Ave, Boston 16, Mass	CO6-7705
Wash	George E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU2-2731
Wisc	Kenneth W Meyers	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	CURTISS WRIGHT CORP PRINCETON DIV	**Princeton, NJ**	**SW9-0500**
	CUSTOM COMPONENTS INC	**Box 248, Caldwell, NJ**	**CA6-3403**
Cal	West Eleven Inc	8961 Sunset Blvd, Los Angeles 49, Cal	
Conn	Joe Coppola	3743 Park Ave, Bridgeport, Conn	
Ill	Bozner Sales Co	4708 N. Central Ave, Chicago 30, Ill	
Ind	Jack L Weber	9007 El Rico Rd, Indianapolis 20, Ind	
Md	Jim Mooney Co	1107 Echo Ct, N. Hampton Vlge, Towson	
Mich	R S Lonman Co	17330 Fenkell, Detroit 27, Mich	
Minn	Me Foster	2402 Hennepin Ave, Minneapolis, Minn	
Canada	Lake Engineering Co	123 Manville Rd, Scarborough, Ont, Canada	
	CUTLER-HAMMER INC	**411 N. 12 St, Milwaukee 1, Wisc**	**BR1-7800**
	CUTLER METAL PRODUCTS CO	**1025 Line St, Camden, NJ**	**WO3-1060**
	CYCLE EQUIPMENT CO	**17480 Shelburne Way, Los Gatos, Cal**	
	CYCLE TRANSFORMER CORP	**354 Glenwood Ave, East Orange, NJ**	
	D & R LTD	**402 E. Gutierrez, Santa Barbara, Cal**	
	D & R PLASTIC WELDERS INC	**Hazardville, Conn**	**RI9-8301**
	DX RADIO PRODUCTS CO., INC	**2300 Armitage Ave, Chicago 47, Ill**	**AR6-3740**
Conn	A-D Associates	[illegible]	[illegible]
Del	M & T Electronics	P.O. Box 185, Haddonfield, NJ	[illegible]
DC	M & T Electronics	P.O. Box 185, Haddonfield, NJ	[illegible]
Ind	Ralph Schaffey	Coldwater Rd, Fort Wayne, Ind	[illegible]
Mass	A-D Associates	[illegible]	[illegible]
Mich	[illegible]	[illegible]	[illegible]
Minn	[illegible]	[illegible]	[illegible]
Mo	[illegible]	[illegible]	[illegible]
Mo	[illegible]	[illegible]	[illegible]
Neb	[illegible]	[illegible]	[illegible]
NJ	[illegible]	[illegible]	[illegible]
NY	[illegible]	[illegible]	[illegible]
	DACO INSTRUMENT CO	**Tillary & Prince, Brooklyn 1, NY**	**UL5-8350**
	DAGE ELECTRIC COMPANY INC	**67 N. Second St, Beech Grove, Ind**	**ST6-0458**
Ala	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Alaska	ARVA	1300 Prospect St, Seattle Wash	MA2-0177
Ariz	Samuel O Jewett Co	13111 N. Ventura Blvd, N. Hollywood, Cal	ST9-8103
Ark	Southwest Electronic Industries	4515 Prentice St, Dallas, Tex	EM3-1671
Cal	Win W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Cal	Samuel O Jewett Co	13111 N. Ventura Blvd, N. Hollywood	ST9-8103
Colo	Fred A Pease Co	P.O. Box 1566, Denver, Colo	FR7-2336
Conn	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Del	Naudain-Bohaker Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
DC	Naudain-Bohaker Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Fla	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Ga	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Idaho	ARVA	1320 Prospect St, Seattle, Wash	MA2-0177
Ill	W G Brouillette Assoc	1588 Newcastle Ave, Westchester, Ill	FI5-6500
Ill	Zak-Cowen & Co	7730 Carondelet, St Louis, Mo	PA7-8559
Ind	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
Iowa	Zak-Cowen & Co	7730 Carondelet, St Louis, Mo	PA7-8559
La	Southwest Electronic Industries	4515 Prentice St, Dallas, Tex	EM3-1671
Me	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Md	Naudain-Bohaker Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Mass	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Mich	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis, Minn	PA9-7371
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Mo	Zak-Cowen & Co	7730 Carondelet, St. Louis, Mo	PA7-8559
Mont	ARVA	1320 Prospect St, Seattle, Wash	MA2-0177
Nev	Fred A Pease Co	P.O. Box 1566, Denver, Colo	FR7-2336
NH	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
NJ	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NJ	Naudain-Bohaker Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
NM	Southwest Electronic Industries	4515 Prentice St, Dallas, Tex	EM3-1671
NY	E E Harries Co	366 Norwood, Buffalo, NY	SU0912
NY	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NY	George Marron	712 Norman Pl, Westfield, NJ	AD3-5044
NC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
ND	A J Warner Co	5022 29th Ave, S., Minneapolis, Minn	PA9-7371
Ohio	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
Okla	Southwest Electronic Industries	4515 Prentice St, Dallas, Tex	EM3-1671
Ore	ARVA	1320 Prospect St, Seattle, Wash	MA2-0177
Pa	Naudain-Bohaker Co	Suburban Station Bldg, Philadelphia, Pa	LO4-3194
RI	Henry Lavin Associates Inc	P O Box 196, Meriden, Conn	BE7-5527
SC	Cartwright & Bean	560 S Cooper Memphis, Tenn	BR6-4442
SD	A J Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Tex	Southwest Electronic Industries	4515 Prentice St, Dallas, Texas	EM3-1671
Utah	Fred A Pease Co	P.O. Box 1566, Denver, Colorado	FR7-2336
Vt	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Va	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Wash	ARVA	1320 Prospect St, Seattle, Wash	MA2-0177
Wisc	W G Brouillette & Associates	1588 Newcastle Ave, Westchester, Ill	FI5-6500
Wyo	ARVA	1320 Prospect St, Seattle, Wash	MA2-0177
	DAGE TELEVISION DIV THOMPSON-RAMO-WOOLDRIDGE INC	**W. Tenth St, Michigan City, Ind**	**TR4-3251**
Cal	Dage Television Div	204 Hindry Ave, Inglewood 1, Cal	
	DAHLSTROM METALLIC DOOR CO	**Jamestown, NY**	**7991**
Mich	M V Otis	1548 Bohl Blvd, Detroit, Mich	WO1-8838
NY	M W Wiesner	104 Sunset Ave, Lakewood, NY	8681
NY	D J Sutherland	30 Rockefeller Center, New York, NY	CI5-8535
Ohio	Frank D Borchelt	1926 Green Pine Dr, Mt. Healthy 31, Cal	WE1-3745
Pa	Aaron W Groff	967 Salisbury Ct, Lancaster, Pa	EX2-6778
	DALE PRODUCTS INC	**P.O. Box 136, Columbus, Neb**	**LO4-3131**
Ala	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	8-5486
Ariz	Rudy Mueller	1200 Stout St, Denver, Colo	TA5-2940
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5234
Ca	Thomas J Stevens Co	15222 S. Grevillea, Lawndale, Cal	OS9-1419
Cal	William V Brainard Co	715 Hamilton, Palo Alto, Cal	DA6-5420
Colo	Rudy C Mueller	1200 Stout St, Denver, Colo	TA5-2940
Conn	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
Del	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
DC	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
Fla	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	8-5486
Ga	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	8-5486
Idaho	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Ind	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Iowa	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Iowa	Merrill Franklin Co	338 E. Franklin Ave, Minnpls, Minn	FE6-2315
Kan	Ray Deane	10825 McGee St, Kansas City, Mo	WI2-0130
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
La	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5234
Me	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
Md	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
Mass	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	FE6-2315
Miss	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	8-5486
Mo	Ray Deane	10825 McGee St, Kansas City, Mo	WI2-0130
Mont	J K Dooley Co	3215 Western, Seattle 1, Wash	MU8313
Neb	Rudy C Mueller	1200 Stout St, Denver, Colo	TA5-2940
Nev	William V Brainard Co	715 Hamilton, Palo Alto, Cal	DA6-5420
NH	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NJ	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
NM	Rudy C Mueller	1200 Stout St, Denver, Colo	TA5-2940
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	MO3-5434
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
ND	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	FE6-2315
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5234
Ore	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	MU8313
Pa	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Pa	Robert L Wilkenson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
RI	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
SC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
SD	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	FE6-2315
Tenn	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5234
Utah	Rudy C Mueller	1200 Stout St, Denver, Colo	TA5-2940
Vt	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
Va	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	VA3-7800
Wash	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	MU8313
W. Va	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420

TERR	MANUFACTURERS SALES/OR	REPRESENTATIVES OFFICES	TEL. NO.
Wyo	Rudy C Mueller	1200 Stout St, Denver, Colo	TA5-2940
Foreign	Intl Standard Electric Corp	50 Church St, New York 7, NY	BO9-3800
	DALLONS SEMICONDUCTORS DIV	**5066 Santa Monica Blvd, L A 29, Cal**	**NO4-1951**
Ala	Floyd Faussett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ariz	C R Lynch & Son	3307 Glendale Blvd, Los Angeles 39, Cal	NO3-8236
Cal	William J Purdy Co	3307 Glendale Blvd, Los Angeles 39, Cal	NO3-8236
Cal	William J Purdy Co	312-7th St, San Francisco, Cal	
Cal	C R Lynch & Son	3307 Glendale Blvd, Los Angeles 39, Cal	NO3-8236
Conn	Robert B Hatch Co	19 Kearney Rd, Needham Hts, Mass	HI4-1259
Fla	Floyd Faussett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ga	Floyd Faussett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ill	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Md	Pacent Engineering Corp	300 Northern Blvd, Great Neck, NY	MU3-1586
Mass	Robert B Hatch Co	19 Kearney Rd, Needham Hts, Mass	HI4-1259
Miss	Floyd Faussett & Co	777 Pinehurst Terr, S.W. Atlanta, Ga	PL3-3104
NH	Robert B Hatch Co	19 Kearney Rd, Needham Hts, Mass	HI4-1259
NJ	Pacent Engineering Corp	300 Northern Blvd, Great Neck, NY	MU3-1586
NY	Pacent Engineering Corp	300 Northern Blvd, Great Neck, NY	MU3-1586
NC	Floyd Faussett &Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ohio	Allen Nace Co	Box 146, Brecksville, Ohio	JA6-4323
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Pa	Pacent Engineering Corp	119 E. Butler Ave, Ambler, Pa	MI6-0405
Pa	Allen Nace Co	Box 146, Brecksville, Ohio	JA6-4323
RI	Robert B Hatch Co	19 Kearney Rd, Needham Hts, Mass	HI4-1259
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Vt	Robert B Hatch Co	19 Kearney Rd, Needham Hts, Mass	HI4-1259
Va	Allen Nace & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Va	Allen Nace & Co	Box 146, Brecksville, Ohio	JA6-4323
Wash	Richard Legg Co	1633 N.W. 21st Ave, Portland, Ore	
Wisc	Hill & Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
	DALMO VICTOR CO DIV TEXTRON INC	**1515 Industrial Way, Belmont, Cal**	**LY1-1414**
	DALMORE CORP	**47 Prospect St, Woburn, Mass**	**WE3-5390**
Ala	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Ariz	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Cal	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Colo	Vinson Associates	P.O. Box 8363, Denver 10, Colo	SU9-2851
Conn	The Noone Co	P.O. Box 123, Cambridge, Mass	UN4-5239
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
DC	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
Fla	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Ga	E C Raymond & Associates	Madeira Beach, St. Petersburg, Fla	WA1-9735
Idaho	Vinson Associates	P.O.Box 8363, Denver, Colo	SO9-2851
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	5214 Forest Ave, Ft. Wayne, Ind	EA7-7190
Iowa	Ellinger Sales Corp	309 Fourth Ave, S.E., Clarion, Iowa	
Kan	Ellinger Sales Corp	6540 Northwest Hwy, Chicago, Ill	RO3-1570
Me	Noone Co., The	P.O.Box 123, Cambridge, Mass	UN4-5239
Md	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
Mass	Noone Co., The	P.O. Box 123, Cambridge, Mass	UN4-5239
Mich	Harvey Teplitz & Co., Inc	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Mo	Ellinger Sales Corp	6427 Evergreen St, Berkeley, Mo	JA4-1116
Nev	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
NH	Noone Co., The	P.O. Box 123, Cambridge, Mass	UN4-5239
NJ	Reed & Riddett Co., The	190 Rivervale Rd, Westwood, NJ	NO4-6250
NJ	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
NM	Vinson Associates	P.O. Box 8363, Denver 10, Colo	SU9-2851
NY	R P Kennedy & Co	182 Mayflower Dr, Rochester, NY	BR1-6322
NY	Read & Riddett Co., The	1106 Jericho Tmpk, New Hyde Park, NY	FL4-6719
NC	E C Raymund & Associates	5412 Hilltop Circle, Charlotte, NC	EO3-2827
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ore	M K Widdekind	222 1st Ave, N., Seattle, Wash	AT4-4869
Pa	Harvey Teplitz & Co., Inc	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
RI	Noone Co., The	P.O. Box 123, Cambridge, Mass	UN4-5239
SC	E C Raymond & Associates	5412 Hilltop Circle, Charlotte, NC	ED3-2827
Tenn	Al Englemen	3205 Crump Ave, Memphis, Tenn	
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas, Tex	
Va	Massey Associates	111 Centeway, Greenbelt, Md	GR4-2071
Wisc	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Canada	Desser E-E Ltd	441 St. Francois Xavier St, Montreal, P.Q.	VI5-6570
	DALVELD CO., INC	**11 Bertel Ave, Mt. Vernon, NY**	
Conn	Kempton Associates	P.O. Box 272, Bloomfield, Conn	
Ohio	John A Brownrigg	P.O. Box 3, Elyria, Ohio	
Wisc	John A Heider	2826 N. Lefeber Ave, Milwaukee, Wisc	
	DAMPP CHASER INC	**Box 520, Hendersonville, NC**	**OX3-8271**
Fla	Harry H Wayner	531 N.W. Miami Ct, Miami 32, Fla	FR4-0475
NY	Leonard G Ashcraft	2 Stuyvesant Oval, New York 9, NY	YU2-2877
Tex	Hiram W Harting	6647 Cadillac, Houston 21, Tex	JA9-1514
	DANIELS INC., C R	**Daniels, Md**	**EL1200**
Cal	C R Daniels Inc	420 Market St, San Francisco 11, Cal	YU2-2531
Fla	C R Daniels Inc	1555 N.E. 123rd St, Miami 61, Fla	PL4-5151
Ga	C R Daniels Inc	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-2245
Ill	C R Daniels Inc	549 W. Randolph St, Chicago 6, Ill	FR2-4200
Mass	C R Daniels Inc	25 Huntington Ave, Boston 16, Mass	CO7-3630
Mich	C R Daniels Inc	14111 Fenkell Ave, Detroit 27, Mich	BR3-5382
Minn	C R Daniels Inc	Plymouth Bldg, Minneapolis 1, Minn	FE9-2013
Mo	C R Daniels Inc	3908 Laclede Ave, St. Louis 8, Mo	JE3-0986
NJ	C R Daniels Inc	301 Main St, Orange, NJ	OR6-8650
NY	C R Daniels Inc	145 W. Main St, Batavia, NY	FI3-6447
NY	C R Daniels Inc	75 West St, New York 6, NY	WH3-5100
NY	C R Daniels Inc	172 Argonne Dr, Kenmore, NY	BE2935
NC	C R Daniels Inc	227 W. Third St, Charlotte 2, NC	ED3-7787
Ohio	C R Daniels Inc	14237 Detroit Ave, Cleveland 7, Ohio	AC1-8110
Ohio	C R Daniels Inc	Box 25, Goshen, Ohio	RE4-6211
Pa	C R Daniels Inc	5553 Baltimore Ave, Philadelphia 43, Pa	GR4-5015
Pa	C R Daniels Inc	1029 Wood St, Pittsburgh 21, Pa	PE1-3315
Tex	C R Daniels Inc	9200 Chancellor Row, Dallas 7, Tex	FL2-9010
Va	C R Daniels	1 N. Sixth St, Richmond 19, Va	MI3-6965
Wisc	C R Daniels Inc	1827 N. Farwell Ave, Milwaukee 2, Wisc	BR2-2785

TERR	MANUFACTURERS SALES/OR	REPRESENTATIVES OFFICES	TEL. NO.
	DANO ELECTRIC CO	**Main St, Winsted, Conn**	
	DANTE ELECTRIC MFG CO	**P.O. Box 6, Boston, Conn**	**JO7-5307**
Conn	L E Whelan Co	P.O. Box 752, Hartford, Conn	
Fla	Palco Electrical Sales	P.O. Box 6343, W. Palm Beach, Fla	
Ill	C W Lint & Associates	2323 W. 18th St, Chicago, Ill	
Mass	Frank W Garner	18 Scotia St, Boston 16, Mass	
NJ	Levy Elec Sales	570 Clinton Ave, Newark 8, NJ	
	(DARE) DAYTON AVIATION RADIO & EQUIP CORP	**Box 312, Troy, Ohio**	**FE2-5513**
	DARRILL PRODUCTS CORP	**107 Falmouth St, Attleboro, Mass**	**AT1-4577**
	DATA-CONTROL SYSTEMS INC	**39 Rose St, Danbury, Conn**	**PI3-9241**
Ala	Ben Covington	4021 Horgill Dr, Orlando, Fla	GA2-8275
Cal	Collins Electronics Sales Inc	535 Middlefield Rd, Palo Alto, Cal	DA6-0647
Cal	C J O'Lone	16366 Ancep St, Whittier, Cal	OW1-2117
Colo	C J O'Lone	16366 Ancep St, Whittier, Cal	OW1-2117
Fla	Ben Corvington	4021 Horgill Dr, Orlando, Fla	GA2-8275
Ga	Ben Corvington	4021 Horgill Dr, Orlando, Fla	GA2-8275
Ill	Pivan Engineering Co	2820 W. Peterson Ave, Chicago, Ill	BR4-9135
Ind	Pivan Engineering Co	2820 W. Peterson Ave, Chicago, Ill	BR4-9135
Mich	S Sterling Co	15310 McNichols Rd, Detroit, Mich	BR3-2900
NM	C J O'Lone	16366 Ancep St, Whittier, Cal	OW1-2117
Tex	C J O'Lone	16366 Ancep St, Whittier, Cal	OW1-2117
Utah	Collins Electronic Sales	535 Middlefield Rd, Palo Alto, Cal	DA6-0647
Wash	Collins Electronic Sales	535 Middlefield Rd, Palo Alto, Cal	DA6-0647
	DATA EQUIPMENT CO	**923 E. 3rd St, Los Angeles 13, Cal**	**MA6-2325**
	DATA PRODUCTS CO., INC	**7320 Westmore Rd, Rockville, Md**	**GA4-6750**
	DATA SYSTEMS DEPT NORDEN DIV UNITED AIRCRAFT CORP	**13210 Crossbow Blvd, Gardena, Cal**	**FA1-1775**
Conn	Data Systems	400 Main St, E. Hartford 8, Conn	JA8-4811
Ohio	Data Systems	11 W. Monument Ave, Dayton 2, Ohio	BA8-4481
	DATA TECHNOLOGY INC	**1122 E. San Mateo, S.E., Albuquerque, NM**	**AM8-2459**
Ariz	Brooks Feeger & Associates	34A E. 1st St, Scottsdale, Ariz	WH6-2111
Cal	Cerruti & Associates	841 Woodside Rd, Redwood City, Cal	EM9-3354
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
NM	Brooks Feeger & Associates	5510 Domingo Rd, N.E., Albuquerque, NM	AM8-1724
Tex	Pan Tech Engineering & Supply Co	3302 Mercer St, Houston 27, Tex	JA6-4624
	DATEX CORP	**1307 S. Myrtle Ave, Monrovia, Cal**	**EL9-3381**
Ill	Datex Corp	3742 Dempster St, Skokie, Ill	OR6-3636
NJ	Datex Corp	845 Broad St, Ridgefield, NJ	WH5-0150
	DAUBERT CHEMICAL CO	**4700 S. Central Ave, Chicago 38, Ill**	**LU2-1000**
	DAVEN CO	**Rt 10, Livingston, NJ**	**WY2-4300**
Ala	Murphy & Cota Co	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Alaska	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Ariz	M A Stokaroff Co	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Ark	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Cal	M A Stokaroff Co	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Cal	E L Berman Co	450 Ninth St, San Francisco, Cal	UN3-0317
Colo	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Conn	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Del	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
DC	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, Atlanta, Ga	TR6-3020
Hawaii	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Idaho	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Ill	John G Twist Co	5232 W. Diversey Ave, Chicago, Ill	SP7-2250
Ill	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Ind	Leslie M DeVoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
Iowa	Jerry Vrbik Co	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	Norman W Kathrinus & Co	4306 Cambridge, Kansas City, Kan	JO2-4108
Ky	Leslie M DeVoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
La	John A Green Co	Box 6426, Fairview Sta, Houston, Tex	JA6-2959
Me	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Md	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
Mass	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Mich	R S Lohmann Co	12730 Fenkell, Detroit, Mich	UN2-9465
Minn	Jerry Vrbik Co	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Miss	Murphy & Cota	250 Governors, S.E., Huntsville, Ala	JE6-9121
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Mont	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Neb	Jerry Vrbik Co	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Nev	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
NH	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
NJ	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
NY	Frank W Taylor Co., Inc	4455 E. Genesee St, DeWitt, NY	GI6-0422
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
NC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
ND	Jerry Vrbik Co	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Ohio	Allen Nace Co	Box 146, Brecksville, Ohio	JA6-4323
Ohio	Allen Nace Co	Box 93, Riverdale Sta, Dayton, Ohio	CR7-8215
Okla	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Ore	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Pa	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
Pa	Allen Nace Co	500 Ft. Couch Rd, Pittsburgh, Pa	TE5-5217
RI	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
SC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
SD	Jerry Vrbik Co	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Tenn	Murphy & Cota	250 Governors, S.E., Huntsville, Ala	JE6-9121
Tenn	Murphy & Cota	2110 Peachtree Rd, Atlanta, Ga	TR6-3020
Tex	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Tex	John A Green Co	Box 6426, Fairview Sta, Houston, Tex	JA6-2959
Tex	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
Utah	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Vt	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Va	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Va	Victor S Malta	801 Preston Rd, Philadelphia, Pa	VE6-5122
Wash	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433

TERR	MANUFACTURERS SALES/OR	REPRESENTATIVES OFFICES	TEL. NO.
W. Va	Allen Nace Co	Box 93, Riverdale Sta, Dayton, Ohio	CR7-8215
Wisc	John G Twist Co	5232 W. Diversey Ave, Chicago, Ill	SP7-2250
Wyo	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Adams Engineering Ltd	1500 St. Catherine St, W., Montreal	WE3-6857
Canada	Adams Engineering Ltd	1999 Avenue Rd, Toronto, Ont, Canada	HU6-9487
	DAVENPORT MFG CO	**2530-32 N. Elston Ave, Chicago, Ill**	**DI2-3620**
Ariz	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
Cal	Featherstone & Salisbury Co	1355 Market St, San Francisco 3, Cal	KL2-2311
Cal	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
Conn	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
DC	The Hildenbrand Co	P.O. Box 1060, Fairfax, Va	CR3-2334
Fla	Mark Electronic Sales Co	410 N.E. 147th Terr, N. Miami 61, Fla	WI7-5080
Idaho	C H Spencer Co	210 W. 33rd St, Salt Lake City, Utah	IN6-8683
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
Ind	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
Iowa	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
Ky	Bernard Michaelson Co	321 N. Monroe St, Xenia, Ohio	DR2-5496
La	Brice Sales Service	2425 W. Holcombe St, Houston 25, Tex	MO5-3978
Me	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
Md	Hildenbrand Co., The	P.O. Box 1060, Fairfax, Va	CR3-2334
Mass	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
Nev	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
NH	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
NM	C B Anderson Co	712 Oil Capital Bldg, Tulsa 3, Okla	GI7-1123
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Ohio	Bernard Michaelson Co	321 N. Monroe St, Xenia, Ohio	DR2-5496
Okla	C B Anderson Co	712 Oil Capital Bldg, Tulsa 3, Okla	GI7-1123
Pa	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
RI	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
Tex	C B Anderson Co	712 Oil Capital Bldg, Tulsa 3, Okla	GI7-1123
Tex	Brice Sales & Service Co	2425 W. Holcombe St, Houston 25, Tex	MO5-3978
Utah	C H Spencer Co	210 W. 33rd St, Salt Lake City 15, Utah	IN6-8683
Vt	Saunders and Co	8 Prospect St, Waltham, Mass	TW4-6071
Va	Hildenbrand Co., The	P.O. Box 1060, Fairfax, Va	CR3-2334
W. Va	Hildenbrand Co., The	P.O. Box 1060, Fairfax, Va	CR3-2334
Wyo	C H Spencer Co	210 W. 33rd, Salt Lake City 15, Utah	IN6-8683
	DAVIDSON OPTRONICS INC	**2223 Ramona Blvd, W. Covina, Cal**	**ED7-7281**
Conn	Judge Tool Sales	175 Rennel Dr, Southport, Conn	
Del	Holco	122 Westchester Pike, Havertown, Pa	SU9-7477
DC	Holco	122 Westchester Pike, Havertown, Pa	SU9-7477
Mass	Gordon Yale & Associates	14 Everette Paine Blvd, Marblehead, Mass	NE1-0068
Pa	Holco	122 Westchester Pike, Havertown, Pa	SU9-7477
Wash	Perine Machinery & Supply	1921 1st Ave, S., Seattle 4, Wash	MA2-2620
Wisc	Eder Associates	2603 N. Downer, Milwaukee 11, Wisc	FL2-2658
	DAVIES MOLDING CO, HARRY	**1428 N. Wells St, Chicago 10, Ill**	**MI2-7240**
Cal	Littrell Hardware Lines	3121 E. 12th St, Los Angeles 23, Cal	AN1-0165
DC	Wm G Walker	Box 935, Paoli, Pa	MA7-8146
Fla	Johnson Associates	Casselberry, Fla	
Ill	David Maytnier	2510 Ridge Rd, Evanston, Ill	GR5-4334
Ind	Art Arnholt & Co	2101 California, Columbus, Ind	DR6-6342
Iowa	Clancey Co	3844 Valdez Dr, Des Moines, Iowa	CR9-9102
Kan	Clancey Co	3527 Broadway, Kansas City 11, Mo	WE1-3090
Ky	Art Arnholt & Co	2101 California, Columbus, Ind	DR6-6342
Md	Wm Walker	Box 935, Paoli, Pa	MA7-8146
Mass	P R Sturgeon Inc	25 Huntington Ave, Boston, Mass	KE6-5580
Mich	Gitre Co	12909 W. 8 Mile Rd, Detroit 35, Mich	DU1-9270
Minn	R H Clague Co	759 N. Milwaukee St, Milwaukee 2, Wisc	BR2-1951
Mo	Clancey Co	3527 Broadway, Kansas City 11, Mo	WE1-3090
NH	P R Sturgeon	25 Huntington Ave, Boston, Mass	KE6-5580
NM	Automatic Gen Electronic Sales Inc	6650B Troost Ave, Kansas City 31, Mo	DE3-8206
NY	Rywel Sales Inc	100 N. Village Ave, Rockville Centre, NY	RO4-2666
Ohio	N W Duffin Co	1404 E. 9th St, Cleveland 14, Ohio	MA1-6518
Okla	Clancey Co	3527 Broadway, Kansas City 11, Mo	WE1-3090
Ore	North West Plastics Industries Inc	1220 Cherry St, Seattle 22, Wash	EA2-8314
Pa	Wm G Walker	Box 935, Paoli, Pa	MA7-8146
RI	P R Sturgeon Inc	25 Huntington Ave, Boston, Mass	KE6-5580
Tex	A & A Supply	1839 Levee St, Dallas 9, Tex	DR6-6342
Vt	P R Sturgeon Inc	25 Huntington Ave, Boston, Mass	KE6-5580
Wash	North West Plastics Industries Inc	1220 Cherry St, Seattle 22, Wash	EA2-8314
Wisc	R H Clague	759 N. Milwaukee St, Milwaukee, Wisc	BR2-1951
	J W DAVIS & CO	**9212 Denton Dr, Dallas Tex**	**FL2-8405**
Ariz	George Davis Sales Co	2119 S. Atlantic Blvd, Los Angeles 22, Cal	
Ark	Lund Co., The	2215 N. Olive St, Dallas 1, Tex	
Ark	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	
Cal	George Davis Sales Co	2119 S. Atlantic Blvd, Los Angeles 22, Cal	
Fla	Jack Geartner Co., The	235 Lincoln Ave, Miami Beach, Fla	
Ga	Hilker Co., The	3007 Kinnaman Rd, Winston-Salem, NC	
Idaho	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	
La	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	
Mont	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	
Nev	George Davis Sales Co	2119 S. Atlantic Blvd, Los Angeles 22, Cal	
NC	Hilker Co., The	3007 Kinnaman Rd, Winston-Salem, NC	
Okla	Lund Co., The	2215 N. Olive St, Dallas 1, Tex	
Ore	Dale G Weber Co	8 S.E. Clay St, Portland	
SC	Hilker Co., The	3007 Kinnaman Rd, Winston-Salem, NC	
Tenn	Hilker Co., The	3007 Kinnaman Rd, Winston-Salem, NC	
Tenn	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	
Tex	Lund Co., The	2215 N. Olive St, Dallas 1, Tex	
Tex	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	
Utah	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	
Va	Hilker Co., The	3007 Kinnaman Rd, Winston-Salem, NC	
Wash	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	
	DAVIS ELECTRIC CO	**Cape Girardeau, Mo**	**ED5-5547**
Cal	Bert Barnon Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
Cal	G B Ellis Sales Co	2316 E. Camino Real, Mountain View	YO7-5531
Colo	Automatic Gen Electronic Sales Inc	6650B Troost Ave, Kansas City 31, Mo	DE3-8206
Conn	Near Inc	P. O. Box 184, Yalesville, Conn	CO9-9932
Del	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
DC	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
Fla	John F Wattles	7210 Red Rd, Miami 43, Fla	MO5-3574
Ill	Granaras Sales Co	5435 N. Northwest Hwy, Chicago 30, Ill	SP4-4600

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ill	Harlan J Weisler & Associates	8890 Lackland Rd, St. Louis 14, Mo	HA8-3934
Ind	W H Myers Sales Co	Syracuse 3, Ind	GL7-2832
Iowa	Automatic General Elec Sales Inc	6650B Troost Ave, Kansas City 31, Mo	DE3-8206
Kan	Automatic Gen Electronic Sales Inc	6650-B Troost Ave, Kansas City 31, Mo	DE3-8206
Me	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Md	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Mo	Harlan J Weisler & Associates	8890 Lackland Rd, St. Louis 14, Mo	HA8-3934
Mo	Automatic Gen Electronic Sales Inc	6650-B Troost Ave, Kansas City 31, Mo	DE3-8206
Neb	Automatic Gen Electronic Sales Inc	6650B Troost Ave, Kansas City 31, Mo	DE3-8206
NH	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
NJ	F F Sylvester Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NJ	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
NY	Automatic Gen Electronic Sales Inc	6650B Troost Ave, Kansas City 31, Mo	DE3-8206
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	NE7-6405
NY	F F Sylvester Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NC	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
Ohio	Components Engineering Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Okla	Automatic Gen Electronic Sales Inc	2527B McKinley Ave, Dallas 1, Tex	RI7-8779
Pa	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
RI	Near Inc	Box 184, Yalesville, Conn	CO9-9932
SC	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
Tex	Automatic Gen Electronic Sales Inc	2527 B McKinney Ave, Dallas 1, Tex	RI7-8779
Vt	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Va	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
W. Va	W Henry Cordray Sales Co	18 W. Chelten Ave, Phila 44, Pa	VI8-0447
	DAWE INSTRUMENTS LTD	**99 Uxbridge Rd, London W5, England**	**EA6215**
Ohio	Hickok Electrical Instrument Co	10514 Dupont Ave, Cleveland 8, Ohio	LI1-8060
Canada	E M I Cossor Electronics Ltd	P.O. Box 525, Dartmouth, N.S., Canada	
Canada	Hickok Electrical Instrument Co	10514 Dupont Ave, Cleveland 8, Ohio	
	DAVISON CHEMICAL DIV W R GRACE & CO	**Box 218, Erwin, Tenn**	**PL2-1721**
	DAYSTROM INC CONTROL SYSTEMS DIV	**4455 Miramar Rd, La Jolla, Cal**	**GL4-0421**
Ala	Bob Richards	716 Longwood Dr, N.W. Atlanta, Ga	TR4-0253
Ariz	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Colo	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Conn	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
Del	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
DC	Robert Burns	425-13th St, N.W. Washington, DC	RE7-1366
Fla	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Ga	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Idaho	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Kan	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Ky	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Me	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
Md	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
Mass	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
Miss	Bob Richards	716 Longwood Dr, N.W. Atlanta, Ga	TR4-0253
Mont	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Neb	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Nev	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
NJ	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
NH	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
NM	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
NY	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
NC	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
ND	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Ore	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Pa	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
RI	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
SC	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
SD	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Tenn	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Utah	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
Vt	Martin Lyford	304 E. 38th St, New York, NY	MU6-3148
Va	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Wash	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
W. Va	Bob Richards	716 Longwood Dr, N.W., Atlanta, Ga	TR4-0253
Wyo	Alden Webber	Rt 2, P.O. Box 34, Berthoud, Colo	KE2-2328
	DAYSTROM INC MILITARY ELEC DIV	**Archbold, Pa**	**JE1100**
	DAYSTROM INC PACIFIC DIV POTENTIOMETERS	**9320 Lincoln Blvd, Los Angeles 45, Cal**	**OR4-7100**
Ariz	E V Roberts & Assoc	909 N. First St, Phoenix, Ariz	AL2-8904
Cal	C W Mauldin Co	441 W. California St, Palo Alto, Cal	DA6-5291
Cal	E V Roberts & Assoc	4379 30th St, San Diego, Cal	AT1-6787
Cal	E V Roberts & Assoc	5068 W. Washington Blvd, Los Angeles, Cal	WE8-2541
Colo	Peterson Co	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Fla	E C Raymond & Assoc	P.O. Box 8215, Madiera Beach, Fla	7-6126
Ga	Paul Hayden & Assoc	P.O. Box 331, East Point, Ga	PO7-9646
Ill	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Mass	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
Mich	A R Satullo Co	4512 N. Woodward, Royal Oak, Mich	LI9-3910
Minn	R G Ragon Inc	1406 W. Idaho, St. Paul, Minn	MI6-6937
Mo	Kemp Engineering Co	6414 Hampton Ave, St. Louis 9, Mo	FL1-2175
NJ	Daystrom International	100 Empire St, Newark 12, NJ	
NM	E V Roberts & Assoc	112 C Tulane Dr, S.E., Albuquerque, NM	
NY	QED Electronic Sales, Inc	9 Elm Ave, Mount Vernon, NY	MT8-3100
NY	J A Reagan Co., Inc	45 N. Lake Ave, Albany 3, NY	AL6-9649
Ohio	A R Satullo Co	16801 Euclid Ave, Cleveland, Ohio	IV1-6200
Ohio	A R Satullo Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-3094
Pa	W J Duncan & Assoc	5452 Charles St, Philadelphia 24, Pa	CJ9-7525
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Wash	Avionics Liaison	Boeing Field, Seattle 8, Wash	PA3-7602
Canada	Daystrom Limited	840 Caledonia Rd, Toronto, Ont, Canada	RL7-1114
Foreign	Daystrom International	100 Empire St, Newark 12, NJ	BE8-02141
	DAYSTROM INC WESTON INSTRUMENTS DIV	**614 Frelinghuysen Ave, Newark, NJ**	**BI3-4700**
Ala	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga	TR5-7895
Alaska	Weston Instruments Div	831 Airport Way, Seattle, Wash	MU2-3355
Ariz	J E Redmond Supply Co	625 W. Madison St, Phoenix, Ariz	AL4-8471
Ark	Curtis H Stout Inc	400 Shall St, Little Rock, Ark	FR4-8201
Cal	Weston Instruments Div	2001 S. Grand Ave, Los Angeles 7, Cal	RI9-2361
Cal	Weston Instruments Div	147 10th St, San Francisco 3, Cal	UN3-4250
Colo	Peterson Co., Inc	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Conn	Dittman & Greer Inc	S. Main St, Extension, Middletown, Conn	DI6-9606
Del	Weston Instruments Div	101 N. 33rd St, Philadelphia 4, Pa	BA2-6458
DC	Weston Instruments Div	425 13th St, N.W., Wash, DC	DI7-3636
Fla	Ward Engineering Co., Inc	1015 W. Central Ave, Orlando, Fla	GA2-4295
Ga	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga	TR5-7895
Hawaii	Weston Instruments Div	147 10th St, San Francisco 3, Cal	UN3-4250
Idaho	Peterson Co., Inc	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Ill	C B Fall Co., Inc	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Ill	Weston Instruments Div	205 W. Wacker Dr, Chicago 6, Ill	FR2-4656
Ind	Weston Instruments Div	7613 Reading Rd, Cincinnati 37, Ohio	VA1-9105
Iowa	C B Fall Co	317 N. 11th St, St. Louis 1, Mo	CH1-2433
Kan	C B Fall Co	11201 Longview Rd, Hickman Mills 34, Mo	SO1-6545
Ky	Weston Instruments Div	7613 Reading Rd, Cincinnati 37, Ohio	VA1-9105
La	Weston Instruments Div	407 Carondelet St, New Orleans 12, La	JA5-9794
Me	Weston Instruments Div	66 Central St, Wellesley 81, Mass	CI3355
Md	T H Closs	21 W. Pennsylvania Ave, Towson 4, Md	VA5-4445
Mass	Weston Instruments Div	66 Central St, Wellesley 81, Mass	CI5-4300
Mich	Weston Instruments Div	16607 James Couzens Hwy, Detroit 21	DI1-2121
Minn	Pinkney & Hine	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Miss	Curtis H Stout Inc	706 Electric Bldg, Jackson, Miss	JA4-4326
Mo	C B Fall Co	11201 Longview Rd, Hickman Mills 34, Mo	SO1-6545
Mont	Peterson Co., Inc	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Neb	C B Fall Co	11201 Longview Rd, Hickman Mills 34, Mo	SO1-6545
Nev	Weston Instruments Div	147 10th St, San Francisco 3, Cal	UN3-4250
NH	Weston Instruments Div	66 Central St, Wellesley 81, Mass	CE5-4300
NJ	Weston Instruments Div	Rt 22 & Caldwell Ave, Union, NJ	MU8-2020
NM	Weston Instruments Div	625 W. Madison St, Phoenix, Ariz	AL4-8471
NY	Weston Instruments Div	50 Church St, New York 7, NY	WO4-3510
NY	Weston Instruments Div	4446 Main St, Buffalo 26, NY	CI3355
NY	Weston Instruments Div	5 Herbert Dr, Latham, NY	ST5-5161
NC	Ranson, Wallace & Co	116-1/2 E. 4th St, Charlotte 2, NC	ED4-4244
ND	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Ohio	Weston Instruments Div	7613 Reading Rd, Cincinnati 37, Ohio	VA1-9105
Ohio	Weston Instruments Div	3951 Lee Rd, Cleveland 28, Ohio	SK2-3030
Ohio	Weston Instruments Div	11 W. Monument Ave, Dayton, Ohio	BA2-8164
Okla	Riddle & Hubbell Co	302 S. Cheyenne Ave, Tulsa, Okla	LU5-5624
Ore	Weston Instruments Div	831 Airport Way, Seattle 4, Wash	MU2-3355
Pa	R F Clark Co	1409 Clark Bldg, Pittsburgh 22, Pa	AT1-8089
Pa	Weston Instruments Div	1511 N. Front St, Harrisburg, Pa	CE8-4276
Pa	Weston Instruments Div	101 N. 33rd St, Philadelphia 4, Pa	BA2-6458
RI	Weston Instruments Div	66 Central St, Wellesley 81, Mass	ST5-5161
SC	Ranson, Wallace & Co	Box 8762, W. Hampton Sta, Richmond, Va	AT8-8758
SD	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Tenn	Weston Instruments Div	2917 Sanderson Rd, Knoxville 21, Tenn	KN5-5632
Tex	Weston Instruments Div	3405 Mercer, Houston 27, Tex	JA6-4115
Utah	Peterson Co., Inc	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Vt	Weston Instruments Div	66 Central St, Wellesley 81, Mass	CE5-4300
Va	Ranson, Wallace & Co	Box 8762, W. Hampton Sta, Richmond, Va	AT8-8758
Wash	Weston Instruments Div	831 Airport Way, Seattle 4, Wash	MU2-3355
W. Va	R F Clark Co	1409 Clark Bldg, Pittsburgh 22, Pa	AT1-8089
Wisc	Weston Instruments Div	617 N. 2nd St, Milwaukee 3, Wisc	BR2-1538
Wyo	Peterson Co., Inc	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
Foreign	Daystrom International	100 Empire St, Newark, NJ	BI8-2141
	DAYSTROM-TRANSICOIL CORP	**Worcester, Montgomery County, Pa**	**JU4-2421**
	DAYTON ROGERS MFG CO	**2824 13 Ave, S., Minneapolis 7, Minn**	
	DAYTRONIC CORP	**223-227 S. Jefferson St, Dayton, Ohio**	**BA4-1621**
Ala	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Alaska	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Alaska	Arva Inc	1238 N.W. Glisan, Portland, Ore	CA2-7337
Ariz	McCarthy Associates	111 W. Osborn Rd, Phoenix, Ariz	CR9-1891
Cal	McCarthy Associates	1055 E. Walnut, Pasadena, Cal	MU1-7411
Cal	McCarthy Associates	635 Oak Grove, Menlo Park, Cal	DA6-7937
Cal	McCarthy Associates	3460 Ingraham St, San Diego 9, Cal	BE9-4015
Conn	Broger Instrument Sales Co., Inc	443 Winthrop Ave, New Haven 15, Conn	SP7-6279
Del	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
Ga	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Hawaii	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Hawaii	Arva Inc	1238 N.W. Glisan, Portland, Ore	CA2-7337
Idaho	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Idaho	Arva Inc	1238 N.W. Glisan, Portland, Ore	CA2-7337
Ill	Anderson Automation	16 E. View St, Lombard, Ill	MA7-1094
Ind	Anderson Automation	16 E. View St, Lombard, Ill	MA7-1094
Kan	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City, Mo	HI4-6744
Me	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 46, Mass	BE2-4804
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 46, Mass	BE2-4804
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Mo	Harris-Hanson	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mo	Harris-Hanson	7916 Paseo Ave, Kansas City, Mo	HI4-6744
Mont	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Mont	Arva Inc	1238 N.W. Glisan, Portland 9, Ore	CA2-7337
Nev	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
NH	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 48, Mass	BE2-4804
NJ	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
NY	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
NC	Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Ohio	S Sterling Co	363 W. First St, Dayton 2, Ohio	BA8-8794
Ore	Arva Inc	1238 N.W. Glisan, Portland 9, Ore	CA2-7337
Pa	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
RI	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 48, Mass	BE2-4804
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Tenn	Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 48, Mass	BE2-4804
Va	Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Wash	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
W.Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Wisc	Anderson Automation	16 E. View St, Lombard, Ill	MA7-1094
	DEAN & BENSON RESEARCH DIV OF BENSON MFG CO	**Kansas City 1, Mo**	**BE1-8300**
Cal	Transdynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6261
Cal	Transdynamics Inc	2866 Fourth Ave, P.O. Box 3476, San Diego 3, Cal	CY8-8215
Cal	Transdynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Colo	Transdynamics Inc	3385 S. Bannock St, Englewood, Colo	SU9-1544
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5586
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE3-1330
Md	Aerol Associates Inc	6803 York Rd, Baltimore 12, Md	DR7-8110
Mass	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
Mo	Aerol Associates Inc	Box 6217, Lambert Airport, Mo	PE1-6853
NJ	Aerol Associates Inc	1180 Raymond Blvd, Newark, NJ	MA3-0336
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	Aerol Associates Inc	103 Pickwick Rd, Dewitt, NY	GI6-4560
Ohio	Aerol Associates Inc	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Tex	Transdynamics Inc	334 W. Hurst Blvd, Hurst, Tex	AT4-6788
Wash	Transdynamics Inc	1215 Poplar Pl, Seattle 44, Wash	EA4-0366
	DEARBORN ELECTRONIC LAB INC	**1421 N. Wells St, Chicago, Ill**	**WH3-2412**
Ariz	Perlmuth Electronic Associates	5057 W. Washington, Los Angeles, Cal	WE1-1041
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, Los Angeles	WE1-1041
Colo	T M T Associates	Industrial Park, Boulder, Colo	HI2-3837
Conn	Cirolia LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
DC	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Fla	W B Wimberly Co	532 S. Ft Harrison, Clearwater, Fla	DE3-5434
Ill	S C Blaker & Co	2353 N. California Ave, Chicago, Ill	BR8-1220
Ind	S C Blaker & Co	2353 N. California Ave, Chicago, Ill	BR8-1220
Iowa	T H Ellis	2201 Grand Ave, Kansas City, Mo	BA1-0260
Kan	T H Ellis	2201 Grand Ave, Kansas City, Mo	BA1-0260
Me	Cirolia LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
Md	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Mass	Cirolia LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
Mich	S C Blaker Co	2353 N. California Ave, Chicago, Ill	BR8-1220
Minn	S C Blaker Co	2353 N. California Ave, Chicago, Ill	BR8-1220
Mo	T H Ellis	2201 Grand Ave, Kansas City, Mo	BA1-0260
Mont	T R Van Wagoner	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Neb	T H Ellis	2201 Grand Ave, Kansas City, Mo	BA1-0260
Nev	Perlmuth Electronic Associates	5057 W. Washington, Los Angeles, Cal	WE1-1041
NH	Cirolia LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
NJ	M W Stollnack	67 Dorchester Rd, Emerson, NJ	CO1-2313
NY	M W Stollnack	67 Dorchester Rd, Emerson, NJ	CO1-2313
Ohio	Allen Nace Co	P.O. Box 146, Brecksville, Ohio	JA6-4323
Ore	James Findlay Co	P.O. Box 717, Bellevue, Wash	GI5-200
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Pa	Allen Nace Co	P.O. Box 146, Brecksville, Ohio	JA6-4323
RI	Cirolia, LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
Utah	T R Van Wagoner	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Vt	Cirolia LeBlanc Sales Co., Inc	885 Main St, Waltham, Mass	TW4-2977
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Wash	James Findlay	P.O. Box 717, Bellevue, Wash	GI5200
W. Va	Allen Nace Co	P.O. Box 146, Brecksville, Ohio	JA6-4323
Wisc	S C Blaker & Co	2353 N. California Ave, Chicago, Ill	BR8-1220
Wyo	T R Van Wagoner	1415 S. Main St, Salt City, Utah	IN6-2461
Foreign	Carrington H Stone	205 W. Wacker Dr, Chicago, Ill	RA6-7725
	DECADE INSTRUMENT CO	**Box 153, Caldwell, NJ**	
	DECIMETER PRODUCTS CO	**Star Rt, Box 67, Littleton, Colo**	**MA9-4703**
	DECOURSEY ENGINEERING LAB	**11828 W. Jefferson, Culver City, Cal**	**EX7-9668**
	DECKER CORP	**45 Monument Rd, Bala-Cynwyd, Pa**	**MO4-6200**
Alaska	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
Cal	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
Colo	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
Conn	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
Idaho	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
Me	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
Mass	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
Nev	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
NH	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
NM	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
RI	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
Utah	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
Vt	Yale Associates	14 Everett Paine Blvd, Marblehead, Mass	NE1-0068
Wash	The Decker Corp	3522 Geary Blvd, San Francisco 18, Cal	SK2-0846
	DEE ELECTRIC CO	**1101 N. Pauline St, Chicago 22, Ill**	**BE5-5151**
Cal	Claude Michael Agency	703 W. Ivy St, Glendale 4, Cal	CH5-8401
	DEECO INSTRUMENTS	**14737 Arminta St, Van Nuys, Cal**	**TR3-3911**
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Del	F D Marcy Associates	1922 Raymond Commerce Bldg, Newark, NJ	MA2-1315
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Iowa	G E Ameson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Kan	Thomson Engineering Service	2520 Oaklawn, Dallas 10, Tex	FL2-7885
Md	F D Marcy Associates	Raymond Commerce Bldg, Newark, NJ	MA2-1315
Minn	G E Ameson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Mo	Thomson Engineering Service	8230 Forsyth Blvd, St. Louis 5, Mo	PA7-7705
NJ	F D Marcy Associates	Raymond Commerce Bldg, Newark, NJ	MA2-1315
NY	F D Marcy Associates	Raymond Commerce Bldg, Newark, NJ	MA2-1315
Ohio	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton 4, Ohio	BE3-3551
Pa	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton 4, Ohio	BE3-3551
Pa	F D Marcy Associates	Raymond Commerce Bldg, Newark, NJ	MA2-1315
SC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Tex	Thomson Engineering Service	2520 Oaklawn, Dallas 19, Tex	FL2-7885
Wash	F D Marcy Associates	Raymond Commerce Bldg, Newark, NJ	MA2-1315
Wisc	G E Ameson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
	DEFIANCE PRINTED CIRCUIT CORP	**81 Albion St, Wakefield, Mass**	**CR6-5311**
NY	Alkert Clarfield Sales	90 Roberts Pl, Roosevelt, NY	PL7-6454
	DEHAVILLAND AIRCRAFT SPEC PRODS DIV	**Downsview, Ont, Canada**	**ME3-7310**
Ariz	Joe Davidson & Associates	P.O. Box 108, Southgate, Cal	NE6-2245

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Joe Davidson & Associates	P.O. Box 108, Southgate, Cal	NE6-2245
Nev	Joe Davidson & Associates	P.O. Box 108, Southgate, Cal	NE6-2245
	DEITZ CO., S J	**9 E. Wesley, S. Hackensack, NJ**	
	DEJUR-AMSCO CORP	**Northern Blvd at 45th St, Long Island City 1, NY**	**RA7-4008**
Ariz	Fred Schoeffler Associates	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
Cal	Dejur-Amsco Corp	11650 W. Olympic Blvd, Los Angeles 64	BR2-0931
Colo	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Del	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
D C	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
Idaho	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Ill	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Ind	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Ky	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Md	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
Mich	Burcaw-Cowen & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
Minn	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	Logan & Stone Co	1485 Bayshore Ave, San Francisco, Cal	DE4-1200
N M	Fred Schoeffler Associates	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
NC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
ND	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Ohio	DeJur-Amsco Corp	420 N. Michigan Ave, Chicago 4, Ill	WH3-0363
Ore	Roy H Cooley & Associates	101 Jones Bldg, Seattle 1, Wash	MU2-4567
Pa	Edward Brautigam	42 Trellis Rd, Levittown, Pa	WI9-1733
SC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
SD	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Utah	Fred Schoeffler Associates	P.O. Box 6073, Charlotte 7, NC	AX8-6173
Wash	Roy H Cooley & Associates	101 Jones Bldg, Seattle 1, Wash	MU2-4567
Wisc	William Thompson	2523 E. Armour Ave, Milwaukee, Wisc	HU1-0766
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto, Ontario, Canada	RU1-6174
	DEL ELECTRONICS CORP	**521 Homestead Ave, Mt. Vernon, NY**	**OW9-2000**
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
Cal	Landis Associates	1531 S. Robertson Blvd, L A 35, Cal	BR2-7538
Conn	Saul Cohen	Box 35, Newton Centre, Mass	KE6-8581
Del	Component Engineering Associates	3 A 28th St, New York 1, NY	LE2-6944
DC	Component Engineering Associates	3 A 28th St, New York 1, NY	LE2-6944
Ill	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ind	Ben Z Rubin Co	515 E. Grand Ave, Springfield, Ohio	FA2-5893
Ky	Ben Z Rubin Co	515 E. Grand Ave, Springfield, Ohio	FA2-5893
Me	Saul Cohen	Box 35, Newton Centre, Mass	KE6-8581
Md	Component Engineering Associates	3 A 28th St, New York 1, NY	LE2-6944
Mass	Saul Cohen	Box 35, Newton Centre, Mass	KE6-8581
Mich	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
NH	Saul Cohen	Box 35, Newton Centre, Mass	KE6-8581
NJ	S Grassman Associates	28 Prestwick Terr, Glencove, NY	OR6-1039
NY	S Grassman Associates	28 Prestwick Terr, Glencove, NY	OR6-1039
Ohio	Ben Z Rubin Co	515 E. Grand Ave, Springfield, Ohio	FA2-5893
Va	Component Engineering Associates	3 A 28th St, New York 1, NY	LE2-6944
Wisc	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
	DELANDRI PREC ELEMENTS CO., INC	**39 School St, Yonkers, NY**	**GR6-3478**
	DELCO RADIO DIV GM CORP	**700 E. Firmin St, Kokomo, Ind**	**GL2-8211**
Cal	Delco Radio	726 Santa Monica Blvd, Santa Monica, Cal	EX3-1465
Ill	Delco Radio	5760 W. 21st St, Chicago, Ill	PO9-3500
Mich	Delco Radio	57 E. Harper, Detroit, Mich	TR3-6560
NJ	Delco Radio	1180 Raymond Blvd, Newark, NJ	MI2-6165
	DELEVAN ELECTRONICS CORP	**77 Cleveland Rd, E. Aurora, NY**	**CY3600**
Ariz	C R Lynch & Son	3307 Glendale Blvd, Los Angeles 39, Cal	NO3-8236
Ark	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Cal	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
Cal	C R Lynch & Son	3307 Glendale Blvd, Los Angeles, Cal	NO3-8236
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Del	C H Newson & Associates Inc	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
DC	C H Newson & Associates Inc	17 Crofton Rd, Lutherville, Md	VA3-0431
Idaho	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	SE4-7671
Ill	W F Hamilton Co	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
Ill	E W McGrade Co	1100 S. Brentwood, St. Louis, Mo	PA5-6550
Ind	W W Bieberich & Sons	2817 Plaza Dr, Ft. Wayne 5, Ind	KE2928
Iowa	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Kan	E W McGrade Co	Box 8876, Prairie Village Sta, K C, Mo	RA2-0758
Ky	W W Bieberich & Sons	2817 Plaza Dr, Ft. Wayne 5, Ind	KE2928
La	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Me	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA2-5950
Md	C H Newson & Associates Inc	17 Crofton Rd, Lutherville, Md	VA3-0431
Mass	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA2-5950
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Mo	E W McGrade Co	Box 8876, Prairie Village Sta, Kansas City	RA2-0758
Mont	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	SE4-7671
Neb	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Nev	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
Nev	C R Lynch & Son	3307 Glendale Blvd, Los Angeles 39, Cal	NO3-8236
NH	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
NJ	O P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NJ	C H Newson & Associates Inc	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
NM	Hyde Electronics Co	5206 Constitution, N.E., Albuquerque	AM8-1111
NY	O P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NY	Naylor Electric Co., Inc	1718 Erie Blvd, E., Syracuse 3, NY	GR2-9183
ND	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland 21, Ohio	EV1-9049
Okla	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Ore	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	SE4-7671
Pa	C H Newson & Associates Inc	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
RI	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
SD	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	P-J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Va	C H Newson & Associates Inc	17 Crofton Rd, Lutherville, Md	VA3-0431
Wash	Dale G Weber Co	637 N. 183rd St, Seattle 77, Wash	LI2-4330
Wisc	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Wisc	W F Hamilton Co	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
	DELMHORST INSTRUMENT CO	**601 Cedar St, Boonton, NJ**	**DE4-2557**
	DELSEN CORP	**719 W. Broadway, Glendale, Cal**	**CH5-8517**
Ariz	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL4-4664
Cal	E V Roberts & Associates	5068 W. Washington Blvd, Los Angeles	WE8-2541
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Cal	E V Roberts & Associates	4379 14th St, San Diego 4, Cal	AT1-6787
Conn	R S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
Ill	George H Anderson & Associates	447 Highcrest Dr, Wilmette, Ill	AL1-3560
Mich	Lor-Mac Associates	403 Fisher Bldg, Detroit 2, Mich	TR1-7600
NJ	F F Sylvester Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NM	E V Roberts & Associates	5100 Grand Ave, N.E., Albuquerque, NM	AL5-2644
Wisc	J W Copps Inc	333 W. Silver Spring Dr, Milwaukee 17	WO2-1211
	DELTA CHEMICAL WORKS	**21 W. 60th St, New York, NY**	
	DELTA COILS INC	**1128 Madison Ave, Paterson, NJ**	**MU4-5878**
Colo	Fox Sales Co	P.O. Box 4201, Denver Sta, S. Denver	PE3-6372
Ga	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Ill	KaDell Sales Co	5875 N. Lincoln Ave, Chicago, Ill	LO1-3042
Mich	Moore Sales Co	401 Margaret St, W., Detroit, Mich	TU3-0218
NJ	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
Ohio	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland	LA1-7268
Ore	Weber Sales	8 S.E. Clay St, Portland, Ore	
Tex	Fred Gross & Co	P.O. Box 1926, Dallas, Tex	
	DELTA DESIGN INC	**7460 Girard Ave, LaJolla, Cal**	**GL4-1185**
Ariz	Howe & Howe	P. O. Box 10497, Phoenix, Ariz	AM5-9185
Cal	Hofstrom-Thompson Associates	16212 Ventura Blvd, Encino, Cal	ST8-0800
Cal	Cerruti & Associates	P. O. Box 509, Redwood City, Cal	EM9-3354
Colo	Electronic Components Sales Inc	2149 S. Clermont St, Denver 22, Colo	SK7-1322
Conn	Saunders & Co	8 Prospect, Waltham 54, Mass	TW4-6071
Del	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
DC	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
Fla	W Ben Wimberly Co	532 S. Ft. Harrison Ave, Clearwater, Fla	CL3-7072
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates Inc	1224 N. Capitol Ave, Indpls 2, Ind	ME5-2401
Iowa	Ridgway Associates Inc	1224 N. Capitol Ave, Indpls 2, Ind	ME5-2401
Mass	Saunders & Co	8 Prospect, Waltham 54, Mass	TW4-6071
Mich	J L Pierce Co	16666 James Couzens Hwy, Detroit 21	UN2-2571
Mo	Lee-Mark Associates Inc	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Mo	Lee-Mark Associates Inc	P. O. Box 8467, Kansas City 14, Mo	NI2-3313
NJ	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NY	D B Associates Inc	P. O. Box 284, DeWitt, Syracuse, NY	GI6-0220
NY	Central Associates	11 Neil Dr, Old Bethpage, NY	PY6-0577
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland 13, Ohio	SU1-1855
Ohio	Lowry Dietrich Co	333 W. 1st St, Dayton 2, Ohio	BA3-6042
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Pa	Lawrence C Fuller	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Tex	Campion Sales	9002 Chancellor Row, Dallas, Tex	
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Canada	Glendon Co	603 Evans Ave, Toronto 14, Ontario, Can	CL5-5001
	DELTA-F INC	**113 E. State St, Geneva, Ill**	**CE2-7600**
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Ariz	J S Kempf Co	10304 Prairie Ave, Inglewood, Cal	OR4-2165
Cal	J S Kempf Co	10304 Prairie Ave, Inglewood, Cal	OR4-2165
Conn	Dea Co	30 Arlington St, Lynnfield Center, Mass	ED4-3575
Del	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
DC	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Fla	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Ill	Walter F Marsh Associates	244 Chicago Ave, Oak Park, Ill	EU6-2967
Md	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Mass	Dea Co	30 Arlington St, Lynnfield Center, Mass	ED4-3575
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Nev	J S Kempf Co	10304 Prairie Ave, Inglewood, Cal	OR4-2165
NH	Dea Co	30 Arlington St, Lynnfield Center, Mass	ED4-3575
NJ	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
NM	Fred A Pease	4921 E. 38th Ave, Denver, Colo	FR7-2336
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester, NY	HI5-0450
NY	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
Ohio	Robert R Stone Associates	1925 Lee Rd, Cleveland Hghts, Ohio	ER1-4484
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Pa	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Pa	Robert R Stone Associates	1925 Lee Rd, Cleveland Hghts, Ohio	ER1-4484
RI	Dea Co	30 Arlington St, Lynnfield Center, Mass	ED4-3575
SD	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Utah	Fred A Pease	4921 E. 38th Ave, Denver, Colo	FR7-2336
Vt	Dea Co	30 Arlington St, Lynnfield Center, Mass	ED4-3575
Va	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Wash	Lawrence C Fuller Jr	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
W. Va	Robert R Stone Associates	1925 Lee Rd, Cleveland Hghts, Ohio	ER1-4484
Wisc	Walter F Marsh Associates	244 Chicago Ave, Oak Park, Ill	EU6-2967
Canada	E G Lomas	227 Laurier Ave, W., Ottawa 4, Canada	
	DELTEX ELECTRONIC DIV DELTA EXPLOR CO., INC	**Drawer 2666, Jackson, Miss**	**FL5-9636**
	DELTRON INC	**4th & Cambria, Phila 33, Pa**	**RE9-1559**
Ala	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	Robert G Moye Co	Box 224, Alhambra, Cal	CU3-1669
Ark	F Gross & Co	Box 1926, Dallas 21, Tex	
Cal	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0395
Conn	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
Del	Chas E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
DC	Chas E Babcock Co	430 Huntington Dr, Wayne Pa	MU8-8288
Fla	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Ga	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Ill	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Me	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
Md	Chas E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Mass	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
Nev	Robert G Moye Co	Box 224, Alhambra, Cal	CU3-1669
NH	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
NJ	DuBovy Associates	144-45 35th Ave, Flushing, NY	FL3-6963
NY	DuBovy Associates	144-45 35th Ave, Flushing, NY	FL3-6963
NC	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Ohio	Edward E Bock Associates	3870 W. 212th St, Cleveland 26, Ohio	ED1-5212
Okla	Fred Gross & Co	Box 1926, Dallas 21, Tex	
Pa	Chas E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
RI	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
SC	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Tenn	E C Raymond Co	Box 8215, Madeira Beach, Fla	WA1-9735
Vt	E A Janse Associates	354 Washington St, Wellesley Hills, Mass	CE5-1623
Va	Chas E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Wisc	Bauman & Bluzat Co	2753 W. North Ave, Chicago 47, Ill	HU6-6809
	DELTRONICS INC	**100 Mouton St, Providence 9, RI**	**EL1-3525**
	DELUXE COILS INC	**Box 454, Wabash, Ind**	**1720**
Cal	Philip Heckendorn	803 Houseman St, La Canada, Cal	SY0-2869
Conn	James E Brumbaugh	78 Hilltop Dr, W., Hartford, Conn	JA3-8568
DC	C P Skenes	P.O. Box 5516, Washington 16, DC	WH6-1512
Ill	H W McKown	245 Hampshire Ln, Crystal Lake, Ill	2235
NY	Martin P Andrews Inc	319 Kott Rd, Fayetteville, NY	NE7-6405
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9320
Pa	David Humes Jr	124 Lee Circle, Bryn Mawr, Pa	LA5-6469
Tex	Jack E White	5943 Willow Ln, Dallas 30, Tex	AD9-3404
	DEMOLAB CORP	**1550 N. Highland Ave, Hollywood, Cal**	
	DEMORNAY-BONARDI	**780 S. Arroyo Pkwy, Pasadena, Cal**	**SY2-4142**
Ala	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	1086
Ariz	G E Moxon Sales	489 S. Robertson, Beverly Hills, Cal	BR2-9311
Ark	Mitchell Spears Co	3801 Westcliff Rd, S., Ft. Worth, Tex	WA6-4444
Cal	G E Moxon Sales	489 S. Robertson, Beverly Hills, Cal	BR2-9311
Cal	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0396
Colo	Kelley Enterprises	336 E. Fourth St, Loveland, Colo	
Conn	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Del	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	1086
Ga	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	1086
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Ky	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
La	Mitchell Spears Co	3801 Westcliff Rd, S., Ft. Worth, Tex	WA6-4444
Me	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis 27	LI5-4481
Miss	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	1086
Mo	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Neb	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Nev	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0396
NH	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	L & M Associates	P.O. Box 641, Fair Lawn, NJ	DI3-3070
NM	G E Moxon Sales	489 S. Robertson, Beverly Hills, Cal	BR2-9311
NY	J A Reagon Co., Inc	45 N. Lake Ave, Albany, NY	
NY	L & M Associates	P.O. Box 641, Fair Lawn, NJ	DI3-3070
NC	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
ND	Hugh Marsland & Co	231 N. Edgewood, Minnpls 27, Minn	LI5-4481
Ohio	Edmund C Frost & Co	1545 Chelmsford R., Mayfield Heights, Ohio	
Okla	Mitchell Spears Co	3801 Westcliff Rd, S., Ft. Worth, Tex	WA6-4444
Ore	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0396
Pa	L & M Associates	488 Clapier St, Philadelphia, Pa	GE8-5666
RI	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
SD	Hugh Marsland & Co	231 N. Edgewood Ave, Minnpls 27, Minn	LI5-4481
Tenn	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Tex	Mitchell Spears Co	3801 Westcliff Rd, S., Ft. Worth, Tex	WA6-4444
Vt	Instruments Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	
Wisc	Hugh Marsland & Co	231 N. Edgewood Ave, Minnpls 27, Minn	LI5-4481
Canada	Bayly Engineering Ltd	Hunt St, Ajax, Ontario, Canada	118
Belgium	Daniel Delgay	58a Chausse de Charleroi, Brussels, Belgium	
France	Megex	105 Quai Branly, Paris 15e, France	
W.Germany	Megex	Schlosshof 4 Merfeld u/Dulmen Westpmalen, Germany	
	DENISON ENGRG DIV AM BR SHOE CO	**1160 Dublin Rd, Columbus 16, Ohio**	**HU8-1191**
Cal	Denison Engineering Div	1681 E. E. Second Blvd, Hawthorne, Cal	PL7-2246
Ga	Denison Engineering Div	1849 Cheshire Bridge Rd, N.E., Atlanta	TR5-9394
Ill	Denison Engineering Div	7000 N. 63rd St, Chicago 38, Ill	LU5-3737
Mich	Denison Engineering Div	900 W. Maple Rd, Troy, Mich	JU8-2800
NJ	Denison Engineering Div	315 Central Ave, Clark, NJ	FU1-2929
Ohio	Denison Engineering Div	5530 State Rd, Cleveland 34, Ohio	FL1-4040
Tex	Denison Engineering Div	3315 W. 12th St, Houston, Tex	UN9-3776
	DENNISON MFG CO	**300 Howard St, Framingham, Mass**	**TR3-3511**
Cal	Dennison Mfg Co	235 Montgomery St, San Francisco 4, Cal	DO2-6930
Cal	Dennison Mfg Co	315 W. Ninth St, Los Angeles 15, Cal	MA7-3814
Ill	Dennison Mfg Co	64 E. Randolph St, Chicago 1, Ill	RA6-2010
Mass	Dennison Mfg Co	38 Chauncy St, Boston 11, Mass	HU2-7010
NY	Dennison Mfg Co	370 Lexington Ave, New York 17, NY	MU3-4360
Ohio	Dennison Mfg Co	1010 Euclid Ave, Cleveland 15, Ohio	CH1-2060
Ore	Dennison Mfg Co	430 S.W. Morrison St, Portland 4, Ore	CA8-0697
Pa	Dennison Mfg Co	1405 Locust St, Philadelphia 2, Pa	KI5-7040
	DENSON ELECTRONICS CORP	**Box 85, Rockville, Conn**	**TR5-5198**
	DERINGER METALLURGICAL CORP	**8131 N. Monticello Ave, Skokie, Ill**	**KE9-8502**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Ariz	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Cal	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Conn	F E Kauer Co	155 Island Brook, Bridgeport, Conn	ED5-9629
Idaho	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Me	F E Kauer	155 Island Brook, Bridgeport, Conn	ED5-9629
Mass	F E Kauer	155 Island Brook, Bridgeport, Conn	ED5-9629
Mont	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Nev	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
NH	F E Kauer	155 Island Brook, Bridgeport, Conn	ED5-9629
NM	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
NY	Robert Fowler	3700 E. Ave, Rochester 18, NY	LU6-0468
Ore	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
RI	F E Kauer Co	155 Island Brook, Bridgeport, Conn	ED5-9629
Utah	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Vt	F E Kauer Co	155 Island Brook, Bridgeport, Conn	ED5-9629
Wash	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Wyo	Carl E Holmes	106 N. Ave 64, Los Angeles 42, Cal	CL6-2255
	DESIGN TOOL CORP	**772 Bergen St, Brooklyn 38, NY**	**ST3-3491**
Ariz	Claude Michaels Agency	703 W Ivy St, Glendale 4, Cal	CH5-8401
Cal	Claude Michaels Agency	703 W. Ivy St, Glendale, 4, Cal	CH5-8401
Conn	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
Ill	Emf Co	1645 W. Wabansia Ave, Chicago 22, Ill	AR6-8780
Mass	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
NH	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
RI	Connectronics	669 South Ave, Weston 93, Mass	CE5-2165
Wisc	EMF Co	1645 W. Wabansia Ave, Chicago 22, Ill	AR6-8780
	DESIGNERS FOR INDUSTRY	**4241 Fulton Pkwy, Cleveland 9, Ohio**	**SH9-0700**
Ala	Robert B Willhoite	111 Carolyn Ave, Panama City, Fla	
Ariz	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Ark	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ark	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Colo	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Conn	Berle, Alf K	35 Westfield St, Dedham, Mass	DA6-4266
DC	Halleck, K D	Hotel Continental, Wash, DC	NA8-1672
Fla	Robert B Willhoite	111 Carolyn Ave, Panama City, Fla	
Idaho	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Ill	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Ill	Petefish, Lester L	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Ind	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Ind	Petefish, Lester L	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Iowa	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Kan	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
La	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Me	Altenburg, William M	465 Congress St, Portland, Me	SP3-4390
Mass	Berle, Alf K	35 Westfield St, Dedham, Mass	DA6-4266
Mich	Haggard, F L	7891 Gregory Rd, Rt 2, Dexter, Mich	HA6-8294
Minn	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Mo	Petefish, Lester L	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Mont	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Neb	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Nev	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
NH	Altenburg, William M	465 Congress St, Portland, Me	SP3-4390
NJ	Cooper-Clement Assoc	835 Glenside Ave, Wyncote, Pa	LI8-5450
NM	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
ND	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Ohio	Haggard, F L	7891 Gregory Rd, Rt 2, Dexter, Mich	HA6-8294
Okla	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Reiber, Emerson F	Box 1621, Seattle 55, Wash	EM2-0745
Pa	Cooper-Clement Assoc	835 Glenside Ave, Wyncote, Pa	LI8-5450
Pa	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
RI	Berle, Alf K	35 Westfield St, Dedham, Mass	DA6-4266
SD	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 25, Colo	BE7-3467
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Utah	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 25, Colo	BE7-3467
Vt	Altenburg, William M	465 Congress St, Portland, Me	SP3-4390
Wash	Reiber, Emerson F	Box 1621, Seattle 55, Wash	EM2-0745
Wisc	Cook, Marvin	1175 Waukegan Rd, Deerfield, Ill	WI5-2043
Wyo	Brown Technical & Assoc Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Canada	Radionics Limited	8230 Maynard St, Montreal 9, Que, Can	RE9-5517
	DESPATCH OVEN CO	**Minneapolis, Minn**	**FE1-1873**
Ala	Willcox & Allen Co	900 S. 27th St, Birmingham 1, Ala	AL1-0271
Ariz	TC Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Ark	Bishop Engineering Co	Box 7031, Tulsa 5, Okla	RI2-2371
Cal	Lombard Smith Co	714 W. Olympic Blvd, L A, Cal	RI8-5345
Cal	Matheson-Doherty Co	225 Shaw Rd, S. San Francisco, Cal	PL5-7920
Colo	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Conn	Etter Engineering Co	Box 1944, New Haven, Conn	AT8-1115
Del	Etter Engineering Co	P.O. Box 1944, New Haven, Conn	AT8-1115
DC	Day Engineering Co	P.O. Box 535, King of Prussia, Pa	BR9-0100
Fla	Linder Ind Eng Co	4717 S. Florida Ave, Lakeland, Fla	MU6-5135
Ga	Steve Palmer & Co	197 Peters St, S.W., Atlanta 3, Ga	JA3-6209
Idaho	H E Hartley Co	Boeing Field, Box 81, Seattle 8, Wash	PA5-7120
Ill	G A Newholm	4906 N. Hermitage Ave, Chicago 40, Ill	LO1-2885
Ill	Beaco Equipment Co	9328 Manchester Rd, St. Louis, Mo	WO1-6096
Ind	Wright Engineering Co	412 Stanley Ave, Evansville 11, Ind	HA5-7069
Iowa	Foundry Supply Co	650 25th Ave, S.E., Minneapolis 14, Minn	FE9-0231
Kan	Flarsheim Co	647 W. 39th St, Kansas City 11, Mo	WE1-1541
Ky	Wright Engineering Co	412 Stanley Ave, Evansville 11, Ind	HA5-7069
La	Haylett O'Neill & Son	2510 Travis St, Houston, Tex	JA9-3879
Me	Etter Engineering Co	Box 1944, New Haven, Conn	AT8-1115
Md	Day Engineering Co	Box 535, King of Prussia, Pa	BR9-0100
Mass	Etter Engineering Co	Box 47, Waltham, Mass	TW3-8658
Mich	Schaffer Engineering Co	9002 Livernois, Detroit 4, Mich	WE3-8865
Minn	Foundry Supply Co	650 25th Ave, S.E., Minnpls, Minn	FE9-0231
Miss	Willcox & Allen Co	900 S. 27th St, Birmingham 1, Ala	AL1-0271
Mo	Beaco Equipment Co	9328 Manchester Rd, St. Louis, Mo	WO1-6096
Mont	H E Hartley Co	Boeing Field, Box 81, Seattle, Wash	PA5-7120
Nev	Matheson-Doherty Co	225 Shaw Rd, S. San Francisco, Cal	PL5-7920
NH	Etter Engineering Co	Box 1944, New Haven, Conn	AT8-1115
NJ	Gerald B Duff & Co	2165 Morris Ave, Union, NJ	MU6-1747
NM	T C Jarrett Co	95 S. Ammons St, Denver, Colo	BE3-2333
NY	E H Seelbach	Box 56, Kenmore Sta, Buffalo 17, NY	DE4014
NY	Gerald B Duff & Co	2165 Morris Ave, Union, NJ	MU6-1747
NC	A C Cavedo	35 Malvern Ave, Richmond 21, Va	EL8-3174

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Ohio	Noble Equipment Co	P.O. Box 67, Lagrange, Ohio	GL8-4651
Okla	Bishop Engineering Co	P.O. Box 7031, Tulsa 5, Okla	RI2-2371
Ore	H E Hartley Co	Boeing Field, Box 81, Seattle, Wash	PA5-7120
Pa	Day Engineering Co	P.O. Box 535, King of Prussia, Pa	BR9-0100
Pa	Leonard R Nourie Inc	2414 W. Liberty Ave, Pittsburgh 26, Pa	LO1-1628
RI	Etter Engineering Co	P.O. Box 161, N. Scituate, RI	NI7-5400
SC	Steve Palmer & Co	197 Peters St, S.W., Atlanta 3, Ga	JA3-6209
Tenn	Craig Industrial Equip Co	1101 Poplar, Memphis 4, Tenn	BR5-5777
Tex	Haylett O'Neill & Son	2510 Travis St, Houston, Tex	JA9-3879
Utah	T C Jarrett Co	95 S. Ammons St, Denver, Colo	BE3-2333
Vt	Etter Engineering Co	Box 1944, New Haven, Conn	AT8-1115
Va	A C Cavedo	35 Malvern Ave, Richmond 21, Va	EL8-3174
Wash	H E Hartley Co	Boeing Field, Box 81, Seattle, Wash	PA5-7120
W. Va	A C Cavedo	35 Malvern Ave, Richmond 21, Va	EL8-3174
Wisc	Allied Eng & Equip Co	7211 W. Fond du Lac Ave, Milwaukee	HO4-4480
Wyo	T C Jarrett Co	95 S. Ammons St, Denver, Colo	BE3-2333
	DESTRON CO	**25914 Chalmette Ave, Rolling Hills Estate, Cal**	**FR8-3450**
	DETECTO SCALES INC	**540 Park Ave, Brooklyn, NY**	**MA4-6100**
	DETREX CHEMICAL INDUSTRIES INC	**Box 501, Detroit 32, Mich**	**TO8-4600**
	DETROIT CONTROLS DIV OF AMERICAN-STANDARD	**5900 Trumbull, Detroit 8, Mich**	**TR2-0300**
	DETROIT STAMPING CO	**350 Midland, Detroit 3, Mich**	
	DEUTSCH CO ELECTRONIC COMPONENTS DIV	**Municipal Airport, Banning, Cal**	**VI9-6701**
Ala	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Ariz	Shefler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz	AL8-7893
Cal	W H Denny Sales Co	Box 7451, San Diego 7, Cal	AC4-3451
Cal	Deere & Graham	1575 Laurel St, San Carlos, Cal	LY1-4423
Colo	Rowley Bouvette Inc	1370 S. Eaton Ct, Denver 26, Colo	WA2-2624
Conn	Deutsch Co	600 Old Country Rd, Garden City, NY	PI1-8033
Conn	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
Del	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
DC	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
Fla	Ludlum Assoc Co	Box 48-1337, Miami 48, Fla	
Fla	Ludlum Associates Co	4471 N. W. 36 St, Miami Springs, Fla	TU5-3611
Ga	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Idaho	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City 7, Utah	DA2-2041
Ill	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Ind	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Iowa	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Kan	Deutsch Co	317 S. St. Francis, Wichita 2, Kan	FO3-0301
Ky	Jay Engr Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Me	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
Md	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
Mass	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
Mich	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Minn	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Mo	Deutsch Co	317 S. St. Francis, Wichita 2, Kan	FO3-0301
NH	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
NJ	Deutsch Co	600 Old Country Rd, Garden City, NY	PI1-8033
NJ	Thomas M Mills Co	13 B Tanner St, Haddonfield, NJ	HA9-1005
NY	Deutsch Co	600 Old Country Rd, Garden City, NY	PI1-8033
NY	Naylor Electric Co., Inc	1718 Erie Blvd, E., Syracuse 3, NY	GR2-9183
NC	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Ohio	Jay Engineering Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Okla	Tex-O-Koma Sales Co	2325B W. Jefferson, Grand Prairie, Tex	CR4-4530
Ore	Norwest Co	210 N. 36 St, Seattle 3, Wash	ME3-3232
Pa	Jay Engr Co	1721 E. 3rd, Dayton 3, Ohio	CL3-2151
Pa	Thomas M Mills Co	13B Tanner St, Haddonfield, NJ	HA9-1005
RI	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
SC	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Tenn	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Tex	Tex-O-Koma Sales Co	2325B W. Jefferson, Grand Prairie, Tex	CR4-4530
Utah	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Vt	Deutsch Co	93 Winfield St, Norwood, Mass	NO7-6464
Va	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
Va	Deutsch Co	303 E. Trinity Ave, Durham, NC	40311
Wash	The Norwest Co	210 N. 36 St, Seattle 3, Wash	ME3-3232
Wisc	R C Whitmore & Assoc	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Wyo	Rowley Bouvette	1370 S. Eaton Ct, Denver 26, Colo	WA2-2624
Foreign	Leach Corp International Div	18435 Susana Rd, Compton, Cal	NE6-1061
Canada	Brian Engr Ltd	5275 Van Horne Ave, Montreal, Can	RE7-2800
	DEVCO ENGINEERING INC	**Pier La, W., Caldwell, NJ**	**CA6-0610**
	DEVELOPMENT ELECTRONICS CORP	**4213 S. Broadway, Los Angeles, Cal**	**AD4-7751**
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	DEVELOPMENT ENGINEERING CO., INC	**9 Crosse St, Norwalk, Conn**	**VI7-7720**
Ala	Maitland K Smith Co	3133 Woodcroft Circle, Birmingham 13, Ala	
Ariz	Carl Herrmann Associates	551 E. Walnut St, Pasadena, Cal	RY1-5111
Cal	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DA6-6033
Ca	Carl Herrmann Associates	551 E. Walnut St, Pasadena, Cal	RY1-5111
Colo	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YL2-2881
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Idaho	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DA6-6033
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Me	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Mich	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Miss	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Mont	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Nev	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
NH	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
NJ	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
NM	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YL2-2881

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	
Pa	C E Snow Co	919 E. Phil-Ellena St, Philadelphia	LI8-8043
RI	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
SC	Maitland K Smith	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Tenn	Maitland K Smith	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Utah	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Vt	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wisc	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Wyo	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
	DEVICE DEVELOPMENT CORP	**428 Boston Post Rd, Weston 93, Mass**	**TW3-0300**
	DEVILBISS CO	**300 Phillips Ave, Toledo 1, Ohio**	**GR4-5411**
Ala	Charles A Walker	1303 W. 35th St, Birmingham 8, Ala	ST6-1263
Ark	J G Farmer Jr	205 East I, N. Little Rock, Ark	SK3-0208
Cal	DeVilbiss Co	1335 N. 10th St, San Jose 12, Cal	CY7-1820
Cal	DeVilbiss Co	6811 E. Slauson Ave, L A 22, Cal	RA3-6307
Colo	Lewis C Weaver Jr	1367 S. Chase St, Denver, Colo	WA2-1045
Conn	A C George	Box 271, R R 1, Ellington, Conn	TR5-2187
Fla	McDuff Cain	1234 7th Ave, N. Jacksonville Beach, Fla	CH9-4022
Ga	DeVilbiss Co	1100 Northside Dr, N.W. Atlanta 18, Ga	TR5-0554
Ill	DeVilbiss Co	1280 W. Washington Blvd, Chicago 7, Ill	CA6-6847
Ill	W R DeVore	529 S. Seventh St, DeKalb, Ill	6-6749
Ind	DeVilbiss Co	132 E. 30th St, Indianapolis, Ind	WA3-9153
Ind	DeVilbiss Co	2609 Broadway, Ft. Wayne, Ind	HA8060
Iowa	E C Connor Jr	338 Hill St, Dubuque, Iowa	2-0308
La	O J Charbonnet	2366 Dreux Ave, New Orleans 22, La	MA6829
Md	E W Gribbins	R D 1, Port Deposit, Md	DR5-7121
Md	DeVilbiss Co	8616 Georgia Ave, Silver Spring, Md	JU7-6808
Mass	Norris-Wiener Inc	35 Dummer St, Brookline 46, Mass	BE2-8480
Mich	DeVilbiss Co	111 Oakman Blvd, Detroit 3, Mich	TO9-8100
Mich	DeVilbiss Co	511 W. Fulton St, Grand Rapids 2, Mich	GL6-1674
Minn	DeVilbiss Co	3016 E. Lake St, Minneapolis 6, Minn	PA9-2339
Mo	DeVilbiss Co	1016 Baltimore St, Kansas City 5, Mo	HA1-2525
Mo	DeVilbiss Co	6265 Clayton Ave, St. Louis 10, Mo	MI7-0306
Neb	R W Bohne	933 N. 74th St, Omaha 14, Neb	TE6188
NJ	DeVilbiss Co	10 Stern Ave, Springfield, NJ	DR6-7900
NC	W L Gilbert Jr	Box 3095, Winston-Salem, NC	PA3-1896
NC	J S McNamara	1100 Roanoke Ave, Charlotte, NC	KE7-4626
Ohio	DeVilbiss Co	4008 E. 89th St, Cleveland 5, Ohio	BR1-6065
Ohio	DeVilbiss Co	3418 Reading Rd, Cincinnati 29, Ohio	CA1-1665
Ohio	DeVilbiss Co	384 W. 1st St, Dayton 2, Ohio	BA8-9203
Okla	W E Pickens	1524 E. 36th St, Tulsa 5, Okla	RI2-9920
Ore	Star Machinery Co	801 S.W. Front Ave, Portland 4, Ore	CA8-7395
Pa	DeVilbiss Co	401 N. Broad St, Philadelphia 8, Pa	WA2-6700
Pa	DeVilbiss Co	505 Plaza Bldg, Pittsburgh 19, Pa	AT1-5358
Tenn	J W Anderson Jr	1285 Parkland Rd, Memphis 11, Tenn	FA7-5222
Tenn	A E Clevenger	1017 Weymouth Ln, Knoxville 6, Tenn	4-3783
Tex	DeVilbiss Co	2468 Irving Blvd, Dallas 7, Tex	RI1-4052
Tex	Omer Rhodes	2365 Dunstan Rd, Houston 5, Tex	JA9-3775
Tex	J R Herring	4202 37th St, Lubbock, Tex	SW9-6726
Utah	Intermountain Jobbers Supply Co	780 S. Third W., Salt Lake City 11, Utah	EL5-7424
Wash	Star Machinery Co	241 Lander St, Seattle 4, Wash	MA3-0760
Wash	Star Machinery Co	E. 415 Sprague, Spokane, Wash	RI7-6121
Wisc	DeVilbiss Co	6915 W. Capitol Dr, Milwaukee 16, Wisc	HO3-5850
Canada	DeVilbiss (Canada) Ltd	P.O. Box 750, Barrie, Ontario, Canada	
Foreign	Matrix S A	Caixa Postal 8344, Sao Paulo, Brazil	
Foreign	Aerograph-DeVilbiss Co Ltd	Lower Sydenham, London S.E. 26, England	
	DEVILBISS METAL FABRICATORS	**5741 Russell, Detroit 11, Mich**	**TR3-2100**
Cal	George B Woodcock & Co	813 N. La Brea, Los Angeles 38, Cal	WE3-9514
Cal	R M Bracamonte & Co	160 Spear St, San Francisco 5, Cal	YU6-6245
Ga	Packageneers Inc	3604 N. Stratford, Atlanta 5, Ga	CE3-5530
Ill	Protective Packaging Co	3116 W. Devon, Chicago 45, Ill	BR4-1973
Mass	Pan-Pak Service	364 S. Westfield, Feeding Hills, Mass	RE9-3893
NY	G[illegible] French Associates	Avon, NY	Av8111
Ohio	R M Reutinger & Associates	Hulman Bldg, Dayton 2, Ohio	BA3-4171
Pa	Leonard Baron Associates	1500 Finance Bldg, Philadelphia 2, Pa	LO3-8473
	DEVON TAPE CORP	**110 Hartford Ave, Mt. Vernon, NY**	**MO4-7616**
Cal	Benard L Cahn	823 Lake St, San Francisco 18, Cal	BA1-5923
Colo	W B Golliher Co	1559 Chester St, Aurora 8, Colo	HI2-7899
Ga	Paul Hayden Associates	116 Nabell Ave, East Point, Ga	PO6-0261-2
Ill	Norton L Friedman Co	2814 W. Balmoral Ave, Chicago 25, Ill	LO1-4257
Mo	Terwilliger Sales Co	9304 High Dr, Kansas City 15, Mo	MI9-0188
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	SP9-7330
Ohio	Fred A Rosenwasser Sales	13769 Cedar Rd, Cleveland 18, Ohio	FA1-0463
Tex	Athans Sales Co	1630 Irving Blvd, Dallas 7, Tex	RI2-4450
	DEWITT DEVELOPMENT CO	**3008 W. 127 St, Blue Island, Ill**	**FU8-2480**
	DIALIGHT CORP	**60 Stewart Ave, Brooklyn 37, NY**	**HY7-7600**
Ala	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ariz	Jack Berman Co	8146 N. First Ave, Phoenix, Ariz	WH5-9321
Ark	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Cal	F W Mouthrop Co	575 Tenth St, San Francisco, Cal	UN3-0445
Cal	Jack Berman Co	1141 S. La Cienega Blvd, Los Angeles,	OL5-8920
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami, Fla	WI5-2962
Fla	Cartwright & Bean	Box 583, Orlando, Fla	GA5-8284
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE2273
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ind	Southern Sales Co	Box 105, Angola, Ind	AN777
Iowa	J T Hersey	2120 Greenwood Ave, S.E., Cedar Rapids,	CE2-2031
Kan	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ky	Southern Sales Co	Box 105, Angola, Ind	AN777
La	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Me	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	TO8-3322

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Mo	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Mont	Burt C Porter Co	1209 Poplar Pl., Seattle, Wash	EA3-8330
Neb	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Neb	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Nev	F W Mouthrop Co	575 Tenth St, San Francisco, Cal	UN3-0445
Nev	Jack S Berman Co	1141 La Cienega Blvd, Los Angeles, Cal	OL5-8920
NH	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
NJ	F F Sylvester Co	649 Morris Ave, Springfield, NJ	DR6-3324
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnwood, Pa	MI2-9100
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
NC	Cartwright & Bean	Box 9203, Plaza Sta, Charlotte, NC	FR6-8648
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Ohio	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Okla	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Ore	Burt C Porter Co	Box 7854, Portland, Ore	AT4-1718
Pa	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Pa	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
RI	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
SC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
SD	R G Ragon Inc	1406 W. Idaho Ave St. Paul, Minn	MI6-6937
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Va	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Wash	Burt C Porter Co	1209 Poplar Pl., Seattle, Wash	EA3-8330
W. Va	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Wisc	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wisc	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Can	PL7-3253
Canada	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330

	DIAL PRODUCTS CO.	**19 Cottage St, Bayonne, NJ**	**HE7-0720**
Ariz	Wesrep Corp	2022 S. Sepulveda, Los Angeles, Cal	BR2-3757
Cal	Wesrep Corp	2022 S. Sepulveda, Los Angeles, Cal	BR2-3757
Conn	Arthur T Hatton Co	1000 Framington Ave, W. Hartford, Conn	AD3-3613
Me	Arthur T Hatton Co	246 Walnut St, Newtonville, Mass	DE2-2021
Mass	Arthur T Hatton Co	246 Walnut St, Newtonville, Mass	DE2-2021
Nev	Wesrep Corp	2022 S. Sepulveda, Los Angeles, Cal	BR2-3757
NH	Arthur T Hatton Co	1000 Framington Ave, West Hartford, Conn	AD3-3613
NJ	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
NM	Wesrep Corp	2022 S. Sepulveda, Los Angeles, Cal	BR2-3757
NY	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
RI	A T Hatton Co	1000 Framington Ave, W. Hartford, Conn	AD3-3613
Vt	A T Hatton Co	246 Walnut St, Newtonville, Mass	DE2-2021

	DIALTRON CORP.	**203 Harrison Pl, Brooklyn 37, NY**	**HY7-7600**
Ala	Cartwright & Bean	560 S. Cooper Ave, Memphis, Tenn	BR5-1914
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle Wash	EA3-8330
Ariz	Jack Berman Co	8146 N. First Ave, Phoenix, Ariz	WH5-9321
Ark	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Cal	Jack Berman Co	1141 S. La Cienega Blvd, Los Angeles	OL5-8920
Cal	F W Mouthrop Co	575 Tenth St. San Francisco, Cal	UN3-0445
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	Beacon 2-2555
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Fla	Cartwright & Bean	20100 N.E. 25th Ct., N. Miami, Fla	WI5-2962
Fla	Cartwright & Bean	P.O. Box 522, Orlando, Fla	GA5-88284
Ga	Cartwright & Bean	3223 Chamblee-Tucker Rd, Atlanta Ga	CE2273
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ind	Southern Sales Co	P.O. Box 105, Angola, Ind	AN777
Iowa	J T Hersey	2120 Greenwood Ave, S.E., Cedar Rapids	CE2-2031
Kan	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ky	Southern Sales Co	P.O. Box 105, Angola, Ind	AN777
La	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Me	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	TO8-3322
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Mo	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Neb	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Neb	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Nev	F W Mouthrop Co	575 10th St, San Francisco, Cal	UN3-0445
Nev	Jack Berman Co	1141 S. LaCienega Blvd, Los Angeles, Cal	OL5-8920
NH	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
NJ	F F Sylvester Co	649 Morris Ave, Springfield, NJ	DR6-3324
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
NC	Cartwright & Bean	Box 9203, Plaza Sta, Charlotte, NC	FR6-8648
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Ohio	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Okla	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Ore	Burt C Porter Co	P.O. Box 7854, Portland, Ore	AT4-1718
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Pa	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Pa	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
RI	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
SC	Cartwright & Bean	Box 9023, Plaza Sta, Charlotte, NC	FR6-8648
SD	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Va	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
W. Va	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	HA0589
Wisc	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wisc	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Foreign	Burt C Porter Co	1209 Poplar Pl., Seattle, Wash, USA	EA3-8330
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Canada	PL7-3253

	DIAMOND ANTENNA & MICROWAVE CORP	**River St, Winchester, Mass**	**PA9-5500**
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
Cal	J T Hill Co	San Gabriel, Cal	AT7-9633
Cal	J T Hill Co	Sandiego, Cal	AC3-7133
Cal	J T Hill Co	San Carlos, Cal	LY3-7693
Mo	Automatic General Sales Co	8890 Lackland Rd, St. Louis 14, Mo	HA8-3934
Neb	Automatic General Sale Co	6550 B Troost Ave, Kansas City, Mo	GR6575
Nev	J T Hill Co	San Carlos, Cal	LY3-7693
NJ	Wally Sholan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NY	Wally Sholan & Co	880 Bergen Ave, Jersey City, NJ	WO2-0365

	DIAMOND CHAIN CO., INC	**402 Kentucky Ave, Indianapolis 7, Ind**	**WE8-6431**
Cal	Diamond Chain Co., Inc	900 Santa Fe Ave, Los Angeles 21, Cal	MA2-1723
Cal	Diamond Chain Co., Inc	595 Santa Cruz Ave, Menlo Park, Cal	DA3-4940
Ga	Diamond Chain Co., Inc	92 Fourteenth St, N.E., Atlanta 9, Ga	TR6-5184
Ill	Diamond Chain Co., Inc	212 S. Marion St, Oak Park, Ill	EU3-1512
Mass	Diamond Chain Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-1390
Mich	Diamond Chain Co., Inc	811 Mich Natl Bk Bldg, Battle Creek	WO3-5364
Minn	Diamond Chain Co., Inc	215 Sixth St, S.E., Minneapolis, Minn	LI6196
NY	Diamond Chain Co., Inc	10 Homer St, Union Springs, NY	UN7-7617
Ohio	Diamond Chain Co., Inc	7351 Hamilton Ave, Cincinnati 31, Ohio	WE1-3302
Ohio	Diamond Chain Co., Inc	17799 Lorain Ave, Cleveland 11, Ohio	WI1-9595
Okla	Diamond Chain Co., Inc	2238 Tenwilleger Blvd, Tulsa 14, Okla	RI2-1960
Pa	Diamond Chain Co., Inc	401 Suburban Sq Bldg, Philadelphia, Pa	MI2-7075
Tex	Diamond Chain Co., Inc	3301 Mockingbird Ln, Dallas 5, Tex	LA8-5387

	DIAMOND DRILL CARBON CO	**244 Madison Ave, New York 16, NY**	**LE2-3006**

	DIAMOND ELECTRONICS DIV DIAMOND POWER SPECIALTY CORP	**Box 415, Lancaster, Ohio**	**OL3-6540**
Ala	Boiler Equipment Service Co	1079 Alco St, Atlanta 5, Ga	ME4-7373
Ariz	C C Moore & Co Engineers	571 Luhrs Bldg, Phoenix, Ariz	AL2-8391
Ark	Process & Power Inc	1565 Harbor Ave, Memphis, Tenn	WH2-3253
Cal	Diamond Power Specialty Corp	4708 Crenshaw Blvd, Los Angeles 43	AX1-0514
Cal	C C Moore & Co Engineers	111 Wilshire Blvd, Los Angeles 17, Cal	HU2-7650
Cal	C C Moore & Co Engineers	450 Mission St, San Francisco, Cal	GA1-3484
Colo	Stearns Roger Mfg Co	660 Bannock St, Denver, Colo	AC2-8484
Conn	Diamond Power Specialty Corp	666 3rd Ave, New York 17, NY	MU2-7080
Del	Emlen-Peterson Co	Montgomery Ln, Radnor, Pa	PO6-4877
DC	Washington Engineering Co., Inc	1025 Connecticut Ave, Wash, DC	ME8-2443
Fla	Boiler Equipment Service Co	Box 13138, Atlanta 24, Ga	ME4-7373
Ga	Boiler Equipment Service Co	Box 13138, Atlanta 24, Ga	ME4-7373
Hawaii	Hawaiian Equipment Co	Box 2990, Honolulu, Hawaii	8-5902
Idaho	Stearns-Roger Mfg Co	40 Richards St, Salt Lake City, Utah	DA2-5821
Ill	Diamond Power Specialty Corp	2207 Bankers Bldg, Chicago, Ill	RA6-4426
Ind	Charles Weber Co	536 Eastern Pkwy, Louisville, Ky	ME7-2574
Iowa	W H Bixby Co	610 Walnut St, Des Moines, Iowa	AT8-0661
Kan	Economy Equipment Co	7341 Broadway, Kansas City 14, Mo	JA3-1010
Ky	Charles Weber Co	536 Eastern Pkwy, Louisville, Ky	ME7-2574
La	A M Duckett & Co	Whitney Bldg, New Orleans, La	JA2-8382
Me	Diamond Power Specialty Corp	10 High St, Boston, Mass	HA6-6676
Md	Curtis Engine & Equipment Co., Inc	2200 Sherwood Ave, Baltimore 18, Md	TL9-3874
Mass	Diamond Power Specialty Corp	10 High St, Boston, Mass	HA6-6676
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit 27, Mich	VE7-8820
Mich	Fulton Radio Supply	1208 Greenwood Ave, Jackson, Mich	ST4-6106
Minn	R G Read Co	15312 Hwy 7, Hopkins, Minn	WE8-2711
Miss	Process & Power Inc	1565 Harbor Ave, Memphis 6, Tenn	WH2-3253
Mo	Economy Equipment Co	7341 Broadway, Kansas City 14, Mo	JA3-1010
Mo	Graybar Elec Co., Inc	1644 Baltimore Ave, Kansas City, Mo	
Mont	Stearns-Roger Mfg Co	40 Richards St, Salt Lake City 1, Utah	DA2-5891
Neb	Stearns-Roger Mfg Co	660 Bannock St, Denver, Colo	AC2-8484
Nev	Stearns-Roger Mfg Co	40 Richards St, Salt Lake City 1, Utah	DA2-5891
NH	Diamond Power Specialty Corp	10 High St, Boston, Mass	HA6-6676
NJ	Emlen-Peterson Co	Montgomery Ln & King of Prussia Rd, Radnor, Pa	
NM	Stearns-Roger Mfg Co	660 Bannock St, Denver, Colo	AC2-8484
NY	Diamond Power Specialty Corp	666 3rd Ave, New York 17, NY	MU2-7080
NC	Brown & Morrison	207 Liberty Life Bldg, Charlotte, NC	ED3-0774
ND	R G Read Co	15312 Hwy 7, Hopkins, Minn	WE8-2711
Ohio	J W Spencer Associates	839 Society for Savings Bldg, Cleveland	MA1-4793
Ohio	Courier	949 N. Third Ave, Columbus, Ohio	AX4-4418
Ohio	Gemco	Box 23, Cincinnati 39, Ohio	CH1-0666
Okla	Graybar Elec Co., Inc	2406 E. 12th St., Tulsa 4, Okla	
Ore	C C Moore & Co Engineers	1120 Failing Bldg, Portland 4, Ore	CA8-9584
Pa	Emlen-Peterson Co	Montgomery Ln & King of Prussia Rd, Radnor, Pa	
Pa	West-Penn Controls Co	Box 11055, Pittsburgh 37, Pa	PO6-4877
RI	Diamond Power Specialty Corp	10 High St, Boston, Mass	HA6-6676
SC	Brown & Morrison	207 Liberty Life Bldg, Charlotte, NC	ED3-0774
SD	R G Read Co	15312 Hwy 7, Hopkins, Minn	WE8-2711
Tenn	Process & Power Inc	1565 Harbor Ave, Memphis 6, Tenn	WH2-3253
Tex	A M Duckett & Co	3464 W. 12th St, Houston 1, Tex	JN9-3711
Utah	Stearns Roger Mfg Co	40 Richards St, Salt Lake City 1, Utah	DA2-5891
Vt	Diamond Power Specialty Corp	10 High St, Boston, Mass	HA6-6676
Va	Berkness Control & Equipment	308 W. Gary St, Richmond 20, Va	MI3-5357
Wash	New Products Inc	6551 Phinney Ave, Seattle 1, Wash	SU3-1900
W. Va	West-Penn Controls Co	Box 11055, Pittsburgh 37, Pa	PO6-4877
Wisc	W Glasmann Co	239 W. Center St, Milwaukee 12, Wisc	FR2-1140
Wyo	Stearns-Roger Mfg Co	660 Bannock St, Denver, Colo	AC2-8484
Foreign	Cleveland Overseas Corp	209 Hanna Bldg, Cleveland 15, Ohio	TO1-5155

	DIAMOND TOOL & HORSESHOE CO	**4702 W. Grand Ave, Duluth, Minn**	**MA4-4858**
	DIAMOND UNION STAMP WORKS	**81 Washington St, Boston 8, Mass**	**LAF3-6700**
	DIAMONITE PRODUCTS MFG CO	**Shreve, Ohio**	**J07-4211**
Ala	V Avis McCorvey Co	403 Cherry St, Gadsten, Ala	JE6-0101
Ariz	Electrical Specialty Co	916 W. Adams, Phoenix, Ariz	
Cal	Electrical Specialty Co	158-168 Eleventh St, San Francisco, Cal	HE1-8450
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles 23, Cal	AN9-9511
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH5-4588
Conn	Henry Lavin Associates, Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Fla	V Avis McCorvey Co	708 San Juan Blvd, Orlando, Fla	CR7-1866
Ga	V Avis McCorvey Co	215 Church St, Decatur, Ga	OR7-6167

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	Harry Halinton	6400 N. Leoti Ave, Chicago 30, Ill	RO3-2132
Mich	Warren E Lammers	15820 Warren Ave, Detroit 24, Mich	TU5-6711
NJ	William S Mills	25 Samson Ave, Madison, NJ	FR7-1747
NY	Wadsworth Mfg Associates	306 Northern Blvd, Albany, NY	36382
NY	Wadsworth Mfg Associates	509 Balsam St, Liverpool, NY	OL2-7043
Ohio	Frank A & Robert H Gold	P.O. Box 765, Cleveland 22, Ohio	LO1-6835
Ohio	Nels G Johnson	333 W. First St, Dayton 2, Ohio	BA2-1732
Ore	Electrical Specialty Co	212 N.W. 14th Ave, Portland 5, Ore	CA7-3188
Pa	Wadsworth Mfg Associates	312 Pine Ave, W., Kane, Pa	1661
Pa	W F Satterthwaite	103 E. Township Rd, Havertown, Pa	SU9-9600
Tex	Ben Kanowsky	5521 Maple, Dallas, Tex	LA1-3191
Wash	Electrical Specialty Co	2406 First Ave, S., Seattle 4, Wash	MA3-8061
Foreign	American Mfgr's Export Assn	P.O. Box 771, Canton 1, Ohio	GL2-6137

	DI/AN CONTROLS INC	**40 Lane St, Boston 15, Mass**	**HI5-5640**
Ariz	Wright Engineering Co	180 E. Calif St, Pasadena, Cal	MU1-8488
Ark	T W Ecklund Co	Box 12151, Ft Worth, Tex	PE6-9773
Cal	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Cal	Jay Stone Associates	P.O. Box 583, Sunnyvale, Cal	
Conn	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Del	S & S Associates Inc	P.O. Box 453, Glen Burnie, Md	SO1-2927
DC	S & S Associates Inc	4509 Calvert Rd, College Park, Md	AP7-3777
Idaho	N R Schultz Co	4227 Airport Way, Seattle, Wash	
La	T W Ecklund Co	P.O. Box 12151, Ft. Worth, Tex	PE6-9773
Md	S & S Associates Inc	P.O. Box 453, Glen Burnie, Md	SO1-2927
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	
Nev	Wright Engineering Co	180 E. Calif St, Pasadena, Cal	MU1-8488
NH	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NJ	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	BR9-7192
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
Ohio	Satullo Co	Roselawn Ctr Bldg, Cincinnati 37, Ohio	
Ohio	Satullo Co	4512 N. Woodward, Royal Oak, Mich	
Ohio	Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	
Okla	T W Ecklund Co	P.O. Box 12151, Ft. Worth, Tex	PE6-9773
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Pa	S & S Associates	780 W. DeKalb Pike, King of Prussia, Pa	BR9-7192
RI	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Tex	T W Ecklund Co	P.O. Box 12151, Ft. Worth, Tex	PE6-9773
Vt	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Foreign	United Industries	Box 1122, Rotterdam, Holland	

	DICE CO J W	**Englewood, NJ**	**LO9-0471**
Ill	Sheretz-Henderson Co	5707 W. Lake St, Chicago 44, Ill	CO1-1032
Ind	Lee Grunkemeyer Co	1344 Meier Ave, Cincinnati, Ohio	EA1-1157
Ky	Lee Grunkemeyer Co	1344 Meier Ave, Cincinnati, Ohio	EA1-1157
Mich	W Antonik	10049 Asbury Park, Detroit 27, Mich	VE6-5108
Ohio	Lee Grunkemeyer Co	1344 Meier Ave, Cincinnati, Ohio	EA1-1157
Tex	Southwestern Gage Co	3030 Dyer St, Dallas, Tex	EM3-1121

	DIEHL MANUFACTURING CO	**1129 Finderne Ave, Somerville, NJ**	**RA5-2200**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-552
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	RY1-3366
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal	DI2-7057
Cal	Luscombe Engineering Co	3150 El Cajon Blvd, San Diego 4, Cal	AT3-2081
Colo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver, Colo	SK6-8627
DC	Remco Engineering Representative	321 E. 45th St, Seattle 5, Wash	ME3-5858
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-9730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ill	Diehl Mfg Co	1019 W. Jackson Blvd, Chicago, Ill	TA9-4556
Mass	Diehl Mfg Co	360 First St, Needham Heights, Mass	HI4-4880
Tex	Air Equipment Sales Co	2608 Inwood Rd, Dallas, Tex	FL2-6943
Wash	Diehl Mfg Co	1707 H St, N.W., Wash 6, DC	DI7-3426

	DIELECTRIC MATERIALS CO.	**5315-17 N. Ravenswood, Chicago, Ill**	**LO1-5833**
	DIELECTRIC PRODUCTS ENGRG CO., INC	**Raymond, Me**	

	DIETZ CO., INC HENRY G	**12-16 Astoria Blvd, Long Island 2, NY**	**RA6-3347**
Ill	Hayden & Co	53 W. Jackson Blvd, Chicago, Ill	WE9-4121

	DIETZ DESIGN INC	**Grandview 6, Mo**	**SO1-7216**

	DIETZGEN CO EUGENE	**2425 N. Sheffield Ave, Chicago 14, Ill**	**LI9-3300**
Cal	Eugene Dietzgen Co	521 Market St, San Francisco 5, Cal	GA1-7550
Cal	Eugene Dietzgen Co	International Airport, Los Angeles 45	EA2-5800
Colo	Eugene Dietzgen Co	1746 California, Denver, Colo	TA5-6369
DC	Eugene Dietzgen Co	407 10th St, N.W., Wash 4, DC	DI7-7560
Fla	Eugene Dietzgen Co	380 W. Grant St, Orlando, Fla	CH1-5671
Kan	Kansas Blue Print Co	117 N. Market St, Wichita 1, Kan	HO4-9344
Ky	Electric Blue Print Supply Co	635 S. 5th St. Louisville 2, Ky	JU4-2265
La	Eugene Dietzgen Co	318 Camp St, New Orleans 12, La	JA5-7121
Mass	Eugene Dietzgen Co	47 Kearney Rd, Needham Heights 94, Mass	HI4-5850
Mich	Eugene Dietzgen Co	2345 Cass Ave, Detroit 1, Mich	WO2-8544
Mo	Eugene Dietzgen Co	1105 E. 81st St, Kansas City 31, Mo	EM3-1350
Mont	Eugene Dietzgen Co	922 Pine St, St. Louis 1, Mo	CH1-7445
NY	Eugene Dietzgen Co	218 E. 23rd St, New York 10, NY	MU9-1040
Ohio	Eugene Dietzgen Co	7633 Production Dr, Cincinnati 37, Ohio	PO1-2724
Ohio	Cleveland Blue Print & Supply Co	1408 Chester Ave, Cleveland 14, Ohio	CA4-5149
Ohio	Atlas Blue Print & Supply Co	74 S. Fourth St, Columbus 15, Ohio	PR1-1722
Ore	Eugene Dietzgen Co	104 S. W. 2nd Ave, Portland 4, Ore	CA8-7205
Pa	Eugene Dietzgen Co	1009 Vine St, Philadelphia 7, Pa	MA7-6201
Pa	Eugene Dietzgen Co	339 Blvd of The Allies, Pittsburgh 22, Pa	AT1-2000
Wash	Eugene Dietzgen Co	620 Michigan St, Seattle 8, Wash	PA5-8888
Wisc	Eugene Dietzgen Co	3910 W. Orchard, Milwaukee 2, Wisc	OR1-1518

	DIGITAL EQUIPMENT CORP	**Maynard, Mass**	**TW7-8821**
Ariz	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood, Cal	HO9-7294
Cal	Digital Equipment Corp	690 N. Sepulveda, El Segundo, Cal	EA2-5707
Cal	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood, Cal	HO9-7294
Cal	Instruments for Measurements	251 S. Murphy Ave, Sunnyvale, Ca	RE6-8680
Cal	Instruments for Measurements	3150 El Cajon Blvd, San Diego, Ca	JU3-1912
Conn	Eltron Engineering Sales Inc	2345 Whitney, Hamden, Conn	AT8-9276
DC	Wilo & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Me	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Md	Wilo & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Nev	Instruments for Measurements	251 S. Murphy Ave, Sunnyvale, Cal	RE6-8680
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
NJ	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
NY	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
Pa	Wild & Associates	P.O. Box 95, Southampton, Pa	LO8-7078
RI	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Va	Wild & Associates	2523 Wilson Blvd, Arlington, Va	JA4-2274
	DIGITAL INSTRUMENT LABS	**152 S. Atlantic Blvd, Los Angeles, Cal**	**RA3-8760**
	DIGITAL SERVICE LABS	**23922 Crenshaw Blvd, Torrance, Cal**	**DA5-0711**
	DIGITOOL CORP	**Box 22242, Houston 27, Tex**	**MO4-4531**
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Foreign	Machine Tool Control Associates	3306 Graustark, Houston, Tex	JA6-4691
	DIGITRAN CO	**660 S. Arroyo Pkwy, Pasadena, Cal**	**MU2-9667**
Ala	Specialized Eqipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	
Ariz	Wright Engineering Co	180 E. California, Pasadena, Cal	
Ark	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	
Cal	Wright Engineering Co	180 E. California, Pasadena, Cal	
Colo	Gates Co	3395 S. Bannock St, Englewood, Colo	
Fla	Specialized Equipment Corp	P.O.Box 323, Cocoa Beach, Fla	
Ga	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	
Miss	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	
Nev	Wright Engineering Co	180 E. California, Pasadena, Cal	
NM	Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	
Tex	Arnold Barnes Co	3602 Lemmon Ave, Dallas 19, Tex	
Utah	Gates Co	200 S. Main St, Salt Lake City 1, Utah	
	DIGITRONICS CORP	**Albertson Ave, Albertson, NY**	**PI7-5090**
Ariz	Components Sales California Inc	4714 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Ariz	Dyna Sales Co	4645 E. Olympic Blvd, Los Angeles, Cal	AN8-3814
Ark	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Cal	Components Sales California Inc	4714 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Cal	Dyna Sales Co	4645 E. Olympic Blvd, Los Angeles, Cal	AN8-3814
Conn	Ress Engineering	61 Cross St, W., Newton, Mass	DE2-1200
Kan	Industrial Associated Electronics, Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
La	Industrial Associated Electronics, Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Me	Ress Engineering	61 Cross St, W. Newton, Mass	DE2-1200
Mass	Ress Engineering	61 Cross St, W. Newton, Mass	DE2-1200
NH	Ress Engineering	61 Cross St, W. Newton, Mass	DE2-1200
NJ	Robert A Curran Associates	128 Franklin St, Cedar Grove, NJ	CE9-6173
NM	Industrial Associated Electronics, Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
NY	Components Sales Inc	218 E. Hartsdale Ave, Hartsdale, NY	HA5-1050
Okla	Industrial Associated Electronics, Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Ore	G M Gillett	19690 19th N.E., Seattle, Wash	CA6-2121
Pa	Robert A Curran Associates	128 Franklin St, Cedar Grove, NJ	CE9-6173
RI	Ress Engineering	61 Cross St, W. Newton, Mass	DE2-1200
Tex	Industrial Associated Electronics, Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Vt	Ress Engineering	61 Cross St, W. Newton, Mass	DE2-1200
Wash	G M Gillett	19690 19th N.E., Seattle, Wash	CA6-2121
	DILECTRIX CORP	**Allen Blvd, Grand, Farmingdale, NY**	**CH9-7999**
Cal	K W Lockwood Co	Box 24685, Los Angeles 24, Cal	GR2-1877
Cal	James S Heaton Co.	413 Lathrop St, Redwood City, Cal	EM9-5278
Colo	Brookes Engineering Co	736 12th St, Denver 4, Colo	AC2-7092
Conn	Richard H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Fla	E C Raymund & Associates	Box 8215, Madeira Beach, St. Petersburg,	WA1-9735
Ill	Russ Diethert Co	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	Richard C Warner & Associates	Box 338, S. Whitley, Ind	350
Mass	Richard H Whitehead Jr Associates	2 Brimmer St, Boston, Mass	CA7-2590
Mich	Richard C Warner & Associates	Box 126, Sturgis, Mich	1140
NJ	W R Punt Co	160 Woodbine Ct, Floral Park, NY	FL2-1742
NY	F L Mcauliffe Co	2315 Plum St, Schenectady 9, NY	FR4-6727
Ohio	Electrolock Inc	20475 Farnsleigh Rd, Cleveland 22, Ohio	WY1-4353
Tex	Ben Kanowsky Sales Co	Box 7313, Dallas, Tex	LA3139
Foreign	Joseph F Rizzo Co	350 Fifth Ave, New York, NY	PE6-0398
	DILECTRON DIV BESTRAN CORP	**2669 S. Myrtle Ave, Monrovia, Cal**	**HI6-6195**
	DILLON & CO., INC., W C	**14620 Keswick St, Van Nuys, Cal**	**ST5-3168**
	DIMCO-GRAY CO	**207 E. 6th St, Dayton, Ohio**	**BA2-6703**
Ind	A C Wahl Co	Box 213, Cincinnati 15, Ohio	VA1-3270
Ky	A C Wahl Co	Box 213, Cincinnati 15, Ohio	VA1-3270
Ohio	A C Wahl Co	Box 213, Cincinnati 15, Ohio	VA1-3279
	DIMENSIONS INC	**7314 20th Ave, Brooklyn 4, NY**	**CL6-8182**
	DINION COIL CO., INC	**Caledonia, NY**	**KE8-4412**
	DIT-MCO INC	**911 Broadway, Kansas City, Mo**	**HA1-0011**
Cal	Al Holtz	213 S. Hawthorne Blvd, Hawthorne, Cal.	OR8-6106
NY	Jim Tucker	520 Fifth Ave, New York 36, NY	MU2-6844
	DIVISION LEAD CO	**7742 W. 61st Pl, Summit, Ill**	**RE5-8600**
	DIXON CORP	**19-21 Burnside St, Bristol, RI**	**CL3-7500**
	DIXON ELECTRONICS CO	**13444 W. McNichols Rd, Detroit, Mich**	
	DJECO DIV DJORDJEVIC ENGRG CO	**1933 N. Damen, Chicago 47, Ill**	**AR6-7308**
	DJORDJEVIC ENGRG CO	**1933 N. Damen, Chicago 47, Ill**	**AR6-7308**
	DKE ELECTRIC BASES CORP	**27 Wright St, Newark, NJ**	
	DMETER MFG CO., INC	**68 N. Broadway, Yonkers, NY**	**YO9-1770**
NJ	Symon Associates	550 Fifth Ave, New York 36, NY	JU6-7771
NY	Symon Associates	550 Fifth Ave, New York 36, NY	JU6-7771
	DOLIN METAL PRODUCTS INC	**315 Lexington Ave, Brooklyn 2, NY**	**NE8-9472**
	DOLINKO & WILKENS INC	**1901-7 Summit Ave, Union City, NJ**	**UN7-6630**
	DOLLAR CO., ROBERT COMMUNICATIONS EQUIP DIV	**50 Drumm St, San Francisco 11, Cal**	**YU2-4314**
	DOLLIN CORP	**630 S. 21 St, Irvington 11, NJ**	
	DOMINION ELECTROHOME IND LTD	**283 Duke St, W., Kitchener, Ont, Can**	**SH3-0271**
NY	Robert Moore	40 Elmcroft Ct, Clarence, NY	
	DONLAN ELECTRONICS INC	**1101 Olympic, Santa Monica, Cal**	**EX3-0758**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Ariz	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM	
Ark	Rudie Lorenz Co	9500 A Gravois, St. Louis 23, Mo	TA1-4119
Cal	Western Aircraft Supply Co	815 Moraga Dr, Los Angeles 49, Cal	GR6-1931
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Del	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
DC	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
Fla	Lynch-Gentry Associates	406 Danley Dr, Page Park, Fla	WE6-2181
Ga	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ind	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Iowa	W H Stork Co	1575 Henderson Dr, Marion, Iowa	DR7-3317
Kan	Rudie Lorenz Co	9500 A Gravois, St. Louis 23, Mo	TA1-4119
La	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	TA7-2853
Me	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Md	Brimberg Associates	Investment Bldg, Washington 5, DC	DE2-8000
Mass	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	TA7-2853
Mo	Rudie Lorenz Co	9500 A Gravois, St. Louis 23, Mo	TA1-4119
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Nev	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NH	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
NM	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM	
NY	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
NY	H L Hoffman & Co	35 Old Country Rd, Westbury, NY	ED4-5600
NC	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
ND	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Okla	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	TA7-2853
Ore	Western Aircraft Supply Co	815 Moraga Dr, Los Angeles 49, Cal	GR6-1931
RI	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
SC	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
SD	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tex	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	TA7-2853
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Va	Brimberg Associates	Investment Bldg, Washington 5, DC	DE2-8000
Wash	Western Aircraft Supply Co	815 Moraga Dr, Los Angeles 49, Cal	GR6-1931
Wisc	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
	DONMAR PRODUCTS INC	**P. O. Box 8396, Denver 10, Colo**	**WE5-4676**
	DONNELLY MFG CO	**580 Winter St, Waltham, Mass**	**TW3-5700**
	DONNER SCIENTIFIC CO	**888 Galindo St, Concord, Cal**	**MU2-6161**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ariz	Charles Fowler Co	429 S. Western, Los Angeles 5, Cal	DU4-7203
Cal	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
Cal	Charles Fowler Co	429 S. Western, Los Angeles 5, Cal	DU4-7203
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Del	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
DC	Burlingame Associates	8218 Wisconsin Ave, Washington, DC	OL4-6400
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Idaho	Comptronics	2 Hanford, Seattle 4, Wash	MA4-5135
Ill	Robert Lang & Associates	5733 N. Olmsted, Chicago 31, Ill	SP4-3610
Ind	Robert Lang & Associates	6733 N. Olmsted, Chicago 31, Ill	SP4-3610
Iowa	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Kan	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Me	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Associates	8218 Wisconsin Ave, Washington, DC	OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Mich	Tiby Co	18222 James Couzens Hwy, Detroit, Mich	UN4-9298
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Nev	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
NH	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
NJ	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MT4-7530
NM	Hyde Electronics	5206 Constitution Ave, N.E. Albuquerque	AM8-1111
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
NC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ohio	Tiby Co	2245 Warrensville Ctr Rd, Cleveland	ER1-5335
Ohio	Laurence D Bruno	Far Hills Branch, Box 51, Dayton, Ohio	AX3-8703
Okla	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Ore	Comptronics	2 Hanford, Seattle 4, Wash	MA4-5135
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa	SH7-9080
Pa	Tiby Co	2245 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5335
RI	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
SC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Vt	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Va	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Wash	Comptronics	2 Hanford, Seattle 4, Wash	MA4-5135
Canada	Instronics Ltd	P.O. Box 100, Stittsville, Ontario, Canada	TA8-1253
	DORMEYER INDUSTRIES	**3418 N. Milwaukee Ave, Chicago 41, Ill**	**AV3-4000**
	DORMITZER ELEC & MFG CO., INC	**5 Hadley St, Cambridge 40, Mass**	
	DORNE & MARGOLIN INC	**29 New York Ave, Westbury, NY**	**ED4-3200**
Cal	Dorne & Margolin Inc	1434 Westwood Blvd, Los Angeles 24	GR9-6722
	DORSETT ELECTRONICS LABS INC	**119 W. Boyd, Norman, Okla**	**JE4-3750**
Cal	Instruments For Measurements	3455 Cahuenga Blvd, Hollywood, Cal	HO9-7294
Cal	Instruments For Measurements	3150 El Cajon Blvd, San Diego, Cal	JU3-1972
Cal	Instruments For Measurements	251 S. Murphy, Sunnyvale, Cal	RE6-8680
Fla	Aironic Accessory Co., Inc	2300 Coldstream Dr, Winter Park, Fla	MI7-2251
Ga	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Md	East Coast Liaison Inc	Box 243, Lutherville, Md	VA5-449
Ohio	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Ohio	Aironic Accessory Co., Inc	1590 Niagara Falls Blvd, Tonawanda, NY	AT4740
	DOTY ACOUSTICAL ELEC LABS	**Tobyhanna, Pa**	**TW4-8117**
	DOUBLE "E" PRODUCTS CO	**208 Standard St, El Segundo, Cal**	**EA2-2501**
	DOUGLAS AIRCRAFT CO., INC	**3000 Ocean Park Ave, Santa Monica, Cal**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	DOUGLAS MICROWAVE CO	**252 E. Third St, Mt. Vernon, NY**	**MO8-6900**
Ark	J Earl Smith Co	Box 35331, Dallas 35, Tex	FL7-1727
Cal	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
Cal	C W Swift & Associates	P.O. Box 316, Encino, Cal	ST4-8550
Colo	Applied Engineering Products Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Del	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, N. Miami, Fla	PL1-5566
Idaho	Applied Engineering Products Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Ind	Service Equipment Electronics Corp	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Ky	Service Equipment Electronics Corp	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
La	J Earl Smith Co	Box 35331, Dallas, Tex	FL7-1727
Me	W B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	CE5-3199
Mass	W B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	CE5-3199
Mich	Service Equipment Electronics Corp	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mo	William T McGary	5635 Delmar Blvd, St. Louis, Mo	PA5-6430
Mont	M K Widdekind Co	222 First Ave, N., Seattle, Wash	EL6981
Neb	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
NH	W B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	CE5-3199
NJ	J N Barrett Associates	704 Federal St, Camden, NJ	EM5-2680
NM	Applied Engineering Products Corp	405 Felt Bld, Salt Lake City, Utah	EM4-4942
NY	Wilgold Electronic Sales Corp	100 N. Village Ave, Rockville Centre, NY	RO4-4022
ND	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Ohio	Service Equipment Electronics Corp	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Okla	J Earl Smith Co	Box 35331, Dallas, Tex	FL7-1727
Ore	M K Widdekind Co	222 First Ave, N., Seattle, Wash	EL6981
Pa	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
Tex	J Earl Smith Co	Box 35331, Dallas, Tex	FL7-1727
Utah	Applied Engineering Products Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Vt	W B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	CE5-3199
Wash	M K WiddeKind Co	222 First Ave, N., Seattle, Wash	EL6981
Wisc	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Wyo	Applied Engineering Products Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Foreign	B Freudenberg Inc	50 Rockefeller Plaza, New York, NY	PL7-9130
	DOUGLAS RADIO LABS	**176 Norfolk Ave, Boston 19, Mass**	
	DOW CHEMICAL CO	**Midland, Mich**	**ME6-1000**
	DOW CORNING CORP	**Midland, Mich**	**TE2-2371**
Cal	Dow Corning Corp	2035 W. Mission Rd, Alhambra, Cal	CU3-6521
Cal	Dow Corning Corp	5651 College Ave, Oakland 18, Cal	OL8-0636
Fla	Dow Corning Corp	Fla Theatre Bldg, St Petersburg, Fla	5-3084
Ga	Dow Corning Corp	1948 Monroe Dr, N.E., Atlanta 9, Ga	TR6-1005
Ill	Dow Corning Corp	6101 W. Fullerton Ave, Chicago 39, Ill	TU9-5900
Ind	Dow Corning Corp	2409 E. 38th St, Indianapolis 18, Ind	LI7-8312
La	Dow Corning Corp	635 Laurel St, Baton Rouge, La	DI8-3766
Md	Dow Corning Corp	8505 Cameron St, Silver Spring, Md	JU8-3222
Mass	Dow Corning Corp	10 Providence St, Boston 16, Mass	HA6-5992
Minn	Dow Corning Corp	7514 Oliver Ave, S, Minneapolis 23	UN9-3291
Mo	Dow Corning Corp	7730 Carondelet Ave, Clayton 5, Mo	VO3-6180
NJ	Dow Corning Corp	401 Sylvan Ave, Englewood Cliffs, NJ	LO7-4960
NY	Dow Corning Corp	33 Beverly Dr, DePew, NY	MA5173
NC	Dow Corning Corp	1029 Winston St, Greensboro, NC	BR5-7678
Ohio	Dow Corning Corp	3592 Lee Rd, Cleveland 20, Ohio	WY1-1900
Ohio	Dow Corning Corp	49 Central Ave, Cincinnati 2, Ohio	MA1-9012
Pa	Dow Corning Corp	Box 413, Wexford Run Rd, Bradfordwoods	AT1-2979
Pa	Dow Corning Corp	430 Northcroft Rd, Springfield, Pa	TR8-3848
Tenn	Dow Corning Corp	Box 4156, Chattanooga 11, Tenn	MA9-1306
Tex	Dow Corning Corp	5775 Greenville Ave, Dallas 31, Tex	EM8-1301
Tex	Dow Corning Corp	7900 Essex Ln, Houston 27, Tex	MO4-2471
Wash	Dow Corning Corp	Box 76, Boeing Field, Seattle 8, Wash	PA5-7600
Wisc	Dow Corning Corp	7030 W. North Ave, Milwaukee 13, Wisc	GL3-0353
Canada	Dow Corning Silicones Ltd	1 Tippett Rd, Downsview P.O., Ont, Can	ST8-9521
	DOW KEY CO	**Hwy 59, S.E., Thief River Falls, Minn**	**MU1-3075**
Cal	David Ellis Co	919-B E. California St, Pasadena 1, Ca	RY1-9139
Cal	Logan & Logan Co	1477 S. Mayfair, Daly City, Cal	PL6-0992
Cal	Logan & Logan Co	1477 S. Mayfair, Daly City, Cal	PL6-0992
Ga	J E Joyner & Assoc	Box 13801, Atlanta 10, Ga	PL5-4336
Ill	Dayton L Warner Co	815 MacArthur St, Chicago Hgts, Ill	SK4-0028
Ind	Paul F Fishman Co	1836 Nottingham Ave, Indnpls 20, Ind	
Mich	J M Rathsburg & Associates	3539 Townsend Ave, Detroit 14, Mich	WA5-8850
NJ	Edward Braddock	Box 305, Haddonfield, NJ	HA9-0087
NY	Chester Drexler	3 Lee Dr, S. Farmingdale, NY	CH9-8206
Ohio	J M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
Tex	MaCrae Smith Co	Box 35113, Dallas 35, Tex	BL3-2006
	DRAKE MFG CO	**4626 N. Olcott, Chicago 31, Ill**	**CH3-4462**
	DREMEL MFG CO	**2300 18th St, Racine, Wisc**	
	DRESSEN-BARNES CORP	**250 N. Vinedo Ave, Pasadena, Cal**	**MU1-0643**
Ala	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Cal	David L DeHaas Co	3651 Harrison St, San Diego, Ca	AC4-2401
Cal	Paul K Bennett	213 W. Canon Perdido, Santa Barbara	WO5-3636
Cal	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
Colo	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
DC	F R Jodon Inc	8510 Beech Tree Rd, Washington, DC	EM5-1515
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-5633
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ill	Loren F Green & Associates	5218 W. Converse Ave, Chicago, Ill	PA5-6824
Iowa	Engineering Services Co	1305 Oak and Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Md	F R Jodon Inc	2408 Burridge Rd, Baltimore, Md	NO8-1933
Mich	M P Odell Co	10531 W. McNichols Rd, Detroit, Mich	JN2-1573
Mo	Engineering Services Co	6635 Del Mar Blvd, St. Louis, Mo	VO3-3660
NM	Williams & Associates	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	M P Odell Co	2676 Salem Ave, Dayton, Ohio	CR7-4441
Ohio	W E Cuyler	2988 S. Moreland Blvd, Cleveland, Ohio	SK2-3787
Pa	M P Odell Co	750 Pennsylvania Ave, Wilkinsburg, Pa	FR1-1231
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas, Tex	EM3-1671
Utah	Williams & Associates Inc	320 E. 4th, S., Salt Lake City, Utah	EM4-6844
Wash	Rush S-Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ont, Canada	CE4-4686
	DRESSER ELECTRIC CO	**2705 Wight St, Detroit 7, Mich**	**LO8-1855**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Paul A Fee	2060 Mansfield Rd, Toledo 13, Ohio	CH4-5827
	DRESSER IDECO CO	**875 Michigan Ave, Columbus 8, Ohio**	**AX9-2123**
Cal	Robert Sloan	8909 S. Vermont Ave, L A 44, Cal	PL8-4194
DC	William E Dobbins	1000 Connecticut, N.W., Wash 6, DC	ME8-4360
	DRIVER-HARRIS CO	**202 Middlesex St, Harrison 13, NJ**	**HU3-4800**
Ala	J M Tull Metal & Supply Co., Inc	1301 25th St, Birmingham, Ala	FA3-1612
Cal	Angus Campbell Inc	760 Tennessee St, San Francisco 7, Cal	AT8-4208
Cal	Angus Campbell Inc	4417 S. Soto St, Los Angeles 58, Cal	LU7-1236
Fla	J M Tull Metal & Supply Co., Inc	2736 E. Hanna Ave, Tampa, Fla	3-6741
Fla	J M Tull Metal & Supply Co., Inc	6201 N.W. 36th St, Miami, Fla	NE5-0365
Fla	J M Tull Metal & Supply Co., Inc	2736 W. Hanna Ave, Tampa, Fla	3-6741
Ga	J M Tull Metal & Supply Co., Inc	265 Foundry St, N.W., Atlanta, Ga	JA5-3871
Ill	Driver-Harris Co	5245 W. Diversey Ave, Chicago, Ill	TU9-5626
Ky	Driver-Harris Co	Market & 4 Sts, Louisville, Ky	JU5-6700
Mich	Driver-Harris Co	566 New Center Bldg, Detroit 2, Mich	TR7-7810
Ohio	Driver-Harris Co	7016 Euclid Ave, Cleveland 3, Ohio	EN1-0021
SC	J M Tull Metal & Supply Co	205 Airport Rd, Greenville, SC	
SC	H Dugones Jr	1302 Kathwood Dr, Columbia, SC	
Tenn	T L Cely Jr	5510 Chapman Hwy, Knoxville, Tenn	
Canada	The B Greening Wire Co Ltd	Hamilton, Ontario, Canada	
	DRIVER CO WILBUR B	**1875 McCarter Hwy, Newark 4, NJ**	**HU2-5550**
Cal	Wilbur B Driver Co	2734 Industrial Way, Santa Maria, Cal	WA5-2759
Cal	Wilbur B Driver Co	2378 Westwood Blvd, L A, Cal	GR8-0359
Conn	Wilbur B Driver Co	75 Brightwood Ln, W. Hartford, Conn	AD3-5927
Ill	Wilbur B Driver Co	5666-70 N. Northwest Hwy, Chicago 46	RO3-6200
Ky	Wilbur B Driver Co	139 S. Mathews Ave, Louisville 7	TW5-9493
Mass	Wilbur B Driver Co	1374 Massachusetts Ave, Cambridge 39	KI7-4498
Minn	Wilbur B Driver	610 Plymouth Bldg, Minnpls, Minn	FE3-3388
Ohio	Wilbur B Driver Co	13701 Enterprise Ave, Cleveland 35	CL2-3444
Pa	Wilbur B Driver Co	35 Scott Ave, Glenolden, Pa	FA9-1277
	DRY SCREEN PROCESS INC	**1016 Madison Ave, Pittsburgh 12, Pa**	**FA1-5255**
	DU-CO CERAMICS CO	**1050 Main St, Saxonburg, Pa**	**FL2-1511**
	DUDEK & BOCK SPRING MFG CO	**4014 W. Grand Ave, Chicago 51, Ill**	**DI2-1020**
Ala	J H McCall Co	3804 St. Elmo Ave, Chattanooga, Tenn	AM7-8855
Ark	Gulf Metal Products Co	901 Vickery St, Ft. Worth, Tex	ED2-1749
Cal	Dean Lewis Associates	4444 Piedmont Ave, Oakland, Cal	OL4-0613
Conn	H W Case Co	145 State St, Springfield, Mass	6-5203
Del	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
Ga	J H McCall Co	3804 St. Elmo Ave, Chattanooga, Tenn	AM7-8855
Ill	Jane Brearton	625 Park Plaine, Park Ridge, Ill	
Ill	Richard Ashford	14430 Edbrooke, Chicago, Ill	
Ill	Martin D Johnson	7233 Stony Island Ave, Chicago, Ill	
Ill	George Piers	137 Woodlawn, Roselle, Ill	
Ill	Douglas Thorsen	515 N. Rockford Ave, Rockford, Ill	
Ind	R G Buck	124 Fifth St, Logansport, Ind	2555
Iowa	Fred J Reynolds	405 Union Arcade, Davenport, Iowa	7-3277
Kan	Steel Sales & Equipment Co	1013 Truman Rd, Kansas City 6, Mo	
Ky	R G Buck	124 Fifth St, Logansport, Ind	2555
La	Gulf Metal Products Co	901 Vickery St, Ft. Worth, Tex	ED2-1749
Me	H W Case Co	145 State St, Springfield, Mass	6-5203
Md	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
Mass	H W Case Co	145 State St, Springfield, Mass	6-5203
Mich	Northwest Sales Inc	16943 Jas Couzens Hwy, Detroit 35, Mich	DI1-0280
Mich	Joseph Pickl Jr	1619 Plateau Ave, Jackson, Mich	ST9-7039
Minn	Frank Elam	6524 Walker St, Minneapolis, Minn	WE9-5161
Miss	J H McCall Co	3804 St. Elmo Ave, Chattanooga, Tenn	AM7-8855
Mo	O'Brien & Reynolds Inc	5611 Clayton, St. Louis 17, Mo	PA1-3033
Neb	Fred J Reynolds	405 Union Arcade, Davenport, Iowa	7-3277
NH	H W Case Co	145 State St, Springfield, Mass	6-5203
NJ	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
NY	Joe Newman Associates	290 Sonnershire Dr, Rochester 17, NY	CO6-4334
NC	N Kelly Bullard	P.O. Box 1765, High Point, NC	2-8109
Ohio	John F Torrence	1765 Andover Rd, Columbus, Ohio	HU6-3446
Okla	Gulf Metal Products Co	901 Vickery St, Ft. Worth, Tex	ED2-1749
Ore	D A Olson Co	420 E. 45th St, Seattle, Wash	WE3-4133
Pa	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
RI	H W Case Co	145 State St, Springfield, Mass	6-5203
SC	N Kelly Bullard	P.O. Box 1765, High Point, NC	2-8109
Tenn	J H McCall Co	3804 St. Elmo Ave, Chattanooga, Tenn	AM7-8855
Tex	Gulf Metal Products Co	901 Vickery St, Ft. Worth, Tex	ED2-1749
Vt	H W Case Co	145 State St, Springfield, Mass	6-5203
Va	N Kelly Bullard	P.O. Box 1765, High Point, NC	2-8109
Wash	D A Olson Co	420 E. 45th St, Seattle, Wash	WE3-4133
Wisc	Frank Ladky Associates	4604 N. Wilson Dr, Milwaukee, Wisc	WO2-2942
	DUKANE CORP	**St. Charles, Ill**	**JU4-2300**
	DU MONT LABS INC., ALLEN B	**750 Bloomfield Ave, Clifton, NJ**	**PR3-2000**
Ala	Murphy & Cota	250 Lane Plaza, Huntsville, Ala	JE6-9121
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
Ark	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	1864 Bacon St, San Diego, Cal	AC3-7133
Colo	F Y Gates Co	3395 S. Bannock, Englewood, Colo	SU1-8566
Conn	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
Del	Allen B Du Mont Labs Inc	425 13th St, N.W., Wash, DC	ME8-1232
DC	Allen B Du Mont Labs Inc	425 13th St, N.W., Wash, DC	ME8-1232
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Idaho	F Y Gates Co	822 Cont Bk Bldg, Salt Lake City, Utah	EL9-1101
Idaho	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Iowa	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Kan	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Hugh Marsland & Co	6730 E.-19th St, Indianapolis, Ind	FL6-4249
Ky	Electro Sales Associates	Dabel Sta, Box 143, Dayton, Ohio	CH4-5551
La	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Me	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
Md	Allen B Du Mont Labs Inc	425 13th St, N.W., Wash, DC	ME8-1232
Mass	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Minn	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Miss	Murphy & Cota	250 Lane Plaza, Huntsville, Ala	JE6-9121
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
NH	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
NY	SBM Associates	969 Clinton Ave, S., Rochester, NY	GR3-6506
NY	SBM Associates	9 Highland Ave, Albany, NY	HE8-5381
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
ND	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Ohio	Electro Sales Associates	281 E. 216 St, Cleveland, Ohio	RE2-7444
Ohio	Electro Sales Associates	Dabel Sta, Box 143, Dayton, Ohio	CH4-5551
Okla	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Ore	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Pa	Allen B Du Mont Labs Inc	750 Bloomfield Ave, Clifton, NJ	PR3-2000
RI	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
SC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
SD	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Tenn	Murphy & Cota	250 Lane Plaza, Huntsville, Ala	JE6-9121
Tex	John A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Tex	John A Green Co	3400 Montrose, Houston, Tex	JA6-2959
Utah	F Y Gates Co	822 Cont Bank Bldg, Salt Lake City	EL9-1101
Vt	Allen B Du Mont Labs Inc	49 Walnut St, Wellesley Hills, Mass	CE5-7550
Va	Allen B Du Mont Labs Inc	425 13th St, N.W., Wash, DC	ME8-1232
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Wash	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Wisc	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Wyo	F Y Gates Co	822 Cont Bank Bldg, Salt Lake City, Utah	EL9-1101
Foreign	A B Du Mont Labs Ind Intl Div	515 Madison Ave, New York 22, NY	PL1-1652
Canada	Bayly Engineering Ltd	5 First St, Ajax, Ontario, Canada	EM2-3741
Canada	Bayly Engineering Ltd	48 Sparks St, Ottawa, Ontario, Canada	CE2-9821
	DUMONT LABS INC., ALLEN B ELECTRONIC TUBE DIV	**750 Bloomfield Ave, Clifton, NJ**	**PR3-2000**
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	1864 Bacon St, San Diego 7, Cal	AC3-7133
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Colo	F Y Gates Co	3395 S. Bannock St, Englewood, Colo	SU1-8566
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita 18, Kan	WU3-3751
Minn	Pinkney & Hine	1925 Nicollet Ave, Minneapolis, Minn	FE8-0523
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Mo	Engineering Services Co	4550 Main St, Kansas City 11, Mo	JE1-7765
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Utah	F Y Gates Co	822 Cont'l Bank Bldg, Salt Lake City	EL9-1101
Wash	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-5170
Canada	Bayly Engineering Ltd	Hunt St, Ajax, Ontario, Canada	EM2-3741
Foreign	Allen B DuMont Labs Inc	515 Madison Ave, New York, NY	Cable ALBEEDV
	DUMONT-AIRPLANE & MARINE INSTRUMENT INC	**Box 92, Clearfield, Pa**	
	DUNHAM-BUSH INC	**179 South St, West Hartford, Conn**	**CH9-8671**
Ala	Hamilton Gray	308 Columbiana Rd, Birmingham, Ala	TR9-0921
Ariz	George L Jackson	Suite 337 I, 3500 N. Central, Phoenix, Ariz	
Cal	Dunham-Bush Inc	2505 W. Third St, Los Angeles 57, Cal	DU5-6471
Colo	Robert Bell	5075 Colorado Blvd, Denver 16, Colo	FL5-5152
DC	Dunham-Bush Inc	211 Indiana Ave, N.W., Washington 1, DC	ME8-5529
Fla	Al E Hinds	2431 Gulfstream Ln, Ft. Lauderdale, Fla	WI7-1781
Ga	Dunham-Bush Inc	215 Church St, Decatur, Ga	DR7-8055
Ill	Dunham-Bush Inc	5451 N. Lincoln Ave, Chicago 25, Ill	LO1-7973
Iowa	Eugene O'Neil	7601 Maple Dr, Des Moines 22, Iowa	BR6-0679
Kan	Edward C Blood	607 Marcilene, Wichita 18, Kan	WU3-3261
La	Jack Stewart	6215 Colbert St, New Orleans, La	HU8-4332
Mass	Dunham-Bush Inc	624 Gallivan Blvd, Dorchester 24, Mass	TA5-4300
Mich	Dunham-Bush Inc	16221 Wyoming Ave, Detroit 21, Mich	DI1-3973
Minn	Dunham-Bush Inc	2651 Lyndale Ave, S., Minneapolis 8, Minn	TA7-3839
NM	Vernon Congable	833 Indiana, S.E., Albuquerque, NM	AL6-0749
NY	Dunham-Bush Inc	250 E. 43rd St, New York 17, NY	MU9-2660
Ohio	Dunham-Bush Inc	22445 Lorain Ave, Cleveland 26, Ohio	RE4-2280
Okla	Robert R Bradford	1532 N.W. 29th St, Oklahoma City, Okla	JA4-6580
Ore	Dave Dufur	10924 S.W. 59th Ave, Portland 19, Ore	CH4-5205
Pa	Dunham-Bush Inc	301 York Rd, Jenkintown, Pa	TU7-7550
Tenn	P Sheridan Towle	3904 Garden Dr, Fountain City, Tenn	MU7-3343
Tex	Dunham-Bush Inc	2015 S. Shepherd Dr, Houston 19, Tex	JA6-2359
Utah	Jerry Wilcox	2280 S. 18th St, E., Salt Lake City 6, Utah	IN7-8265
Va	Robert Huber	106 S. Third St, Richmond 19, Va	MI8-3885
Wash	Bill W Cross	3936 153rd Ave, S.E., Bellevue, Wash	MA2-4630 (Seattle)
Wisc	Robert Schulz	2376 N. 114th St, Milwaukee, Wisc	FR2-7443
	DUNKER CO CHRISTIAN	**Bernsdorf Schwarzwald, W. Germany**	**BO 333**
Conn	Intersales Co	Box 621, New Canaan, Conn	WO6-1847
	DUNN ENGINEERING ASSOC INC	**225 O'Brien Hwy, Cambridge 41, Mass**	**UN4-6700**
DC	Harry A Wansker	1515 N. Court House Rd, Arlington 1, Va	JA4-4417
Ohio	Lionel H Schartz	384 W. First St, Dayton 2, Ohio	BA4-9192
	DUNTON CO., M W	**350 Kinsley Ave, Providence, RI**	**DE1-3600**
	DUNWELL MFG CORP	**159-161 Ft. Lee Rd, Leonia, NJ**	**TE6-9500**
Ala	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Cal	Vincent & Walker Inc	6326 Laurel Canyon Blvd, N. Hollywood	PO2-7200
Colo	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
Conn	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Del	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
DC	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
Ga	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Idaho	Norwestem Sales Co	2216 11th W., Seattle 99, Wash	AT2-4614
Ill	Morton L Friedman Co	2814 W. Balmoral Ave, Chicago 25, Ill	LO1-4257
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	CL5-1993
Iowa	Carmine Vignola	1202 Peyton Dr, Jefferson City, Mo	JE5-1023
Kan	Carmine Vignola	1202 Peyton Dr, Jefferson City, Mo	JE5-1023
Ky	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	CL5-1993
Me	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Md	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
Mass	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Mich	Jack Rathsburg	3539 Townsend Ave, Detroit 14, Mich	WA1-3932
Minn	Forrest Carleen	P.O. Box 248A, Mound, Minn	GR2-2271
Miss	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Mo	Carmine Vignola	1202 Peyton Dr, Jefferson City, Mo	JE5-1023
Mont	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
Neb	Carmine Vignola	1202 Peyton Dr, Jefferson City, Mo	JE5-1023
NH	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
NJ	Steve Fisher Sales	800 Greenwood Ave, Brookline 18, NY	CH2-5825
NJ	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
NM	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
NY	Art Hess	62-07 68th Ave, Glendale 27, NY	HY7-7498
NY	Steve Fisher Sales	800 Greenwood Ave, Brooklyn 18, NY	CH2-5825
NC	George Schiffer	P.O. Box 6365, Greensboro, NC	3-5578
ND	Forrest Carleen	P.O. Box 248A, Mound, Minn	GR2-2271
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Ore	Norwestem Sales Co	2216 11th W., Seattle 99, Wash	AT2-4614
Pa	Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
Pa	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
RI	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
SC	George Schiffer	P.O. Box 6365, Greensboro, NC	3-5578
SD	Forrest Carleen	P.O. Box 248A, Mound, Minn	GR2-2271
Tenn	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Utah	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
Vt	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
Va	Herman Lewis Co	1622 68th Ave, Philadelphia 26, Pa	LI8-1281
Wash	Norwestem Sales Co	2216 11th W., Seattle 99, Wash	AT2-4614
W. Va	Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
Wisc	Morton L Friedman Co	2814 W. Balmoral Ave, Chicago 25, Ill	LO1-4257
Wyo	Vines & Co	P.O.Box 1025, Denver 1, Colo	TA5-4471
Foreign	Louis D Cohen Y Cia	5955 Twin Lakes Dr, S. Miami, Fla	
	DUOTONE CO., INC.	**Locust St, Keyport, NJ**	**CO4-2200**
Ala	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	CA8330
Ariz	Eddie Colman & Associates	1501 S. Maple, Los Angeles, Cal	RI9-6591
Ark	Hank Lieberman & Associates	6005 Northwood Rd, Dallas, Tex	EM3-3452
Cal	Logan Sales	154 8th St, San Francisco, Cal	HE1-0692
Cal	Eddie Colman & Associates	1501 S. Maple Ave, Los Angeles, Cal	RI9-6591
Colo	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Conn	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Del	John Mustico Co	312 Bewley Rd, Havertown, Pa	HI6-1961
DC	John Mustico Co	312 Bewley Rd, Havertown, Pa	HI6-1961
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, N. Miami, Fla	PL1-5566
Ga	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
Hawaii	Eddie Colman & Associates	1501 S. Maple, Los Angeles, Cal	RI9-6591
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	CA8330
Ill	Michael Zindell	6434 N. Washtenaw Ave, Chicago, Ill	BR4-7175
Ind	Charles Scheffler Co	1133 Navajo Trail, R R 14, Indpls, Ind	CL3-6337
Iowa	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Kan	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Ky	Charles Scheffler Co	1133 Navajo Trail, R R 14, Indpls, Ind	CL3-6337
La	Hank Lieberman & Associates	6005 Northwood Rd, Dallas, Tex	EM3-3452
Me	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Md	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Mass	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Mich	Edwards-Lohse Co	2123 W. 9th St, Cleveland, Ohio	TO1-5753
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	TA5-1234
Miss	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
Mo	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	EM1-5651
Mont	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Neb	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Nev	Logan Sales	154 8th St, San Francisco, Cal	
NH	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
NJ	Newhope Corp	6 E. 39th St, New York, NY	LE2-7372
NJ	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
NM	A J Nelson Co	710 E. Louisiana Ave, Denver Colo	PE3-5528
NY	Newhope Corp	6 E. 39th St, New York, NY	LE2-7372
NY	Land-C-Air Sales Co	140 Marblehead Rd, Tuckanoe, NY	WO1-4700
NC	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	TA5-1234
Ohio	Edwards Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Okla	Hank Lieberman & Associates Inc	6005 Northwood Rd, Dallas, Tex	EM3-3452
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	CA8330
Pa	John Mustico Co	312 Bewley Rd, Havetown, Pa	HI6-1961
Pa	Edwards Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
RI	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
SC	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
SD	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Tenn	Ray Marchbanks Co	4824 Northside Dr, N.W., Atlanta, Ga	BL5-0251
Tex	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Utah	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Vt	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Va	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	CA8330
W Va	Edwards Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Wisc	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	TA5-1234
Wyo	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Foreign	Singer Products Co	95 Broad St, New York, NY	WH4-8700
	DU PONT DE NEMOURS & CO., INC., E I	**Wilmington 98, Del**	**PR4-1000**
	DURA PLASTICS OF N Y INC	**303 Fifth Ave, New York, NY**	**MU6-5645**
Mass	Melvin H Cowan	17 Mulberry Rd, Milton, Mass	CO6-0684
Mo	Nagel & Nax	11001 Manchester, St. Louis, Mo	YO6-2747
Tex	Engineering Associates Inc	P.O.Box 886, Ft. Worth, Tex	WA3-7386
	DURAKOOL INC	**1010 N. Main St, Elkhart, Ind**	**CO4-1116**
	DURALITH CORP	**1025 Race St, Philadelphia 7, Pa**	**WA3-1900**
Cal	James A Fox	5525 Wilshire Blvd, L A 36, Cal	WE8-3751

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Kenn Meyer	115 New Montgomery, San Francisco 5	SU1-5490
Conn	Herbert L Simmons	576 Fifth Ave, New York 36, NY	JU2-5629
Ill	H G Jarmuth Jr/ Donald D Reed	55 E. Washington St, Chicago 2, Ill	DE2-5700
Md	Richard H Schneider	Court Sq Bldg, Baltimore 2, Md	PL2-6535
Mass	Edward J Nolan	115 High St, Boston 10, Mass	HA6-3900
NY	Walter Ruina/ Jack Wertheimer	576 Fifth Ave, New York 36, NY	JU2-5629
NY	Charles F Hohman	907 Monroe Ave, Rochester 20, NY	BR1-2143
Pa	Shaffer/Gaie/Hearing	1025 Race St, Philadelphia 7, Pa	WA3-1900
	DURAMIC PRODUCTS INC	**426 Commercial Ave, Palisades Park, NJ**	
	DURANT MFG CO	**1912-A N.Buffum St, Milwaukee 1, Wisc**	**LO2-5035**
Ala	DeShazo & Associates	Lomb & Fayette Aves, Birmingham, Ala	ST1-3651
Ark	Joe M Henry	Box 3703, Tulsa, Okla	LU5-1234
Cal	Transmission Engineering Co	427 Bryant St, San Francisco, Cal	SU1-4738
Cal	Hollis Jewell Co	5422 W. Washington, Los Angeles	WE3-7259
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	Len Bowen	15 Thurbers Ave, Providence 5, RI	ST1-7800
Del	G H Schroeder	7 Heather Rd, Bala-Cynwyd, Pa	MO4-0336
DC	Fabricators Inc	610 Highland Ave, Towson 4, Md	VA5-3456
Fla	Industrial Associates	3718 Watrous Ave, Tampa 9, Fla	TA8-5912
Ga	Carl B Pederson	34 11th St, N.E., Atlanta 9, Ga	TR5-3938
Idaho	James L Kearns Co	6055 N.E. Glisan St, Portland 13, Ore	BE6-2444
Ill	Durant Mfg Co	2001 W. Lake St, Melrose Park, Ill	AU7-6288
Ind	Mock & Morris	1802 E. 46th St, Indianapolis 5, Ind	CL5-6829
Iowa	S Riekes & Sons	444 S.W. 5th St, Des Moines, Iowa	4-0149
Kan	Parker & Foster	3519 Troost Ave, Kansas City 9, Mo	LO1-9266
La	American Supply Co	816 Howard Ave, New Orleans 12, La	JA5-4122
Me	R G O'Connell	945 Great Plain Ave, Needham 92, Mass	HI4-0397
Md	Fabricators Inc	610 Highland Ave, Towson 4, Md	VA5-3456
Mass	Durant Mfg Co	945 Great Plain Ave, Needham 92, Mass	HI4-0397
Mich	Durant Mfg Co	10628 Plymouth Rd, Detroit 4, Mich	WE3-7886
Minn	Butry-Lund Co	3816 E. Lake St, Minneapolis 6, Minn	PA9-7389
Miss	American Supply Co	816 Howard Ave, New Orleans 12, La	JA5-4122
Mo	W W Monroe Co	800 E. Big Bend Rd, St. Louis 22, Mo	YO5-2500
Neb	S Riekes & Sons	1402 Webster St, Omaha 2, Neb	AT6860
NH	R G O'Connell	945 Great Plain Ave, Needham 92, Mass	HI4-0397
NJ	B J Glista	271 North Ave, New Rochelle, NY	NE3-6400
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
NY	Durant Mfg Co	271 North Ave, New Rochelle, NY	3-6400
NY	Potter & Dugan Co	51 Great Arrow Ave, Buffalo 16, NY	VI3360
NC	M R Snyder Co	304 E. Tremont Ave, Charlotte, NC	ED4-7190
Ohio	Durant Mfg Co	Roselawn Center Bldg, Cincinnati 37	JE1-5073
Ohio	Mechanical Equipment Co	3100 Prospect Ave, Cleveland 15, Ohio	EN1-6212
Okla	Joe M Henry Co	Box 3703, Tulsa, Okla	LU5-1234
Ore	James L Kearns Co	6055 N.E. Glisan St, Portland 13, Ore	BE6-2444
Pa	Durant Mfg Co	7 Heather Rd, Bala-Cynwyd, Pa	MO4-0336
Pa	L R Novrie Co	2414 W. Liberty Ave, Pittsburgh 26, Pa	LO1-1628
RI	Len Bowen	15 Thurbers Ave, Providence 5, RI	ST1-7800
SC	M R Snyder Co	304 E. Tremont Ave, Charlotte, NC	ED4-7190
Tenn	Robbins & Bohr Co	Hamilton Natl Bk Bldg, Chattanooga	AM7-6697
Tex	Wm E Brice Co	303 Bastrop St, Houston 3, Tex	CA2-7321
Utah	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Vt	R G O'Connell	945 Great Plain Ave, Needham 92, Mass	HI4-0397
Wash	Fabricators Inc	610 Highland Ave, Towson 4, Md	VA5-3456
Canada	Wainbee Tools Ltd	64 Racine Rd, Toronto, Ontario, Canada	CH1-3301
	DUREZ PLASTICS DIV HOOKER CHEMICAL	**1921 Welch Rd, N. Tonawanda, NY**	**LU1860**
Cal	Durez Plastics Division	6277 E. Slauson Ave, Los Angeles 22	OV5-8910
Ill	Durez Plastics Division	1 N. LaSalle St, Chicago 2, Ill	FR2-8757
Mich	Durez Plastics Division	503 Stephenson Bldg, Detroit 2, Mich	TR5-3700
NY	Durez Division	120 Delaware Ave, Buffalo 2, NY	MA7525
NY	Durez Division	666 5th Ave, New York 19, NY	PL7-9600
Ohio	Durez Plastics Division	333 W. First St, Dayton, Ohio	BA2-7436
	DURO SPECIALTY CO., INC	**811 Boston St, Lynn, Mass**	**LY8-3479**
	DWYER ENGINEERING CO., INC	**Airport Rd, Nashua, NH**	
	DWYER MFG CO., F W	**P. O. Box 373, Michigan City, Ind**	**TR2-4232**
Cal	Pacific Scientific Co	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
Cal	Pacific Scientific Co	760 Harrison St, San Francisco, Cal	DO2-0934
NY	Seco Industries Inc	87-66 150th St, Jamaica 35, NY	AX7-1134
Mich	Steam Specialties Co	15794 Wyoming Ave, Detroit, Mich	UN4-2082
Ore	Pacific Scientific Co	1218 S.E. 7th Ave, Portland 14, Ore	BE4-9747
Pa	Penn-Del Instrument Sales Co	709 Bethlehem Pike, Philadelphia 18, Pa	CH7-7389
Va	Laurence Trant & Co	111 W. Main St, Norfolk 10, Va	MA2-6914
Wash	Pacific Scientific Co	421 Michigan St, Seattle, Wash	MO7000
Canada	Baker Instruments Ltd	185 Davenport Rd, Toronto 5, Ontario, Can	WA4-9708
Canada	Baker Instruments Ltd	359 Kensington Ave, Montreal PQ, Can	GL4341
Canada	E H Price Ltd	McArthur St, Winnipeg 2, Manitoba, Canada	WH3-2597
Canada	E H Price (Alta) Ltd	8830 125th Ave, Edmonton, Alberta, Can	774442
Canada	E H Price (B C) Ltd	1505 West End Rd, Vancouver, BC, Can	LA6-4737
Foreign	A L Jacobs	3638 Lake Shore Dr, Chicago 13, Ill	LA5-7793
	DYCHRO CORP	**49 Walnut St, Wellesley 81, Mass**	**CE7-0606**
	DYMEC DIV HEWLETT-PACKARD CO	**395 Page Mill Rd, Palo Alto, Cal**	**DA6-1755**
Ala	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Ariz	Neely Enterprises	641 E. Missouri, Phoenix, Ariz	CR4-5431
Ark	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal	TR7-0721
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	Yewell Associates Inc	1101 E. Main St, Bridgeport 8, Conn	FO6-3456
Del	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Stiles Associates Inc	1226 E. Colonial Dr, Orlando, Fla	GA5-5541
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Idaho	Arva	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ind	Crossley Associates Inc	5420 N. College Ave, Indianapolis, Ind	CL1-9255
Iowa	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Ky	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
La	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Me	Yewell Associates	Middlesex Trnpk, Burlington, Mass	BR2-9000
Md	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore 15	MO4-8345
Mass	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Miss	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mont	Arva	1320 Prospect St, Seattle 9, Wash	MA2-0177
Neb	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Nev	Neely Enterprises	1317 15th St, Sacramento, Cal	GI2-8901
NH	Yewell Associates	Middlesex Trnpk, Burlington, Mass	BR2-9000
NJ	R W C Associates	391 Grand Ave, Englewood, NJ	LO7-3933
NJ	I E Robinson Co	905 Main St, Asbury Park, NJ	KE1-3150
NM	Neely Enterprises	6501 Lomas Blvd, N.E., Albuquerque	AL5-5586
NY	R W C Associates	296 E. 75th St, New York 21, NY	TR9-2023
NC	Bivins & Caldwell	P.O. Box 5187, High Point, NC	2-6873
ND	Crossley Associates	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Ohio	Crossley Associates	2801 Far Hills Ave, Dayton 19, Ohio	AX9-3594
Okla	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Ore	Arva	1320 Prospect St, Seattle 9, Wash	MA2-0177
Pa	I E Robinson Co	7404 W. Chester Pike, Upper Darby, Pa	SH8-1294
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Yewell Associates	Middlesex Trnpk, Burlington, Mass	BR2-9000
SC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
SD	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Tenn	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
Tex	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Utah	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Vt	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	2-6873
Va	Bivins & Caldwell Inc	P.O. Box 6514, Richmond 30, Va	EL5-7331
Wash	Arva	1320 Prospect St, Seattle 9, Wash	MA2-0177
W. Va	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
Wisc	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Wyo	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
	DYNA-EMPIRE INC	**1075 Stewart Ave, Garden City, NY**	**PI1-2700**
Cal	Kennematt Co	Box 2067, Van Nuys, Cal	TR3-2427
Colo	Ivel J Esbenson Co	1725 E. 17th Ave, Denver, Colo	EA2-7733
Fla	Winfield Electronic Sales	Box 427, N. Miami, Fla	PL1-5566
Ill	Dwight Smith & Associates	9 S. River St, Aurora Ill	TW7-5752
Ind	Nelson Gage & Tool Service	Wysor Bldg, Muncie, Ind	AT8-5712
Mo	Louis A Hoppe Co	8114 Rosalie, St. Louis 17, Mo	MI7-3420
NC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Ohio	Norris Engineering Co	Box 86, Far Hills Sta, Dayton, Ohio	AX9470
Pa	Walter J Greenleaf Co	512 Franklin Ave, Pittsburgh 21, Pa	CH2-6967
Tex	Engineering Sales Co	Box 2541, Houston 1, Tex	WA6-8858
Wash	M F Soderling Co	1729 First Ave, S., Seattle 4, Wash	MA2-6056
Wisc	John L McCoy Co	4003 W. Capitol Dr, Milwaukee, Wisc	LP1-3150
Foreign	Emec	127 Grace St, Plainview, NY	WE1-3700
Foreign	Asahi Trading Co Ltd	C.P.O.Box 49, Tokyo, Japan	
	DYNACO INC	**3912 Powelton Ave, Philadelphia, Pa**	**EV6-9405**
Ala	Paul Hayden Associates	682 Lindbergh Dr, N.E., Atlanta 5, Ga	CE3-4743
Alaska	Dave Champlin Co	12528 22nd Ave, N.E., Seattle 55, Wash	EM2-0401
Ariz	Hyde Electronic Sales	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Ark	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Cal	R Mark Marxman	4260 Lankershim Blvd, N. Hollywood, Cal	ST7-3368
Cal	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal	HE1-7710
Colo	Hyde Electronics Sales	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Del	Harold Blumenstein Co	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
DC	Harold Blumenstein Co	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Fla	Paul Hayden Associates	1060 N.E. 180th Terr, N. Miami Beach	WI5-5793
Ga	Paul Hayden Associates	Box 1931, Birmingham, Ala	AL1-8271
Idaho	Hyde Electronic Sales	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Ill	Walter F Marsh Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ind	Charles Scheffler Co	1133 Navajo Trail, Indianapolis 8, Ind	CL3-6337
Iowa	Robert R Shaw Co	7800 Kendridge Ln, St. Louis 19, Mo	WO2-4590
Kan	Robert R Shaw Co	7800 Kendridge Ln, St. Louis 19, Mo	WO2-4590
Ky	Charles Scheffler Co	1133 Navajo Trail, Indianapolis 8, Ind	CL3-6337
La	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Me	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Md	Harold Blumenstein Co	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Mass	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Mich	Wayne Beitel Co	13209 Fenkell, Detroit 27, Mich	VE6-9100
Minn	Clark Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	Paul Hayden Associates	682 Lindbergh Dr, N.E., Atlanta 5, Ga	CE3-4743
Mo	Robert Shaw Co	7800 Kendridge Ln, St. Louis 19, Mo	WO2-4590
Mont	Hyde Electronic Sales	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Neb	Robert Shaw Co	7800 Kendridge Ln, St. Louis 19, Mo	
Nev	E W Brandt	1122 Folsom St, San Francisco 3, Cal	HE1-7700
NH	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
NJ	Leonard Zlowe Co	15 N. Central Ave, Hartsdale, NY	OW3-2922
NJ	Harold Blumenstin Co	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
NM	Hyde Electronics Sales	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Electro-Rep Sales Co	187 Culver Rd, Rochester 7, NY	GR3-7398
NY	Leonard Zlowe Co	15 N. Central Ave, Hartsdale, NY	OW3-2922
NC	Paul Hayden Associates	423 W. 5th St, Burlington, NC	CA7-3479
ND	Clark Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Ohio	Bill Blocki Associates	2280 Liberty Rd, Stow, Ohio	OV8-4277
Okla	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Ore	Dave Champlin Co	12528 22nd Ave, N.E., Seattle 55, Wash	EM2-0401
Pa	Harold Blumenstein Co	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Pa	Bill Blocki Associates	2280 Liberty Rd, Stow, Ohio	OV8-4277
RI	Willson Sales Co	60 Beach St, Marblehead Mass	NE1-4016
SC	Paul Hayden Associates	Box 1931, Birmingham, Ala	AL1-8271
SD	Clark Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Tenn	Paul Hayden Associates	423 W. 5 St, Burlington, NC	CA7-3479
Tex	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Tex	W R Hays Co	12528-22 Ave, N.E., Seattle 55, Wash	EM2-0401
Utah	Hyde Electronic Sales	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Willson Sales Co	60 Beach St, Marblehead, Mass	NE1-4016
Va	Paul Hayden Associates	423 W. 5 St, Burlington, NC	CA7-3479
Wash	Dave Champlin Co	12528-22 Ave, N.E., Seattle 55, Wash	EM2-0401
W. Va	Bill Blocki Associates	2280 Liberty Rd, Stow, Ohio	OV8-4277
Wisc	Walter F Marsh Associates	308 N. Scoville Ave, Oak Park, Ill	
Wyo	Hyde Electronics Sales	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	E S Gould Sales Co	18 LeRoyer W., Montreal 1, Quebec, Can	AV8-5716
Foreign	M Symons & Son	25 Warren St, New York 7, NY	BA7-5513
	DYNAMEANS INC	**1511 W. Clark, Burbank, Cal**	**TN6-5357**
	DYNAMIC AIR ENGINEERING INC	**7412 Main Ave, Los Angeles 1, Cal**	**LU8-3292**
	DYNAMIC CONTROLS CO	**2225 Mass Ave, Cambridge, Mass**	**EL4-3633**
	DYNAMIC ELECTRONICS DIV CAPEHART CORP	**87-46 123 St, Richmond Hill, NY**	**HI1-4400**
DC	F E Law	1001 Connecticut Ave, N.W., Wash 6, DC	RE7-6260
Ohio	H S Stobbs	2279 Seminole Ave, Springfield, Ohio	FA4-2002
Okla	C A Elsey	1404 Johnson Dr, Oklahoma City, Okla	PE7-1822
	DYNAMIC GEAR CO., INC	**Dixon Ave, Amityville, NY**	**AM4-4788**
Ala	Wm M Jones Co	1437 Kenilworth Dr, Atlanta 10, Ga	
Ariz	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	
Cal	W E Zimmerman Co	201 Town & Country Village, Palo Alto, Cal	
Colo	Inland Associates	1480 Hoyt St, Lakewood, Colo	
Del	Wm M Jones Co	1107 Echo Ct, N., Towson 4, Md	
DC	Wm M Jones Co	1107 Echo Ct, N., Towson 4, Md	
Fla	Wm M Jones Co	711 Magnolia Ave, Orlando, Fla	
Ga	Wm M Jones Co	1437 Kenilworth Dr, Atlanta 10, Ga	
Ill	Karl D Engle Co., Inc	4724 N. Sheridan Rd, Chicago 40, Ill	
Ind	John B Anderson	209 W. Fifth Ave, Columbus 1, Ohio	
Iowa	Inland Associates	6047 Howe Dr, Mission, Kan	
Kan	Inland Associates	6047 Howe Dr, Mission, Kansas	
Ky	Engineering Specialties	8115 Camarzo Rd, Cincinnati 43, Ohio	
La	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	
Me	Russell Bird Co	P.O.Box 724, Abington, Mass	
Md	Wm M Jones Co	1107 Echo Ct, N., Towson 4, Md	
Mass	Russell Bird Co	P.O. Box 724, Abington, Mass	
Mich	Frank Villani	7008 Rosemary, Dearborn 6, Mich	
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	
Neb	Inland Associates	6047 Howe Dr, Mission, Kan	
NH	Russell Bird Co	P.O.Box 724, Abington, Mass	
NM	Lawrence Sales Co	P.O. Box 13025, Dallas, Tex	
NY	Ford Myers	52 Gorsline St, Rochester, NY	
NC	W M Jones Co	1107 Echo Ct, N., Towson 4, Md	
Ohio	John B Anderson	209 W. Fifth Ave, Columbus, Ohio	
Okla	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	
Pa	John B Anderson Co	101 Investment Bldg, Pittsburgh 22, Pa	
RI	Russell Bird Co	P.O. Box 724, Abington, Mass	
SC	Wm M Jones Co	1107 Echo Ct, N., Towson 4, Md	
Tex	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	
Vt	Russell Bird Co	P.O. Box 724, Abington, Mass	
Va	Wm M Jones Co	1107 Echo Ct, N., Towson, Md	
Wash	Wm M Jones Co	1107 Echo Ct, N., Towson, Md	
W. Va	Wm M Jones Co	1107 Echo Ct, N., Towson, Md	
Wisc	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	
	DYNAMIC INSTRUMENT CORP	**59 New York Ave, Westbury, NY**	**ED3-1600**
Ala	W E Wolcott Co	Box 1523, Winter Park, Fla	WI7-3498
Cal	Electro-Mechanical Instruments	4976 Eagle Rock Blvd, Los Angeles 41	CL4-2841
Colo	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City, Mo	DE3-8206
Conn	Electrical Mfrs Service	265 Church St, New Haven, Conn	UN5-8104
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	WO4-8500
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	WO4-8500
Fla	W E Wolcott Co	Box 1523, Winter Park, Fla	WI7-3498
Ga	W E Wolcott Co	Box 1523, Winter Park, Fla	WI7-3498
Ind	Forrest C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Iowa	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Kan	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Ky	Forrest C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Me	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	WO4-8500
Mass	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
Mich	L H Dickelman Co	18450 Livernois Ave, Detroit 21, Mich	UN4-4376
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Miss	W E Wolcott Co	Box 1523, Winter Park, Fla	WI7-3498
Mo	Automatic Gen Electronic Sales	8933 Kathlyn Dr, St. Louis, Mo	HA8-3934
Mo	Automatic Gen Electronc Sales	6550-B Troost Ave, Kansas City, Mo	DE3-8206
Mont	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AD6470
Neb	Automatic Gen Electronic Sales	6550-B Troost Ave, Kansas City, Mo	DE3-8206
NH	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
NJ	Electrical Mfrs Service	18 Yale St, Nutley 10, NJ	NO7-2541
NM	Automatic Gen Electronic Sales	3824 Mockingbird Ln, Dallas, Tex	LA1-7976
NY	Electrical Mfrs Service	105 Hillside Ave, Williston Park, NY	PI2-1616
NC	W E Wolcott Co	Box 523, Winter Park, Fla	WI7-3498
Ohio	Forrest C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Okla	Automatic Gen Electronic Sales	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Ore	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AD6470
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	WO4-8500
RI	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
SC	W E Wolcott Co	Box 1523, Winter Park, Fla	WI7-3498
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	WI7-3498
Tex	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas, Tex	LA1-7976
Vt	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	WO4-8500
Wash	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AD6470
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth Pa	WO4-8500
Wisc	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Foreign	E K Greenhow	89 Robin Hood Ln, Birmingham, England	
	DYNAMICS INSTRUMENTATION CO	**1118 Mission, S. Pasadena, Cal**	**MU2-3318**
Alaska	Burt C Porter Co	1209 S. Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
Cal	J T Hill Co	1864 Bacon St, San Diego, Cal	AC3-7133
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Colo	F Y Gates Co	3395 S. Bannock St, Englewood, Colo	SU1-8566
Conn	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Del	C E Snow Co	919 E. Phil-Ellena St, Philadelphia 50, Pa	LI8-0843
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Hawaii	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ind	Electro Sales Associates	Dabel Sta, P.O. Box 143, Dayton 20, Ohio	CH4-5551
Kan	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Ky	Electro Sales Associates	Dabel Sta, P.O. Box 143, Dayton 20, Ohio	CH4-5551
Me	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Minn	Pat Lind Electronics	9781 Western Ave, Circle Pines, Minn	SU4-3827
Mo	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mont	Burt C Porter	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Mont	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Nev	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
NH	Component Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NJ	Component Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NJ	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-0843
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
NY	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
ND	Pat Lind Electronics	9781 Western Ave, Circle Pines, Minn	SU4-3827
Ohio	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Ohio	Electro Sales Associates	Dabel Sta, Box 143, Dayton, Ohio	CH4-5551
Okla	N S Brown Associates	5852 Boca Raton Dr, S.E. Dallas 39, Tex	EM3-3698
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Pa	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-0843
RI	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
SD	Pat Lind Electronics	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Utah	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Vt	Components Sales Co	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Wisc	Pat Lind Electronics	9781 Western Ave, Circle Pines, Minn	SU4-3827
Wyo	F Y Gates Co	3395 S. Bannock St, Englewood, Colo	SU1-8566
	DYNAMICS RESEARCH CORP	**38 Montvale Ave, Stoneham, Mass**	**ST6-3900**
Ala	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Cal	Meredith Engineering Associates	385 E. Green St, Pasadena, Cal	MU1-9957
Cal	William Theisen & Co	405 S. Sunnyvale, Sunnyvale, Cal	RE9-6460
Conn	Charles Harvi	Dedham St, Dover, Mass	ST5-0790
Del	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
DC	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Fla	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Ga	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Iowa	Eder & Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Md	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Mass	Charles Harvi	Dedham St, Dover, Mass	ST5-0790
Mich	Eder & Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Minn	Eder & Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Miss	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
NH	Charles Harvi	Dedham St, Dover, Mass	ST5-0790
NJ	Bradley Associates	215 W. 68th St, New York, NY	SU7-7227
NJ	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
NY	Bradley Associates	215 W. 68th St, New York, NY	SU7-7227
NY	Lake Electronic Sales Co	791 Blossom Rd, Rochester, NY	HU2-9353
Okla	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Pa	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Va	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Wash	Frederick F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7325
Wisc	Eder & Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
	DYNAMU MAGNETRONICS CORP DIV MAICO ELECTRONICS INC	**21 N. 3rd St, Minneapolis 1, Minn**	**FE9-7041**
	DYNATRAN ELECTRONICS CORP	**170 Herricks Rd, Mineola, NY**	**PI7-4141**
Conn	Burlingame Associates	510 Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates	8218 Wisconsin Ave, Washington, DC	OL4-6400
DC	Burlingame Associates	8218 Wisconsin Ave, Washington, DC	OL4-6400
Me	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Associates	8218 Wisconsin Ave, Washington, DC	OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
NH	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NY	Burlingame Associates	University Bldg, Syracuse, NY	GR4-7409
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa	SH7-9080
RI	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Vt	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
	DYNEX INC	**123 Ellens Way, Syosset, NY**	**WA1-2200**
Ariz	Martin & Ozier	213 S. Hawthorne Blvd, Hawthorne, Cal	
Ark	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Cal	Martin & Ozier	213 S. Hawthorne Blvd, Hawthorne, Cal	
Colo	Paul P Robbins & Associates	7021 Zuni St, Denver, Colo	
Conn	A T Clarke	P.O. Box 143, Greenfield, NH	
Del	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
DC	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
Idaho	Paul P Robbins & Associates	7021 Zuni St, Denver, Colo	
Ill	G R Carrier Co., Inc	10340 S. Western Ave, Chicago, Ill	
Ind	Aerialectronics Inc	405 Grant St, Fairborn, Ohio	
Iowa	G R Carrier Co., Inc	10340 S. Western Ave, Chicago, Ill	
Kan	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
La	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Me	A T Clarke	P.O. Box 143, Greenfield, NH	
Md	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
Mass	A T Clarke	P.O. Box 143, Greenfield, NH	
Mich	C H Roller	P.O. Box A-888, Grand Rapids, Mich	
Minn	G R Carrier Co., Inc	10340 S. Western Ave, Chicago, Ill	
Mo	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Mont	Paul P Robbins & Associates	7021 Zuni St, Denver, Colo	
NH	A T Clarke	P.O. Box 143, Greenfield, NH	
NJ	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
Ohio	Aerialectronics Inc	405 Grant St, Fairborn, Ohio	
Okla	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Pa	Charles C Cooper	112 Oakwood Rd, Canonburg, Pa	
Pa	Aerialectronics Inc	405 Grant St, Fairborn, Ohio	
Pa	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
RI	A T Clarke	P.O. Box 143, Greenfield, NH	
Tex	ACSI Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Utah	Paul P Robbins Associates	7021 Zuni St, Denver, Colo	
Vt	A T Clarke	P.O. Box 143, Greenfield, NH	
Va	Wm Miller	445 Eastgate Rd, Ridgewood, NJ	
W. Va	Charles C Cooper	112 Oakwood Rd, Canonburg, Pa	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wyo	Paul P Robbins	7021 Zuni St, Denver, Colo	
	DYTRONICS	**P.O. Box 3676, Columbus 14, Ohio**	
Ala	Earley Dynamics	1218 E. Knollwood St, Tampa 4, Fla	31-4071
Cal	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
Cal	G H Vaughan Co	P.O. Box 1253, Palo Alto, Cal	DA1-1347
Conn	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass	PL3-8187
Del	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
DC	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Fla	Earley Dynamics	1218 E. Knollwood St, Tampa 4, Fla	31-4071
Ga	Earley Dynamics	1218 E. Knollwood St, Tampa 4, Fla	31-4071
Ky	Ohio Instrument Co., The	7316 Churchill Dr, Dayton, Ohio	CH4-2744
Me	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass	PL3-8187
Md	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Mass	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass	PL3-8187
NH	Associated Electronics	525 Pleasant St, Worcester 2, Mass	PL3-8187
NJ	Herbert Shprentz Co	P.O. Box 147, Scarsdale, NY	SC5-0485
NY	Herbert Shprentz Co	P.O. Box 147, Scarsdale, NY	SC5-0485
Ohio	Ohio Instrument Co., The	7316 Churchill Dr, Dayton 32, Ohio	CH4-2744
Pa	Ohio Instrument Co., The	7316 Churchill Dr, Dayton, Ohio	CH4-2744
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
RI	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass	PL3-8187
Vt	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass	PL3-8187
Va	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
W. Va	Ohio Instrument Co., The	7316 Churchill Dr, Dayton, Ohio	CH4-2744
	DZUS FASTENER CO., INC	**125 Union St, West Islip, NY**	**MO9-0494**
	ECM CORP	**8160 Orion Ave, Van Nuys, Cal**	**ST2-9981**
	E-H RESEARCH LABS INC	**163 Adeline St, Oakland 20, Cal**	**TE4-3030**
Ala	Scientific Sales Engrg Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	CR7-0506
Ark	Dannemiller Smith Inc	6218-B Westheimer Rd, Houston 27, Tex	HO5-8347
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	AT7-9633
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Colo	Gene French Co	1480 Hoyt, Denver 15, Colo	MA3-1458
Conn	Instrument Associates	734 Asylum Ave, Hartford, Conn	CH7-1165
Del	Gawler Knoop Co	178 Eagle Rock Ave, Roseland, NJ	DI4-2997
DC	Gawler Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Scientific Sales Engrg Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Idaho	Gene French Co	138 S. 2nd East, Salt Lake City, Utah	EM4-3057
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	KE9-4836
Ind	Pivan Engineering Co	6055 N. College, Indianpolis, Ind	CL3-0444
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	KE9-4836
Kan	Design & Sales Engineering Co	10611 W. 56th Terr, Shawnee, Kan	HE2-2528
La	Dannemiller Smith Inc	6218-B Westheimer Rd, Houston 27, Tex	HO5-8347
Me	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
Md	Gawler Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
Mich	Tiby Engineering Co	1822 James Couzens Hwy, Detroit 35	UN4-9298
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Miss	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Nev	J T Hill Co	420 S. Pine St, San Gabriel, Cal	AT7-9633
NH	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
NJ	Gawler Knoop Co	178 Eagle Rock Ave, Roseland, NJ	DI4-2997
NM	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	AM8-2478
NY	SBM Associates	9 Highland Ave, Albany 5, NY	HE8-5381
NY	Gawler Knoop Co	178 Eagle Rock Ave, Roseland, NJ	DI4-2997
NC	Scientific Sales Engrg Co	2831 S. Main St, Winston Salem, NC	PA3-3281
ND	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Ohio	Tiby Engineering Co	2245 Warrensville Center Rd, Cleveland	ER1-5335
Okla	Dannemiller Smith Inc	6218-B Westheimer Rd, Houston 27, Tex	HO5-8347
Ore	Burt C Porter Co	Box 7854, Portland 12, Ore	AT4-1718
Pa	Gawler Knoop Co	835 Glenside Ave, Wyncote, Pa	TU4-8805
Pa	Tiby Engineering Co	2245 Warrensville Ctr, Cleveland, Ohio	ER1-5335
RI	Instrument Associates	734 Asylum Ave, Hartford, Conn	CH7-1165
SC	Scientific Sales Engrg Co	2831 S. Main St, Winston Salem, NC	PA3-3281
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tenn	Scientific Sales Engrg Co	2831 S. Main St, Winston Salem, NC	PA3-3281
Tex	Dannemiller Smith Inc	6218-B Westheimer Rd, Houston 27, Tex	HO5-8347
Utah	Gene French Co	138 S. 2nd East, Salt Lake City, Utah	EM4-3057
Vt	Instrument Associates	734 Asylum Ave, Hartford, Conn	CH7-1165
Va	Gawler Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W.Va	Tiby Engineering Co	2245 Warrensville Center, Cleveland	ER1-5335
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	
Wisc	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Wyo	Gene French Co	1480 Hoyt, Denver 15, Colo	MA3-1458
Canada	Allan Crawford Associates	Box 214, Willowdale, Ontario, Canada	BA5-7391
Foreign	Livingston Laboratories	Retcar St, London N. 19, England	
Foreign	Gesellschaft fuer Nu & Elecm b h	111 Dachauerstrasse, Munich, W. Germany	
Foreign	Silverstar Ltd	21 Via Visconti Madrone, Milan, Italy	792
	EIR CORP	**5177 Overland Ave, Culver City, Cal**	**TE0-7601**
	EMI COSSOR ELECTRONICS LTD	**Box 525, Dartmouth, Nova Scotia**	**6-7491**
NY	Hoffman Electron Tube Corp	804 Newbridge Ave, Westbury, NY	ED3-6650
Canada	Emi-Cossor Electronics Ltd	2005 MacKay St, Montreal, Canada	V.2-7955
Canada	Emi-Cossor Electronics Ltd	3077 Bathurst St, Toronto, Canada	RU1-2919
	EMP ELECTRONICS RES LABS INC	**3131 N. 29th Ave, Phoenix, Ariz**	**AL8-2462**
Cal	West Eleven Inc	8961 Sunset Blvd, Los Angeles	CR4-7578
	E O ELECTRONICS INC	**Mountain Lakes, NJ**	**DE4-8727**
	EP ELECTRIC PRODUCTS CO LTD	**9720 Waverly St, Montreal 12, Que, Can**	**DU9-8267**
	EPR SPECIAL PRODUCTS CORP	**675 Barbey St, Brooklyn, NY**	**HY5-0133**
	ESC CORP	**534 Bergen Blvd, Palisades Park, NJ**	**WI4-0400**
Ariz	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Ark	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Conn	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Del	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
DC	Richard Trainor	115 Greenbrier Rd, Towson 4, Md	VA3-6184
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Ind	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Iowa	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Kan	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ky	Callaghan-Bach	2209 Losantiville Rd, Cincinnati 13, Ohio	
Me	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Md	Richard Trainor	115 Greenbrier Rd, Towson 4, Md	VA3-6184
Mass	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Mich	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Minn	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Nev	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
NH	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NJ	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NJ	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
NM	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
NM	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
NY	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
NY	Edward Palk	1551 Franklin Ave, Mineola, NY	PI1-7044
Ohio	Callaghan-Bach	2209 Losantiville Rd, Cincinnati 13, Ohio	
Okla	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Pa	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
RI	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Tenn	Callaghan-Bach	2209 Losantiville Rd, Cincinnati 13, Ohio	
Tex	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Vt	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
Va	Richard Trainor	115 Greenbrier Rd, Towson 4, Md	VA3-6184
Wisc	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Wisc	Magnuson Associates	1359 W. Maynard Dr, St. Paul 16, Minn	
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Canada	UN6-7367
	E-T-A PRODUCTS CO OF AMERICA	**6284 N. Cicero Ave, Chicago 46, Ill**	**KI5-1554**
Cal	Representatives Inc	Box 3425, Term-Annex, L A 54, Cal	DU2-6783
Conn	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
NY	Jack Miller Co., The	1 Continental Ave, Forest Hills 75, NY	BO3-4446
	ETC INC	**990 E. 67th St, Cleveland 3, Ohio**	**EN1-3144**
Cal	Featherstone & Salisbury	1355 Market St, San Francisco 3, Cal	
Cal	Control Switches Inc	6241 W. 89th St, Los Angeles 45, Cal	
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	
Ill	Frank B Tatro & Associates	6022 N. Rogers Ave, Chicago 46, Ill	
Mass	Alexander Norden	54 Moraine St, Jamaica Plain, Mass	
Mich	Herick & Ralph Associates	4765 Bellevue Ave, Detroit 7, Mich	
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	
NY	Electrical Manufacturers Service	105 Hillside Ave, Williston Park, NY	
Ohio	George L Herrick Co	15326 Lorain Ave, Cleveland 11, Ohio	
Ore	Pacific Electric Sales	140 S.E. 28th Ave, Portland 15, Ore	
Tex	L R Ward Co	3009 Canton St, Dallas 26, Tex	
Wisc	L B Knaak Co	3879 N. Richards St, Milwaukee 12, Wisc	
	E-Z-WAY TEMPLATES	**P.O. Box 535, Reseda, Cal**	**DI4-5983**
	E-Z WAY TOWERS INC	**5901 E. Broadway, Tampa, Fla**	
	EAGLE ELECTRIC MFG CO., INC	**23-10 Bridge Plaza, S., L I City, NY**	**ST4-9200**
Ala	F E Hopper	6130 S.W. 47 Ave, Miami, Fla	MO7-6946
Alaska	Richard A Harris	11 South St, Boston, Mass	HU2-3890
Ariz	Southwestern Sales Co	6218 W. Indianola, Glendale, Cal	
Ark	J M Taite	Box 28176, Dallas, Tex	DA7-4765
Cal	Brill Electric	446 Bryant St, San Francisco, Cal	SU1-7547
Cal	D Niemann	432 Collyton St, Los Angeles, Cal	MA6-7736
Colo	F E Stahle & Sons	2046 Arapahoe St, Denver, Colo	TA5-3991
Conn	Richard A Harris	11 South St, Boston, Mass	HU2-3890
Del	R Gusky	507 Rock Glen Dr, Wynnewood, Pa	MI2-8712
DC	R Gusky	507 Rock Glen Dr, Wynnewood, Pa	MI2-8712
Fla	F E Hopper	6130 S.W. 47 Ave, Miami, Fla	MO7-6946
Ga	F E Hopper	6130 S.W. 47 Ave, Miami, Fla	MO7-6946
Hawaii	Alfred E Linzer Co	1507 Kapiolani Blvd, Honolulu, Hawaii	
Idaho	M Levin	205 N.W. 10 Ave, Portland, Ore	CA2-9591
Ill	A W Hirshman	2814 W. Fullerton Ave, Chicago, Ill	WH3-2633
Ind	A L Ehlers Co	1635 Gent Ave, Indianapolis, Ind	ME2-2568
Iowa	E T Tabor	3240 S. 31 St, Lincoln, Neb	34420
Kan	R J Keely Jr	7275 Princeton, University City, Mo	PA7-7579
Ky	D A Stromberg	2531 Hampton Rd, Cleveland, Ohio	ED1-5777
La	J M Taite	Box 28176, Dallas, Tex	DA7-4765
Me	Richard A Harris	11 South St, Boston, Mass	HU2-3890
Md	R Gusky	507 Rock Glen Dr, Wynnewood, Pa	
Md	C B Miller	6613 N. Gratz St, Philadelphia, Pa	CA4-2186
Mass	Richard A Harris	11 South St, Boston, Mass	HU2-3890
Mich	Popkin Bros	6233 Concord, Detroit, Mich	
Minn	R J Bork	872 Curfew St, St. Paul, Minn	MI6-7994
Miss	F E Hopper	6130 S.W. 47 Ave, Miami, Fla	MO7-6946
Mo	R J Keely Jr	7275 Princeton, University City, Mo	PA7-7579
Mont	M Levin	205 N.W. 10 Ave, Portland, Ore	CA2-9591
Neb	E T Tabor	3240 S. 31 St, Lincoln, Neb	34420
NH	Richard A Harris	11 South St, Boston, Mass	HU2-3890
NJ	J Jenkins	23 Devon Dr, Orangeburg, NY	
NM	F E Stahle & Sons	2046 Arapahoe St, Denver, Colo	TA5-3991
NY	J Ludwig	7045 173 St, Jamaica, NY	JA6-1396
NY	C B Miller	6613 N. Gratz St, Philadelphia, Pa	CA4-2186
NC	B MacFadden	8319 W. Whitewood Rd, Richmond, Va	AT2-6270
ND	R J Bork	872 Curfew St, St. Paul, Minn	MI6-7994
Ohio	Popkin Bros	6233 Concord, Detroit, Mich	
Ohio	D A Stromberg	2531 Hampton Rd, Cleveland, Ohio	ED1-5777
Okla	J M Taite	Box 28176, Dallas, Tex	DA7-4765
Ore	M Levin	205 N.W. 10 Ave, Portland, Ore	CA2-9591
Pa	R Gusky	507 Rock Glen Dr, Wynnewood, Pa	
Pa	C B Miller	6613 N. Gratz St, Philadelphia, Pa	CA4-2186
RI	Richard A Harris	11 South St, Boston, Mass	HU2-3890
SC	B MacFadden	8319 W. Whitewood Rd, Richmond, Va	AT2-6270
SD	R J Bork	872 Curfew St, St. Paul, Minn	MI6-7994
Tenn	B MacFadden	8319 W. Whitewood Rd, Richmond, Va	AT2-6270
Tex	J M Taite	Box 28176, Dallas, Tex	DA7-4765

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Utah	Brill Electric, 446 Bryant St, San Francisco, Cal	SU1-7547
Vt	Richard A Harris, 11 South St, Boston, Mass	HU2-3690
Va	B MacFadden, 8319 W. Whitewood Rd, Richmond, Va	AT2-6270
Va	R Gusky, 507 Rock Glen Dr, Wynnewood, Pa	
Wash	M Levin, 205 N.W. 10 Ave, Portland, Ore	CA2-9591
W. Va	C B Miller, 6613 N. Gratz St, Philadelphia, Pa	CA4-2186
Wisc	F Snyder, 2944 N. 92 St, Milwaukee, Wisc	
Wyo	F E Staible & Sons, 2046 Arapahoe St, Denver, Colo	TA5-3991
	EAGLE-PICHER CO	**American Bldg, Cincinnati 1, Ohio**	**PA1-7010**
Cal	Eagle-Picher Co	320 Pine Ave, Long Beach 12, Cal	HE5-4821
Ill	Eagle-Picher Co	1 N. La Salle St, Chicago 2, Ill	CE6-8277
Mo	Eagle-Picher Co	950 Home Savings Bldg, K C 6, Mo	BA1-1090
NY	Eagle-Picher Co	420 Lexington Ave, New York 17, NY	MU6-4930
Ohio	Eagle-Picher Co	1634 Standard Bldg, Cleveland 13, Ohio	TO1-5424
Pa	Eagle-Picher Co	33rd & Arch Sts, Philadelphia 4, Pa	EV2-0660
Pa	Eagle-Picher Co	1501 Oliver Bldg, Pittsburgh 22, Pa	EX1-0998
Tex	Eagle-Picher Co	209 N. Hawkins St, Dallas 26, Tex	RA2606
	EAGLE SIGNAL CO A DIV OF THE GAMEWELL CO	**202-20th St, Moline, Ill**	**2-5571**
Ala	McConnell Sales & Engineering Co	1661-28th Ave, S., Birmingham 9, Ala	TR1-3501
Ariz	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Campbell & George Co	1601 Cortland Ave, San Francisco 10, Cal	MI8-1236
Colo	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5454
Conn	Gibson Engineering Co	141 Washington St, Hartford 6, Conn	CH7-6919
Fla	Ward Engineering Co., Inc	1015 W. Central Ave, Orlando, Fla	GA2-4295
Ga	Thomas B Combs Co	1823 Gordon Rd, S.W., Atlanta, Ga	PL8-5516
Ill	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	ST8-6485
Iowa	Donald Corp	308 E. 6th Ave, Des Moines 9, Iowa	CH3-7623
Md	Harry M Wood & Co., Inc	124 Light St, Baltimore 2, Md	MU5-4643
Mass	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15	AS7-5074
Mich	Ralph D Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Minn	R A Lundbeck Co	1900 University Ave, St. Paul, Minn	MI6-4523
Mo	Barger Equipment Co., Inc	4030 Chouteau Ave, St. Louis 10, Mo	JE3-0123
NY	C H Ribble Co	31 DiCarolis Ct, Hackensack, NJ	DI2-2602
Ohio	J L Finnicum & Associates	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7477
Ohio	Thal Mor Associates Inc	11 W. Monument Ave, Dayton 2, Ohio	BA2-9661
Okla	C B Anderson Electric Co	712 Oil Capital Bldg, Tulsa 3, Okla	GI7-1123
Ore	Branom & Leeland Instrument Co	6019 N.E. Union Ave, Portland 11, Ore	BU5-5205
Pa	Edgar M Moore & Co	6964 Thomas Blvd, Pittsburgh 8, Pa	EM1-8780
Pa	W F Keegan & Co	771 Shelbourne Rd, Upper Darby, Pa	FL2-1125
Tex	Lynn Elliott Co	372 M & M Bldg, Houston 2, Tex	CA4-9715
Utah	Nabaum & Co., Inc	4777 S. 1300 E., Salt Lake City 17, Utah	CR7-0459
Wash	Branom & Leeland Instrument Co	2136 Second Ave, Seattle 1, Wash	MA2-7320
Canada	Davis Automatic Controls Ltd	P.O. Box 160, Islington, Ontario, Canada	BE3-3211
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
	EASTERN AIR DEVICES INC	**385 Central Ave, Dover, NH**	**SH2-3330**
Ariz	Perimuth Electronics	5057 W. Washington Blvd, L A, Cal	WE1-1041
Ark	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FR1-9991
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Cal	Perimuth Electronics	5057 W. Washington Blvd, L A, Cal	WE1-1041
Colo	Fred E Pease Co	4921 E. 38th Ave, Denver 7, Colo	FR7-2336
Conn	Neil McGrady	Box 36, Dorchester 25, Mass	TA5-0817
Del	J H Electronic Sales Co	Box 6844, Towson 4, Md	VA5-4441
DC	J H Electronic Sales Co	Box 6844, Towson 4, Md	VA5-4441
Fla	W Ben Wimberly Co	532 S. Ft. Harrison Ave, Clearwater, Fla	CL3-7072
Ill	G Mc L Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Ind	Callaghan-Bach	2209 Losantiville, Cincinnati, Ohio	RE1-8660
Iowa	Jerry Vrnik Mfg Agency	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	Ross D Sebright & Co	7120 W. Florrisant, St. Louis 20, Mo	CO1-0055
Ky	Callaghan-Bach	2209 Losantiville, Cincinnati, Ohio	RE1-8660
La	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FR1-9991
Me	Neil McGrady	Box 36, Dorchester 25, Mass	TA5-0817
Md	J H Electronic Sales Co	Box 6844, Towson 4, Md	VA5-4441
Mass	Neil McGrady	Box 36, Dorchester 25, Mass	TA5-0817
Mich	Henschen & Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	Jerry Vrnik Mfg Agency	419 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Mo	Russ D Sebright & Co	7120 W. Florrisant, St. Louis 20, Mo	CO1-0055
Neb	Fred E Pease Co	4921 E. 38th Ave, Denver 7, Colo	FR7-2336
Nev	Perimuth Electronics	5057 W. Washington Blvd, L A, Cal	WE1-1041
NH	Neil McGrady	Box 36, Dorchester 25, Mass	TA5-0817
NJ	Comtronics Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NJ	J H Electronics Sales Co	Box 6844, Towson, Md	VA5-4441
NM	Fred E Pease Co	4921 E. 38th Ave, Denver 7, Colo	FR7-2336
NY	Comtronics Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NY	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester, NY	HA6-1090
NC	J H Electronics Sales Co	Box 6844, Towson, Md	VA5-4441
Ohio	George T Wright & Associates	Box 2950, Cleveland, Ohio	ED1-8656
Ohio	Callaghan-Bach	2209 Losantiville, Cincinnati, Ohio	RE1-8660
Okla	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FR1-9991
Pa	J H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
Pa	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester, NY	HA6-1090
RI	Neil McGrady	Box 36, Dorchester, Mass	TA5-0817
Tenn	Callaghan-Bach	2209 Losantiville, Cincinnati, Ohio	RE1-8660
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FR1-9991
Utah	Fred E Pease	4921 E. 38th Ave, Denver 7, Colo	FR7-2336
Vt	Neil McGrady	Box 36, Dorchester 25, Mass	TA5-0817
Va	J H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
Wisc	G Mc L Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Wyo	Fred E Pease	4921 E. 38th Ave, Denver 7, Colo	FR7-2336
	EASTERN INDUSTRIES INC	**100 Skiff St, Hamden, Conn**	**CH8-3841**
Ala	Southeast Engineers Inc	3506 6th Ave, S., Birmingham 6, Ala	
Cal	Eastern Industries Inc	4203 Spencer St, Torrance, Cal	
Colo	Alta Engineering Co	2950 S. Fox St, Englewood, Colo	
Conn	Masten-Wright Corp	Box 1896, New Haven, Conn	
Kan	Airlight Sales	350 S. Socora Dr, Wichita, Kan	
Ky	Henry M Wood Co	Box 5167, Louisville, Ky	
Mass	Eastern Industries Inc	66 Central St, Wellesley, Mass	
Ohio	Henry M Wood Co	Box 248, Worthington, Ohio	
Ohio	Wagner-Green Co	11750 Shaker Blvd, Cleveland 20, Ohio	
Ohio	Henry M Wood Co	920 W. McMillan St, Cincinnati, Ohio	
Ohio	Henry M Wood Co	384 W. 1st Ave, Dayton, Ohio	
Pa	Frank H Loob Jr	411 Chestnut St, Ridley Park, Pa	
Utah	Alta Engineering Co	770 S. 2nd, W., Salt Lake City 1, Utah	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Canada	Enterprise Agencies Limited	5301 Western Ave, Montreal 3, Canada
	EASTERN JEWEL CORP	**Plainview, NY**	**OY1-4422**
Cal	Vincent & Walker	6326 Laurel Canyon, N. Hollywood, Cal	PO2-7200
Colo	Vines & Co	P.O. Box 1025, Denver, Colo	TA5-4471
Conn	Robert S Reiss Associates	70 Jessie Dr, West Haven, Conn	WE4-5261
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood, Fla	WA2-4430
Ill	Sam Wiley	2060 W. Birchwood, Chicago 45, Ill	UP8-3313
Ind	Kersch Sales Co	107 Wabash, La Fontaine, Ind	UK1-2801
Mich	Moore Sales Co	401 Margaret, W., Detroit 3, Mich	
Minn	Forrest Carleen	RT 1, Mound, Minn	GR2-2271
NY	Steve Fisher Sales	800 Greenwood Ave, Brooklyn, NY	HY9-6691
NC	G F Schiffer & Co	P.O. Box 6365, Greensboro, NC	
Ohio	Walter Brauer & Associates	15631 Lakewood Hgts Blvd, Cleveland	LA1-7268
Pa	Eastern-Herman Lewis Co	1622 68 Ave, Philadelphia, Pa	
Pa	Western-Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	
Wash	Northwestern Sales Agency	2216 11Ave, W., Seattle 99, Wash	
	EASTERN PRECISION RESISTOR CORP	**675 Berbey St, Brooklyn, NY**	**HY5-0133**
	EASTERN REPRODUCTION INC	**1250 Main St, Waltham, Mass**	**TW3-0555**
Mass	Cirolia, LeBlanc Sales Co., Inc	885 Main St, Waltham 54, Mass	
	EASTERN SMELTING & REFNG CORP	**107-109 W. Brookline St, Boston 18, Mass**	**CO6-7504**
	EASTERN SPECIALTY CO	**Philadelphia 40, Pa**	**BA8-0500**
	EASTERN TECHNICAL ASSOC INC	**Main St, N. Acton, Mass**	**CO3-7719**
	EASTERN TOOL & MFG CO	**1 Montgomery St, Belleville 9, NJ**	**RE2-7875**
			PL9-7100
	EASTMAN KODAK CO	**343 State St, Rochester 4, NY**	
	EATON MFG CO RELIANCE DIV	**25 Charles Ave, S.E., Massillon, Ohio**	**TE2-1511**
Ala	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Ariz	Grether & Grether	Box 47, Stockton, Cal	OW7-7812
Ark	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Cal	Grether & Grether	Box 47, Stockton, Cal	OW7-7812
Colo	Grether & Grether	Box 47, Stockton, Cal	OW7-7812
Conn	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Del	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
DC	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Idaho	Grethery & Grether	P.O. Box 47, Stockton, Cal	OW7-7812
Ill	E C Gross	32 S. Michigan Ave, Chicago 4, Ill	HA7-4441
Ind	E C Gross	32 S. Michigan Ave, Chicago 4, Ill	HA7-4441
Iowa	E C Gross	32 S. Michigan Ave, Chicago 4, Ill	HA7-4441
Kan	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
La	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Me	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Md	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Mass	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Mich	Wm Chandler	18451 James Couzens Hwy, Detroit, Mich	UN4-5900
Minn	E C Gross	32 S. Michigan Ave, Chicago 4, Ill	HA7-4441
Miss	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Mo	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Mont	Grether & Grether	Box 47, Stockton, Cal	OW7-7812
Neb	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Nev	Grether & Grether	Box 47, Stockton, Cal	OW7-7812
NH	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
NJ	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
NM	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
NY	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
NC	J W Ogden	25 Charles Ave, S.E., Massillon, Ohio	TE2-1511
ND	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Okla	F C Lindeman	3110 N. Fitzhugh Ave, Dallas, Tex	LA6-5801
Ore	H Hobelmann	225 Kansas St, San Francisco, Cal	JN3-4046
Pa	W F McCormick	17877 St. Clair Ave, Cleveland, Ohio	IV1-9000
RI	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
SD	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Tex	E C Lindeman	3110 N. Fitzhugh Ave, Dallas, Tex	LA6-5801
Utah	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
Vt	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Va	P R Byrd	420 Lexington Ave, New York 17, NY	MU3-2182
Wash	H Hobelmann	225 Kansas St, San Francisco, Cal	JN3-4046
Wisc	E C Gross	32 S. Michigan Ave, Chicago 4, Ill	HA7-4441
Wyo	Frank K Howell	3903 Olive St, St. Louis 8, Mo	JE5-0388
	EBAUCHES S A DEPT of SEMICONDUCTEURS	**Fauborg Hopital 1, Neuchatel, Suisse**	**038/57401**
	EBERLINE INSTRUMENT CORP	**Box 279, Santa Fe, NM**	**YU2-1881**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Alaska	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
Cal	William S Johnson Sr	P.O. Box 36, Lafayette, Cal	AT4-4900
Conn	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
Del	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
DC	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
Fla	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Hawaii	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
Ill	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Ind	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Iowa	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Ky	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
La	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Me	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
Md	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
Mass	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
Mich	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Minn	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Miss	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Mo	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
NH	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
NJ	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
NY	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
NY	Clarence O Slover	P.O. Box 7605, Wash 4, DC	RE7-6614
NC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Ohio	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
Ore	William S Johnson Sr	P.O. Box 36, Lafayette, Cal	AT4-4900
Pa	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
RI	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
SC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	5-3333
Vt	Applied Technology Inc	7 Vine St, Manchester, Mass	CA7-2700
Va	Clarence O Slover	Box 7605, Washington 4, DC	RE7-6614
Wash	William S Johnson Sr	P.O. Box 36, Lafayette, Cal	AT4-4900
W. Va	Clarence O Slover	P.O. Box 7605, Washington 4, DC	RE7-6614
Wisc	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Canada	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
	EBERT ELECTRONICS CORP	**212-26 Jamaica Av, Queens Village, NY**	**SP6-1800**
Ala	Ray Williamson Co	P.O. Box 28, Gadsden, Ala	LI6-9340
Ariz	Hundley Co., The	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Hundley Co., The	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Conn	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
Del	Tyler Griffen Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
DC	Tyler Griffen Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Fla	Ray Williamson Co	P.O. Box 28, Gadsden, Ala	LI6-9340
Ga	Ray Williamson Co	P.O. Box 28, Gadsden, Ala	LI6-9340
Ill	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Me	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
Md	Tyler Griffin	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Mass	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
Mich	F A Villani	7008 Rosemary, Dearborn, Mich	LO3-1256
Minn	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
NH	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
NY	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
Ohio	Robert Stone & Associates	P.O. Box 3534, Cleveland Heights 18, Ohio	ER1-4484
Pa	Tyler Griffen Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
RI	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
Tenn	Ray Williamson Co	P.O. Box 28, Gadsden, Ala	LI6-9340
Tex	Southwestern Controls	4716 Eli St, Houston 7, Tex	UN2-8874
Vt	Northrep Associates	Box 12, Manchester, Conn	MI3-0863
W. Va	Robert Stone & Associates	P.O. Box 3534, Cleveland Heights 18, Ohio	ER1-4484
Wisc	Anthony N Grotz & Associates	5809 W. Montrose Ave, Chicago 34, Ill	SP7-9525
Foreign	Philips Export Co	100 E. 42nd St, New York 17, NY	OX7-3600
	EBY CO., HUGH H	**4701 Germantown Ave, Phila 44, Pa**	**DA4-7000**
Alaska	Roger Minthorne	0673 S.W. Taylor Ferry Rd, Portland 16, Ore	
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	
Cal	J W Marsh Co	4216 W. Jefferson Blvd, Los Angeles, 16, Cal	
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco 24, Cal	
Colo	Hyde Sales Co	888 S. Lipan St, Denver 23, Colo	
Conn	Sales Engineering Co	Sugar Ln, Newton, Conn	
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	
Fla	Jack Geartner Co	711 Magnolia, Orlando, Fla	
Idaho	Hyde Sales Co	888 S. Lipan St, Denver 23, Colo	
Ill	W F E Bomke Sales Co	6966 W. North Ave, Chicago 35, Ill	
Ind	Southern Sales Co	Box 105, Lakeshore Dr, Angola, Ind	
Iowa	Koenig-Meyers Associates	4538 Main St, Kansas City, Mo	
Kan	Koenig-Meyers Associates	4538 Main St, Kansas City, Mo	
Me	Sales Engineering Co	89 High St, Chelmsford, Mass	
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	
Mich	SHALCO	23525 Woodward Ave, Ferndale 20, Mich	
Mich	SHALCO	700 S.E. Rosewood Ave, Grand Rapids, Mich	
Minn	E O Hagestad & Associates	4513 Laguna Dr, Minneapolis 24, Minn	
Mo	Koenig-Meyers Associates	4538 Main St, Kansas City, Mo	
Neb	Koenig-Meyers Associates	4538 Main St, Kansas City, Mo	
NH	Sales Engineering Co	89 High St, Chelmsford, Mass	
NM	Hyde Sales Co	5206 Constitution Ave, Albuquerque, NM	
NY	Eby Sales Co	130 Lafayette St, New York 13, NY	
ND	E O Hagestad & Associates	4513 Laguna Dr, Minneapolis 24, Minn	
Ohio	Paul Sales Co	2609 Broadway, Ft. Wayne, Ind	
Okla	Southwest Electronics	The Meadows Bldg, Dallas 6, Texas	
Ore	Roger Minthorne	0673 S.W. Taylor Ferry Rd, Portland 16, Ore	
Pa	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	
RI	Sales Engineering Co	Sugar Ln, Newton, Conn	
SD	Hyde Sales Co	5206 Constitution Ave, Albuquerque, NM	
Tex	Southwest Electronics	The Meadows Bldg, Dallas 6, Tex	
Utah	Hyde Sales Co	888 S. Lipan St, Denver 23, Colo	
Vt	Sales Engineering Co	89 High St, Chelmsford, Mass	
Wash	Roger Minthorne	0673 S.W. Taylor Ferry Rd, Portland 16, Ore	
W. Va	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	
Wisc	W F E Bomke Sales Co	6966 W. North Ave, Chicago 35, Ill	
Wyo	Hyde Sales Co	888 S. Lipan St, Denver 23, Colo	
	ECCO ELECTRONIC COMP CORP	**578 Nepperhan Ave, Yonkers, NY**	**GR6-5500**
Ala	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ariz	J W Marsh Co	4216 W. Jefferson Blvd, Los Angeles, Cal	RE2-0145
Cal	J W Marsh Co	4216 W. Jefferson Blvd, Los Angeles, Cal	RE2-0145
Conn	Chapman	Box 255, Weston 93, Mass	TW9-1919
Del	Goodman Co	32 W. Biddle, Baltimore, Md	SA7-6116
DC	Goodman Co	32 W. Biddle, Baltimore, Md	SA7-6116
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, North Miami, Fla	PL1-5566
Ga	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ill	Kennedy	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Technical Sales Associates	Talbott Tower, Dayton, Ohio	BA4-5302
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	SE2-5457
Kan	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	SE2-5457
Me	Chapman	Box 255, Weston 93, Mass	TW9-1919
Md	Goodman	32 W. Biddle, Baltimore, Md	SA7-6116
Mass	Chapman	Box 255, Weston 93, Mass	TW9-1919
Mich	Technical Sales Associates	Talbott Tower, Dayton, Ohio	BA4-5302
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mo	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Neb	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Nev	Marsh Co	4216 W. Jefferson Blvd, Los Angeles, Cal	RE2-0145
NH	Chapman Co	Box 255, Weston, Mass	TW9-1919
NJ	D R Bittan	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	D R Bittan	104 S. Central Ave, Valley Stream, NY	LO1-2444
NC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
ND	Heimann	1711 Hawthorne Ave, Minnpls, Minn	FE2-5457
Pa	Technical Sales Associates	Talbott Tower, Dayton, Ohio	BA4-5302
Pa	Thos E Stewart Co	B'way & Stiles, Maple Shade, NJ	NO3-3433
RI	Chapman Co	Box 255, Weston, Mass	TW9-1919
SC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
SD	Heimann Co	1711 Hawthorne Ave, Minnpls, Minn	FE2-5457
Vt	Chapman Co	Box 255, Weston, Mass	TW9-1919
Va	Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
W. Va	Technical Sales Associate	Talbott Tower, Dayton, Ohio	BA4-5302
Wisc	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Foreign	Sterne International	425 4th Ave, New York, NY	OR9-7374
Canada	MacGurrie, J J	46 St. George St, Toronto 5, Ont, Can	WA3-2455
Foreign	Rafael Ventura	P.O. Box 67, Ramleh, Israel	961062

ECCO HIGH FREQUENCY CORP ... 7020 Hudson Blvd, North Bergen, NJ ... PE6-2611

Cal	Dick Ellis Co	908 Venice Blvd, Los Angeles 15, Cal	RI7-5129
Ill	Factory Standards Laboratory Inc	416 N. State St, Chicago 10, Ill	DE7-3718
Ind	Factory Standards Laboratory Inc	416 N. State St, Chicago 10, Ill	DE7-3718
Iowa	Factory Standards Laboratory Inc	416 N. State St, Chicago 10, Ill	DE7-3718
Mich	Factory Standards Laboratory Inc	416 N. State St, Chicago 10, Ill	DE7-3718
Wisc	Factory Standards Laboratory Inc	416 N. State St, Chicago 10, Ill	DE7-3718

ECKEL VALVE CO ... 1425 First St, San Fernando, Cal ... EM1-6251

Ala	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Ariz	Rubly Engineering Co	3749 4th Ave, San Diego 3, Cal	CY8-7574
Cal	Rubly Engineering Co	3749 4th Ave, San Diego 3, Cal	CY8-7574
Cal	Power Transmission Engineering	86 Keye St, San Jose, Cal	CY4-8181
Conn	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Del	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Fla	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Ga	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Ind	Paquin Co., The	Box 71, Burnet Woods Sta, Cinn 29, Ohio	PL1-5900
Ky	Paquin Co., The	13405 St. Clair Ave, Cleveland 10, Ohio	UL1-4100
Me	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Md	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Mass	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
NH	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
NJ	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
NY	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
NY	Paquin Co., The	13405 St. Clair Ave, Cleveland 10, Ohio	UL1-4100
NC	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Ohio	Paquin Co., The	13405 St. Clair Ave, Cleveland 10, Ohio	UL1-4100
Ohio	Paquin Co., The	Box 71, Burnet Woods Sta, Cinn 20, Ohio	PL1-5900
Ore	Lou R O'Conner Co	99 Tobin Ave, Renton, Wash	AL5-1534
Pa	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Pa	Paquin Co., The	13405 St. Clair Ave, Cleveland 10, Ohio	UL1-4100
RI	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
SC	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Vt	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Va	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Wash	Lou R O'Conner Co	99 Tobin Ave, Renton, Wash	AL5-1534
W. Va	Barker Co., The	288 Old Country Rd, Mineola, NY	PI6-0481
Canada	Garrett Mfg Corp of Canada Ltd, The	4 Racine Rd, Rexdale, Ontario, Canada	CH4-5655
Canada	Garrett Mfg Corp	1255 Laird Blvd, Montreal, Canada	RE 8-7605

ECLIPSE PIONEER DIV BENDIX AVIATION CORP ... Teterboro, NJ ... AT8-2000

ECONOMY FUSE & MFG CO ... 2717 Greenview Ave, Chicago 14, Ill

EDAL INDUSTRIES INC ... 64 Franklin St, New Haven 11, Conn ... UN5-8825

Ariz	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
Cal	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
Conn	Glenn M Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn	TA4-7721
Del	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
DC	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
Ill	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Ind	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Ky	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Me	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Md	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917
Nev	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
NH	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
NJ	S Glassman Associates	250 Mt. Vernon Pl, Newark, NJ	ES1-2257
NY	S Glassman Associates	28 Prestwick Terr, Glen Cove, NY	CI6-1039
NC	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
Ohio	Robert K Deunk & Associates	10005 Chippewa Rd, Brecksville, Ohio	JA6-4317
Ore	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
Pa	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
RI	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Vt	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Va	W Henry Cordray Sales Co	18 W. Chelten Ave, Philadelphia, Pa	VI8-0447
Wash	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
W. Va	Robert K Deunk & Associates	10005 Chippewa Rd, Brecksville, Ohio	JA6-4317
Wisc	R T Mathews & Co	1127 Wells St, Fort Wayne, Ind	EA3917

ED-BERL PRODUCTS INC ... 96 S. Grand Ave, Baldwin, NY ... BA3-1636

EDCLIFF INSTRUMENTS ... 1711 S. Mountain Ave, Monrovia, Cal ... ELB-4571

Ala	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ariz	Lou L Stoakes	4434 Ingraham St, San Diego 9, Cal	HU8-0090
Ark	Carey-Wolf Co	6000 Camp Bowie Blvd, Ft. Worth, Tex	PE8-1702
Cal	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Cal	Lou L Stoakes	4434 Ingraham St, San Diego, Cal	HU8-0090
Colo	Longstreet Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
Conn	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
DC	Robert P Ladd	1625 Eye St, N.W., Washington, DC	ME8-1253
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Ind	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Iowa	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
La	Carey-Wolf Co	6000 Camp Bowie Blvd, Fort Worth, Tex	PE8-1702
Me	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Md	Robert P Ladd	1625 Eye St, N.W., Washington, DC	ME8-1253
Mass	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Mich	R H Hanover	10534 Ludlow Ave, Huntington Woods	LI2-5059
Minn	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Miss	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Mont	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
NH	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
NJ	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HL7-5145
NM	Longstreet-Smith Associates Inc	2708 Carol N.E., Albuquerque, NM	AX9-4921
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HL7-5145
NY	S F Foster Co	204 Southfield Dr, Fayetteville, NY	NE7-6137
NC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ohio	Dayton Associates	118 W. 1st St, Dayton 2, Ohio	BA3-9621
Okla	Carey-Wolf Co	6000 Camp Bowie Blvd, Fort Worth, Tex	PE8-1702
Ore	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Pa	Robert P Ladd	1625 Eye St, N.W., Washington 6, DC	ME8-1253
Pa	Dayton Associates	118 W. 1st St, Dayton 2, Ohio	BA3-9621
RI	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
SC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Tenn	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Tex	Carey-Wolf Co	6000 Camp Bowie Blvd, Fort Worth, Tex	PE8-1702
Utah	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
Vt	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Va	Robert P Ladd	1625 Eye St, N.W., Washington, DC	ME8-1253
Wash	Egbert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Wisc	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Wyo	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091

EDER ENGINEERING CO., INC ... 1568 S. 1st St, Milwaukee 4, Wisc ... EV3-3900

EDGERTON GERMESHAUSEN & GRIER INC ... 160 Brookline Ave, Boston, Mass ... CO7-9700

Ala	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	WH6-3504
Ark	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4445
Cal	[illegible]	420 S. Pine St, San Gabriel, Cal	AT7-3633
Colo	Gene French Co	1480 Hoyt, Denver, Colo	MA3-1458
Conn	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Del	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	PI1-4445
Ga	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Idaho	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Iowa	Kimrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Kan	Kimrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
La	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4445
Me	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Mass	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Miss	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Mo	Kimrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Neb	Kimrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Nev	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
NJ	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	AM8-2478
NY	J D Ryerson Associates Inc	111 Kinne Rd, Syracuse 1, NY	GI6-1771
NY	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	GI4-1400
NC	S S Lee Associates Inc	Box 906, Winston-Salem, NC	ST8-0431
Ohio	Dayton Associates	Talbot Tower, Dayton 2, Ohio	BA3-9621
Okla	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4445
Ore	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Pa	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
Pa	Dayton Associates	Talbot Tower, Dayton 2, Ohio	
RI	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
SC	S S Lee Associates Inc	Box 906, Winston-Salem, NC	ST8-0431
Tenn	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Tex	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4445
Utah	Gene French Co	138 S. Second, E., Salt Lake City, Utah	EM4-3057
Vt	Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
W. Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wyo	Gene French Co	1480 Hoyt, Denver, Colo	MA3-1458
Foreign	Machine & Products Co	52 Wall St, New York 5, NY	WH4-4370
Foreign	Telesco International Corp	36 W. 40 St, New York 18, NY	PE6-2165

EDISON IND, THOMAS A, INSTRUMENT DIV., MCGRAW-EDISON CO ... 81 Lakeside Ave, West Orange, NJ ... OR3-6800

Cal	Thomas A Edison Industries	14652 Ventura Blvd, Sherman Oaks, Cal	ST4-8281
Cal	Wm J Purdy Co	312 Seventh St, San Francisco, Cal	UN3-3300
Conn	Glenn M Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn	TA4-7215
Fla	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ill	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	Don Alfred Co	45 Dellwood Ave, Chatham, NJ	WE5-8524
Ohio	Thomas A Edison Industries	117 E. National Rd, Vandalia, Ohio	TW8-5921
Okla	James E Dyer Co	315 E. Eleventh St, Tulsa, Okla	LU4-1076
Tex	Thomas A Edison Industries	2520 W. Mockingbird Ln, Dallas 35, Tex	FL7-1380
Wash	Testco	Room 108, Boeing Field, Seattle, Wash	PA3-9000

EDKO ELECTRONICS INC ... 397 Bedford Ave, Brooklyn 11, NY ... EV4-2746

EDMUND SCIENTIFIC CO ... 502 E. Gloucester Pk, Barrington, NJ

EDO CORP. ... College Point 56, NY ... HI5-6000

EDWARDS ENGINEERING CO ... 23 Yennicock Ave, Port Washington, NY ... PO7-6700

EDWARDS HIGH VACUUM (CANADA) LTD ... Box 515, Burlington, Ontario, Canada ... NE4-7757

NY	Edwards High Vacuum Inc	1920 Buffalo Ave, Niagara Falls, NY	
NY	Edwards Getters Inc	1920 Buffalo Ave, Niagara Falls, NY	

EFCON INCORPORATED ... Patterson Pl, Roosevelt Fld, Garden City, NY ... PI1-4200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
Cal	Malcolm Ross & Co	1623 S. La Cienega Blvd, L A 35, Cal	BR2-3103
Cal	Long & Associates	505 Middlefield Rd, Redwood City, Cal	EM9-3374
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	John E Boeing Co., Inc	265 Church St, New Haven 10, Conn	ST7-1135
Fla	Specialized Electronic Corp	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ill	Dave Hausten Co	607 E. Willow Ave, Wheaton, Ill	WO8-7312
Ind	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	VI6-0359
Md	Habco Electronic Sales Co	603 Allegheny Ave, Towson, Md	VA5-9837
Mass	J E Boeing Co., Inc	P.O. Box 235, Lexington, Mass	VO2-2500
Mich	R G Darley Co	201 E. Catherine St, Ann Arbor, Mich	NO8-6908
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
NY	S A Shaw Co	361 Central Park Ave, Yonkers, NY	YO3-5700
Ohio	Technical Associates Inc	5643 Mapleridge Ave, Cincinnati, Ohio	RE1-6200
Ohio	Technical Associates Inc	5643 Mapleridge Ave, Cincinnati, Ohio	RE1-6200
Pa	Robt L Wilkinson Inc	P.O. Box 215, Glenside, Pa	HA4-8400
Wash	Ray Johnston Co	1011 E. 69 St, Seattle 15, Wash	LA4-5170

EICOR DIV THE SCRANTON CORP 4059 W. North Ave, Chicago 39, Ill ... HU6-2060

Cal	Shephard Winters Co	7407-1/2 Melrose Ave, Los Angeles 46, Cal	WE8-2996
DC	Industrial Associates	826 Connecticut Ave, N.W., Wash, DC	ME8-4543
Ill	D Dollu Sales	3553 W. Peterson Ave, Chicago 45, Ill	JU8-2738
NY	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
Tex	Allied Components	2517 Converse St, Dallas, Tex	RI2-2830

EIDSON ELECTRONIC CO ... 1902 N. Third St, Temple, Tex ... PR3-3901
EISLER ENGINEERING CO., INC ... 751 S. 13 St, Newark 3, NJ

EITEL-McCULLOUGH INC ... 301 Industrial Way, San Carlos, Cal ... LY1-1451

Ala	J E Joyner & Assoc	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
Alaska	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8455
Ariz	Herb Becker Co	1140 Crenshaw Blvd, Los Angeles, Cal	WE1-1257
Ark	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Cal	Herb Becker Co	1140 Crenshaw Blvd, Los Angeles, Cal	WE1-1257
Colo	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Conn	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
Del	Fred F Bartlett & Co	18 W. Ave, Wayne, Pa	MU8-7326
DC	James R Eberly Co	1700 K St, N.W., Washington 6, DC	DI7-2667
Fla	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
Ga	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
Hawaii	Jim Hastin Sales Co	Box 2098, Honolulu, Hawaii	511-755
Idaho	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Idaho	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Ill	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Iowa	Maury E Bettis Co	406 W. 34 St, Kansas City 11, Mo	LO1-0772
Iowa	Clyde H Schryver Assoc	8720 Norwood Dr, Kansas City 15, Mo	WI9-8075
Kan	Clyde H Schryver Associates	8720 Norwood Dr, Kansas City 15, Mo	WI9-8075
Ky	Technical Associates Inc	4775 Lander Rd, Chagrin Falls, Ohio	TE1-9884
La	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Me	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
Md	James R Eberly Co	1700 K St, N.W., Washington 6, DC	DI7-2667
Mass	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
Mich	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Minn	H M Richardson & Co	9 E. 22 St, Minneapolis 4, Minn	FE6-4078
Miss	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Mo	Clyde H Schryver Assoc	8720 Norwood Dr, Kansas City 15, Mo	WI9-8075
Mont	McLoud & Raymond Co	5403 E. Evans St, Denver 22, Colo	SK6-1589
Neb	Maury E Bettis Co	406 W. 34 St, Kansas City 11, Mo	LO1-0772
Neb	Clyde H Schryver Associates	8720 Norwood Dr, Kansas City 15, Mo	WI9-8075
Nev	Herb Becker Co	1140 Crenshaw Blvd, L A 19, Cal	WE1-1257
Nev	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
NH	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
NJ	Adolph Schwartz	15 Exchange Pl, Jersey City 2, NJ	WO4-1757
NM	McLoud & Raymond Co	5403 E. Evans St, Denver 22, Colo	SK6-1589
NY	Adolph Schwartz	15 Exchange Pl, Jersey City 2, NJ	WO4-1757
NC	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
ND	H M Richardson & Co	9 E. 22 St, Minneapolis 4, Minn	FE6-4078
Ohio	Technical Assoc Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Okla	Tex O Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
Ore	Rush S Drake Assoc	1806 Bush Pl, Seattle 44, Wash	EA3-8455
Pa	Fred F Bartlett & Co	18 West Ave, Wayne, Pa	MU8-7326
RI	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
SC	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
SD	H M Richardson & Co	9 E. 22 St, Minneapolis 4, Minn	FE6-4078
Tenn	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga	PL5-4336
Tex	Tex O Koma Sales Co	P.O. Box 747, Grand Prairie, Tex	AN2-0866
Utah	McLoud & Raymond Co	5403 E. Evans St, Denver 22, Colo	SK6-1589
Vt	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
Va	James R Eberly Co	1700 K St, N.W., Wash 6, DC	DI7-2667
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
W.Va	Technical Associates Inc	4775 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Wisc	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Wyo	McLoud & Raymond Co	5403 E. Evans St, Denver 22, Colo	SK6-1589
Foreign	R D B Sheppard	2036 Prince Charles Rd, Ottawa, Ont	PA2-7152

ELASTIC STOP NUT CORP OF AMERICA ... 2330 Vauxhall Rd, Union, NJ ... MU6-6000

Cal	Collins-Powell Co	9247 Alden Dr, Beverly Hill, Cal	CR4-8071
Colo	F A Pease	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Fla	A K Whitaker	1315 21st St, W., Bradenton, Fla	BR6-2905
Ill	Elastic Stop Nut Corp of America	5449 W. Lawrence Ave, Chicago 30, Ill	SP7-8088
Mass	Elastic Stop Nut Corp of America	1842 Centre St, Boston 32, Mass	FA5-1301
Mich	Elastic Stop Nut Corp of America	2480 W. Maple Rd, Birmingham, Mich	MI6-6700
Mo	Elastic Stop Nut Corp of America	226 W. 75th St, Kansas City 14, Mo	DE3-6394-5
Ohio	Elastic Stop Nut Corp of America	3100 Wooster Rd, Cleveland 16, Ohio	ED1-4225
Pa	Elastic Stop Nut Corp of America	32 Rittenhouse Pl, Ardmore, Pa	MI2-8667
Tex	Elastic Stop Nut Corp of America	707 Northill Dr, Richardsen, Tex	AD5-3274
Wisc	Elastic Stop Nut Corp of America	2500 Alta Louise Pkwy, Brookfield, Wisc	BR1-5301
Canada	A J Campbell & Co Ltd	1440 St. Catherine St, W. Montreal 25	UN6-3095

ELCO CORP ... M St, below Erie Ave, Phila 24, Pa ... CU9-5500

Ala	Duckett-Threlkeld Sales Co	Box 733, Birmingham, Ala	TR1-6642

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Alaska	S Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
Ariz	Jack Berman Co	8156 N. 1st Ave, Phoenix, Ariz	
Ark	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Cal	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Cal	Jack Berman Co	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Henry Lavin Associates	Box 196, Meriden, Conn	BE7-5527
Del	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
DC	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	LO5-0960
Fla	Smith Duckett Sales Co	Box 1646, Stuart, Fla	AT7-1252
Ga	Giddings-Duckett	Box 11657, Atlanta, Ga	CE3-5308
Hawaii	E L Berman	450 9th St, San Francisco, Cal	UN3-0317
Idaho	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Idaho	Stroum	1612 Broadway, Seattle, Wash	EA3-6117
Ill	D Dolin Sales	3553 W. Peterson Ave, Chicago, Ill	JU8-3738
Ill	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Ind	Morris Cunningham & Associates	6208 College Ave Bldg, Indnpls 20, Ind	CL1-3222
Iowa	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	Morris Cunningham & Associates	6208 College Ave Bldg, Indpls 20, Ind	CL1-3222
La	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Me	H Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Md	Ansell Engineering	11212 Grandview Ave, Silver Spring, Md	LO5-0960
Md	Hilliard	1125 Old York Rd, Abington, Pa	TU4-6100
Mass	H Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Mass	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Mich	ABW Sales	10115 Puritan Ave, Detroit 38, Mich	UN2-1300
Minn	Jack Berman Co	1711 Hawthorne St, Minneapolis 3, Minn	FE2-5457
Miss	Duckett-Threlkeld	Box 733, Birmingham, Ala	TR1-6642
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Nev	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Nev	E L Berman	450 9th St, San Francisco, Cal	UN3-0317
NH	H Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
NJ	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
NJ	Fred Spellman Co	200 Plandome Rd, Manhasset, NY	MA7-3399
NM	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
NY	L D Allen Inc	115 Luther St, Syracuse, NY	GR1-3108
NY	Fred Spellman Co	200 Plandome Rd, Manhasset, NY	MA7-3399
ND	Jack Berman Co	1711 Hawthorne St, Minneapolis, Minn	FE2-5457
Ohio	Baehr-Greenleaf	14700 Detroit Ave, Cleveland, Ohio	LA1-8468
Okla	Ammon & Woods Association	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Ore	S Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
Pa	Hilliard	1125 Old York Rd, Abington, Pa	TU4-6100
Pa	Lowry-Dietrich Co	1404 Swantek St, Pittsburgh, Pa	WA1-2959
RI	H Lavin	Needham, Mass	
SD	Jack Berman	1711 Hawthorne St, Minneapolis, Minn	FE2-5457
Tenn	Giddings Duckett	Box 11657, Atlanta, Ga	CE3-5308
Tex	Ammon & Woods Association	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Vt	Lavin Meriden	Needham, Mass	
Va	Ansell Engineering Co	11212 Grandview Ave, Silver Spring, Md	
Wash	S Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
W. Va	Lowry-Dietrich	1404 Swantek St, Pittsburgh, Pa	WA1-2959
Wisc	Jack Berman Co	1711 Hawthorne St, Minneapolis, Minn	FE2-5457
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589

	ELCO TOOL & SCREW CORP	**1111 Samuelson Rd, Rockford, Ill**	**WO4-8611**
Cal	H B Ferguson	1337 Boston St, Altadena, Cal	MU1-4724
Cal	McCune Western Inc	51 Fremont St, San Francisco, Cal	YU6-1006
Del	David B Lilly Co., Inc	102 N. Cleveland Ave, Wilmington 5, Del	OL4-8844
Ill	R C Jacobson	5949 N.W. Ave, Chicago 39, Ill	BE7-1000
Ind	E E Lagerholm	4405 Berkshire Rd, Indianapolis 18, Ind	LI7-3233
Iowa	F W Lagerholm	340 - 43rd St, Des Moines 12, Iowa	CR7-9513
Mich	Rich-Wing Corp	2480 W. Maple Rd, Birmingham	MI6-9600
Mich	M C Snyder Co	Michigan Natl Tower, Lansing 4, Mich	IV7-5475
Minn	R E Anderson	3418 E. Lake St, Minneapolis 6, Minn	PA9-2614
Mo	S P Bresch	1345 Stein Rd, St. Louis 21, Mo	JA2-3071
NJ	H D Newman	368 Owen Ave, Fair Lawn, NJ	SW6-1600
NY	Robert L Chambers & Associates	209 Churchill Ln, Fayetteville, NY	NE7-3340
Ohio	C L Kerr & Associates Inc	21870 St. Clair Ave, Cleveland 17, Ohio	AN1-1840
Ohio	E G Sedgwick	2714 Drummond Rd, Toledo 6, Ohio	GR2-4384
Tenn	Talley & Sons	2218 Jefferson Ave, Memphis 4, Tenn	BR4-2179
Tenn	Keith Walstrom	5540 Mason Cove, Memphis, Tenn	MU2-1109
Tex	H W Potter	2701 Cullen St, Fort Worth, Tex	ED6-5377
Wisc	H M Harwood	Box 867, Elm Grove, Wisc	SU2-6011

	ELCOR INC	**1225 W. Broad St, Falls Church, Va**	**JE2-8850**
Ariz	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Ark	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
Cal	A-F Sales Engineering Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Cal	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Conn	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
Del	William Drew & Co	1104 Mondawmin Ave, Baltimore, Md	LA3-7700
DC	William Drew & Co	1104 Mondawmin Ave, Baltimore, Md	LA3-7700
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Richard C Warner	P.O. Box 338, South Whitley, Ind	350
Kan	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
La	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
Me	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
Md	William Drew & Co	1104 Mondawmin Ave, Baltimore, Md	LA3-7700
Mass	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Mo	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
Nev	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
NH	Schutter - Young Co	5 Ober St, Beverly, Mass	WA2-6121
NJ	J A Reagan Co., Inc	45 N. Lake Ave, Albany 3, NY	AL6-9649
NJ	J V Dynan Co	184 Cedar Ave, West End, NJ	RU1-2326
NM	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
NY	J V Dynan Co	184 Cedar Ave, West End, NJ	RU1-2326
NY	J A Reagan Co., Inc	45 N. Lake Ave, Albany 3, NY	AL6-9649
ND	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Ohio	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Okla	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
Pa	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Pa	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
RI	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
SD	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Tex	Southern Industrial Electronics Inc	429 Exchange Bank, Dallas, Tex	FL2-3901
Vt	Schutter-Young Co	5 Ober St, Beverly, Mass	WA2-6121
Va	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Wash	Associated Industries	1752 Ranier Ave, Seattle 44, Wash	WI4400
Wisc	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662

	ELDEMA CORP	**1805 Belcroft Ave, El Monte, Cal**	**CU3-3498**

	ELDORADO ELECTRONICS	**2821 10th St, Berkeley, Cal**	**TH1-4613**
Ariz	Carl Herrmann Associates	551 E. Walnut St, Pasadena, Cal	MU1-5111
Cal	Carl Herrmann Associates	551 E. Walnut St, Pasadena, Cal	MU1-5111
Cal	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Colo	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YU2-2881
Conn	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Del	A & M Associates	1145 19th St, N.W., Washington, DC	DI7-3592
DC	A & M Associates	1145 19th St, N.W., Wash, DC	DI7-3592
Idaho	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Ill	Ben F Rubin Co	607 N. Grove Ave, Oak Park, Ill	EV3-0171
Ind	Ben F. Rubin Co	607 N. Grove Ave, Oak Park, Ill	EV3-0171
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Me	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Md	A & M Associates	1145 19th St, N.W., Wash, DC	DI7-3592
Mass	Measurement Equipment Co., Inc	P.O. Box 1179, Wakefield, Mass	CR6-5770
Mich	Ben F Rubin Co	16130 Myers Rd, Detroit, Mich	UN4-4958
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	WO3-3600
Mont	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YU2-2881
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	WO3-3600
Nev	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
NH	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
NJ	Landlear Enterprises	165 Franklin Ave, Nutley, NJ	NO7-2900
NM	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YU2-2881
NY	Landlear Enterprises	165 Franklin Ave, Nutley, NJ	NO7-2900
Ohio	Ben F Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Ore	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Pa	A & M Associates	1145 19th St, N.W., Wash, DC	DI7-3592
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
RI	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Utah	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Vt	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Va	A & M Associates	1145 19th St, N.W., Wash, DC	DI7-3592
Wash	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Wisc	Ben F Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Wyo	Carl Herrman Associates	319-2A San Francisco St, Santa Fe, NM	YU2-2881

	ELECTRA MFG CO., ELECTRONICS DIV	**4051 Broadway, Kansas City, Mo**	**WE1-6864**
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ariz	Fryco Inc	Lighthall Bldg, Scottsdale, Ariz	WH5-3281
Ark	Texport Co., The	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Cal	Eastman Pacific Co	P.O.Box 561, San Mateo, Cal	FI1-3364
Cal	Eastman Pacific Co	P.O. Box 561, San Mateo, Cal	FI1-3364
Conn	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
DC	James W Whitfield	6006 Onondaga Rd, Wash 16, DC	EX3-5640
Fla	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Idaho	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Ill	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Ill	D Dolin Sales	3553 Peterson Ave, Chicago 45, Ill	JU8-3738
Ind	D Dolin Sales	3553 Peterson Ave, Chicago 45, Ill	JU8-3738
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Ky	D Dolin Sales	3553 Peterson Ave, Chicago 25, Ill	JU8-3738
La	Texport Co., The	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Me	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Md	James W Whitfield	6006 Onondaga Rd, Wash 16, DC	EX3-5640
Mass	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Mich	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Minn	R C Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
NH	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
NJ	J L Heller Associates	139-30 34th Rd, Flushing 34, NY	FL3-6900
NJ	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
NM	Fryco Inc	Box 469, Scottsdale, Ariz	WH5-3281
NY	J L Heller Associates	139-30 34th Rd, Flushing 34, NY	FL3-6900
NY	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Edward G Harries		366 Norwood Ave, Buffalo 22, NY	SJ0912
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
ND	R C Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Okla	Texport Co., The	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
RI	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
SD	R C Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Tex	Texport Co., The	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Vt	Samuel C Hooker Inc	2 Winchester Pl, Winchester, Mass	PA9-2745
Va	James W Whitfield	6006 Onondaga Rd, Wash 16, DC	EX3-5640
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Wisc	G A Dickinson & Associates Inc	4117 N. Green Bay Ave, Milwaukee 9, Wisc	CO4-1080
Canada	S C Hooker (Canada) Ltd	2425 Grand Blvd, Montreal 18, Que, Can	HU8-8321

	ELECTRALAB PRINTED ELECTRONICS CORP	**173 A St, Needham Hgts 94, Mass**	**HI4-3912**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wash	Roger M Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
W. Va	Lowry-Dietrich Co	1404 Swantek St, Pittsburgh 4, Pa	WA1-2959
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401

	ELECTRIC AUTOLITE CO., THE	**Champaign St, Toledo 1, Ohio**	**CH3-3131**

	ELECTRIC AUTOLITE CO WIRE & CABLE DIV	**Toledo 1, Ohio**	

	ELECTRIC DESIGN & MFG CORP	**Burlington, Iowa**	**PL2-7685**
Cal	Walter Corman	7432 W. 80th St, Los Angeles, Cal	OR0-2520
Ill	Edward Schneidel	5968 W. Chicago Ave, Chicago, Ill	ES8-2070
NY	Cooper-Di Blasi	90 Main St, Port Washington, NY	PO7-0470
Pa	W E Girard	715 Fairfield Rd, Glenside, Pa	TU7-4411

	ELECTRIC EYE EQUIPMENT CO	**938 E. Fairchild St, Danville, Ill**	

	ELECTRIC HOTPACK CO., INC	**5016 Cottman St, Philadelphia 35, Pa**	**DE3-1700**
Cal	W E Ferris	P.O. Box 144, San Gabriel, Cal	AT1-8389
Cal	Laboratory Equipment Co	532 McAllister, San Francisco 7, Cal	UN3-1185
Conn	McFarland & Conchar	179 Valley Rd, Cos Cob, Conn	TO9-0572
DC	Dave Woozley	2000 "P" St, N.W., Wash 6, DC	DE2-5172
Ga	Bernie Yates	262 Techwood Dr, N.W., Atlanta, Ga	JA5-3641
Ill	Al Mendelson	605 S. Dearborn St, Chicago, Ill	WA2-2949
Md	Dave Woozley	12706 Poolmdale Dr, Rockville, Md	WH6-7344
Mass	George W Wyman	156 Washington St, Newton 58, Mass	LA7-5823
Mich	Carness F Ramey	116 Wolcott Ave, Allegan, Mich	OR3-4251
Mo	Allar Edwards Inc	1519 Cherry St, Kansas City 8, Mo	
NJ	Leonard Wingard	906 Summit Ave, Jersey City, NJ	OL6-5149
NM	Lawrence Riley	318 Stanford Dr, S.E., Albuquerque, NM	CH2-9467
NY	MacFarland & Conchar	179 Valley Rd, Cos Cob, Conn	
Ohio	Everrett Ramey	2009 Carew Tower, Cincinnati 2, Ohio	PA1-1822
Ohio	Kurt Lesker	4535 Veman Ave, Pittsburgh 27, Pa	TU1-4666
Okla	Allan Edwards Inc	P.O. Box 7218, Tulsa, Okla	3-7184
Pa	Kurt Lesker	4535 Veman Ave, Pittsburgh 27, Pa	TU1-4666
Tenn	Fred L Dickson Jr	719 Cypress Dr, Memphis, Tenn	GL2-2612
Tex	Allan Edwards Inc	P.O. Box 9585, Dallas, Tex	TA4-2640
Tex	Loren Hammack	4504 Creekbend Dr, Houston 35, Tex	PA3-2413
Wash	Neil Burkoff	2700 Beacon St, Seattle 44, Wash	EA5-6262
Canada	Wilson, James H Ltd	894 Bloomfield Ave, Montreal, Quebec	CR4-3533
Canada	Wilson, James H Ltd	88 Adelaide St, W., Toronto 18, Ont, Can	EM6-8786

	ELECTRIC INDICATOR CO., INC	**Camp Ave, Stamford, Conn**	**DA2-1671**
Ala	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	G S Marshall Co	3915 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall	2055 Huntington Dr, San Marino, Cal	RY1-6781
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525 Fifth Ave, San Diego, Cal	CY8-6234
Conn	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Del	Angus-Sloane Associates	Moorestown, NJ	BE5-1900
DC	Angus-Sloane Associates	109 S. Royal St, Alexandria, Va	TE6-0302
Fla	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ga	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ill	Loren F Green & Associates	5218 N. Diversey Ave, Chicago, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 N. Diversey Ave, Chicago, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 N. Diversey Ave, Chicago, Ill	PA5-6824
Me	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Md	Angus-Sloane Associates	109 S. Royal St, Alexandria, Va	TE6-0302
Mass	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Mich	John J Orr	1520 28th St, S.W., Grand Rapids, Mich	LE4-4029
Minn	Lloyd F Murphy Associates	1700 Hennepin Ave, Minneapolis, Minn	FE9-4851
NH	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
NJ	Angus-Sloane Associates	Moorestown, NJ	BE5-1900
NM	G S Marshall Co	3915 E. Broadway, Tucson, Ariz	MA2-4719
NY	Ned Allen Inc	P.O. Box 575, Binghamton, NY	MI8-4261
NY	R P Kennedy Co	182 Mayflower Dr, Rochester, NY	BR1-6322
Pa	Angus-Sloane Associates	Moorestown, NJ	BE5-1900
RI	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Vt	Glenn W Hathaway Electronics	238 Main St, Cambridge, Mass	KI7-0380
Wisc	Loren F Green & Associates	5218 N. Diversey Ave, Chicago, Ill	PA5-6824

	ELECTRIC MACHINERY MFG CO	**800 Central Ave, Minneapolis 13, Minn**	**FE9-6751**
Ala	Electric Machinery Mfg Co	700 Eighth Terr, W., Birmingham 4, Ala	FA2-6511
Ariz	Electric Machinery Mfg Co	P.O. Drawer 869, Phoenix 15, Ariz	AL4-8471
Cal	Electric Machinery Mfg Co	P.O. Box 58213, Los Angeles 58, Cal	LU3-1781
Cal	Electric Machinery Mfg Co	420 Market St, San Francisco 11, Cal	EX2-8296
Colo	Electric Machinery Mfg Co	1644 Blake St, Denver 2, Colo	AC2-3515
DC	Electric Machinery Mfg Co	1627 K St, N.W., Wash 6, DC	NA8-9238
Fla	Electric Machinery Mfg Co	P.O. Box 445, Tampa 1, Fla	64-6131
Ga	Electric Machinery Mfg Co	522 N. McDonough St, Decatur, Ga	DR3-9611
Ill	Electric Machinery Mfg Co	20 N. Wacker Dr, Chicago 6, Ill	ST2-7153
Ind	Electric Machinery Mfg Co	Roosevelt Bldg, Indianapolis 4, Ind	ME5-1112
La	Electric Machinery Mfg Co	1719 Toledano St, New Orleans 15, La	TW5-8691
Md	Electric Machinery Co	333 E. 29th St, Baltimore 18, Md	HO7-3280
Mass	Electric Machinery Mfg Co	131 Clarendon St, Boston 16, Mass	CO7-5333
Mich	Electric Machinery Mfg Co	3117 W. McNichols Rd, Detroit 21, Mich	DI1-8686
Mich	Electric Machinery Mfg Co	Murry Bldg, Grand Rapids 2, Mich	GL9-8156
Minn	Electric Machinery Mfg Co	6 S. 36th Ave, E., Duluth 4, Minn	RA4-2406
Mo	Electric Machinery Mfg Co	P.O. Box 316, Mission, Kan	RA2-3800
Mo	Electric Machinery Mfg Co	4378 Lindell Blvd, St. Louis 8, Mo	OL2-2222
Mont	Electric Machinery Mfg Co	829 Maryland Ave, Butte, Mont	2-5447
NM	Electric Machinery Mfg Co	P.O. Box 701, Albuquerque, NM	DI4-7661
NY	Electric Machinery Mfg Co	3493 Harlem Rd, Buffalo 25, NY	WI9200
NY	Electric Machinery Mfg Co	110 E. 42nd St, New York 17, NY	OX7-0955
NC	Electric Machinery Mfg Co	116-1/2 E. Fourth St, Charlotte 2, NC	ED4-4244
Ohio	Electric Machinery Mfg Co	2904 Woodburn Ave, Cincinnati 6, Ohio	PL1-1434
Ohio	Electric Machinery Mfg Co	215 Euclid Ave, Cleveland 14, Ohio	CH1-6369
Okla	Electric Machinery Mfg Co	P.O. Box 727, Tulsa 1, Okla	LU5-5624
Ore	Electric Machinery Mfg Co	1233 N.W. 12th Ave, Portland 9, Ore	CA3-7349
Pa	Electric Machinery Mfg Co	2200 31st St, S.W., Allentown, Pa	SW7-3785
Pa	Electric Machinery Mfg Co	1617 Pennsylvania Blvd, Phila 3, Pa	LO3-7091
Pa	Electric Machinery Mfg Co	355 5th Ave, Pittsburgh 22, Pa	AT1-1186
Pa	Electric Machinery Mfg Co	P.O. Box 654, York, Pa	2-0217

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tenn	Electric Machinery Mfg Co	P.O. Box 395, Knoxville, Tenn	3-0111
Tex	Electric Machinery Mfg Co	1050 Railroad, Beaumont, Tex	TE3-2679
Tex	Electric Machinery Mfg Co	643 N. Port Ave, Corpus Christi, Tex	TU2-9451
Tex	Electric Machinery Mfg Co	1314 Wood St, Dallas 2, Tex	RE8-6691
Tex	Electric Machinery Mfg Co	511 Hawkins Rd, El Paso, Tex	PR2-3233
Tex	Electric Machinery Mfg Co	P.O. Box 1724, Houston 1, Tex	CA5-6661
Utah	Electric Machinery Mfg Co	550 W. 7th South St, Salt Lake City 1, Utah	EL5-5378
Va	Electric Machinery Mfg Co	P.O. Box 131, Richmond 1, Va	MI8-3090
Wash	Electric Machinery Mfg Co	2603 Western Ave, Seattle 1, Wash	MU2-4950
Wash	Electric Machinery Mfg Co	E. 706 Sprague Ave, Spokane 3, Wash	TE8-8276
W. Va	Electric Machinery Mfg Co	P.O. Box 647, Bluefield, W. Va	DA7-7938
Wisc	Electric Machinery Mfg Co	5906 Port Washington Rd, Milw 17, Wisc	ED2-5140
Canada	Electric Machinery Mfg Co	10301-104th St, Edmonton, Alberta, Can	GA2-6954
Canada	Electric Machinery Mfg Co	926 E. Hastings St, Vancouver 4, B C	MU3-5658
Canada	Electric Machinery Mfg Co	401 Avenue Bldg, Winnipeg 2, Manitoba	WH2-1337
Canada	Electric Machinery Mfg Co	156 Front St, W., Toronto, Ontario	EM4-0111
	ELECTRIC MOTORS & SPECIALTIES INC	**King & Hamilton Sts, Garrett, Ind**	**FL7-4141**
	ELECTRIC REGULATOR CORP	**Pearl St, Norwalk, Conn**	**VI7-2401**
Ariz	Richard T Puelicher, E E	3151 E. Colorado St, Pasadena, Cal	MU1-6526
Ark	Engineering Associates Inc	2912 Stanley, Fort Worth, Tex	WA3-7366
Cal	Richard T Puelicher, E E	3151 E. Colorado St, Pasadena, Cal	MU1-6526
Conn	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
DC	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Fla	Norman Hardy Associates	444 Second Ave, Melbourne, Fla	MS3160
Ill	Electric Regulator Corp	600 S. Michigan Ave, Chicago, Ill	WA2-1723
Ill	Engineering Services Co	6635 Delmar, St. Louis 30, Mo	VO3-3660
Ind	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
Iowa	Engineering Services Co	6635 Delmar, St. Louis 30, Mo	VO3-3650
Kan	Engineering Services Co	6635 Delmar, St. Louis 30, Mo	VO3-3660
Ky	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
La	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Me	Glenn Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
Md	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Mass	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
Minn	Northport Engineering Inc	1728 Selby Ave, St. Paul, Minn	MI6-2621
Mo	Engineering Services Co	6635 Delmar, St. Louis 30, Mo	VO3-3660
Nev	Richard T Puelicher E E	3151 E. Colorado St, Pasadena, Cal	MU1-6526
NH	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
NJ	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
ND	Northport Engineering Inc	1728 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
Okla	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Pa	Sheridan Associates Inc	Roselawn Ctr Bldg, Cincinnati, Ohio	ME1-2460
RI	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
SD	Northport Engineering Inc	1728 Selby Ave, St. Paul 4, Minn	MI6-2621
Tex	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Vt	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Wisc	Northport Engineering Inc	1728 Selby Ave, St. Paul 4, Minn	MI6-2621
Wisc	Electric Regulator Corp	600 S. Michigan Ave, Chicago, Ill	WA2-1723
Canada	R H Nichols Ltd	P.O. Box 500, Downsview, Ontario, Canada	ME3-8190
	ELECTRIC SOLDERING IRON CO	**W. Elm St, Deep River, Conn**	**LA6-5975**
	ELECTRIC SPECIALTY CO	**211 South St, Stamford, Conn**	**FI8-6203**
Cal	Luscombe Engineering Co	1020 S. Arroyo Pkwy, Pasadena, Cal	SY9-0445
	ELECTRIC SWITCH CORP	**2320 S. Tibbs Ave, Indianapolis 41, Ind**	**CH1-2871**
Ark	Wm E Brice Co	303 Bastrop St, Houston 3, Tex	CA2-7321
Cal	Belchamber & French	1485 Bayshore Blvd, San Francisco 24, Cal	JU6-0406
Cal	A W Nash Co	2112 S. Atlantic Blvd, Los Angeles 22	AN9-7304
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Roland S Lee Co., Inc	50 Needham St, Boston 61, Mass	DE2-4737
Conn	E W Rowland Associates	90 West St, New York 6, NY	WH4-8395
Del	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
DC	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Fla	W Chester Smith	207 E. Broward Blvd, Ft. Lauderdale, Fla	JA4-7172
Idaho	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland 13, Ore	BE6-2444
Ill	Key-Men Sales	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Ky	Paul Teller Associates	1022 Neeb Rd, Cincinnati 38, Ohio	WI1-1956
La	Wm E Brice Co	303 Bastrop St, Houston 3, Tex	CA2-7321
Me	Roland S Lee Co., Inc	50 Needham St, Boston 61, Mass	DE2-4737
Md	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Mass	Roland S Lee Co., Inc	50 Needham St, Boston 61, Mass	DE2-4737
Mich	Ramey Associates	116 Wolcott Ave, Allegan, Mich	AL1007
NH	Roland S Lee Inc	50 Needham St, Boston 61, Mass	DE2-4737
NJ	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
NJ	E W Rowland Associates	90 West St, New York 6, NY	WH4-8395
NM	C F L Co	1871 S. Broadway, Denver, Colo	SP7-4381
NY	H C Johnson Agency Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	E W Rowland Associates	90 West St, New York 6, NY	WH4-8395
Ohio	Edward E Bock & Associates	3870 W. 212th St, Cleveland 26, Ohio	ED1-5212
Ohio	Paul Teller Associates	1022 Neeb Rd, Cincinnati 38, Ohio	WI1-1956
Okla	Wm E Brice Co	303 Bastrop St, Houston 3, Tex	CA2-7321
Ore	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland 13, Ore	BE6-2444
Pa	Edward E Bock & Associates	3870 W. 212th St, Cleveland 26, Ohio	ED1-5212
Pa	H C Johnson Agency Inc	111 Mt. Hope Ave, Rochester, NY	HA6-1090
Pa	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
RI	Roland S Lee Co., Inc	50 Needham St, Boston 61, Mass	DE2-4737
Tex	Wm E Brice Co	303 Bastrop St, Houston 3, Tex	CA2-7321
Utah	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Vt	Roland S Lee	50 Needham St, Boston 61, Mass	DE2-4737
Va	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Wash	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland 13, Ore	BE6-2444
W. Va	Paul Teller Associates	1022 Neeb Rd, Cincinnati 38, Ohio	WI1-1956
Wisc	Key-Men Sales	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Wyo	C F L Co	1871 Broadway, Denver 10, Colo	SP7-4381

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ELECTRIC TACHOMETER CORP	**60th & Upland Sts, Philadelphia, Pa**	**SA6-7723**
	ELECTRICAL IND DIV PHILIPS ELECTRONICS & PHARMACEUTICAL IND CORP	**691 Central Ave, Murray Hill, NJ**	**CR7-4300**
	ELECTRIC INSULATION CO., INC	**1345 Marconi Blvd, Copiague, NY**	**AM4-6190**
	ELECTRICAL & PHYSICAL INST CORP	**42-19 27 St, Long Island City 1, NY**	**ST4-6389**
	ELECTRICAL REFRACTORIES CO	**50 Clark St, East Palestine, Ohio**	**GA6-9433**
Cal	E A Wilcox Co	173 Utah Ave, S., San Francisco,	PL6-7380
Cal	E A Wilcox Co	6446 E. Corvette St, Los Angeles 22,	RA3-6436
Ill	Clarence C Schlacks	5816 W. Lake St, Chicago 44,	CO1-8744
Mich	Bull & Kunnear Company	12901 Puritan, Detroit 27, Mich	JN1-7067
Mo	R V Hughes	211 N. 7th St, St. Louis 1,	CH6850
Wash	E A Wilcox Co	915 Arctic Bldg, Seattle 4	MU2-1468
	ELECTRICAL SERVICE CO	**1271 Mission St, San Francisco, Cal**	
Nev	Western Electrical Dist Co	550 Evans Ave, Reno,	FA9-1131
	ELECTRICAL TESTING LABORATORIES INC	**2 East End Ave., New York 21, N Y**	
	ELECTRICAL TOWER SERVICE INC	**325 S. Washington St, Peoria, Ill**	
	ELECTRICAL WINDINGS INC	**2015 N. Kolmar, Chicago 39, Ill**	**BE5-3360**
Colo	Electronic Components Sales	2149 S. Clermont St, Denver,	PE3-7172
NY	R E Streuer Co., Inc	10 Columbus Circle, New York 19,	CO5-0440
Ohio	H H Seay Co	3850 Farlington Dr, Columbus 21,	HU8-9994
Pa	John J Nolan & Assoc	314 W. Sparks St, Phila 20,	WA4-1595
	ELECTRICORD MFG CO	**2554 E. 18th St, Brooklyn, NY**	**NI8-8123**
	ELECTRO-AIR CLEANER CO., INC	**Olivia & Sproul Sts, McKees Rocks, Pa**	**SP1-4900**
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	EM2-0956
Ark	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	FA2800
Cal	Frank Lebell	1485 Bayshore Blvd, San Francisco 24	JU7-8700
Colo	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Colo	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Conn	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA3-9800
Conn	George McCarthy	685 Chestnut Ave, Teaneck, NJ	TE6-0996
DC	Habco Electronic Sales Co	603 Allegheny Ave, Towson 4, Md	VA5-9637
Del	Habco Electronic Sales Co	603 Allegheny Ave, Towson 4, Md	VA5-9637
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	EM2-0956
Ill	Armstrong Associates	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Ill	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Ind	Armstrong Associates	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Iowa	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Kan	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Ky	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland 7, Ohio	
La	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	FA2800
Mass	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA3-9800
Md	Habco Electronic Sales Co	603 Allegheny Ave, Towson 4, Md	VA5-9637
Me	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA3-9800
Mich	Armstrong Associates	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Minn	Armstrong Associates	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Mo	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
Mont	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	EM2-0956
Neb	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Nev	Frank Lebell	1485 Bayshore Blvd, San Franc 24, Cal	JU7-8700
NH	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA3-9800
NJ	George McCarthy	685 Chestnut Ave, Teaneck, NJ	TE6-0996
NM	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	FA2800
NY	George McCarthy	685 Chestnut Ave, Teaneck, NJ	TE6-0996
NY	William A Franklin Co	2 Standish Terr, Syracuse 3, NY	GI6-1120
Ohio	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland 7, Ohio	
Okla	C D Daniels Co	Box 8511, Tulsa, Okla	WU4-1142
Ore	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	EM2-0956
Pa	Habco Electronic Sales Co	603 Allegheny Ave, Towson 4, Md	VA5-9637
Pa	William A Franklin Co	2 Standish Terr, Syracuse 3, NY	GI6-1120
Pa	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland 7, Ohio	
RI	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA39800
Tex	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	FA2800
Utah	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Utah	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Va	Habco Electronic Sales Co	603 Allegheny Ave, Towson 4, Md	VA5-9637
Vt	Insulating Fabricators of New England	69 Grove St, Watertown, Mass	WA3-9800
Wash	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	EM2-0956
W. Va	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland 7, Ohio	
Wisc	Armstrong Associates	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Wyo	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Wyo	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Canada	J B Smyth Co	380 Craig St, Montreal 1, Quebec, Canada	HA0729
Foreign	Cannon Plugs Ltd	Hood & Matthews, Melbourne, Australia	FX-4351
	ELECTRALAB PRINTED ELECTRONICS CORP	**1103 2nd St, Encinitas, Cal**	
Cal	Willard I Nico	Burbank, Cal	TH2-3212
Cal	John A Rush	943 Clara Ct, Palo Alto, Cal	DA6-5018
	ELECTRAN MFG CO	**1909 N. Clybourn, Chicago, Ill**	**BI8-4596**
Cal	Robison Co	4026 W. 183rd St, Torrance, Cal	FR9-5531
Conn	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
Ill	Ed Hajduk	5150 N. Mulligan, Chicago, Ill	RO3-8445
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ind	R C Warner & Associates	Box 338, S. Whitley, Ind	350
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Mass	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
Mich	R C Warner & Associates	Box 338, S. Whitley, Ind	350
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis	PA5-5219
Ohio	R C Warner & Associates	Box 338, S. Whitley, Ind	350
Tex	Bruce Sales & Service	2425 W. Holcombe St, Houston 25	MO5-3978
Wyo	E Hajduk	5150 N. Mulligan, Chicago, Ill	RO3-8445

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ELECTREND PRODUCTS CORP	**State & Water Sts, St. Joseph, Mich**	**YU3-3578**
Ala	L R Massey Co	304 E. Jefferson, Greenwood, Miss	GL3-3038
Ariz	Henry Feldman Co	Box 66367, Los Angeles 66, Cal	RI9-8803
Ark	L R Massey Co	304 E. Jefferson, Greenwood, Miss	GL3-3038
Cal	Henry Feldman Co	Box 66367, Los Angeles 66, Cal	RI9-8803
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	FI5-5084
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
Del	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
DC	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
Idaho	Roger M Minthorne Co	0673 S.W. Taylors Ferry, Portland 19, Ore	CH6-4556
La	L R Massey Co	304 E. Jefferson, Greenwood, Miss	GL3-3038
Me	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
Md	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
Mass	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
Mich	Charles W Hale Co	13215 Fenkell, Detroit, Mich	BR2-0696
Miss	L R Massey Co	304 E. Jefferson, Greenwood, Miss	GL3-3038
Mont	Roger M Minthorne Co	0673 S.W. Taylors Ferry, Portland 19, Ore	CH6-4556
Neb	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Nev	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	FI5-5084
Nev	Henry Feldman Co	Box 66367, Los Angeles 66, Cal	RI9-8803
NH	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
NJ	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
NJ	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	SP9-7330
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	W J Callahan	156 S. Edwards Ave, Syracuse 6, NY	HO3-2151
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	SP9-7330
Ore	Roger M Minthorne Co	0673 S.W. Taylors Ferry, Portland 19	CH6-4556
Pa	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
Pa	Lowry-Dietrich Co	1404 Swantek St, Pittsburgh 4, Pa	WA1-2959
RI	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
Tenn	L R Massey Co	304 E. Jefferson, Greenwood, Miss	GL3-3038
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Alexander Hubert	Box 143, Brookline 36, Mass	AS7-2467
Va	Edward Braddock	Browning Ln, Haddonfield, NJ	HA9-0087
Ala	Bratton Sales Engineers	P.O. Box 5025, Mobile 5, Ala	GA6-5216
Ariz	E B Bomar Sales Co., Inc	P.O. Box 1602, Phoenix, Ariz	AL4-2726
Cal	Harry Schink Co	1512 E. 19th St, Bakersfield, Cal	FA4-8883
Cal	Burke & Co	2902 Hyde Park Blvd, Los Angeles, Cal	PL3-1606
Cal	J L Myers Co	204 Davis St, San Francisco 11, Cal	GA1-5706
Colo	Harry F Ream Sales Agency	1216 Santa Fe Dr, Denver 4, Colo	CH4-0558
DC	R L Haddinott Co., Inc	2430 Pennsylvania Ave, N.W., Wash 7	FE3-5670
Fla	McMurry & Co of Miami	33 N.E. 6th St, Miami 32, Fla	FR1-7664
Ga	Thermal Engineering Co	P.O. Box 12215, Atlanta 5, Ga	CE7-8664
Hawaii	Harry Z Colvin Co	871 Kapiolani Blvd, Honolulu 13, Hawaii	583-391
Idaho	L A Cox	604 Burrell Ave, Lewiston, Idaho	SH3-6226
Ill	Edward Filkins Inc	216 S. Jefferson St, Chicago 6, Ill	DE2-0207
Ind	O'Connor Associates	911 N. Pennsylvania St, Indianapolis, Ind	ME4-5747
Iowa	Elwood C Giberson Co	4110 Greenwood Dr, Des Moines 12, Iowa	CR9-1736
Kan	Tudor Engineering Co	6116 Johnson Dr, Mission, Kan	HE2-5255
Ky	Thermal Control Co	704 W. Market St, Jeffersonville, Ind	BU3-8717
Kan	David B Fried Jr	6027 Chatham Dr, New Orleans 22, La	EV1052
Md	R W Pentecost & Co	100 E. 20th St, Baltimore 18, Md	HO7-7590
Mass	Leonard F Luchner Sales Engineer	479 Statler Bldg, Boston 16, Mass	HA6-5468
Mich	Petti-Cawthon Inc	18040 James Couzens Hwy, Detroit 35	UN1-3344
Minn	Edward A Berg	3825 Edgewood Ave, S., Minneapolis 26	WE9-2441
Mo	D S Anderson Co	6 Springbrook Pl, St. Louis 19, Mo	WO1-8485
Neb	E P Dempsey Co	2431 Camden Ave, Omaha 11, Neb	PL9380
NJ	Parmelee & Hull	9 Ampere Pkwy, East Orange, NJ	OR6-1153
NM	W M Carroll & Co	111 Marble, N.W., Albuquerque, NM	CH3-3529
NY	J Bert Slater Inc	1330 Rand Bldg, Buffalo 3, NY	CL6477
NY	A F Hinrichsen Inc	50 Church St, New York 7, NY	BE3-0020
NC	Chet Adams Co	823 Professional Bldg, Charlotte, NC	ED3-4572
Ohio	F W Jenike Co	1758 Elmore St, Cincinnati 23, Ohio	MU1-2222
Ohio	Mussun Equipment Co	1547 E. 18th St, Cleveland 14, Ohio	MA1-5088
Okla	Engineered Mechanical Equipment Co	811 N. Virginia, Oklahoma City, Okla	CE2-8769
Ore	L A Cox & Associates	4214 N.E. 27th Ave, Portland 11, Ore	AT1-5459
Pa	The Aires Co	101 N. 33rd St, Philadelphia 4, Pa	EV2-4501
Tenn	James G Coleman	2399 Parkway Pl, Memphis, Tenn	FA7-9022
Tex	Joiner-Meade-Capers Inc	3920 Cedar Springs Rd, Dallas, Tex	LA6-8624
Utah	The Henry S Parks	1431 E. 21st St, S., Salt Lake City, Utah	IN6-6549
Va	Chet Adams Co	715 W. Grace St, Richmond, Va	MI3-7331
Wash	N R Cole	Central Bldg, Seattle 4, Wash	MA3-6651
W. Va	Angus Gillis & Son	P.O. Box 6051, Sta A, Charleston, W. Va	2-7970
Wisc	C E Melcher Co	4770 N. 19th Pl, Milwaukee 11, Wisc	CO4-7100
Foreign	Sales Representatives in all Principal Countries		
	ELECTRO CAPACITORS CO	**10132 Edes Ave, Oakland 3, Cal**	**LO8-7910**
Ala	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ariz	Electrical Mfrs Reps Inc	Box 3425, Terminal Annex, Los Angeles, Cal	
Ark	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Cal	Electrical Mfrs Reps Inc	Box 3425, Terminal Annex, Los Angeles	
Colo	Mark Mueller	1644 Beake St, Denver, Colo	
DC	R E Hatfield Co	165 E. King St, Lancaster, Pa	
Fla	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ill	G Mc L Cole Co	6514 W. Higgins Rd, Chicago, Ill	SP4-3535
Ind	Robt O Whitesell & Assoc	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	
Miss	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Neb	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
NC	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ohio	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland, Ohio	
Okla	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Pa	R E Hatfield Co	165 E. King St, Lancaster, Pa	
SC	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Tenn	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Wisc	Charles S Polacheck	1500 E. Fairy Chasm Rd, Milwaukee	FL2-8650
	ELECTRO-CERAMICS INC	**120 State St, New Haven, Conn**	**FU7-3371**
Cal	Robert Moye	116 S. Stoneman Ave, Alhambra, S. Cal	
Colo	Fred A Pease Co	4921 E. 38th St, Denver, Colo	
Conn	Nelson Wells	Chatham Dr, S. Norwack, Conn	
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Ill	Robert J Ferrari	2113 S. West Ave, Chicago, Ill	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	R T Mathews	1127 Well St, Ft. Wayne, Ind	
Md	Bernie White	1104 Mondawin, Baltimore, Md	LA3-7700
Mass	Eastern Electronic Sales Co	145 University Rd, Brookline, Mass	
Mich	Ray A Scharer	117411 E. Warren Ave, Detroit, Mich	
NY	Koppie Associates	9 West Prospect, Mt. Vernon, NY	
Ohio	Walter J Brauer & Associates	15631 Lakewood Hts Blvd, Cleveland, Ohio	
Pa	William Drew & Co	104 Essex, Narberth, Pa	MO4-8331
Tex	S W Lomax	6414 Del Norte Ln, Dallas, Tex	
Canada	Electronics Ent	1514 Eglinton Ave, W., Toronto 10, Canada	
	ELECTRO-CHEMICAL ENGRAVING CO., INC	**1100 Brook Ave, New York 56, NY**	**LU8-9000**
Mich	Electro-Chemical Engraving Co., Inc	20211 Greenfield Rd, Detroit 35, Mich	BR3-7500
	ELECTRODATA DIV BURROUGHS	**460 Sierra Madre Ville, Pasadena, Cal**	**MU1-3251**
Cal	J P Leebrick	230 N. Lake Ave, Pasadena, Cal	SY6-7155
Cal	W A Armstrong	1065 14th St, San Diego 12, Cal	BE4-3261
Cal	J H Stahle	2020 Milvia St, Berkeley, Cal	TH5-8167
Colo	G Welton	300 E. 9th Ave, Denver, Colo	KE4-8271
DC	G A Stout	1739 H St, N.W., Washington DC	DI7-2759
Ga	C Jones	961 W. Peachtree St, N.E., Atlanta, Ga	TR5-5319
Hawaii	C V Hoge	1687 Kapiolani Blvd, Honolulu 14	994171
Ill	D A Holdiman	324 S. Michigan Ave, Chicago 4, Ill	WA2-7600
Ind	J Gilpin	970 N. Meridian St, Indianapolis 4, Ind	ME4-3985
Iowa	Albert Kosla	2712 1st Ave, N.E., Cedar Rapids,	EM4-7171
La	John Murphy	1601 S. Charles Ave, New Orleans, La	MA5761
Md	G E Dashiell	7801 Old Georgetown Rd, Bethesda 14	OL4-8300
Mass	G Lovelace	240 Newbury St, Boston 16, Mass	CO7-9800
Mich	E M Offinger	Fisher Bldg, Detroit 2, Mich	TR5-2026
Minn	J R Wilson	1441 University Ave, St. Paul 4, Minn	MI6-6391
Mo	E T Crawford	1514 Baltimore Ave, Kansas City 8, Mo	VI2-1590
NY	J Resca	10 E. 40th St, New York 16, NY	MU9-0220
NY	R H Butler	19 Colvin Ave, Albany 6, NY	AL8-3558
NY	W Mestler	339 East Ave, Rochester, NY	HA6-2790
Ohio	Alan Reade	3826 Euclid Ave, Cleveland 15, Ohio	EX1-6390
Ohio	D Bolton	333 W. First St, Dayton, Ohio	BA3-8871
Ore	G E Etsell	1909 S.W. Sixth Ave, Portland, Ore	CA8-0407
Pa	W H Stewart	1616 Walnut St, Philadelphia 3, Pa	KI6-4951
Pa	A K Lifton	422 Blvd of the Allies, Pittsburgh 19	CO1-6712
Tex	D L Benscoter	1914 N. Harwood, Dallas 1, Tex	RI1-5391
Wash	H M Harris	2625 Third Ave, Seattle 1, Wash	MA3-1780
Foreign	Burroughs Corp/Intl Div	6071 Second Ave, Detroit 32, Mich	
	ELECTRO DEVELOPMENT CO	**14701 Keswick St, Van Nuys, Cal**	**ST6-3660**
Ariz	M D Hecht Assoc	5019 Cheery Lynn Rd, Phoenix,	WH5-7771
Ind	Scott & Steffen Inc	915 N. Pa Ave, Indianapolis,	
NJ	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY	WE8-1080
NY	Southwest Electronic Industries	Meadows Bldg, Dallas, Tex	EM3-1671
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY	WE8-1080
Ohio	Scott & Steffen	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Pa	Scott & Steffen	507 Liberty St, Pittsburgh 22	GR1-5233
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas,	EM3-1671
	ELECTRO DEVICES INC	**580 Main St, Wilmington, Mass**	**PA9-2851**
Cal	West Coast Enterprises	San Mateo, Cal	DI2-5353
Pa	Tri-State Erie Machinery Inc	1804 Asbury Rd, Erie, Pa	3-8631
	ELECTRO-DEVICES INC SERVOSPEED DIV	**4-6 Godwin Ave, Paterson, NJ**	**AR4-8989**
Cal	Minarik Electric Co	224 E. 3rd St, Los Angeles, Cal	MA6-3255
Ill	The Schrade-Batterson Co	5253 W. Belmont Ave, Chicago 41, Ill	AV2-0200
Mich	Electro-Motion Associates	4012 E. Nine Mile Rd, Warren, Mich	JE6-1000
NJ	Frederick E Kent	31-B Iozia Terr, E. Paterson NJ	SW7-4911
Pa	Williamson Associates	139 Nevin St, Lancaster, Pa	EX7-0321
	ELECTRO ENGINEERING WORKS	**401 Prado St, San Leandro, Cal**	**LO9-3326**
Cal	Penwarden Dailey Assoc	7311 Van Nuys Blvd, Van Nuys,	ST2-4920
Mo	Thomson Engineering Service	8230 Forsyth, St. Louis 5,	PA7-7705
Tex	Thomson Engineering Service	2520 Oak Lawn, Dallas 19,	LA6-5741
	ELECTRO-ETCH CIRCUITS INC	**7112 S. Victoria Ave, L A 43, Cal**	**PL2-6111**
	ELECTRO-FLEX HEAT INC	**83 Woodbine St, Hartford 6, Conn**	**CH6-5413**
Ala	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ariz	Costello & Co	2740 S. LaCienega, Los Angeles 34, Cal	TE0-8537
Cal	Costello & Co	2740 S. La Cienega Blvd, Los Angeles 34, Cal	TE0-8537
Colo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	AM6-1552
Conn	Electrical Manufacturers Service	265 Church St, New Haven, Conn	UN5-9104
Del	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
DC	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Fla	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ga	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Idaho	Technical Sales Co	1731 First Ave, S., Seattle, Wash	SE5532
Ill	Ritter Sales Co	P.O. Box 64, Deerfield, Ill	MU5-7440
Ind	Clare Electronics	P.O. Box 3031, Cleveland 17, Ohio	IV1-5364
Kan	Ritter Sales Co	P.O. Box 64, Deerfield, Ill	MU5-7440
Ky	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
La	Gay Sales Co	P.O. Box 2905, Instrouma Sta. Baton Rouge, La	
Me	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Mass	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
Mich	Clare Electronics	P.O. Box 3031, Cleveland 17, Ohio	IV1-5364
Mo	Ritter Sales Co	P.O. Box 64, Deerfield, Ill	MU5-7440
NH	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
NJ	Electrical Manufacturers Service	201 S. Broadway, Camden 3, NJ	WO4-8014
NY	Electrical Manufacturers Service	P.O. Box 128, Williston Park, NY	PI2-1616
NC	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ohio	Clare Electronics	P.O. Box 3031, Cleveland 17, Ohio	IV1-5364
Ore	Technical Sales Co	1731 First Ave, S., Seattle, Wash	SE5532
Pa	Charles M McDonald	704 Cherrydale Dr, Lafayette Hill, Pa	
RI	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
SC	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Tenn	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Tex	Gay Sales Co	P.O. Box 13232, Houston, Tex	JA9-3479
Utah	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	AM6-1552
Vt	Electrical Manufacturers Service	680 Main St, Waltham, Mass	TW3-0100
Va	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Wash	Technical Sales Co	1731 First Ave, S., Seattle, Wash	SE5532
W. Va	W K Hile	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Wisc	Ritter Sales Co	P.O. Box 64, Deerfield, Ill	MU5-7440
Wyo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	AM6-1552
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Canada	UN6-7367
	ELECTRO IMPULSE LAB INC	**208 River St, Red Bank, NJ**	**SH1-0404**
Cal	H R Kaewert	780 Natoma St, San Francisco 3,	HE1-0464
Cal	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles 15,	DU5-3955
Conn	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Me	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Mass	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
NH	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
NJ	N L R Associates	19 Lenox Terr, West Orange,	RE1-0774
NY	N L R Associates	19 Lenox Terr, West Orange, NJ	RE1-0774
NY	Jim Washington Associates	791 Blossom Rd, Rochester 10, NY	GR3-2465
Pa	N L R Associates	529 Shoemaker Rd, Phila 17, Pa	CA4-1663
RI	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Vt	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	ELECTRO INSTRUMENTS INC	**3540 Aero Ct, San Diego, Cal**	**BR7-6390**
Ala	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Ark	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Cal	Electro Instruments Inc	2024 Montrose, Montrose, Cal	CH5-6696
Cal	Electro Instruments Inc	275 Commercial St, Sunnyvale, Cal	RE9-6917
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4645
Conn	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Del	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
DC	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Idaho	Rush S Drake Associates	Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	Ridgway Associates	6100 West North, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates	1224 N. Capitol, Indianapolis 2, Ind	ME5-2401
Iowa	Ridgway Associates	6100 West North, Chicago 39, Ill	TU9-5715
Kan	Electro Instruments Inc	1214 Sunbeam Ln, St. Louis, Mo	
Ky	Ridgway Associates	1224 N. Capitol Ave, Indianapolis, Ind	ME5-2401
La	Dannemiller-Smith Inc	6318B Westheimer, Houston, Tex	
Me	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Md	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Mass	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Mich	Ridgway Associates	1204 N. Woodward, Royal Oak, Mich	LI6-3312
Minn	Northport Engineering	1729 Selby, St. Paul, Minn	MI6-2621
Miss	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Mo	Electro Instruments Inc	1214 Sunbeam Ln, St. Louis, Mo	
Neb	Electro Instruments Inc	1214 Sunbeam Ln, St. Louis, Mo	
Nev	Electro Instruments Inc	2024 Montrose, Montrose, Cal	CH5-6696
NH	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
NJ	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
NM	Barnhill Associates	8310 Cutler, N.E., Albuquerque, NM	AX9-7999
NY	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
NC	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Ohio	Ridgway Associates	5915 Schaaf Rd, Cleveland, Ohio	
Okla	Dannemiller-Smith Inc	6318B Westheimer, Houston, Tex	
Ore	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Pa	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Pa	Ridgway Associates	5915 Schaaf Rd, Cleveland 31, Ohio	LA4-1421
RI	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
SC	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Tex	Dannemiller-Smith Inc	6318B Westheimer, Houston, Tex	
Utah	Barnhill Associates	207 4th Ave, E., Centerville, Utah	EL5-5101
Vt	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Va	Electro Instruments Inc	607 Main St, Waltham, Mass	TW4-3748
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Wisc	Ridgway Associates	6100 West North, Chicago 39, Ill	TU9-5715
Foreign	B Freudenberg Inc	50 Rockefeller Plaza, New York 20, NY	
	ELECTRO-LOGIC CORP	**515 Boccaccio Ave, Venice, Cal**	**EX6-3137**
Ariz	R A Mays Co	Box 344, El Paso, Tex	LY8-2982
Cal	Owens Miller & Associates	5919 W. 3rd St, Los Angeles, Cal	
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
DC	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Idaho	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	
Ind	K W Hawkins Engineering Sales Corp	6517 N. Central Ave, Chicago 46, Ill	
Iowa	K W Hawkins Engineering Sales Corp	6517 N. Central Ave, Chicago 46, Ill	
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	
La	George W Sickler Co	Box 35491, Dallas 35, Tex	FL1-5515
Me	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Md	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Mass	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Minn	Murphy Associates	1700 Hennepin Ave, Minneapolis, Minn	
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	
NH	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	R A Mays Co	Box 3344, El Paso, Tex	
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Okla	George W Sickler Co	Box 35491, Dallas, Tex	FL1-5515
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Pa	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
RI	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Tex	George W Sickler Co	Box 35491, Dallas, Tex	FL1-5515
Vt	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Va	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Wisc	Murphy Associates	1700 Hennepin Ave, Minneapolis, Minn	
Canada	Computing Devices Of Can Ltd	Box 508, Ottawa, Ontario, Canada	
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
	ELECTRO-MEC LAB INC	**47-51 33rd St, Long Island City 1, NY**	**ST6-3402**
Ala	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ariz	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Ark	Zak Cowen & Associates Inc	7730 Carondele, St. Louis, Mo	
Cal	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Conn	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Del	L G White & Co., Inc	108 Forest Ave, Narberth, Pa	MO4-6505
Fla	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ga	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ill	Ridley Associates Inc	1551 N. Austin Blvd, Chicago, Ill	TU9-2940
Ind	Ridley Associates Inc	1551 N. Austin Blvd, Chicago, Ill	TU9-2940
Iowa	Ridley Associates Inc	1551 N. Austin Blvd, Chicago, Ill	TU9-2940
Kan	Zak Cowen Associates Inc	7730 Carondele, St. Louis 5, Mo	
La	Vanguard Associates Inc	1550 New Haven Ave, Melbourne, Fla	PA3-3074
Me	Bordewieck Engineering Sales	221 Grove St, Braintree, Mass	VI3-0845
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Minn	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	TU9-2940
Miss	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Mo	Zak-Cowen & Associates Inc	7730 Carondele, St. Louis, Mo	
Nev	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
NH	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
NJ	R P Luce & Co	7 Beechwood Rd, Summit, NJ	CO7-3550
NY	Midstate Research Sales Inc	327 Wellesley Rd, Syracuse, NY	GR6-0541
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Okla	Southwest Electronic Industries	4515 Prentices, Dallas, Tex	EM3-1671
Pa	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CO7-3550
SC	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488
Tenn	L G White & Co., Inc	2020 Beach St, Winston-Salem, NC	PA5-3612
Tex	Southwest Electronic Industries	4515 Prentice St, Dallas, Tex	EM3-1671
Va	L G White & Co	2020 Beach St, Winston Salem, NC	PA5-3612
Wash	L G White & Co	880 Bonifant St, Silver Springs, Md	JU5-3141
W. Va	L G White & Co	880 Bonifant St, Silver Springs, Md	JU5-3141
Wisc	Ridley Associates	1551 N. Austin Blvd, Chicago, Ill	TU9-2940
	ELECTRO-MECHANICAL INSTRUMENT CO	**813 Chestnut St, Perkasie, Pa**	**AL7-6561**
Ala	George O Jesse Associates	1108 Fern St, Birmingham 9, Ala	TR9-6015
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Ark	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Cal	Featherstone & Salisbury	1355 Market St, San Francisco 3, Cal	UN1-1466
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Colo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Conn	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
DC	J H Electronic Sales Co	Box 6844, Towson 4, Md	VA5-4441
Fla	Jack Gearber Co	3713 Needles Dr, Orlando, Fla	CY3-4152
Ga	George O Jesse Associates	1108 Fern St, Birmingham 9, Ala	TR9-6015
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ill	Withers & Rogek	5439 W. Division St, Chicago 51, Ill	AU7-7292
Ill	E J Planert Co	6375 Clayton Rd, St. Louis 17, Mo	VO3-8622
Ind	Bilray Organization, The	3615 Brownsboro Rd, Louisville 7, Ky	TW5-6369
Kan	E J Planert Co	6375 Clayton Rd, St. Louis 17, Mo	VO3-8622
Ky	Bilray Organization, The	3615 Brownsboro Rd, Louisville 7, Ky	TW5-6369
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Me	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Md	J H Electronic Sales	Box 6844, Towson 4, Md	VA5-4441
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Mich	Ralph M Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio	CH1-4581
Minn	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Miss	George O Jesse Associates	1108 Fern St, Birmingham 9, Ala	TR9-6015
Mo	E J Planert Co	6375 Clayton Rd, St. Louis 17, Mo	VO3-8622
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Nev	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
NH	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
NM	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
NY	L D Allen Inc	P.O. Box 32, Salina Sta, Syracuse 8, NY	GR1-3108
NY	David Sonkin Associates	Lucas Bldg, 10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NC	Tonkin & Schiffer	P.O. Box 6365, Summit Sta, Greensboro, NC	GR3-5578
ND	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Ohio	Ralph M Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio	CH1-4581
Okla	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Pa	Ralph M Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio	CH1-4581
RI	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
SC	Tonkin & Schiffer	P.O. Box 6365, Summit Sta, Greensboro, NC	GR3-5578
SD	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Tenn	George O Jesse Associates	1108 Fern St, Birmingham 9, Ala	TR9-6015
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Utah	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Vt	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Va	J H Electronic Sales Co	Box 6844, Towson 4, Md	VA5-4441
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
W. Va	Ralph M Nelson Inc	911 Marshall Bldg, Cleveland 13, Ohio	CH1-4581
Wisc	Withers & Rogek	5439 W. Division St, Chicago 51, Ill	AU7-7292
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
	ELECTRO-MECHANICAL RESEARCH INC	**Box 3041, Sarasota, Fla**	**816-1148**
Ala	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
Ariz	EMR	15551 Cabrito Rd, Van Nuys, Cal	ST2-7030
Ark	EMR	15551 Cabrito Rd, Van Nuys, Cal	ST2-7030
Cal	EMR	15551 Cabrito Rd, Van Nuys, Cal	ST2-7030
Cal	EMR	430 Cambridge St, Palo Alto, Cal	DA1-0541
Colo	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Conn	EMR	Box 186, Princeton Jct, NJ	SW9-1350
Del	EMR	1413 K St, N.W., Wash, DC	DI7-2770
DC	EMR	1413 K St, N.W., Wash, DC	DI7-2770
Fla	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
Ga	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
Idaho	EMR	15551 Cabrito Rd, Van Nuys, Cal	ST2-7030
Ill	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Ind	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Iowa	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Kan	EMR	4002 N. Mesa Dr, El Paso, Tex	KE3-5948
Ky	EMR	Box 5203, Detroit 36, Mich	PR2-2230
La	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
Me	EMR	Box 186, Princeton Jct, NJ	SW9-1350
Md	EMR	1413 K St, N.W., Wash 5, DC	DI7-2770
Mass	EMR	Box 186, Princeton Jct, NJ	SW9-1350
Mich	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Minn	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Miss	EMR	Box 1256, Eau Gallie, Fla	AL4-4172

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Mont	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Neb	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Nev	EMR	430 Cambridge St, Palo Alto, Cal	DA1-0541
NH	EMR	Box 186, Princeton Jct, NJ	SW9-1350
NJ	EMR	Box 186, Princeton Jct, NJ	SW9-1350
NM	EMR	4002 N. Mesa Ave, El Paso, Tex	KE3-5948
NY	EMR	Box 186, Princeton Jct, NJ	SW9-1350
NC	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
ND	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Ohio	EMR	Box 5203, Detroit 36, Mich	PR2-2230
Okla	EMR	4002 N. Mesa Ave, El Paso, Tex	KE3-5948
Ore	EMR	430 Cambridge St, Palo Alto, Cal	DA1-0541
Pa	EMR	Box 186, Princeton Jct, NJ	SW9-1350
RI	EMR	Box 186, Princeton Jct, NJ	SW9-1350
SC	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
SD	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Tenn	EMR	Box 1256, Eau Gallie, Fla	AL4-4172
Tex	EMR	4002 N. Mesa Ave, El Paso, Tex	KE3-5948
Utah	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
Vt	EMR	P. O. Box 186, Princeton Jct, NJ	SW9-1350
Va	EMR	1413 K St, N.W., Wash 5, DC	DI7-2770
Wash	EMR	430 Cambridge St, Palo Alto, Cal	DA1-0541
W. Va	EMR	1413 K St, N.W., Wash 5, DC	DI7-2770
Wisc	EMR	P. O. Box 5203, Detroit 36, Mich	PR2-2230
Wyo	EMR	3600 S. Lincoln, Englewood, Colo	SU9-1834
	ELECTRO-MECHANICAL SPEC CO., INC	**528 Lambert Rd, Whittier, Cal**	**RA3-7271**
Cal	DEWC Jles Inc	6919 San Fernando Rd, Glendale 1,	VI9-6101
Fla	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach,	SU3-3328
Ga	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta,	CE3-5858
Md	S W Goodman Co	32 W. Biddle St, Baltimore,	SA7-6116
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Mo	Kinnick Co	222 Olympia Dr, Ferguson 35,	WA1-1421
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck,	HU7-4145
Ohio	Mark Associates Inc	1702 Mack Ave, Dayton 4,	BA3-8850
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11,	WI1-2700
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 45,	FL1-9991
Wash	Paramount Technical Agencies	9210 29th St, N.W., Seattle 7,	SU4-6447
	ELECTRO-MEDICAL LAB INC	**South Woodstock 8, Vt**	**WO144444**
	ELECTRO MINATURES CORP	**632 Hoyt St, S. Hackensack, NJ**	**HU9-7770**
Cal	A G Brown & Associates	13837 Ventura Blvd, Sherman Oaks,	ST8-2390
Fla	J Neal & Co	3931 S.W. 8th Terr, Miami,	HI4-1118
NH	A T Clark	P.O. Box 143, Greenfield,	LI7-3359
Ohio	Kilroy-Whelan Corp	Box 222, Chagrin Falls, Cleveland, Ohio	CH7-4032
Wash	Hall Engineering Co	1430 130th N.E., Bellevue,	GL4-9511
	ELECTRO MOTIVE MFG CO	**S. Park & John St, Willimantic, Conn**	
	ELECTRO NETWORKS INC	**P.O. Box 424, Syracuse, NY**	**GR1-9193**
Ala	Perrott Associates	2701 Wright Ave, Orlando, Fla	
Fla	Perrott Associates	2701 Wright Ave, Orlando, Fla	
Ga	Perrott Associates	2701 Wright Ave, Orlando, Fla	
NY	Everett Sales Engineering Co	154 Plandome Rd, Manhasset, NY	
NY	Naylor Electric Co	1718 Erie Blvd, E., Syracuse, NY	
Ohio	R G Sidwell	1229 Westlake Ave, Cleveland 7, Ohio	
Pa	R G Sidwell	1229 Westlake Ave, Cleveland 7, Ohio	
	ELECTRO-PACK INC	**11505 Jefferson Blvd, Culver City, Cal**	**UP0-5744**
Cal	Mica Sales Inc	3160 El Camino Real	DA1-4992
Del	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
DC	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Me	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
Md	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Mass	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
NH	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
NJ	Kahgan Sales Corp	1261 Broadway, New York 1, NY	WU4-7772
NY	Kahgan Sales Corp	1261 Broadway, New York 1, NY	WU4-7772
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Pa	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Vt	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
	ELECTRO-PHYSICS LABORATORIES DIV OF MARSHALL INDUSTRIES	**1900 Walker Ave, Monrovia, Cal**	**MU1-8456**
Ariz	G S Marshall Co	3915 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-5781
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525 Fifth Ave, San Diego 3, Cal	
Kan	Wilbur E Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
NJ	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	CO5-5215
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo 23, NY	DE0442
NY	Ben T Levinson Co, The	270 Harvard Ave, Rockville Centre, NY	RO6-4421
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati, Ohio	
Ohio	Sheridan Associates	4217 N. Main St, Rm 210, Dayton 5, Ohio	CR7-7212
	ELECTRO POWERPACS INC	**5 Hadley St, Cambridge 40, Mass**	
	ELECTRO PRECISION CORP	**P.O. Box 669, Arkadelphia, Ark**	**CH6-4564**
Ala	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Ariz	W K Geist Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
Conn	Memo Inc	69 Greenwich St, Hempstead, NY	IV3-4060
Del	C E Snow	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	Specialized Equipment Co RP	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Ga	Specialized Equipment Co RP	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago, Ill	ES9-2700
Iowa	R Edward Stemm Inc	5681 W. Lake St, Chicago, Ill	ES9-2700
Ky	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Md	C E Snow	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Minn	R Edward Stemm	5681 W. Lake St, Chicago, Ill	ES9-2700
Miss	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Nev	W K Geist Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
NM	W K Geist Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
NY	Charles A Winick	926 Riverview Rd, Schenectady, NY	ST5-8133
NY	Memo Inc	69 Greenwich St, Hempstead, NY	IV3-4060
NC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Pa	Memo Inc	69 Greenwich St, Hempstead, NY	IV3-4060
SC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Tenn	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	SU3-3328
Va	C E Snow	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
W. Va	C E Snow	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Canada	Electrodesign	736 Notre Dame St, W., Montreal, P Q	UN6-7367
	ELECTRO PRODUCTS INC	**15050 Schaefer Hwy, Detroit 27, Mich**	**BR3-2433**
Ala	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ariz	Simonite-Lewis Associates	10636 Burbank Blvd, North Hollywood, Cal	TR7-1674
Cal	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal	HE1-7710
Cal	Simonite-Lewis Associates	10636 Burbank Blvd, North Hollywood, Cal	TR7-1674
Conn	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Del	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
DC	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ill	Vanco-Chicago	5209 N. Kimball, Chicago 25, Ill	JU8-0905
Me	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Md	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Mass	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Mich	L F Zaffina Co	7351 Gratiot Ave, Detroit 13, Mich	WA1-2885
Nev	Simonite-Lewis Associates	10636 Burbank Blvd, North Hollywood, Cal	TR7-1674
NH	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
NJ	A M Harris Inc	42-34 195th St, Flushing 58, NY	FL7-7350
NJ	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
NY	A M Harris Inc	42-34 195th St, Flushing 58, NY	FL7-7350
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ohio	R W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Pa	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Pa	R W Peters Co	350 E. 215th St, Cleveland 23, Ohio	
RI	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Vt	Johnson Associates	414 Main St, Wakefield, Mass	CR9-3098
Va	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
W. Va	R W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Wisc	Vanco-Chicago	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Foreign	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill	FR2-8785
Canada	Pitt Distributing Co Ltd	80 George St, Toronto, Canada	EM4-8258
	ELECTRO PRODUCTS LABS INC POWER SUPPLY DIV	**4501 N. Ravenswood, Chicago 40, Ill**	**LO1-1707**
Ala	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Alaska	Dave M Lee Co., Inc	2517 2nd St, Seattle 1, Wash	MA2-5512
Ariz	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL4-4654
Ark	Texport Co	2147 Farrington, Dallas 7, Tex	RI7-6886
Cal	E V Roberts & Associates	5068 W. Washington Blvd, Los Angeles 16	WE8-2541
Colo	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Abbett & Hustis Inc	P. O. Box 52, Ridgefield, Conn	ID8-3200
Del	Art Cerf & Co	123 Shasta Rd, Plymouth Meeting, Pa	TA8-5147
DC	Art Cerf & Co	7 Brookside Terr, N. Caldwell, NJ	
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	OR4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Ill	Harry Hallinton	6400 N. Leoti Ave, Chicago 30, Ill	RO3-2132
Ind	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
Iowa	Paul G Scholz Co	8402 Longview Rd, Kansas City, Mo	SO1-6757
Kan	Paul G Scholz Co	8402 Longview Rd, Kansas City, Mo	SO1-6757
Ky	Fishman Associates	1836 Nottingham, Indianapolis, Ind	LI6-5477
La	Texport Co	2147 Farrington, Dallas 7, Tex	RI7-6886
Me	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Md	Art Cerf & Co., Inc	7 Brookside Terr, N. Caldwell, NJ	
Mass	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Mich	Rod Butchart Co	16637 E. Waren, Detroit 24, Mich	TU2-6666
Minn	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Mo	Paul G Scholz Co	8402 Longview Rd, Kansas City, Mo	SO1-6757
Mont	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Paul G Scholz Co	8402 Longview Rd, Kansas City, Mo	SO1-6757
Nev	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
NH	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
NJ	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NM	Hyde Electronics Associates	2803 Connor St, Salt Lake City, Utah	IN7-5763
NY	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
ND	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	Les A Morrow Co	3123 W. 117th St, Cleveland 11, Ohio	CL1-5700
Okla	Texport Co	2147 Farrington, Dallas 7, Tex	RI7-6886
Ore	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh 6, Pa	HI1-0800
Pa	Art Cerf & Co., Inc	4302 Emour Terr, Easton, Pa	
RI	Abbett & Hustis Inc	P. O. Box 52, Ridgefield, Conn	ID8-3200
SC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
SD	A J Warner Co	5022-29 Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
Tex	Texport Co	12910 Tosca Dr, Houston 24, Tex	HO5-0734
Utah	Hyde Electronics Associates	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Va	Art Cerf & Co., Inc	7 Brookside Terr, N. Caldwell, NJ	
Wash	Dave M Lee Co., Inc	2517 2nd St, Seattle 1, Wash	MA2-5512
W. Va	James H Podolny Co	5912 Penn Ave, Pittsburgh 6, Pa	HI1-0800
Wisc	Harry Hallinton	6400 N. Leoti Ave, Chicago 30, Ill	RO3-2132
Wyo	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Carrington Stone	205 W. Wacker Dr, Chicago 6, Ill	RA6-7725
	ELECTRO PRODUCTS LABS INC TRANSDUCER DIV	**4501 N. Ravenswood, Chicago 40, Ill**	**LO1-1707**
Ariz	King Engineering Co	5321 1/2 Hollywood Blvd, L A, Cal	HO4-7166
Ark	Whitson Engineering Co	2680 Freewood St, Dallas 35, Tex	FI1-4654
Cal	King Engineering Co	5321 1/2 Hollywood Blvd, Los Angeles	HO4-7166
Cal	King Engineering Co	1878 Union St, San Francisco 23, Cal	WE1-2168
Colo	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3455
Conn	Abbett & Hustis Inc	P. O. Box 52, Ridgefield, Conn	ID8-3200
Del	C A Briggs	610 Washington, Baltimore, Md	VA3-4900
DC	C A Briggs	610 Washington, Baltimore, Md	VA3-4900
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Ft. Myers, Fla	WE6-2181
Idaho	Fred H Haight Co	3212 Eastlake, Seattle 2, Wash	EA2-1818
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ind	Crossley Associates Inc	5420 N. College, Indianapolis 20, Ind	CL1-9255
Iowa	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Kan	Leemark Associates	4021 W. 8th St, Kansas City 14, Mo	NI2-3313
La	Whitson Engineering Co	2680 Freewood St, Dallas 35, Tex	FL1-4654
Me	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Md	C A Briggs Associates	610 Washington, Baltimore, Md	VA3-4900
Mass	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Mich	Electro-Mation Associates	4012 E. 9 Mile Rd, Warren, Mich	JE9-1420
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Miss	Whitson Engineering Co	2680 Freewood St, Dallas 35, Tex	FL1-4654
Mo	Leemark Associates	4021 W. 8th St, Kansas City 14, Mo	NI2-3313
Mont	Fred H Haight Co	3212 Eastlake, Seattle 2, Wash	EA2-1818
Neb	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Nev	King Engineering Co	1878 Union St, San Francisco 23, Cal	WE1-2168
NH	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
NJ	C A Briggs Associates	220 S. Easton Rd, Glenside, Pa	TU7-4080
NJ	Sensory Inc	10 New St, Morristown, NJ	JE8-7561
NM	Hyde Electronics Associates	5206 Constitution Ave, NE, Albuquerque	AM8-1111
NY	Edward A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4940
ND	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ohio	Crossley Associates Inc	2801 Far Hills Ave, Dayton 19, Ohio	AX9-3594
Okla	Whitson Engineering Co	2680 Freewood St, Dallas 35, Tex	FL1-4654
Ore	Fred H Haight Co	3212 Eastlake, Seattle 2, Wash	EA2-1818
Pa	C A Briggs Associates	220 S. Easton Rd, Glenside, Pa	TU7-4080
Pa	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
RI	Abbett & Hustis Inc	P. O. Box 52, Ridgefield, Conn	ID8-3200
SD	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Tex	Whitson Engineering Co	2680 Freewood St, Dallas 35, Tex	FI1-4654
Utah	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3455
Vt	Abbett & Hustis Inc	1245 Highland Ave, Needham, Mass	HI4-5470
Wash	Fred H Haight Co	3212 Eastlake, Seattle 2, Wash	EA2-1818
Wisc	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Wyo	Hyde Electronics Associates	888 S. Lipan St, Denver 23, Colo	WE6-3455
Foreign	Slyvan Ginsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585
	ELECTRO-PULSE INC	**11861 Teale St, Culver City, Cal**	**EX8-6764**
Ala	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ariz	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Ark	Wallace-Gluck Co	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Colo	Parrish Electronics	1804 St. Paul, Denver 10, Colo	SK6-9455
Conn	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
DC	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Fla	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ga	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Idaho	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Ill	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Iowa	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Ky	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
La	Wallace-Gluck Co	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Me	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Md	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Mass	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Mich	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Mo	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Mont	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
NH	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NJ	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NY	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NC	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
ND	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Ohio	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Okla	Wallace-Gluck Co	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Ore	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Pa	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Pa	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
RI	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
SC	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
SD	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Tenn	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Tex	Wallace-Gluck Co	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Vt	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Va	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Wash	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
W. Va	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Wisc	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Foreign	Szucs International Corp	50 Broad St, New York 4, NY	WH4-7959
	ELECTRO SCIENTIFIC INDUSTRIES INC	**7524 S.W. Macadam, Portland 19, Ore**	**CH6-3331**
NJ	William Lyon	47 Martius Ln, Berkeley Heights,	CR7-3781
Ohio	A N Grimm	1731 Ruskin Rd, Dayton, Ohio	CR7-1496
Tex	H D Edmiston	Box 5832, Dallas, Tex	TA7-2853
	ELECTRO SEAL CORP	**946 North Ave, Des Plaines, Ill**	**RO3-0047**
	ELECTRO SONIC LABS INC	**35-54 36th St, L I City 6, NY**	**RA8-6370**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles 46,	OL3-1605
Cal	Koessler Sales Co	676 Fulton St, San Francisco 2,	JO7-0622
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs,	ME4-3401
Ga	W M Gray & Associates Inc	1737 Beacon Hill Blvd, N.E., Atlanta 5,	ME4-3277
Ill	Gene T Clears	435 Indianwood Blvd, Park Forest,	PI8-2359
Mass	Don T Hankins	159 Huntington Ave, Boston 15,	CO6-4041
Mo	Arthur K Elliott Co	211 Westport Rd, Kansas City, Mo	LO1-9594
NY	Benjay Associates	521 S. 5th Ave, Mt. Vernon,	OW9-4440
Ohio	Bill Block Associates	2280 Liberty Rd, Stow, Ohio	OV8-4277
Foreign	Telesco International Corp	36 W. 40 St, New York 18, NY	PE6-2165
Canada	J B Smyth	380 Craig St, W., Montreal 1, Canada	AV8-6281
	ELECTRO-SWITCH & CONTROLS INC	**5755 Camille Ave, Culver City, Cal**	**UP0-4643**
	ELECTRO SWITCH CORP	**167 King Ave, Weymouth 88, Mass**	**ED5-5200**
Ala	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Ariz	Michel Bros	1413 E. 20th St, Los Angeles 11, Cal	RI9-7587
Cal	Michel Bros	1413 E. 20th St, Los Angeles 11, Cal	RI9-7587
Cal	Jack Kaufman	126 25th Ave, San Mateo, Cal	FI1-4942
Colo	Automatic General Electronic Sales Inc	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
Conn	John E Drake	Old Kings Hwy, New Canaan, Conn	WO6-2580
Del	Naudain-Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
DC	Naudain-Bohaker & Co	P.O. Box 3024, Alexandria, Va	TE6-6114
Fla	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Idaho	Fred W Carlson Co	1201 Dexter Ave, Seattle 9, Wash	AT4-4630
Ill	Howard & Gould Co	5306 W. Lawrence Ave, Chicago 30, Ill	AV2-3676
Ind	Howard & Gould Co	5306 W. Lawrence Ave, Chicago 30, Ill	AV2-3676
Iowa	Voico Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Kan	Automatic General Electronic Sales Inc	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
Ky	R R Greenleaf Co	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Me	John E Drake	Old Kings Hwy, New Canaan, Conn	WO6-2580
Md	Naudain-Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
Mass	John E Drake Co	68 Hodges Ave, North Quincy, Mass	GR9-3700
Mich	Koehler-Pasmore Co	11833 Hamilton St, Detroit 3, Mich	TO8-3322
Minn	Voico Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Miss	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Mo	Automatic General Electronic Sales Inc	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
Mont	Fred W Carlson Co	1201 Dexter Ave, Seattle 9, Wash	AT4-4630
Neb	Automatic General Electronic Sales Inc	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
Nev	Jack Kaufman	126-25th Ave, San Mateo, Cal	FI1-4942
NH	John E Drake Co	68 Hodges Ave, North Quincy, Mass	GR9-3700
NJ	Robert D Hobbie	8 Mt. Vernon Rd, Upper Montclair, NJ	P 4-2326
NM	Automatic General Electronic Sales Inc	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
NY	Bruno-Lenders	8524-26 89th St, Woodhaven 21, NY	VI9-3660
NY	Robert D Hobbie	8 Mt. Vernon Rd, Upper Montclair, NJ	PI4-2326
ND	Voico Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Ohio	R R Greenleaf Co	8905 Lake Ave, Cleveland 2, Ohio	OI1-6900
Okla	Automatic General Electronic Sls	6550B Troost Ave, Kansas City 31, Mo	DE3-8206
Ore	Fred W Carlson Co	935 Northwest 12th Ave, Portland 9, Ore	CA8-3798
Pa	Edgar M Moore & Co	6964 Thomas Blvd, Pittsburgh 8, Pa	EM1-8780
Pa	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Phila	LO4-3194
RI	John E Drake	Old Kings Hwy, New Canaan, Conn	WO6-2580
SD	Voico Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Tenn	Buchanan & Abrams Associates	1226 E. Colonia Dr, Orlando, Fla	GA3-8995
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Vt	John E Drake Co	68 Hodges Ave, N. Quincy, Mass	GR9-3700
Va	Naudain-Bohaker & Co	P.O. Box 3024, Alexandria, Va	TE6-6114
Wash	Fred W Carlson Co	1201 Dexter Ave, Seattle 9, Wash	AT4-4630
W. Va	Edgar M Moore & Co	6964 Thomas Blvd, Pittsburgh 8, Pa	EM1-8780
Wisc	H J Hoeft	1743 S. First St, Milwaukee 4, Wisc	EV2-2773
Canada	George M Fraser Ltd	1554 Yonge St, Toronto 7	WA4-9492
Canada	George M Fraser Ltd, W Hobson & Associates	1024 Notre Dame St, Lachine, P.Q. Canada	ME7-1231
	ELECTRO TEC CORP	**10 Romanelli Ave, S. Hackensack, NJ**	**HU7-4940**
Ala	E C Raymund	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	Pacific Scientific Co, licensee	P. O. Box 22019, Los Angeles 22, Cal	SP3-2020
Ark	Lawrence Sales Co	P.O. Box 13026, Dallas 20, Tex	FL2-4595
Cal	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
Cal	Pacific Scientific Co, licensee	760 Harrison St, San Francisco 7, Cal	DO2-0934
Cal	Pacific Scientific Co, licensee	1950 Fifth Ave, San Diego, Cal	BE3-0156
Conn	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Fla	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ga	The Hinker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Idaho	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
Ill	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Ind	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Iowa	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	The Hinker Co	P.O. Box 5211, Winston-Salem NC	PA5-8588
La	Lawrence Sales Co	P.O. Box 13026, Dallas 20, Tex	FL2-4595
Me	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Mass	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Mich	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	The Hinker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
Neb	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Nev	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
NH	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
NM	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
NC	The Hinker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Okla	Lawrence Sales Co	P.O. Box 13026, Dallas 20, Tex	FL2-4595
Ore	Pacific Scientific Co, licensee	1218 S. E. 7th Ave, Portland, Ore	SE4-9747
RI	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
SC	The Hinker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	The Hinker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Tex	Lawrence Sales Co	P.O. Box 13026, Dallas 20, Tex	FL2-4595
Utah	Pacific Scientific Co, licensee	P. O. Box 22019, Los Angeles 22, Cal	SP3-2020
Vt	Robert W Gray Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Wash	Pacific Scientific Co, licensee	421 Michigan St, Seattle, Wash	PA5-7000
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Wyo	Pacific Scientific Co, licensee	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Foreign	I D M Electronics Ltd	Whitley Kiln, Berkshire, England
	ELECTRO-TECHNICAL PRODUCTS DIV SUN CHEMICAL CORP	**113 E. Centre St, Nutley 10, NJ**	**NU2-7070**
	ELECTRO-VOICE INC	**Buchanan, Mich**	**OX5-6831**
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham, Ala
Alaska	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ariz	I R Stern Co	4109 Burbank Rd, Burbank, Cal	VI9-1195
Ark	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Cal	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-1652
Cal	I R Stern Co	4109 Burbank Rd, Burbank, Cal	VI9-1195
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Fla	Maitland K Smith Co	322 Riverside Dr, Ormond Beach, Fla	OR7-2298
Ga	Maitland K Smith Co	208-14 St, N.W., Atlanta 3, Ga	TR5-8031
Hawaii	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-1652
Idaho	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ind	Harrison J Blind & Associates Inc	5762 Cadillac Dr, Indianapolis 24, Ind	CH1-9772
Iowa	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	Harrison J Blind & Associates Inc	5762 Cadillac Dr, Indianapolis, Ind	CH1-9772
La	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Mich	Wayne Beitel Co	13209 Fenkell, Detroit, Mich	VE8-9100
Minn	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Miss	Dick Bellew Sales	314 Melrose, El Dorado, Ark	UN3-8325
Mo	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Nev	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-1652
NJ	Gardner Sales Corp	80 Shore Rd, Pt. Washington, NY	PW7-7700
NM	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
NY	Gardner Sales Corp	80 Shore Rd, Pt. Washington, NY	PW7-7700
NC	Maitland K Smith	920 W. Hill St, Charlotte 8, NC
ND	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Ohio	C L Pugh Co	Box 5827, Columbus 21, Ohio	HU8-4855
Okla	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Ore	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Pa	C L Pugh Co	Box 5827, Columbus 21, Ohio	HU8-4855
SC	Maitland K Smith Co	208-14th St, N.W., Atlanta 3, Ga	TR5-8031
SD	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Tenn	Maitland K Smith Co	208-14th St, N.W., Atlanta 3, Ga	TR5-8031
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Utah	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Utah	Wm R Lanphear	3215 Western Ave, Seattle, Wash	AT4-8150
Wash	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
W. Va	C L Pugh Co	Box 5827, Columbus 21, Ohio	HU8-4855
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Foreign	Telesco International Corp	36 W. 40th St, New York 18, NY	PE6-2165
Canada	R C Kahnert Sales	73 Crockford Blvd, Scarborough, Ont, Can	PL7-5171
	ELECTRO WINDERS CO., INC	**854 W. Front St, Covina, Cal**	**ED2-6207**
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix	CR9-1231
	ELECTRODYNAMIC INSTRUMENT CORP	**1841 Old Spanish Tr, Houston 25, Tex**	**JA6-3761**
Okla	Ammon & Woods Assoc	5602 E. Mockingbird Ln, Dallas 6, Tex	TA6-4171
Tex	Ammon & Woods Assoc	5602 E. Mockingbird Ln, Dallas 6, Tex	TA6-4171
Foreign	Dean Gradijansky	Cassarate Lugano, Switzerland	LO2-0890
	ELECTRODYNE CO	**Endicott St, Norwood, Mass**	**NO7-3203**
	ELECTROL SPECIALTIES CO	**441 Clark St, S. Beloit, Ill**	**DU5-2291**
	ELECTROMATH CORP	**115 Pleasant Ave, Roosevelt, NY**	**MA3-3500**
	ELECTROMATIC EQUIPMENT CO	**175 Remsen Ave, Brooklyn 12, NY**	**PR1-8300**
	ELECTROMATION CO	**1646 18th St, Santa Monica, Cal**	**EX5-9976**
	ELECTRON	**P. O. Box 8, Syracuse 11, NY**	**OL6-3276**
NY	Electron	P.O. Box 8, Mattydale, NY
	ELECTRON ENTERPRISES	**6917-19-21 Stanley Ave, Berwyn, Ill**	**ST8-2693**
	ELECTRON PRODUCTS DIV OF MARSHALL INDUSTRIES	**430 N. Halstead St, Pasadena, Cal**	**MU1-0666**
Ariz	G S Marshall Co	2030 Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525-5th Ave, San Diego, Cal	CY8-8234
Fla	E C Raymund & Associates Inc	Box 8215, St. Petersburg, Fla	WA1-9735
Ill	Bruce Cumming & Associates Inc	6029 W. Belmont Ave, Chicago 34, Ill	ME1-3770
Md	Robert Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9086
Mass	Electronic Component Engineers	P.O. Box 72, N. Abington, Mass	TR8-3072
Minn	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	WI4-5844
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
NJ	Robert Finlay	Lincoln Bldg, Ridgewood, NJ	OL2-0088
Ohio	Weller-Rane Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Tex	George Weinreich Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	SE8650
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
	ELECTRON-RADAR PRODUCTS	**4806 W. Chicago Ave, Chicago 51, Ill**
	ELECTRONIC APPLICATIONS INC	**194 Richmond Hill Ave, Stamford, Conn**	**DA5-1575**
Ala	Ack Radio Supply	Nashville, Tenn
Ark	Audio Acoustic	Arlington, Tex	R4-8098
Cal	Ralph auf der Heide	Altadena, Ca	MU1-9568
Ga	Ack Radio Supply	Nashville, Tenn
Idaho	United Radio Supply	Portland, Ore	CA6-6335
Ind	Silver Trumpet	Alexandria, Ind	AL4-2640
La	Audio Acoustic	Arlington, Tex	R4-8098
Miss	Audio Acoustic	Arlington, Tex	R4-8098
Nev	Ralph auf der Heide	Altadena, Ca
NM	Audio Acoustic	Arlington, Tex	R4-8098
NY	Harry N. Reynes	East Meadow, NY	IV3-1928
Ore	United Radio Supply	Portland, Ore	CA6-6335
Tenn	Ack Radio Supply	Nashville, Tenn
Wash	United Radio Supply	Seattle, Wash	CA6-6335
	ELECTRONIC ASSEMBLY CO., INC	**5 Prescott St, Roxbury 19, Mass**	**HI2-1600**
Conn	Cirolia LeBlanc Sales Co	P.O. Box 6010 Hamden, Conn	AT8-2200
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Me	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
NH	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
NJ	Central Associates	44 N. Dean St, Englewood, NJ	LO6-0808
NJ	C E Snow Co	919E. Phil-Elena St, Philadelphia 50, Pa	LI8-8043
NY	Central Associates	44 N. Dean St, Englewood, NJ	PY6-0577
Pa	C E Snow Co	919 E. Phil-Elena St, Philadelphia 50, Pa	LI8-8043
RI	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
Vt	Cirolia LeBlanc Sales Co	885 Main St, Waltham 54, Mass	TW3-2742
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
	ELECTRONIC ASSISTANCE CORP	**20 Bridge Ave, Red Bank, NJ**	**SH7-5100**
Cal	M B Gilbert Co	7923 Emerson Ave, Los Angeles 45, Cal	OR6-3418
Ohio	Harry Egbert	328 Claranna Ave, Dayton, Ohio	AX3-9767
Pa	Kessler Assoc	31 Lankspur Rd, Levittown, Pa	WI5-0350
	ELECTRONIC ASSOCIATES INC	**Long Branch, NJ**	**CA9-1100**
Ala	S S Lee Associates Inc	300 Utilities Bldg, Huntsville	JE6-0631
Cal	Electronic Associates Inc	1500 E. Imperial Hwy, El Segundo	EA2-3124
Cal	J O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
Cal	J O'Halloran & Assoc	825 San Antonio Rd, Palo Alto, Cal	DA6-1493
Colo	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Conn	Michael S Coldwell	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
Ill	Electronic Associates Inc	101 S. Pine St, Mt. Prospect	CL5-6070
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton	LO5-3066
Md	S S Lee Associates Inc	Box 205, Baltimore, Md	VA3-3434
Mass	Michael S Coldwell	41 Lancaster Rd, Needham, Mass	HI4-1142
Mich	Electro Sales Associates	36500 Weidman Rd, Mt. Clemens	HO8-2461
Minn	R Edward Stemm	123 South St, Minneapolis 1, Minn	FE5-7172
NJ	G Engle Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NY	G Curtis Engle Associates Inc	Box 164, Hunting Sta, New York	RE2-0001
NC	S S Lee Associates Inc	Box 906, Winston Salem, NC	ST8-0431
Ohio	Electro Sales Associates	Box 143, Dabel Sta, Dayton, Ohio	CH4-5551
Ohio	Electro Sales Associates	281 E. 216th St, Cleveland	RE2-7444
Pa	G Curtis Engle Associates Inc	Box 4383, Philadelphia, Pa	WA2-3270
Tex	Electronic Associates Inc	4515 Prentice St, Dallas, Tex	EM1-6165
Wash	Hall Engineering Co	1430 130th St, Bellevue, Wash	GL4-9511
Foreign	Electronic Associates Ltd	Victoria Rd, Burgess Hill, Sussex England	BU2636
	ELECTRONIC BATTERIES INC	**28-34 35 St, Brooklyn 32, NY**	**ST8-3641**
	ELECTRONIC BRAZING CO	**140 Glenridge Ave, Montclair, NJ**	**PI4-2160**
Cal	Kennematt Co	14637 Bessemer St, Van Nuys, Cal
Cal	J R Routh Co	1209 Capuchino Ave, Burlingame, Cal
Conn	Dettmann & Greer Inc	S. Main St, Middletown, Conn
Fla	Ward Engineering Co	1015 W. Central Ave, Orlando, Fla
Fla	Ward Engineering Co	2727 Phyllis St, Jacksonville, Fla
Ga	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill
La	W J Keller	415 Natchez St, New Orleans 12, La
Md	Thos H Closs Co	21 W. Penna Ave, Towson 4, Md
Mass	Blair H Parker	610 Atlantic Ave, Boston 10, Mass
Mich	E B Anderson Co	12810 Puritan Ave, Detroit 27, Mich
Minn	Voico Co	831 S. 6th St, Minneapolis 4, Minn
Mo	C O Leaver Co	111 E. Gregory Blvd, Kansas City 14, Mo
Mo	C O Leaver Co	4030 Chouteau Ave, St. Louis 10, Mo
NY	H J Rittenhouse Co	543 Clinton Ave, S., Rochester 20, NY
NY	The Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY
NY	Carlen Representatives	132 Burnet Ave, Syracuse 3, NY
NY	Carse Electric Co	1044 Broadway, Albany, NY
NY	Herman H Stuht Co., Inc	27 Park Pl, New York 7, NY	RE2-8163
NC	Associates Agents Inc	Box 2513, Greensboro, NC
Ohio	Beedle Equipment Co	Roselawn Center Blvd, Cincinnati, Ohio
Ohio	Martin-Rettger Inc	11955 Shaker Blvd, Cleveland 20, Ohio
Okla	James E Dyer Co	Box 1226, Tulsa, Okla
Ore	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland 16, Ore
Pa	Russell F Clark Co	1404 Clark Blvd, Pittsburgh 22, Pa
Pa	Penn-Del Instrument Co	709 Bethlehem Pike, Philadelphia 18, Pa
Tex	William E Brice Co	303 Bastrop St, Houston 3, Tex
Wisc	Morris F Jacobs Co	308 W. North Ave, Milwaukee 12, Wisc
Foreign	Escudero & Franceschini	Box 3784, San Juan, Puerto Rico
	ELECTRONIC CABLE CORP	**126 Jackson St, Cambridge 40, Mass**
	ELECTRONIC CHEMICAL CORP	**813 Communipaw Ave, Jersey City 4, NJ**	**DE2-2877**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ariz	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Ark	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Cal	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Colo	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Conn	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, N. Miami, Fla	PL1-5566
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Hawaii	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Idaho	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Ill	Wm M Linz & Associates	6322 N. Cicero Ave, Chicago 46, Ill	MU5-2022
Ind	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
Iowa	A R Thibau Co	210 W. 8th St, Kansas City 5, Mo	VI2-7057
Kan	A R Thibau Co	210 W. 8th St, Kansas City 5, Mo	VI2-7057
Ky	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
La	M F Klicpera Co	P.O. Box 3113, Houston, Tex	JA2-8459
Me	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
Mich	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
Minn	E O Hagestad & Associates	4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Mo	A R Thibau Co	210 W. 8th St, Kansas City 5, Mo	VI2-7057
Mont	Heeger Inc	2528 W 9th St, Los Angeles 6, Cal	DU7-6995
Neb	A R Thibau Co	210 W. 8th St, Kansas City 5, Mo	VI2-7057
Nev	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
NH	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
NJ	Morris J Hacker	217-18-48th Ave, Bayside 64, NY	BA4-5361

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
NY	Morris J Hacker	217-18-48th Ave, Bayside 64, NY	BA4-5361
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
ND	E O Hagestad & Associates	4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Ohio	Jim Chilcote	636 Nasslewood Ave, Toledo 10, Ohio	CH1-3826
Okla	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Ore	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
SD	E O Hagestad & Associates	4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Tex	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Utah	Heeger Inc	2528 W. 9th St, Los Angeles, Cal	DU7-6995
Vt	R S MacArthur	P.O. Box 168, Arlington 74, Mass	MI3-5358
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Heeger Inc	2528 W. 9th St, Los Angeles, Cal	DU7-6995
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Wm M Linz & Associates	6322 N. Cicero Ave, Chicago 46, Ill	MU5-2022
Wyo	Heeger Inc	2528 W. 9th St, Los Angeles, Cal	DU7-6995
Canada	Wm Cohen Ltd	8900 Tanguay St, Montreal, Canada	DU8-9201
	ELECTRONIC CIRCUITS	**641 N. La Peer Dr, Los Angeles 46, Cal**	**BR2-4535**
	ELECTRONIC COILS INC.	**P. O. Box 1665, 33 Lyman St, Springfield, Mass.**	**RE6-6339**
Conn	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
Me	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
Md	Harry Corcoran	54 E. Morris Ave, Mt. Tabor, NJ	OA7-4146
Mass	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
NH	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
NJ	Harry Corcoran	54 E. Morris Ave, Mt. Tabor, NJ	OA7-4146
NY	Harry Corcoran	54 E. Morris Ave, Mt. Tabor, NJ	OA7-4146
Pa	Harry Corcoran	54 E. Morris Ave, Mt. Tabor, NJ	OA7-4146
RI	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
Vt	George Lindstrom	69 Carnayon Circle, Springfield, Mass	RE6-8969
	ELECTRONIC COMPONENTS DIV TELECOMPUTING CORP	**14706 Arminta St, Van Nuys, Cal**	**TR3-1340**
Ala	W A Brown Associates	201 Capron Rd, Indian River City, Fla	1086
Ariz	Westron	7407 Melrose Ave, Los Angeles 45, Cal	WE3-7276
Cal	Westron	7407 Melrose Ave, Los Angeles 45, Cal	WE3-7276
Conn	Robert B Hatch Co	19 Kearney Rd, Needham Hghts 94, Mass	HI4-7550
Del	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
DC	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown Associates	711 Magnolia, Orlando, Fla	
Ga	W A Brown Associates	711 Magnolia, Orlando, Fla	
Ill	R Edward Stemm Co	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm Co	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm Co	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Kan	Jo-Joyce Engineering Sales Corp	137 Walnut Hill Village, Dallas 20, Tex	FL7-7583
Me	Robert B Hatch Co	19 Kearney Rd, Needham Hgts 94, Mass	HI4-7550
Md	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Robert B Hatch Co	19 Kearney Rd, Needham Hgts 94, Mass	HI4-7550
Minn	R Edward Stemm Co	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Mo	R Edward Stemm Co	5681 W. Lake St, Chicago 44, Ill	ES9-2700
NJ	Cooper-Simon & Co., Inc	400 E. 79th St, New York 21, NY	LE5-2900
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
NY	Edward A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	HI5-0460
NY	Cooper-Simon & Co., Inc	400 E. 79th St, New York 21, NY	LE5-2900
Pa	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
SC	W A Brown Associates	711 Magnolia, Orlando, Fla	
Tenn	W A Brown Associates	201 Capron Rd, Indian River City, Fla	1086
Vt	Robert B Hatch Co	19 Kearney Rd, Needham Hgts 94, Mass	HI4-7500
Va	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
W. Va	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
	ELECTRONIC COMPUTER CO., INC	**618 Maple St, Conshohocken, Pa**	**TA8-3967**
	ELECTRONIC CONTROL CORP	**1573 E. Forest St, Detroit 7, Mich.**	**TE2-6625**
Foreign	Technical Factors Ltd	P.O. Box 1288, Tokyo, Ceni Japan	
	ELECTRONIC COUNTERS INC	**155 Eileen Way, Syosset, NY**	**WA1-5000**
	ELECTRONIC DEVELOPMENT CORP	**423 W. Broadway, Boston 27, Mass**	**AN8-3534**
Cal	Halbar Associates	1001 Glendale Blvd, Los Angeles 26, Cal	DL2-8087
Conn	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
Me	Brogan Associates	200 Boylston, Chestnut Hill, Mass	WO9-9560
Mass	Brogan Associates	200 Boylston, Chestnut Hill, Mass	WO9-9560
Nev	Halbar Associates	100 Glendale Blvd, Los Angeles 26, Cal	DL2-8087
NH	Brogan Associates	200 Boylston, Chestnut Hill, Mass	WO9-9560
NJ	Brogan Associates	603 Main St, Westbury, NY	
NY	Brogan Associates	603 Main St, Westbury, NY	ED3-4555
Pa	Brogan Associates	603 Main St, Westbury, NY	ED3-4555
RI	Brogan Associates	200 Boylston, Chestnut Hill, Mass	WO9-9560
Vt	Brogan Associates	200 Boylston, Chestnut Hill, Mass	WO9-9560
	ELECTRONIC DEVICES INC	**429 12th St, Brooklyn 15, NY**	**SO8-3530**
Cal	Wes Alcerson Co	3050 Overland Ave, Los Angeles, Cal	UP0-1030
Cal	Harriss-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Colo	Art J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Fla	Winfield Electronic Sales	666 N.E. 125th St, Miami, Fla	PL1-5566
Ill	Rozner Sales Co	4708 N. Central Ave, Chicago, Ill	AV3-0022
Md	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Mich	Central Electronics	19309 Fairport, Detroit, Mich	LA6-6841
Mo	Carmine Vignola	P.O. Box 569, Jefferson City, Mo	5-1023
NJ	Mel Schwartz Sales Co	39-16 Tierney Pl, Fairlawn, NJ	SW7-3435
NY	Eugene Schomburg	830 Linden Ave, Rochester 10, NY	LU6-0725
Pa	Richard J Cooper	3507 Wellington, Philadelphia, Pa	MA4-6486
Tex	Hank Lieberman & Associates Inc	6005 Northwood Rd, Dallas, Tex	EM3-3452
	ELECTRONIC ENCLOSURES INC.	**3629 Holdrege Ave, Los Angeles 16, Cal**	**VE7-5163**
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
	ELECTRONIC ENGINEERING CO.	**1601 E. Chestnut Ave, Santa Ana, Cal**	**KI7-6501**
Cal	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
DC	L M Baxter	1101 Vermont Ave, N.W., Wash 5, DC	DI7-1881
	ELECTRONIC ENTERPRISES INC	**65-7th Ave, Newark 4, NJ**	**HU3-0630**
Ala	Fred Wamble	3867 Sherwood Dr, Montgomery, Ala	
DC	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
Md	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
Mass	Richard L Gysan Co	12 Foster St, Wenham, Mass	
NJ	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
NY	Hecht Electronics	31 Snapdragon Ln, Roslyn, NY	
NY	Esco Sales	45 S. Broadway, Yonkers, New York, NY	
Pa	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
Va	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
	ELECTRONIC INDUSTRIES SUB GEN ELECTRONIC DEV	**State Rd, Patterson, NY**	
	ELECTRONIC INSTRUMENT CO INC	**3300 Northern Blvd, L I City, NY**	**ST6-8700**
Ala	Jack Odom	715 Flamingo Dr, S.W., Atlanta, Ga	
Alaska	Ron Merritt	1320 Prospect St, Seattle, Wash	
Ariz	Erlanger Sales Co	4217 W. Jefferson, Los Angeles 16, Cal	
Cal	Erlanger Sales Co	4217 W. Jefferson, Los Angeles 16, Cal	
Colo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
Del	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
DC	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
Fla	William C Jaudon	207 W. Alfred St, Tampa, Fla	
Fla	Jack Odom	715 Flamingo Dr, S.W., Atlanta, Ga	
Ga	Jack Odom	715 Flamingo Dr, S.W., Atlanta, Ga	
Ga	Hal C Norman	638 Rochelle Dr, Nashville, Tenn	
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Ron Merritt	1320 Prospect St, Seattle, Wash	
Ill	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	
Ind	Hoemig Sales Co	Butler Ct, Ft. Wayne, Ind	
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Md	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
Mass	Michael Scott Co	336 Washington, Wellesley Hills, Mass	
Mich	Grant Shaffer	14241 Fenkell Ave, Detroit, Mich	
Minn	Ray Ripley	7222 James Ave, S., Minneapolis, Minn	
Miss	Hal C Norman	638 Rochelle Dr, Nashville, Tenn	
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Mont	Ron Merritt	1320 Prospect St, Seattle, Wash	
Neb	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Nev	Erlanger Sales Co	4217 W. Jefferson, Los Angeles 16, Cal	
NJ	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
NJ	Robert A Stang	271 Columbus Ave, Tuckahoe, NY	
NJ	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	
NM	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
NY	Robert A Stang	271 Columbus Ave, Tuckahoe, NY	
NY	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	
NC	Francis Hager	5621 Murray Hill Rd, Charlotte, NC	
ND	Ray Ripley	7222 James Ave, S., Minneapolis, Minn	
Ore	Ron Merritt	1320 Prospect St, Seattle, Wash	
Pa	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
SC	Francis Hager	5621 Murray Hill Rd, Charlotte, NC	
SD	Ray Ripley	7222 James Ave, S., Minneapolis, Minn	
Tenn	Hal C Norman	638 Rochelle Dr, Nashville, Tenn	
Tex	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
Utah	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
Va	Charles W Lienau	9427 Georgia Ave, Silver Spring, Md	
Wash	Ron Merritt	1320 Prospect St, Seattle, Wash	
Wisc	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	
Wyo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	
Canada	John R Tilton	51 McCormack, Toronto 9, Ontario, Canada	
	ELECTRONIC MACHINE PARTS INC	**128-11 10th Ave, College Point 56, NY**	**IN1-8850**
	ELECTRONIC MEASUREMENTS CO., INC.	**Eatontown, NJ**	**LI2-0300**
Cal	John Francis O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Mich	Electro-Rep	22519 Telegraph Rd, Detroit 41, Mich	EL6-7211
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NY	Charles A Winick Co	926 Riverview Rd, Schenectady 9, NY	ST5-8133
NY	Martin Electronic Marketing Org	69 Greenwich St, Hempstead, NY	IV3-4060
Pa	Holdsworth & Co	426 S. Springfield Ave, Clifton Hts, Pa	MA6-8300
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Tex	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Va	Jay Co, The	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	G M Gillett Agency	19690 - 19th St, N.E., Seattle, Wash	PA5-3060
	ELECTRONIC MEASUREMENTS CORP	**625 Broadway, New York 12, NY**	**GR5-0610**
Ala	J E Joyner Jr	Box 10821, Atlanta, Ga	
Alaska	Norwestern Sales Co	Box 9014, Seattle, Wash	
Ariz	Don C Wallace	1206 Maple Ave, Los Angeles, Cal	
Ark	Ernest L Wilks	1212 Camp St, Dallas, Tex	
Cal	Don C Wallace	1206 Maple Ave, Los Angeles, Cal	
Colo	Don C Wallace	1206 Maple Ave, Los Angeles, Cal	
Conn	Robert S MacArthur	Box 87, Waverly 79, Mass	
Del	David S Linz	238 Shelmire St, Philadelphia, Pa	
DC	David S Linz	238 Shelmire St, Philadelphia, Pa	
Fla	J E Joyner Jr	Box 10821, Atlanta, Ga	
Ga	J E Joyner Jr	Box 10821, Atlanta, Ga	
Hawaii	Don C Wallace	1206 Maple Ave, Los Angeles, Cal	
Idaho	Norwestern Sales Co	Box 9014, Seattle, Wash	
Ill	A H Bruning Co	1758 W. Lawrence Ave, Chicago, Ill	
Iowa	L F Florence Co	406 W. 34 St, Kansas City, Mo	
Kan	L F Florence Co	406 W. 34 St, Kansas City, Mo	
La	J E Joyner Jr	Box 10821, Atlanta, Ga	
Me	Robert S MacArthur	Box 87, Waverly 79, Mass	
Md	David S Linz	238 Shelmire St, Philadelphia, Pa	
Mass	Robert S MacArthur	Box 87, Waverly 79, Mass	
Minn	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	
Miss	J E Joyner Jr	Box 1082, Atlanta, Ga	
Mo	L F Florence Co	406 W. 34 St, Kansas City, Mo	
Mont	Norwestern Sales Co	Box 9014, Seattle, Wash	
Neb	L F Florence Co	406 W. 34 St, Kansas City, Mo	
Nev	Don C Wallace	1206 Maple Ave, Los Angeles, Cal	
NH	Robert S MacArthur	Box 87, Waverly 79, Mass	
NJ	Jack Weber	63 E. 9 St, New York 3, NY	
NY	Jack Weber	63 E. 9 St, New York 3, NY	
NC	J E Joyner Jr	Box 1082, Atlanta, Ga	
ND	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	
Ohio	John Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	
Okla	Ernest L Wilks	1212 Camp St, Dallas, Tex	
Ore	Norwestern Sales Co	Box 9014, Seattle, Wash	
RI	Robert S MacArthur	Box 87, Waverly 79, Mass	
SC	J E Joyner Jr	Box 1082, Atlanta, Ga	
SD	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis, Minn	
Tenn	J E Joyner Jr	Box 1082, Atlanta, Ga	
Tex	Ernest L Wilks	1212 Camp St, Dallas, Tex	
Vt	Robert S MacArthur	Box 87, Waverly 79, Mass	
Va	J E Joyner Jr	Box 1082, Atlanta, Ga	
Wash	David S Linz	238 Shelmire St, Philadelphia, Pa	
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	
Wisc	A H Bruning Co	1758 W. Lawrence Ave, Chicago, Ill	
Foreign	Intex Co	370 Broadway, New York 13, NY	
	ELECTRONIC MECHANICS INC	**101 Clifton Blvd, Clifton, NJ**	**GR3-4108**
Cal	Jack Kaufman	126 25th Ave, San Mateo	FI1-4942
Cal	Wendell T Kershner	6534 Whittier Blvd, Los Angeles 22	RA3-5600
Conn	George Loomis	22 Buckwheat Hill, Watertown	CR4-2660
Fla	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Ga	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Ill	Roy Hill	136 E. Drake Ln, Des Plaines	VA4-0493
Ind	Insulating Components Co	1250 Stadium Dr, Indianapolis 2	ME4-8443
Iowa	Roy Hill	136 E. Drake Ln, Des Plaines, Ill	VA4-0493
Ky	Insulating Components Co	1250 Stadium Dr, Indianapolis 2, Ind	ME4-8443
Me	George Loomis	22 Buckwheat Hill, Watertown, Conn	CR4-2660
Mass	George Loomis	22 Buckwheat Hill, Watertown, Conn	CR4-2660
Minn	Roy Hill	136 E. Drake Ln, Des Plaines, Ill	VA4-0493
Mo	Insulating Components	1250 Stadium Dr, Indianapolis 2, Ind	ME4-8443
Nev	Jack Kaufman	126 25th Ave, San Mateo, Cal	FI1-4942
Nev	W T Kershner	6534 Whittier Blvd, Los Angeles 22, Cal	RA3-5600
NH	George Loomis	22 Buckwheat Hill, Watertown, Conn	CR4-2660
NC	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Ohio	Insulating Components Co	1250 Stadium Dr, Indianapolis 2, Ind	ME4-8443
Pa	Insulating Components Co	1250 Stadium Dr, Indianapolis 2, Ind	ME4-8443
RI	George Loomis	22 Buckwheat Hill, Watertown, Conn	CR4-2660
SC	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Tenn	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Vt	George Loomis	22 Buckwheat Hill, Watertown, Conn	CR4-2660
Va	Mfrs Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
W. Va	Insulating Components Co	1250 Stadium Dr, Indianapolis 2, Ind	ME4-8443
Wisc	Roy Hill	136 E. Drake Ln, Des Plaines, Ill	VA4-0493
	ELECTRONIC ORGAN ARTS INC	**4949 York Blvd, L A 42, Cal**	**CL6-6888**
Alaska	Wayer Charles F Jr	508 Fireweed Ln, Anchorage, Alaska	
Ark	Leveck Donald	121 Normandy Rd, Little Rock, Ark	
Cal	Frey Dr Paul E	225 Pine St, Red Bluff, Cal	
Cal	Buehman Rem	Box 511, Morro Bay, Cal	
Cal	Wixson Roger	3018 Berlin Way, Oakland, Cal	
Cal	Weyrauch Dr Henry M	2201 Webster St, San Francisco 15, Cal	
Colo	Laurence Harold D	1475 S. Fillmore St, Denver 10, Colo	
Fla	Johnson Charles H	7018 Bonnie Brae Ln, Jacksonville, Fla	
Ill	Eves C E	141 Forest Glen Rd, Wood Dale, Ill	
Ill	Johnson V H	29 S. Summit Ave, Villa Park, Ill	
Ill	Williamson Hugh S	5412 Sunnyside Ave, Chicago, Ill	
Ind	Johnson R W	2122 W. 9th Ave, Gary, Ind	
Kan	Underhill H D.	Mound City, Kan	
Md	Stopes Arthur	Rt 1, Box 48, Annapolis, Md	
Md	Wroe P C	33 Butler Rd, Glyndon, Md	
Mass	Dawes Arthur E	90 Aspen Rd, Swampscott, Mass	
Mass	Werling Eliot I	40 Everett St, Lynn, Mass	
Mich	Anderson Walter D	4647 Wesson St, Detroit 10, Mich	
Mich	Martell Dale E	17417 Evergreen Rd, Detroit, Mich	
Minn	Isberner A E	Box 5435, Minneapolis, Minn	
Miss	Fox Raymond	124 Pringle Circle, Biloxi, Miss	
NJ	Walter C E	32 Jefferson Ave, Haddonfield, NJ	
NJ	Mikulayak Robert M	Box 168, Stirling, NJ	
ND	Geiken Don	115 Broadway, Fargo, ND	
Ohio	Hunt William T	179 S. Demorest Rd, Columbus 4, Ohio	
Ohio	Phillips Wm S	713 Glendale St, N. Canton 20, Ohio	
Pa	Thurman H L	2429 Saunder Sta Rd, Pittcairn, Pa	
Tex	Bottom Virgil E	2041 S. Willis, Abilene, Tex	
Tex	Trued Paul E	5709 Eppy St, Ft. Worth, Tex	
Canada	Thompson Walter	53 Front St. E., Toronto, Ontario, Canada	
	ELECTRONIC PARTS MFG CO., INC	**508-10 25th St, Union City, NJ**	**UN5-4028**
	ELECTRONIC PROCESSES CORP OF CAL	**436 Bryant St, San Francisco 7, Cal**	**EX7-3881**
Cal	Sales Engineers Ltd	7919 Monroe, Paramount, Cal	NE6-7666
Cal	Montgomery Bros Missile Div	1053 S. Olive St, Los Angeles, Cal	RI7-5191
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
Md	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32, Ohio	CH4-2744
Mo	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
Mo	Lee Mark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
Ohio	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32, Ohio	CH4-2744
W. Va	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32, Ohio	CH4-2744
Canada	Electrodesign	736 Notre Dame St, W., Montreal, P. Q.	UN6-7367
	ELECTRONIC PRODUCTION & DEVELOPMENT INC	**501 N. Prairie Ave, Hawthorne, Cal**	
Cal	Tom Sloan & Associates	247 Deauville, Playa Del Rey, Cal	EX8-2531
Mich	Grant Shaeffer Co	14241 Fenkill, Detroit, Mich	BR3-5390
Foreign	Allied International Corp	230 Park Ave, New York 17, NY	MU9-6126
	ELECTRONIC PRODUCTS CO.	**111 E. Third St, Mt Vernon, NY**	**MO4-9293**
	ELECTRONIC RESEARCH ASSOCIATES INC	**67 Factory Pl, Cedar Grove, NJ**	**CE9-3000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ELECTRONIC RESEARCH & DEVELOPMENT ~~CO LTD~~	**210-9th Ave, S.E., Calgary, Alberta, Can**	**AM6-6048**
Canada	Electronic Res & Dev Co Ltd	8729-97 Ave, Edmonton, Alta, Canada	H09-3185
Canada	Electronic Res & Dev Co Ltd	2810 Dewdney Ave, Regina, Sask, Can	J09-2992
Canada	Tele-Radio Systems Ltd	3633 Dundas St, W., Toronto 9, Ont, Can	R02-8224
Canada	Western Communications Ltd	1609 Commercial Dr, Vancouver, B C, Can	HA7240
Canada	Inland Industrial Electronics	158 W. Victoria St, Kamloops, B C, Can	2596
	ELECTRONIC RESEARCH LABS	**85 Sorrey St, Brighton 35, Mass**	**AL4-3934**
	ELECTRONIC SERVICE	**201 Linden Ave, Verona, NJ**	**CE9-0303**
	ELECTRONIC SERVICE CORP	**2906 Birch St, Franklin Park, Ill**	**GL5-8100**
	ELECTRONIC SPECIALTIES CO	**P. O. Box 1041, Wyandotte, Mich**	**OR6-8866**
	ELECTRONIC SPECIALTY CO	**5121 San Fernando Rd, L A 39, Cal**	**CH5-3771**
Ala	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ark	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Cal	Eemco Div	4606 W. Jefferson Blvd, L A, Cal	RE3-0151
Cal	Systems Laboratories	5121 San Fernando Rd, L A 39, Cal	CH5-3771
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	AX9-7997
Conn	Technicraft Laboratories	Thomaston, Conn	AT3-4315
Conn	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
Del	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
DC	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Ga	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ill	OEM Sales Co	P.O.Box 55232, Indianapolis 5, Ind	LI6-2452
Ind	OEM Sales Co	P. O. Box 55232, Indianapolis 5, Ind	LI6-2452
Kan	D & O Engineering Co., Inc	P.O.Box 3107, Wichita, Kan	AM2-3052
Ky	ROC Engineering & Sales Co	P. O. Box 241, Worthington, Ohio	TJ5-1057
Md	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Mass	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
Mich	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit 35	PL6-7961
Mo	OEM Sales Co	P. O. Box 55232, Indianapolis 5, Ind	LI6-2452
NH	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
NJ	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
NY	Herbert W Thode	1058 Wildwood Rd, Oradel, NJ	C02-0289
NY	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
NC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ohio	ROC Engineering & Sales Co	P. O. Box 241, Worthington, Ohio	TL5-1057
Okla	D & O Engineering Co., Inc	P.O.Box 3107, Wichita, Kan	AM2-3052
Pa	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
RI	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
SC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Tenn	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Tex	Electro-Mechanical Associates Inc	6115 Denton Dr, Dallas 35, Tex	FL1-5515
Utah	Barnhill Associates	207 N. 4th E., Salt Lake City, Utah	EL5-5101
Vt	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	M06-6510
Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Wash	James Findlay Co	P. O. Box 717, Bellevue, Wash	GL4-5200
W. Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Foreign	Elektro-Metall Export	Jagerhofstr 26-29, Dusseldorf, Germany	
	ELECTRONIC SYSTEMS ENGRG CO	**2808 Dorchester Dr, Okla City, Okla**	**VI2-1333**
Ala	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Ariz	Wallace & Wallace Co	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Cal	Wallace & Wallace Co	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Colo	Vines & Co	Box 1025, Denver 1	TA5-4471
Del	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Idaho	Vines & Co	Box 111, Denver 1, Colo	TA5-4471
Iowa	Maury E Bettis Co	406 W. 34 St, Kansas City 11, Mo	LO1-0772
Kan	Maury E Bettis Co	406 W. 34 St, Kansas City 11, Mo	LO1-0772
La	Delzell-Maynard Sales Co	2013 Cedar Spring, Dallas 1, Tex	RI2-2027
Md	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Mo	Maury E Bettis Co	406 W. 34 St, Kansas City 11 Mo	LO1-0772
Nev	Wallace & Wallace Co	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
NJ	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
NM	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
NY	Leon L Adelman Co	25 Crittenden Ave, New York 33, NY	WC2-5309
NC	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Okla	Delzell-Maynard Sales Co	2013 Cedar Spring, Dallas 1, Tex	RI2-2027
Pa	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
SC	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Tenn	Delzell-Maynard Sales Co	2013 Cedar Spring, Dallas 1, Tex	RI2-2027
Tex	Delzell-Maynard Sales Co	2013 Cedar Spring, Dallas 1, Tex	RI2-2027
Utah	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
Va	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
W. Va	Morris F Taylor Co	Box 111, Silver Spring, Md	JU9-4002
Wyo	Vines & Co	Box 1025, Denver 1, Colo	TA5-4471
Foreign	Henley & Co	202 E. 44 St, New York 17, NY	YU6-5544
	ELECTRONIC TRANSFORMER CO	**70 Washington St, Brooklyn 1, NY**	**MA5-6123**
Ala	John Zaleski	2220 E. V Del Mar, St. Petersburg, Fla	22-8073
Cal	Meredith Engineering Assoc	385 E. Green St, Pasadena, Cal	
Conn	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Del	Jay A Mount & Co	National Press Bldg, Washington, DC	DI7-1349
DC	Jay A Mount & Co	National Press Bldg, Washington, DC	DI7-1349
Fla	John Zaleski	2220 E. V Del Mar, St. Petersburg, Fla	22-8073
Ga	John Zeleski	2220 E. V Del Mar, St. Petersburg Beach, Fla	22-8073
Me	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Md	Jay D Mount & Co	National Press Bldg, Washington, DC	DI7-1349
Mass	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis,	FE9-0707
NH	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
NC	Jay A Mount & Co	National Press Bldg, Washington, DC	DI7-1349
ND	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
RI	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
SD	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Vt	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Va	Jay A Mount & Co	National Press Bldg, Washington, DC	DI7-1349
Wisc	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Canada	Electro Design	736 Notre Dame St, W., Montreal, Canada	UN6-7357
	ELECTRONIC TUBE CORP	**1200 E. Mermaid Ln, Phila 18, Pa**	**CH7-6800**
Ala	COL-INS-CO., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Alaska	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Ark	Engineering Representatives	2912 Stanley, Ft. Worth, Tex	WA3-7386
Cal	Kittleson Co	416 N.LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE2-1857
Del	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
DC	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Fla	COL-INS-CO., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	COL-INS-CO., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Kan	Associated Industries Inc	455 S. Washington St, Wichita, Kan	HO4-0391
La	Engineering Representatives	2912 Stanley, Ft. Worth, Tex	WA3-7386
Me	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE2-1857
Md	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Mass	Raytronics Co	2 Garden Rd, Marblehead, Mass	
Mich	Gaine Engineering Co	1474 E. Outer Dr, Detroit 34, Mich	FO6-5353
Miss	COL-INS-CO, Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Mo	Associated Industries Inc	455 S. Washington St, Wichita 2, Kan	HO4-0391
Nev	Kittleson Co	416 N.LaBrea Ave, Los Angeles 36, Cal	WE3-7371
NH	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE2-1857
NJ	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
NJ	L C Freeman	24 Stephen St, Montclair, NJ	PI4-4775
NM	Kittleson Co	Box 803, Alamogordo, NM	HE7-2790
NY	Lawrence C Freeman & Assoc	24 Stephen St, Montclair, NJ	PI4-4775
NY	Naco Electronics Corp	704 Allen Rd, N. Syracuse, NY	GL8-2358
NC	Col-Ins-Co., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Ohio	Gaine Engineering Co	1474 E. Outer Dr, Detroit 34, Mich	FO6-5353
Okla	Associated Industries Inc	455 S. Washington St, Wichita 2, Kan	HO4-0391
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Pa	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
RI	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE2-1857
SC	Col-Ins-Co., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Tenn	Col-Ins-Co., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Tex	Engineering Representatives	2912 Stanley Ave, Fort Worth, Tex	WA3-7386
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE2-1857
Va	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
W. Va	Tower Engineering Co	3898 Linen Ave, Dayton 32, Ohio	CL6-0931
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Canada	Adams Engineering Ltd	1500 St. Catherine St, W., Mont, Que, Can	WE3-6857
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
Foreign	Sales Representatives In All Principal Countries		
	ELECTRONICS CORP OF AMERICA	**One Memorial Dr, Cambridge 42, Mass**	**UN4-8000**
Ala	W E Veenschoten	2115 8th Ave, S., Birmingham, Ala	AL1-3567
Ariz	Technical Services Co., Inc	2430 E. Washington St, Phoenix, Ariz	BR5-5423
Ariz	Cone & Wallace Co	1325 S. 26th St, Phoenix, Ariz	BR5-4496
Cal	Hundley Co	3282 Fletcher Dr, Los Angeles, Cal	
Cal	Electronic Control Systems Inc	1090 S. LaBrea, Los Angeles, Cal	
Cal	Sierra Instruments	1485 Bayshore Blvd, San Francisco, Cal	
Cal	Electronics Corp of America	1485 Bayshore Blvd, San Francisco, Cal	
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver, Colo	GE3-6436
Conn	Connecticut Valley Enterprises	P.O. Box 188, Essex, Conn	SO7-1128
DC	Gibson Engineering	River & Butler Rds, Washington, DC	OL2-4700
Fla	Florida Automatic Controls	P O Box 711, Tampa, Fla	TA2-0871
Fla	J Galleher	617-A Cleveland St, Clearwater, Fla	3-7706
Ga	Roy E Wilson Co	1062 Northside Dr, N.W., Atlanta, Ga	TR6-8833
Ga	Automatic Controls Co	313 Techwood Dr, N.W., Atlanta, Ga	JA2-3656
Hawaii	Berkley Engineering Co	P.O. Box 3856, Honolulu, Hawaii	
Ill	Electronics Corp of America	Prudential Plaza, Chicago, Ill	WH4-6368
Ind	Electro Products	702 E. 10th St, Indianapolis, Ind	ME1-7420
Ind	National Engineering Co	5775 Hillside Ave, Indianapolis, Ind	CL1-1132
Iowa	Deco Engineering Products	1112 Locust St, Des Moines, Iowa	[illegible]
Ky	Richard Equipment Co	633 S. 5th St, Louisville, Ky	JU3-9736
La	Mid South Sales Co	4424-B Earhart Blvd, New Orleans, La	TL4683
Md	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Md	E Westendorf	35 E. 21st St, Baltimore, Md	BE5-2764
Mich	D T Randall Co	530 Livernois Ave, Detroit, Mich	JO6-7130
Mich	Electronics Corp of America	18055 James Couzens Hwy, Detroit, Mich	UN4-8770
Minn	Engineered Sales Co	314 W. 38th St, Minneapolis, Minn	TA4-0696
Minn	Volvo Co	831 S. 6th St, Minneapolis, Minn	FE6-3373
Mo	Electronics Corp of America	9827 Clayton Rd, St. Louis, Mo	WY3-6244
Mo	Fraser C Moore Co	2522 Summit St, Kansas City, Mo	[illegible]
Mo	Matney & Hanna Co	11 E. Gregory Blvd, Kansas City, Mo	EM3-1771
Neb	Deco Engineering Products	712 S. 24th St, Omaha, Neb	JA4111
NY	Electronics Corp of America	30 Rockefeller Plaza, New York, NY	JU6-6200
NY	Carse Electric Corp	1044 Broadway, Albany, NY	HO2-5364
NY	Niagara Electric Sales	133 S. Clinton St, Rochester, NY	[illegible]
NY	R A Heyian	Box 444, Albany, NY	8-4666
NY	Niagara Electric Sales	505 Delaware Ave, Buffalo, NY	SU4000
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2548
Ohio	Electronics Corp of America	3100 Wooster Rd, Cleveland, Ohio	ED1-4124
Ohio	Richard Equipment Co	2137 Reading Rd, Cincinnati, Ohio	CH1-3240
Ohio	System Sales & Service	525 Walnut St, Cincinnati, Ohio	GA1-5150
Ohio	Slawson Equipment Co., Inc	1792 E. 40th St, Cleveland, Ohio	EX1-7263
Okla	Aljo Sales Inc	1307 S. Boulder, Tulsa, Okla	LU5-8724
Okla	Snyder Co., Inc	1432 E. 6th St, Tulsa, Okla	G 7-0126
Ore	W R Norte Co	216 N.E. Oregon St, Portland, Ore	BE4-7433
Pa	Electronics Corp of America	5100 State Rd, Philadelphia, Pa	CL9-1015
Pa	Earl E Whitaker & Son	822 Wood St, Pittsburg, Pa	FR1-6220
Pa	C Whiscett Co	7714 W. Chester Pike, Upper Darby, Pa	TR8-6400
Tenn	Abernathy-Thomas Engineering Co	341 W. Market St, Kingsport, Tenn	CL5-6151
Tex	Electronics Corp of America	4816 Milam St, Houston, Tex	JA4-4475
Tex	Industrial Equipment Co of Houston	6831 Navigation Blvd, Houston, Tex	WA8-5431
Utah	Electric Equipment Co	130 W. Commonwealth, Salt Lake City	HL5-0982
Utah	Industrial Service & Engineering Co	211 W. Fruit Ave, Salt Lake City, Utah	IN7-4257
Va	Beckness Control & Equipment Co	308 W. Carey St, Richmond, Va	MI3-5357
Wash	Eicher & Co	5 W. Harrison St, Seattle, Wash	AT4-1811
Wash	R H Liniger Co	2615 Fifth Ave, Seattle, Wash	MA2-6141
Wisc	Gordon Hatch Co., Inc	531 W. Wisconsin Ave, Milwaukee, Wisc	BR1-3021

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Canada	Electronics Corp of Amer Ltd	104 Advance Rd, Toronto, Ont, Canada	BE3-6243
England	Fireye Controls Co Ltd	14 Fetter Ln, London, England	
	ELECTRONICS DESIGN CO	**P. O. Box 401, Enid, Okla**	**AD4-1584**
	ELECTRONICS INC	**39 York Rd, Willow Grove, Pa**	**OL9-6666**
	ELECTRONS INC	**127 Sussex Ave, Newark 3, NJ**	**HU2-5977**
	ELECTROPAC	**62 Union St, Peterborough, NH**	**WA4-6411**
	ELECTROPARTS	**P. O. Box 1137, Glendale 6, Cal**	**AN1-0339**
	ELECTROPHONO & PARTS CORP	**530 Canal St, New York 13, NY**	**WO6-5163**
Ala	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	
Alaska	Northwestern Sales Co	2216 11th Ave, W., Seattle 99, Wash	
Ariz	Marshank Sales Co	7422 Melrose Ave, Los Angeles 46, Cal	
Ark	Cartwright & Bean	1336 Madison Ave, Memphis, Tenn	
Cal	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	
Cal	Logan & Hill Co	254 12th St, San Francisco, Cal	
Colo	W H Connors Co	375 Birch St, Denver, Colo	
Conn	Willson Sales Co	60 Beach St, Marblehead, Mass	
Del	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
DC	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
Fla	Cartwright & Bean	20100 N.E. 25 Ct, N. Miami, Fla	
Ga	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga	
Hawaii	Dougherty Enterprises	149 Kiami St, Kailua, Hawaii	
Idaho	W H Connors Co	375 Birch St, Denver, Colo	
Ill	W H Ellinger Sales Co	6571 N. Olmsted Ave, Chicago, Ill	
Ind	Doug Cook & Associates	3055 N. Meridian St, Indianapolis, Ind	
Iowa	Forristal Young Sales Co	4057 Broadway, Kansas City, Mo	
Kan	Forristal Young Sales Co	4057 Broadway, Kansas City, Mo	
Ky	Doug Cook & Associates	3055 N. Meridian St, Indianapolis, Ind	
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	
Me	Willson Sales Co	60 Beach St, Marblehead, Mass	
Md	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
Mass	Willson Sales Co	60 Beach St, Marblehead, Mass	
Mich	Wayne Beitel Co	13209 Fenkell, Detroit, Mich	
Minn	The Hammond Co	3324 Hiawatha Ave, Minneapolis, Minn	
Miss	Cartwright & Bean	1336 Madison Ave, Memphis, Tenn	
Mo	Forristal Young Sales Co	8147 Delmar, St. Louis, Mo	
Mont	W H Connors Co	375 Birch St, Denver, Colo	
Nev	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	
NH	Willson Sales Co	60 Beach St, Marblehead, Mass	
Neb	Forristal Young Sales Co	4057 Broadway, Kansas City, Mo	
NJ	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
NM	W H Connors Co	375 Birch St, Denver, Colo	
NY	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	
ND	The Hammond Co	3324 Hiawatha Ave, Minneapolis, Minn	
Ohio	F A Rosenwasser Sales Co	13781 Cedar Rd, Cleveland, Ohio	
Okla	The Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Ore	Norwestern Sales Co	2216 11th Ave, W., Seattle, Wash	
Pa	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
Pa	Rosenwasser Sales Co	13781 Cedar Rd, Cleveland, Ohio	
RI	Willson Sales Co	60 Beach St, Marblehead, Mass	
SC	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	
SD	The Hammond Co	3324 Hiawatha Ave, Minneapolis, Minn	
Tenn	Cartwright & Bean	1336 Madison Ave, Memphis 4, Tenn	
Tex	Maynard Co	2013 Cedar Springs, Dallas, Tex	
Utah	W H S Connors Co	375 Birch St, Denver, Colo	
Vt	Willson Sales Co	60 Beach St, Marblehead, Mass	
Va	BeEsco Sales Corp	45 S. Broadway, Yonkers, NY	
Wash	Norwestern Sales Co	2216 11th Ave, W., Seattle, Wash	
W. Va	Rosenwasser Sales Co	13781 Cedar Rd, Cleveland, Ohio	
Wisc	W H Ellinger Sales Co	6571 N. Olmsted Ave, Chicago, Ill	
Wyo	W H Connors Co	375 Birch St, Denver, Colo	
	ELECTROVERT INC	**124 E. 40 St, New York 17, NY**	**OX7-8396**
Ala	Osgood & Associates	988 Spring St, N.W., Atlanta 9, Ga	TR5-7804
Alaska	Yukon Radio Supply	Box 406, Anchorage, Alaska	
Ariz	King Engineering Co	5321 1/2 Hollywood Blvd, L A 27, Cal	HO4-7166
Ark	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Cal	King Engineering Co	1878 Union St, San Francisco 23, Cal	WE1-2168
Cal	King Engineering Co	5321 1/2 Hollywood Blvd, L A 27, Cal	HO4-7166
Colo	Cox Sales Co	Box 4201, Denver Sta, S., Denver, Colo	PE3-6772
Colo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
Del	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
DC	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
Fla	Osgood & Associates	988 Spring St, N.W., Atlanta 9, Ga	TR5-7804
Ga	Osgood & Associates	988 Spring St, N.W., Atlanta 9, Ga	TR5-7804
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Idaho	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Ill	Robert Cummings Co	1115 W. Elm St, Arlington Heights, Ill	CL5-0268
Ill	Ensco	4550 Main St, Kansas City, Mo	JE1-7765
Ill	Kemp Manning Sales Co	6571 N. Olmsted, Chicago 31, Ill	SP4-3406
Ill	Correll Engineering	4378 Lindell Blvd, St. Louis 8, Mo	OL2-0667
Ind	Robert Cummings Co	1115 W. Elm St, Arlington Heights, Ill	CL5-0268
Ind	Joseph B Clough Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-3322
Iowa	Kemp Manning Sales Co	6571 N. Olmsted, Chicago 31, Ill	SP4-3406
Kan	Ensco	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Osgood & Associates	988 Spring St, N.W., Atlanta 9, Ga	TR5-7804
La	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Me	Harold Henchey	30 Elmcrest Circle, Melrose 76, Mass	NO5-8303
Md	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
Mass	Harold Henchey	30 Elmcrest Circle, Melrose 76, Mass	NO5-8303
Mich	W B Conrad	13438 Fenkell Blvd, Detroit 27, Mich	BR3-4050
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Mo	Correll Engineering	4378 Lindell Blvd, St. Louis 8, Mo	OL2-0667
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Cox Sales Co	Box 4201, Denver Sta, S., Denver, Colo	PE3-6772
Nev	King Engineering Co	5321 1/2 Hollywood Blvd, L A 27, Cal	HO4-7166
NH	Harold Henchey	30 Elmcrest Circle, Melrose 76, Mass	NO5-8303
NJ	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
NM	Cox Sales Co	Box 4201, Denver Sta, S., Denver, Colo	PE3-6772
NY	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
NY	Harrison Radio Corp	225 Greenwich St, New York, NY	BA7-7777
NC	G F Schiffer & Co	1013 Hoffman St, Greensboro, NC	BR3-5578
ND	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4462
Ohio	Joseph B Clough Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-3322
Okla	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	John P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
RI	Harold Henchey	30 Elmcrest Circle, Melrose 76, Mass	NO5-8303
SC	G F Schiffer & Co	1013 Huffman St, Greensboro, NC	BR3-5578
SD	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4462
Tenn	Osgood & Associates	988 Spring St, N.W., Atlanta 9, Ga	TR5-7804
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Utah	T R Van Wagoner	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Vt	Harold Henchey	30 Elmcrest Circle, Melrose 76, Mass	NO5-8303
Va	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
Wash	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
W. Va	J P Dearie Co	Hilton Bldg, Boonton, NJ	DE4-4848
Wisc	Kemp-Manning Sales Co	6571 N. Olmsted, Chicago 31, Ill	SP4-3406
Wyo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
	ELECTRONEST INC	**2351 Albatross Way, Sacramento 15, Cal**	**WA2-4576**
	ELECTYNE MOTOR PRODS CORP.	**Geneva, Ill**	
	ELESTA LTD	**Electronic Controls, Bad Ragaz, Switz**	**085-97754-155**
Mass	Bordmeck Engineering Sales Co	227 Grove St, Braintree 1, Boston 85	VI3-0845
	ELGENCO INC	**1555 14th St, Santa Monica, Cal**	**EX3-3023**
	ELGIN METALFORMERS CORP	**630 Congdon Ave, Elgin, Ill**	
	ELGIN NATIONAL WATCH CO ELECTRONICS DIV ADVANCE RELAYS		
		2435 N. Naomi St, Burbank, Cal	**VI9-1446**
Ala	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Cal	Harold L Newnan	56-41st Ave, San Mateo, Cal	FI1-3433
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Del	Andrew A Foley Associates	15 S. Shirley Ave, Moorestown, NJ	NO3-4545
Fla	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Hawaii	Hastin & Browne	2663 Terrace Dr, Honolulu 5, Oahu, Hawaii	6-6005
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	John G Twist Co	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Ill	McDowell-Redlingshafer Sales Co	1108 E. Armour, Kansas City, Mo	WE1-5622
Ind	Southern Sales Co	105 Lake Shore Dr, Angola, Ind	AN777
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis 20, Ind	CL1-4575
Iowa	McDowell-Redlingshafer Sales Co	1108 E. Armour, Kansas City, Mo	WE1-5622
Ky	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis 20, Ind	CL1-4575
Me	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Md	Andrew A Foley Associates	15 S. Shirley Ave, Moorestown, NJ	NO3-4545
Mass	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Mich	Robert H Jackson	10534 Ludlow Ave, Huntington Woods, Mich	LI2-5069
Minn	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Miss	Grady Duckett Sales Office	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Mo	McDowell-Redlingshafer Sales Co	1108 E. Armour, Kansas City, Mo	WE1-5622
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	McDowell-Redlingshafer Sales Co	1108 E. Armour, Kansas City, Mo	WE1-5622
Nev	Harold L Newnan	56-41st Ave, San Mateo, Cal	FI1-3433
NH	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
NJ	John W Richardt Co	Rt 46, Pinebrook, NJ	CA8-0600
NJ	Andrew A Foley Associates	15 S. Shirley Ave, Moorestown, NJ	NO3-4545
NM	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NY	W E Baker Sales Co	299 Hazelwood Terr, Rochester, NY	HU2-2670
NY	Ned Allen Inc	P.O. Box 575, Binghampton, NY	
NY	John W Richardt Co	Rt 46, Pinebrook, NJ	CA8-0600
NC	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
ND	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4581
Ohio	Neal Bear Corp	3435 Streetsboro Rd, West Richfield, Ohio	OL9-3331
Okla	T J Ray	3913 E. Second Pl, Tulsa 12, Okla	WE6-7707
Ore	Samuel N Stroum Co	1612 N. Broadway, Seattle 22, Wash	EA2-6117
Pa	Andrew A Foley Associates	15 S. Shirley St, Moorestown, NJ	NO3-4545
Pa	Neal Bear Corp	3435 Streetsboro Rd, West Richfield, Ohio	OL9-3331
RI	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
SC	Grady Duckett Sales Office	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
SD	Al Bolin	587 Laurel St, Elk Grove Village, Ill	HE7-2124
Tenn	Grady Duckett Sales Office	26 E. Andrews Dr, N.E., Atlanta 5, Ga	CE3-5308
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Utah	Hyde Electronics Co	888 Lipan St, Denver 23, Colo	WE6-3456
Vt	Coakley Sales Office	148 Needham St, Boston 61, Mass	DE2-4800
Va	Ed Martin & Co	1306 Vassar Rd, Richmond 29, Va	
Wash	Samuel N Stroum Co	1612 N. Broadway, Seattle 22, Wash	EA2-6117
W. Va	Neal Bear Corp	3435 Streetsboro Rd, West Richfield, Ohio	OL9-3331
Wisc	John G Twist Co	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	Cannon Electric Canada Ltd	160 Bartley Dr, Toronto 16, Ont, Canada	PL7-2845
Foreign	Casa Erla	Apartado 434, Mexico 1, D F	
	ELIN DIV IERC	**135 W. Magnolia Blvd, Burbank, Cal**	**VI9-2481**
Cal	Instruments For Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Fla	Col-Ins Co., Inc	5728 Precision Dr, Orlando, Fla	
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Minn	Pinkney & Hine	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Mo	Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
NY	Reed-Tolfelson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
Ohio	Elliott-Sarles	23473 Concord Dr, Westlake, Ohio	ED1-8911
Pa	S & S Associates Inc	780 W. DeKalb Pike, King Of Prussia, Pa	BR9-7192
Tex	Wallace Associates	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8850
Canada	Allan Crawford Associates	P.O. Box 214, Willowdale, Ontario, Can	BA5-7391
	ELLIS ASSOCIATES	**Box 77, Pelham, NY**	**PE8-3360**
Ill	Pivan Engineering Co	2820 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Wisc	Pivan Engineering Co	2820 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Canada	Tatnall Meas & Nuc Syst Ltd	46 Hollinger Rd, Toronto 16, Ont, Can	PL5-5122
	ELLIS & SONS INC., GEORGE D	**4002 N. American St, Phila 40, Pa**	**BA3-3405**
	ELLISON DRAFT GAGE CO., INC.	**546 W. Monroe St, Chicago, Ill**	**RA6-2296**
	ELMET DIV., NORTH AMERICAN PHILIPS CO., INC	**Lisbon Rd, Lewiston, Me**	**ST4-5478**
Cal	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Conn	Hale-Forden Associates	1232 Farmington Ave, West Hartford, Conn	JA3-5323
Mass	Hale-Forden Associates	1232 Farmington Ave, West Hartford, Conn	JA3-5323
NH	Hale-Forden Associates	1232 Farmington Ave, West Hartford, Conn	CL3-5323
RI	Hale-Forden Associates	1232 Farmington Ave, West Hartford, Conn	CL3-5323
Vt	Hale-Forden Associates	1232 Farmington Ave, West Hartford, Conn	CL3-5323
	ELOMAG SPRL	**2 Ave. Wellington, Brussels, Belgium**	
	EL-RAD MFG CO	**4300 N. California Ave, Chicago 18, Ill**	**IR8-7300**
Ariz	Martin & Ozier	213 S. Hawthorne, Hawthorne, Cal	OR8-6106
Cal	Martin & Ozier	213 S. Hawthorne, Hawthorne,	OR8-6106
Ind	W A Meily Co	4017 S. Harrison, Ft. Wayne	KE2461
Iowa	R W Farris Co	406 W. 34 St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co	406 W. 34 St, Kansas City, Mo	PL3-5350
Mich	W A Meily Co	4017 S. Harrison, Ft. Wayne, Ind	KE2461
Minn	Ray Ripley Assoc	7222 James Ave, S., Minneapolis	UN6-6682
Mo	R W Farris Co	406 W. 34 St, Kansas City, Mo	PL3-5350
Neb	R W Farris Co	406 W. 34 St, Kansas City, Mo	PL3-5350
NJ	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NM	Martin & Ozier	213 S. Hawthorne, Hawthorne, Cal	OR8-6106
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Ohio	W A Meily Co	4017 S. Harrison, Ft. Wayne, Ind	KE2461
	EL-TRONICS INC	**20 S. 15th St, Phila 2, Pa**	**LO8-4450**
Cal	El-Tronics Inc	13041 S. Cerise Ave, Hawthorne, Cal	OR8-5774
Del	El-Tronics Inc	734 15th St, N.W., Washington, DC	EX3-6277
	ELZEE METAL PRODS CO., INC	**779 39th St, Brooklyn 32, NY**	**GE5-5000**
	EMELOID CO., INC	**1239 Central Ave, Hillside 5, NJ**	
Ga	Harold J Torgesen	955 Rogers St, Clarkston, Ga	
Mich	Vincent T Purcell	317 Stephenson Bldg, Detroit, Mich	
NY	George Gilbert	134 Lancaster, Buffalo 22, NY	
	EMERSON & CUMING INC.	**869 Washington St, Canton, Mass**	**CA5-1066**
Ala	Dbm Research Corporation	Stoddard Bldg, Cocoa Beach, Fla	SU3-2438
Alaska	Ray Johnston Company	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ariz	McCarthy Associates, Inc	111 Osborn W., Phoenix, Ariz	CR9-1891
Ark	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
Cal	McCarthy Associates Inc	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Del	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
DC	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Fla	Dbm Research Corp	Stoddard Bldg, Cocoa Beach, Fla	SU3-2438
Ga	Dbm Research Corp	Stoddard Bldg, Cocoa Beach, Fla	SU3-2438
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Cozzens & Cudahy, Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Ill	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Ind	Cozzens & Cudahy, Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita 18, Kan	MU3-3751
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Md	Andco Sales-Engineering, Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Mich	Electro-Mation Associates	4012 E. Nine Mile Rd, Warren, Mich	JE9-1420
Minn	Cozzens & Cudahy, Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Neb	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Nev	McCarthy Associates, Inc	1055 E. Walnut St, Pasadena, Cal	MU1-7411
NJ	Robert E Hall	R D Myersville Rd, Chatham, NJ	ME5-5352
NJ	Andco Sales-Engineering, Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	AL5-0669
NY	Markle & MacNeill	100 Wellwood Dr, Fayetteville, NY	NE7-9205
NY	Ray L Johnson	52 Elm St, Huntington, NY	HA1-3430
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Okla	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Andco Sales - Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tex	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City 15, Utah	IN6-4924
Va	Andco Sales - Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Va	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Wash	Ray L Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Wisc	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Wyo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Foreign	Comerso Societe d'Exp & Imp	30 Bould, Bonne Nouvelle, Paris 10 E.Fr	PR33-07
Canada	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
	EMERSON ELECTRIC MFG CO	**8100 Florissant Ave, St. Louis 36, Mo**	**CO1-1800**
	EMERSON PLASTICS CORP	**1383 Seabury Ave, Bronx 61, NY**	**SY2-4400**
	EMERSON RADIO & PHONO CORP	**14th & Coles Sts, Jersey City, NJ**	**SW5-3500**
	EMMCO PLASTICS FABRICATORS	**68 Vine St, Everett 49, Mass**	**DU9-1660**
	EMPIRE DEVICES PRODUCTS CORP	**Amsterdam, NY**	**VI2-8400**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ariz	Williams & Associates Inc	3221 Silver, N.E., Albuquerque, NM	AL5-9632
Ark	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Cal	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
Cal	Carl A Stone Associates Inc	8971 National Blvd, Los Angeles 34	UP0-7771
Colo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Conn	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
Del	Burlingame Associates Ltd	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
DC	Burlingame Associates Ltd	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Idaho	G M Gillett	19690 19th N.E., Seattle 55, Wash	PA5-3060
Idaho	Williams & Associates Inc	320 E. 4th, S., Salt Lake City, Utah	EM4-6844
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm Inc	123 S. 3rd St, Minneapolis 1, Minn	FE5-7172
Kan	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
Kan	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
La	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Me	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Associates Ltd	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Mass	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	R Edward Stemm Inc	123 S. Third St, Minneapolis 1, Minn	FE5-7172
Mo	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
Neb	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Nev	Carl A Stone Associates Inc	8971 National Blvd, Los Angeles 34, Cal	UP0-7771
Nev	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
NH	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
NJ	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Williams & Associates Inc	3221 Silver, N.E., Albuquerque, NM	AL5-9632
NY	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland, Ohio	HI2-8080
Ohio	S Sterling Co	379 W. 1st St, Dayton, Ohio	BA8-8794
Okla	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Ore	G M Gillett	19690 19th N.E., Seattle 55, Wash	PA5-3060
Pa	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
SC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Tex	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Utah	Williams & Associates Inc	320 E. 4th, S., Salt Lake City, Utah	EM4-6844
Vt	Burlingame Associates Ltd	974 Main St, Waltham, Mass	TW4-1955
Va	Burlingame Associates Ltd	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Va	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Wash	G M Gillett	19690 19th N.E., Seattle 55, Wash	PA5-3060
W. Va	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Wisc	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Wyo	Williams & Associates Inc	2261 S. Albion St, Denver, Colo	SK6-9403
Canada	Instronics Ltd	11 Spruce St, Stittsville, Ontario, Canada	TA8-1253
Foreign	Lindor International Corp	10 E. 40 St, New York 16, NY	MU5-6740
	EMPIRE ELECTRONICS CO., INC	**60 Spruce St, Paterson 1, NJ**	**AR4-8282**
	ENDEVCO CORP	**161 E.California Blvd, Pasadena, Cal**	**MU1-5231**
Ala	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Conn	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
Del	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
DC	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Fla	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Ga	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Ill	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Ind	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Iowa	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Kan	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Ky	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
Me	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
Mass	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
Md	Endevco Corp	481 Sowball Dr, Levittown, Pa	WI5-5575
Mass	Endevco Corp	1373 Grandview Ave, S. 216, Columbus 12, Ohio	HU6-6621
Mich	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Minn	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Miss	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Mo	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Neb	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
NH	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
NJ	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
NY	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
NC	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Ohio	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
Ore	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Pa	Endevco Corp	1373 Grandview, S. 216, Columbus, Ohio	HU6-6621
Pa	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
RI	Endevco Corp	P.O.Box 337, Levittown, Pa	WI9-3838
SC	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Tenn	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Vt	Endevco Corp	1373 Grandview Ave, S. 216, Columbus, O	HU6-6621
Va	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
W. Va	Endevco Corp	481 Snowball Dr, Levittown, Pa	WI5-5575
Wisc	Endevco Corp	825 Morningside Dr, Lake Forest, Ill	LA5-334
Canada	Mel Sales Limited	1969 Ave Rd, Toronto 12, Ont, Canada	HU1-0231
England	Endevco Limited	86 Cannon St, London E.C.4, England	WI 6651
	ENDICOTT COIL CO., INC	**24 Charlotte St, Binghamton, NY**	
	ENERGY KONTROLS INC	**15 S. First St, Geneva, Ill**	**CE2-0576**
Ala	W G Broughton	303 Hampton Dr, Birmingham, Ala	TR1-8669
Ala	Paul Hayden	Box 351, E. Point, Ga	PO6-0261
Ariz	Frank Baxter	3755 Vineland Ave, Studio City, Cal	TR7-6776
Ark	H Gookas	155 Continental, Dallas, Tex	RI7-9106
Ark	Tom Spivey Co., Inc	7547 Wilmerdean, Houston, Tex	MI9-1221
Cal	Frank Baxter	3755 Vineland Ave, Studio City, Cal	TR7-6776
Colo	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Conn	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Del	Dave Linz	238 Shelmire, Philadelphia, Pa	
DC	Dave Linz	238 Shelmire, Philadelphia, Pa	
Fla	W G Broughton	303 Hampton Dr, Birmingham, Ala	TR1-8669
Fla	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
Ga	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
Idaho	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Ill	George Fanelli	1157 W. Grand Ave, Chicago, Ill	TA9-3789
Ill	Teo Taliaferro	10 1/2 E. First St, Evansville, Ind	HA5-3479
Ill	Carmen A Vignola Associates	Box 569, Jefferson City, Mo	JE5-1023
Ill	Mike Berman	8631 E. Prairie Rd, Skokie, Ill	OR5-3740
Ind	George Fanelli	1157 W. Grand Ave, Chicago, Ill	TA9-3789
Ind	Charles Hoenig Sales	Butler Ct, Ft. Wayne, Ind	AN2-083
Ind	Teo Taliaferro	10 1/2 E. First St, Evansville, Ind	HA5-3479
Iowa	Doug Gale	407 Kan City Mds Mart, Kansas City, Mo	BA1-8918
Iowa	Carmen A Vignola Associates	Box 569, Jefferson City, Mo	JE5-1023
Kan	Doug Gale	407 Kan City Mds Mart, Kansas City, Mo	BA1-8918
Ky	Teo Taliaferro	10 1/2 E. First St, Evansville, Ind	HA5-3479
La	H Gookas	155 Continental, Dallas, Tex	RI7-9106
La	Tom Spivey Co., Inc	7547 Wilmerdean, Houston, Tex	MI9-1221

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Md	Dave Linz	238 Shelmire, Philadelphia, Pa	
Mass	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Mich	Fred W Riley	1241 Barron Lake Rd, Niles, Mich	MU3-8342
Minn	Sig Larsen	4908 1st Ave, S., Minneapolis, Minn	TA7-2179
Minn	Clark R Gibb & Co	2400 Hennepin Ave, Minneapolis 5, Minn	
Miss	Henry Guokas	155 Continental, Dallas, Tex	RI7-9106
Miss	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
Mo	Doug Gale	407 Kan City Mdse Mart, Kansas City, Mo	BA1-8918
Mo	Carmen A Vignola Associates	Box 569, Jefferson City, Mo	JE5-1023
Mont	Ted Taliaferro	10 1/2 E. First St, Evansville, Ind	HA5-3479
Mont	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Mo	Ted Taliaferro	10 1/2 E. First St, Evansville, Ind	HA5-3479
Neb	Doug Gale	407 Kan City Mdse Mart, Kansas City, Mo	BA1-8918
Neb	Carmen A Vignola Associates	Box 569, Jefferson City, Mo	JE5-1023
Nev	Frank Baxter	3755 Vineland Ave, Studio City, Cal	TR7-6776
NH	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
NJ	Joseph Coury	162-92nd St, Brooklyn, NY	TE6-7387
NJ	Dave Linz	238 Shelmire, Philadelphia, Pa	
NJ	Verter Sales Co	2352 E. 66th St, Brooklyn, NY	HI4-3880
NM	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
NY	Thomas Fox	Seneca Trnpk, Marcellus, NY	OR9-5081
NY	Joe Warsey	529 Merchants Rd, Rochester, NY	HU2-4133
NY	Joseph Coury	162-92nd St, Brooklyn, NY	TE6-7387
NY	Verter Sales Co	2352 E. 66th St, Brooklyn, NY	HI4-3880
NC	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
ND	Sig Larsen	4908 First Ave, S., Minneapolis, Minn	TA7-2179
Ohio	Hank Cole	10955 Shaker Blvd, Cleveland, Ohio	SW1-1110
Ohio	Jim Podolny	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Okla	Henry Guokas	155 Continental, Dallas, Tex	RI7-9106
Okla	Tom Spivey Co., Inc	7547 Wilmerdean, Houston, Tex	MI9-1221
Ore	Frank Baxter	3755 Vineland Ave, Studio City, Cal	TR7-6776
Pa	Hank Cole	10955 Shaker Blvd, Cleveland, Ohio	SW1-1110
Pa	Jim Podolny	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Pa	Dave Linz	238 Shelmire, Philadelphia, Pa	
RI	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
SC	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
SD	Sig Larsen	4908 First Ave, S., Minneapolis, Minn	TA7-2179
Tenn	Paul Hayden	Box 331, E. Point, Ga	PO6-0261
Tex	H Guokas	155 Continental, Dallas, Tex	RI7-9106
Tex	Tom Spivey Co., Inc	7547 Wilmerdean, Houston, Tex	MI9-1221
Utah	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
Vt	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Va	Paul Hayden	P.O. Box 331, East Point, Ga	PO6-0261
Wash	Frank Baxter	3755 Vineland Ave, Studio City, Cal	TR7-6776
W. Va	Hank Cole	10955 Shaker Blvd, Cleveland, Ohio	SW1-1110
W. Va	Jim Podolny	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Wisc	Bardon Sales	4826 Fond du Lac Ave, Milwaukee, Wisc	UP1-4900
Wisc	Mike Berman	8631 E. Prairie Rd, Skokie, Ill	OR5-3740
Wyo	Koether-Cox Co	1325 S. Inca St, Denver 23, Colo	PE3-5561
	ENFLO CORP	**Fellowship Rd/Rt. 73, Maple Shade, NJ**	**NO3-1700**
Ala	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Alaska	Marsh Agencies	2601 1st Ave, Seattle 1, Wash	
Ariz	Fryco	478 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3286
Ark	Hooper Sales Co	1934 E. Abram, Arlington, Tex	
Cal	R Del Bicchia & Associates	179 S. Mayfair Ave, Daly City, Cal	
Cal	A A Dowers Co	2918 E. Florence Ave, Huntington Park	
Conn	Near Inc	P.O. Box 184, Yalesville, Conn	CO9-9932
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
DC	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Fla	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Ga	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Ill	Jerry Gollen Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Ind	Jerry Gollen Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Iowa	W E Fry & Co	406 W. 34th St, Kansas City, Mo	
La	Hooper Sales Co	1934 E. Abram, Arlington, Tex	
Me	Near Inc	Box 184, Yalesville, Conn	CO9-9932
Md	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Mich	Jerry Gollen Co	2750 W North Ave, Chicago 47, Ill	EV4-5959
Miss	Hooper Sales	1934 E. Abram, Arlington, Tex	
Mo	W E Fry & Co	406 W. 34th St, Kansas City, Mo	
NH	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3686
NJ	J N Barrell	810 Federal St, Camden, NJ	EM5-2680
NM	Fry Co	478 N. Scottsdale, Scottsdale, Ariz	
NY	Kahant Associates	11 Park Pl, New York 7, NY	CO7-5326
NY	Franklin & Andrews	2 Standish Terr, Syracuse, NY	
NC	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Ohio	R Grey Firth	2021 Monroe Ave, Dearborn, Mich	
Okla	W E Fry & Co	406 W. 34 St, Kansas City, Mo	
Ore	Marsh Agencies	2601 1st Ave, Seattle 1, Wash	
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
RI	Near Inc	99 Highland Ave, Somerville 13, Mass	UN4-3686
SC	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Tenn	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Tex	Hooper Sales Co	1934 E. Abram, Arlington, Tex	
Vt	Near Inc	99 High and Ave, Somerville, Mass	
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Wash	Marsh Agencies	2601 1st Ave, Seattle 1, Wash	
Canada	H P Ruggles Co Ltd	88 Caroline St, N. Hamilton, Ontario, Canada	
	ENGELHARD INDUSTRIES INC	**113 Astor St, Newark 2, NJ**	**BI2-2700**
Ca.	Engelhard Industries Inc	760 Market St, San Francisco, Cal	GA1-1447
Cal	Engelhard Industries Inc	1111 Wilshire Blvd, Los Angeles, Cal	HL2-1800
Fla	Engelhard Industries Inc	925 Ingraham Bldg, Miami, Fla	FR9-8163
Fla	Engelhard Industries Inc	102 S. Orange Ave, Orlando, Fla	GA2-3682
Ill	Engelhard Industries Inc	55 E. Washington St, Chicago, Ill	FI6-6288
NY	Engelhard Industries Inc	477 Madison Ave, New York, NY	PL1-4242
Tex	Engelhard Industries Inc	1807 Commerce St, Dallas, Tex	RI7-0226
	ENGINEERED ELECTRONICS CO	**1441 E. Chestnut Ave, Santa Ana, Cal**	**KI7-5651**
Ala	Col-Ins Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Ariz	Western Engineering Co	8905 N. 17th Ave, Phoenix, Ariz	WI4-0431
Cal	Electronic Engineering Associates	1295 Laurel St, San Carlos, Cal	LY3-2189
Colo	Western Engineering Co	8905 N. 17th Ave, Phoenix, Ariz	WI4-0431
Conn	White Sales Co	Berlin, Conn	BA4-0423
Del	F R Jodan Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
DC	F R Jodan Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Fla	Lynch-Gentry Associates	406 Danley Dr, Fort Myers, Fla	WE6-2181
Ga	Col-Ins Co., Inc	2345 Ewing Dr, Atlanta, Ga	CE7-1494
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Kan	Industrial Associated Electronics Inc	5007 E. Lancaster, Fort Worth, Tex	JE1-1132
Me	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Md	F R Jodan Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Mass	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	M P Odell Co	10531 W. McNichols Rd, Detroit 21, Mich	UN2-1573
Minn	R Edward Stemm	123 S. 3rd St, Minneapolis, Minn	FE5-7172
Miss	Col-Ins Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Mo	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Nev	Electronic Engineering Associates	1295 Laurel St, San Carlos, Cal	LY3-2189
NH	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NJ	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3130
NM	Western Engineering Co	8905 N. 17th Ave, Phoenix, Ariz	WI4-0431
NY	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NY	Kenneth E Hughes Co	P.O. Box 54, Fayetteville, NY	NE7-9531
NC	Col-Ins Co., Inc	2345 Ewing Dr, Atlanta, Ga	CE7-1494
Ohio	M P Odell Co	2676 Salem Ave, Dayton, Ohio	AX9-9263
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Okla	Industrial Associated Electronics Inc	5007 E. Lancaster, Fort Worth, Tex	JE1-1132
Pa	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3130
Pa	M P Odell Co	750 Penn Ave, Pittsburgh, Pa	SY3-3367
RI	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
SC	Col-Ins Co., Inc	2345 Ewing Dr, Atlanta, Ga	CE7-1494
Tenn	Col-Ins Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Tex	Industrial Associated Electronics Inc	5007 E. Lancaster, Fort Worth, Tex	JE1-1132
Utah	Western Engineering Co	8905 N. 17th Ave, Phoenix, Ariz	WI4-0431
Vt	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Va	F R Jodan Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Wisc	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750
	ENGINEERED MAGNETICS DIV GULTON INC	**13041 Cerise Ave, Hawthorne, Cal**	**OR8-7607**
Ala	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Cal	Al Barauck	50 Hawthorne Ave, San Francisco 5, Cal	YU2-7292
DC	Wilco Associates	733 15th St, N.W., Washington 5, DC	EX3-0451
Fla	Jack Wright	Box 725, Boca Raton, Fla	4768
Ill	Gulton Industries Inc	7710 N. Paulina, Chicago 26, Ill	RO1-9661
Mich	J L Peirce	16666 James Couzens, Detroit 21, Mich	UN2-2571
NJ	Charles Bowland	304 Washington St, Glen Ridge, NJ	LI8-2800
NM	C G Electronics	15000 Central E., Albuquerque, NM	AX9-7601
NY	Ed Berman	34-50 24th St, Long Island City 6, NY	ST6-3423
NY	Charles Bowland	304 Washington, Glen Ridge, NJ	LI8-2800
Ohio	Robert Gerner	3851 Tait Rd, Dayton, Ohio	
Pa	Joseph Cuesta	P.O. Box 873, Paoli, Pa	NI4-1600
Tex	Phil Southern	3212 Princeton Ave, Dallas, Tex	LA1-3748
Va	R S Moore	Radio Bldg, Arlington, Va	JA4-6888
Wash	Harry Levinson	1117 2nd Ave, Seattle, Wash	MA2-5433
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
Canada	Titania Electric Corp of Can Ltd	P.O. Box 672, Gananoque, Ontario, Canada	
	ENGINEERED PRECISION CASTING CO	**Hwy 79, Morganville, NJ**	**LO6-2204**
	ENGINEERING ASSOCIATES	**434 Patterson Rd, Dayton 19, Ohio**	**AX3-1662**
	ENGLISH ELECTRIC VALVE CO LTD Chelmsford, Essex, England		**CM3491**
Cal	Ampex Corp	934 Charter St, Redwood City, Cal	EM9-1481
NJ	Marconi Instruments Ltd	111 Cedar Ln, Englewood, NJ	LO7-0607
Pa	G F Brett	5046 Nevada St, Philadelphia 31, Pa	TR8-1047
Foreign	Sales Offices/Representatives in all principal countries		
	ENSCO INC	**3100 Eldredge St, Salt Lake City, Utah**	**HU5-9162**
	ENTHONE INC	**442 Elm St, New Haven, Conn**	**SP7-5581**
	ENTRON INC	**4902 Lawrence St, Bladensburg, Md**	**AP7-9585**
Ala	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Ariz	J W Marsh Co	4216 W. Jefferson Ave, Los Angeles, Cal	RE2-0145
Ark	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Ark	Davco Electronics Corp	22nd & Main St, Batesville, Ark	RI3-3816
Cal	J W Marsh Co	4216 W. Jefferson Ave, Los Angeles, Cal	RE2-0145
Del	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
D.C.	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Fla	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Ga	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Idaho	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
Ky	Midwest Sales Co	3219 W.117 St, Cleveland, Ohio	WI1-2700
La	Davco Electronics Corp	22nd & Main St, Batesville, Ark	RI3-3816
La	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Md	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Mich	Midwest Sales Co	3219 W.117 St, Cleveland, Ohio	WI1-2700
Miss	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Miss	Davco Electronics Corp	22nd & Main St, Batesville, Ark	RI3-3816
Mo	Davco Electronics Corp	22nd & Main St, Batesville, Ark	RI3-3816
Mont	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
Nev	J W Marsh Co	4216 W.Jefferson Ave, Los Angeles, Cal	RE2-0145
NJ	Jack Brown Associates	207 Rosedale Rd, Yonkers, NY	SP9-7330
NJ	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
NY	Jack Brown Associates	207 Rosedale Rd, NY	SP9-7330
Ohio	Midwest Sales Co	3219 W.117 St, Cleveland, Ohio	WI1-2700
Okla	Nelson E Thomas & Associates	7825 Forshey St, New Orleans, La	AM3771
Ore	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
Pa	Midwest Sales Co	3219 W.117 St, Cleveland, Ohio	WI1-2700
Pa	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Tenn	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Tenn	Davco Electronics Corp	22nd & Main St, Batesville, Ark	RI3-3816
Tex	Nelson E Thomas & Associates	7825 Forshey St, New Orleans, La	AM3771
Tex	Texas Community Ant	303 Glover St, Sulphur Springs, Tex	TJ5-3757
Va	John Mustico	312 Bewley Rd, Havertown, Pa	HI6-1961
Wash	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
W. Va	Midwest Sales Co	3219 W.117 St, Cleveland Ohio	WI1-2700
Canada	Electroline TV Equipment	5757 Decellas Ave, Montreal, Que, Can	RE8-9095
	ENVIRONMENTAL EQUIP CORP	**369 Linden St, Brooklyn 27, NY**	**VA1-9872**
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	
Fla	W A Brown & Associates	201 Capron Rd, Indian City, Fla	
Mich	Electro Rep	22519 Telegraph Rd, Detroit, Mich	
NY	Howard Alliger	777 Northern Blvd, Great Neck, NY	
Tex	Gay Sales Co	P.O.Box 13232, Houston, Tex	
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	
Foreign	Ad Auriema Inc	89 Broad St, New York, NY	
	EPCO PRODUCTS INC	**Box 298, Walkill, NY**	**TW5-3300**
Conn	Donald E Anderson	30 Arlington St, Lynfield	
NJ	David Unger	150-16 73rd Ave, Flushing, NY	
NY	Nathan Sperry	3327 12th Ave, Brooklyn, NY	
	EPIC INC	**150 Nassau St, New York 38, NY**	
	EPOXY PRODUCTS INC	**137 Colt St, Irvington 11, NJ**	**ES5-6000**
Ariz	E J Foley Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	Parlmuth Electronics	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	Parlmuth Electronics	941 Charleston Rd, Palo Alto, Cal	
Conn	Gerber Sales Co	P.O. Box 2917, New Haven, Conn	SP7-6279
Del	L D Lowery Inc	4508 Annapolis Rd, Bladensberg, Md	UN4-4722
DC	L D Lowery Inc	4508 Annapolis Rd, Bladensberg, Md	UN4-4722
Fla	J Neal & Co	3831 S.W. 5th Terr, Miami, Fla	HI4-1118
Idaho	The National Co	70 Marion St, Seattle 4, Wash	MU2-2450
Iowa	Design & Sales Engr	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Kan	Design & Sales Engr	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	L D Lowery	4508 Annapolis Rd, Bladensberg	UN4-4722
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Minn	Miller Sales Co	3835 Shady Oak Rd, Hopkins, Minn	WE8-2892
Mo	Design & Sales Engr	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Neb	Design & Sales Engr	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Nev	Parlmuth Assoc	5057 W. Washington Blvd, L A, Cal	WE1-1041
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	L D Lowery	50 E. Wynnewood, Wynnewood, Pa	MI2-9100
NM	E J Foley Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
NY	R Topel Co	120 Ocean Pkwy, Brooklyn 18, NY	GE8-5354
Ore	The National Co	1533 S. E. Morrison, Portland, Ore	BE4-5248
Pa	L D Lowery	50 E. Wynnewood, Wynnewood, Pa	MI2-9100
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	L D Lowery	4508 Annapolis Rd, Bladensberg, Md	UN4-4722
Wash	The National Co	70 Marion St, Seattle 4, Wash	MU2-2450
	EPPLEY LAB INC	**12 Sheffield Ave, Newport, RI**	**VI7-1020**
Ariz	W K Geist Co	3177 Glendale Blvd, L A 39, Cal	NO5-5219
Cal	W K Geist Co	3177 Glendale Blvd, L A 39, Cal	NO5-5219
NM	W K Geist Co	3177 Glendale Blvd, L A 39, Cal	NO5-5219
	EPSCO INC COMPONENTS DIV	**275 Mass Ave, Cambridge 39, Mass**	**UN4-4950**
Ala	Donald C Jaeger	200 Cambridge Blvd, Winter Park, Fla	MI7-3700
Ark	Design & Sales Engineering Co	25 N. Meramec, St. Louis, Mo	PA1-6403
Cal	Moxon Electronics	489 S. Robertson Blvd, Beverly Hills	BR2-9311
Cal	Moxon Electronics	4434 Ingraham St, San Diego, Cal	HU8-2901
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
Conn	Geist Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Del	J A Mount & Co	National Press Bldg, Washington, DC	DI7-1349
DC	J A Mount & Co	National Press Bldg, Washington DC	DI7-1349
Fla	Donald C Jaeger	200 Cambridge Blvd, Winter Park, Fla	MI7-3700
Ill	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Ill	Design & Sales Engineering Co	25 N. Meramec, St. Louis, Mo	PA1-6403
Ind	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Iowa	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Kan	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Me	Geist Holtz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Md	J A Mount & Co	National Press Bldg, Washington DC	DI7-1349
Mass	Geist Holtz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Mich	Tower Engineering	13364 James Couzens, Detroit 35	DI1-2332
Minn	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Mo	Design & Sales Engineering Co	25 N. Meramec, St. Louis, Mo	PA1-6403
Neb	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
NH	Geist Holtz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	AL5-0669
NY	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NY	SBM Associates Inc	969 Clinton Ave, S., Rochester 20, NY	GR3-6506
NY	SBM Associates Inc	9 Highland Ave, Albany 5, NY	HE8-5381
Ohio	Tower Engineering	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Ohio	Tower Engineering	2138 Lee Rd, Cleveland, Ohio	
Pa	Tower Engineering	13364 James Couzens, Detroit 35, Mich	DI1-2332
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkinstown, Pa	WA7-1200
RI	Geist Holtz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Va	J A Mount & Co	National Press Bldg, Washington DC	DI7-1349
Vt	Geist Holtz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Wisc	Burt Anderson & Associates Inc	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4174
Wyo	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Foreign	Hudson-Randall International	141 E. 44th St, New York 17, NY	MU7-9163
Foreign	Sales Offices/Representatives in all Principal Countries		
	EPSCO INC EQUIPMENT DIV	**275 Mass Ave, Cambridge 39, Mass**	**UN4-4950**
Ala	Scientific Sales Engrg Co	3514 Flamingo Rd, Huntsville	JE9-5552
Ariz	Moxon Electronics Corp	4434 Ingraham, San Diego, Cal	HU8-2901
Cal	Moxon Electronics Corp	4434 Ingraham, San Diego, Cal	HU8-2901
Colo	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Conn	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Del	Wild & Associates Inc	Box 95, Southampton, Pa	LO8-7078
DC	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Fla	Scientific Sales Engrg Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engrg Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Idaho	Hytronic Measurements	2022 S. Main, Salt Lake City, Utah	IN6-4924
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	AV6-5824
Ind	Loren F Green	5218 W. Diversey Ave, Chicago, Ill	AV6-5824
Iowa	Loren F Green	5218 W. Diversey Ave, Chicago, Ill	AV6-5824
Kan	Design & Sales Engrg Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
La	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1072
Me	Instrument Dynamics Inc	11 Albion, Wakefield, Mass	CR6-5100

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Md	Wild & Associates	2523 Wilson Blvd, Arlington, Va	JA4-2274
Mass	Instrument Dynamics	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Tower Engineering Co	19364 James Couzens Hwy, Detroit, Mich	DI1-2332
Minn	Loren F Green	5218 W. Diversey, Chicago, Ill	AV6-6824
Mo	Design & Sales Engrg Co	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Mont	Contronics	2 Hanford St, Seattle, Wash	MA4-5135
Neb	Design & Sales Engrg Co	10611 W. 56th, Shawnee, Kan
NH	Instrument Dynamics	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
NM	Hytronic Measurements	211 Sierra S.E., Albuquerque, NM	AL5-0669
NY	Wild & Associates	1519 Northern Blvd, Roslyn, NY	MA1-8660
NC	Scientific Sales Engrg Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton, Ohio	CL6-0931
Okla	Carey-Wolf	Box 6072, Ft. Worth, Tex	PE8-1072
Ore	Contronics	2 Hanford St, Seattle, Wash	MA4-5135
Pa	Wild & Associates	Box 95, Southampton, Pa	LO8-7078
RI	Instrument Dynamics	11 Albion St, Wakefield, Mass	CR6-5100
SC	Scientific Sales Engrg Co	2162 Piedmont N.E., Atlanta, Ga	TR3-2475
Tex	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1072
Utah	Hytronic Measurements	2022 S. Main, Salt Lake City, Utah	IN6-4924
Vt	Instrument Dynamics	11 Albion, Wakefield, Mass	CR6-5100
Va	Wild & Associates	2523 Wilson Blvd, Arlington, Va	JA4-2274
Wash	Contronics	2 Hanford St, Seattle, Wash	MA4-5135
Wisc	Loren F Green	5218 W. Diversey, Chicago, Ill	AV6-6824
Foreign	Industries Export	931 Merch Mart, Chicago, Ill	MO4-4313
Foreign	Hudson Randall Intl	141 E. 44th St, New York 17, NY	MU7-9163

EPSCO INC MEDICAL DIV	**275 Mass Ave, Cambridge 39, Mass**	**UN4-4950**

EPSCO INC SYSTEMS DIVISION	**275 Mass Ave, Cambridge 39, Mass**	**UN4-4950**
Ariz	G E Moxon Sales	489 S. Robertson, Beverly Hills, Cal	BR2-9311
Ark	Carey-Wolf Co	5604 Wales, Ft. Worth, Tex	PE8-1702
Cal	G E Moxon Sales	489 S. Robertson Blvd, Beverly Hills	BR2-9311
Colo	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Conn	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Del	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
DC	Henry F Erfurt	910 17th St, N.W., Washington, DC	RE7-6939
Fla	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Idaho	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Iowa	Design & Sales Engineering Co	2702 41st St Pl, Des Moines, Iowa	BL5-4584
Kan	Design & Sales Engineering Co	25 N. Meramec, St. Louis 5, Mo
La	Carey-Wolf Co	5604 Wales, Ft. Worth, Tex	PE8-1702
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Tower Engineering Co	19364 James Couzens Hwy, Detroit	DI1-2332
Mo	Design & Sales Engineering Co	25 N. Meramec, St. Louis 5, Mo	PA1-6402
Neb	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Nev	G E Moxon Sales	489 S. Robertson, Beverly Hills, Cal	BR2-9311
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NM	Hytronic Measurements	211 Sierra, S.E., Albuquerque, NM	AL5-0669
NY	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton, Ohio	CL6-0931
Okla	Carey-Wolf Co	5604 Wales, Fort Worth, Tex	PE8-1702
Ore	Comptronics Inc	2 Hanford St, Seattle, Wash	MA4-5135
Pa	Tower Engineering	3898 Linden Ave, Dayton, Ohio	CL6-0931
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Tex	Carey-Wolf Co	5604 Wales, Fort Worth, Tex	PE8-1702
Utah	Hytronic Measurements	2022 S. Main, Salt Lake City, Utah	IN6-4924
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Wash	Comptronics Inc	2 Hanford St, Seattle, Wash	MA4-5135
Wyo	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3071
Foreign	Industries Export	Merchandise Mart, Chicago, Ill	MO4-4313
Canada	Computing Devices of Canada	P.O. Box 508, Ottawa 4, Ontario, Canada	TA8-2711
Foreign	Hudson Randall International	6 Pawcatuck Ave, Waverly, NJ	MU7-9163

EPSCO-WEST	**240 E. Palais Rd, Anaheim, Cal**	**PR2-1080**
Alaska	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Ariz	G E Moxon	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Cal	G E Moxon	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Colo	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Idaho	Comptronics	N. 2 Hanford St, Seattle 4, Wash	MA4-5135
Mont	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Nev	G E Moxon	489 S. Robertson, Beverly Hills, Cal	BR2-9311
NM	Hytronics Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Ore	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Tex	Carey-Wolf Co	6000 Camp Bowie Blvd, Ft. Worth	PE8-1702
Utah	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE3-3701
Wash	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Wyo	Hytronic Measurements	1295 S. Bannock, Denver, Colo	PE8-1702

EQUIPMENT & SERVICE CO	**7118 Envoy Ct, Dallas 7, Tex**	**FL1-9947**

ERA PACIFIC INC	**1760 Stanford St, Santa Monica, Cal**	**EX3-0511**
Ala	Col-ins Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Cal	Tech-Ser Inc	3540 Wilshire Blvd, Los Angeles, Cal	DU5-1765
Cal	Tech-Ser Inc	640 Donohoe St, E. Palo Alto, Cal
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Fla	Col-ins Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-ins Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
NJ	L & M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
NY	L & M Associates	143-33 Sanford Ave, Flushing 55, NY	HI5-0103
Tex	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Utah	Missile Accessories Corp	458 S. 3rd E., Salt Lake City, Utah	DA8-0329
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320

ERDCO ENGINEERING CORP	**Addison, Ill**	**KI3-6733**

ERIC ENGINEERING CO	**1823 Cole Ave, Santa Monica, Cal**	**EX3-9610**
Ala	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Ariz	Mueller Electronic Sales	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239
Ark	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Cal	Mueller Electronic Sales	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239
Cal	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-0652
Colo	Hyde Electronics Sales Co	888 S. Lipan St, Denver, Colo	WE6-3456
Del	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
DC	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Ga	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Hawaii	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-0652
Idaho	Hyde Electronic Sales Co	888 S. Lipan St, Denver, Colo	WE6-3456
Ill	Fitzsimmons Associates Inc	6124 Milwaukee Ave, Chicago 30, Ill	NE1-7660
Ind	Joe Clancy & Co., Inc	5750 N. Ewing St, Indianapolis 20, Ind	CL1-7669
Ind	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	793
Iowa	Fitzsimmons Associates Inc	6125 Milwaukee Ave, Chicago 30, Ill	NE1-7660
Ky	Joe Clancy Co., Inc	P.O. Box 269, Angola, Ind	793
La	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Md	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Mich	J Malcolm Flora Inc	P.O. Box 516, Plymouth, Mich	GL3-4296
Minn	Fitzsimmons Associates Inc	15 E. 38th St, Minneapolis 9, Minn	TA4-8251
Miss	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Mont	Hyde Electronic Sales Co	888 S. Lipan St, Denver, Colo	WE6-3456
Neb	Hyde Electronic Sales Co	888 S. Lipan St, Denver, Colo	WE6-3456
Nev	Mueller Electronic Sales	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239
Nev	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-0652
NJ	Bach Sales Co	26 Markham Rd, Old Beth Page, NY	MU7-1240
NJ	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
NM	Hyde Electronic Sales Co	5206 Constitution, N.E., Albuquerque, NM	AM8-1111
NY	Bach Sales Co	26 Markham Rd, Old Beth Page, NY	MU7-1240
NY	James C Schmitter	109 Easton Ave, Buffalo 15, NY	HJ6551
NC	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
ND	Fitzsimmons Associates Inc	15 E. 38th St, Minneapolis 9, Minn	TA4-8251
Ohio	Joe Clancy & Co	789 Orlando Ave, Akron 20, Ohio	UN4-0848
Ohio	Joe Clancy Co	805 Rockhill Ave, Dayton 20, Ohio	AX8-3052
Okla	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Ore	George M Roth	1504 N.W. Johnson, Portland 9, Ore	CA7-5654
Pa	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
SC	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
SD	Fitzsimmons Associates Inc	15 E. 38th St, Minneapolis 9, Minn	TA4-8251
Tenn	L E Barnhart	1003 Gunka Rd, Jacksonville Fla	RA4-0987
Tex	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Tex	Hyde Electronic Sales Co	5206 Constitution, N.E., Albuquerque, NM	AM8-1111
Utah	Hyde Electronic Sales Co	888 S. Lipan, Denver, Colo	WE6-3456
Va	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Wash	George M Roth	1504 N.W. Johnson, Portland 9, Ore	CA7-5654
W. Va	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Wisc	Fitzsimmons Associates Inc	6124 Milwaukee Ave, Chicago 30, Ill	NE1-7660
Wyo	Hyde Electronic Sales Co	888 S. Lipan St, Denver, Colo	WE6-3456
Canada	Desser-E-E-Limited	441 St. Francois Xavier, Montreal 1, Can	VI5-6570

ERICKSON SPECIALIZED TOOL CO	**Box 424, Pico, Cal**	**OX9-3719**
Cal	E W Brandt Co	1122 Folsom St, San Francisco, Cal	HE1-7710
Mass	Keene Sales Co	25 Tremont St, Boston 8, Mass	RI2-0466
Mich	Central Electronics Sales Co	19303 Fairport, Detroit 5, Mich	LA6-5841
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	MO-3543-4
Ohio	J W Lehner Co	367 Brynhild Rd, Columbus 2, Ohio	LU-5260

ERIE PACIFIC DIV OF ERIE RESISTOR	**12932 S. Weber Way, Hawthorne, Cal**	**OR8-5418**
Ala	Scientific Sales Engineering	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Cal	Long & Associates	Redwood City, Cal	EM9-3324
Cal	A C Catland	4645 Van Nuys Blvd, Sherman Oaks, Cal	ST9-0243
Cal	David De Haas Co	3851 Garrison St, San Diego, Cal	AC2-8257
Conn	Abbott-Allison Co	Box 467, Meriden, Conn	BE7-9232
DC	Arco Engineering	733 15th St, N.W., Wash, DC	EX3-5991
Fla	Scientific Sales Engineering	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Ill	Erie Resistor Corp	5809 W. Diversey Ave, Chicago, Ill	NA2-6080
Kan	W E Fry Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
Mich	J L Pierce Co	16665 James Couzens Hwy, Detroit, Mich	UN2-2571
Mo	W E Fry & Co	406 W. 34th, Kansas City, Mo	EV2-3500
NY	Brogan Associates	603 Main St, Westbury, NY	ED3-4555
NC	Scientific Sales Engineering	2831 S. Main, Winston, Salem, NC	PA3-3281
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Pa	Holdsworth & Co	Box 71, Lansdowne, Pa	MA6-8300
Tex	D B Carey Co	Box 6072, Ft. Worth, Tex	AX2-0294
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650

ERIE RESISTOR CORP	**644 W. 12th St, Erie, Pa**	**GL6-8592**
Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ariz	Erie Pacific Div	12932 S. Weber Way, Hawthorne, Cal	OR8-5418
Ark	Branum Sales Inc	P.O. Box 14348, Dallas 7, Tex	CH7-7128
Cal	Erie Pacific Div	12932 S. Weber Way, Hawthorne, Cal	OR8-5418
Colo	Allen I Williams	2263 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
Del	Erie Resistor Corp	Broadway Stevens Bldg, Camden, NJ	WO6-2100
Fla	Atcheson & Adams	P.O. Box 138, Fern Park, Fla	WI7-2562
Ga	Atcheson & Adams	P.O. Box 4867, Atlanta, Ga	MA2-9646
Idaho	J W Eckersley	3150 S. W. Hamilton St, Portland 1, Ore	CH6-3183
Ill	Erie Resistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Ind	Erie Resistor Corp	4517 Euclid Ave, Ft. Wayne, Ind	HA9669
Iowa	Erie Resistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Kan	Collins & Havercamp	6825 N. Baltimore Ave, Kansas City, Mo	GL3-4497
La	Branum Sales, Inc	P.O. Box 14348, Dallas 7, Tex	CH-7-7128
Me	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
Md	Erie Resistor Corp	Broadway Stevens Bldg, Camden, NJ	WO6-2100
Mass	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
Mich	Erie Resistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Minn	Erie Resistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Miss	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Mo	Erie Resistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Mont	J W Eckersley	3150 S. W. Hamilton, Portland 1, Ore	CH6-3183
Neb	Collins & Havercamp	6825 N. Baltimore Ave, Kansas City, Mo	GL3-4497
NH	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
NJ	Erie Resistor Corp	Broadway Stevens Bldg, Camden, NJ	WO6-2100
NM	Allen I Williams	3221 Silver St, S.E., Albuquerque, NM	AL5-9632
NY	Erie-Resistor Corp	595 Broad Ave, Ridgefield, NJ	WH3-5100
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ohio	Erie Resistor Corp	4517 Euclid Ave, Ft. Wayne, Ind	HA9669
Okla	Branum Sales, Inc	P.O. Box 14348, Dallas 7, Tex	CH7-7128
Ore	J W Eckersley	3150 S. W. Hamilton St, Portland 1, Ore	CH6-3183
Pa	Erie Resistor Corp	Broadway-Stevens Bldg, Camden, NJ	LO3-9228
RI	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
SC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Tenn	Atcheson & Adams	P.O. Box 157, Nashville, Tenn	DO6-2429
Tex	Branum Sales Inc	P.O. Box 14348, Dallas 7, Tex	CH7-7128
Utah	Allen I Williams Co	320 E. 4th S., Salt Lake City, Utah	EM4-6844
Utah	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Vt	Erie Resistor Corp	10-R Muzzey St, Lexington 73, Mass	VO2-8680
Wash	J W Eckersley	3150 S. W. Hamilton St, Portland 1, Ore	CH6-3183
Wisc	Erie Reisistor Corp	5809 W. Diversey Ave, Chicago 39, Ill	NA2-6080
Wyo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403

ERSKINE PRECISION WIRE CORP	**2208 Main St, Owensboro, Ky**	
Canada	L M Price	165 Poplar St, Toronto, Ontario, Canada	WA1-6840

ERWOOD INC	**1770 Berteau Ave, Chicago 13, Ill**	**BI8-0622**
ESCOTRONICS	**7000 S. Vine St, LaGrange, Ill**	**CH6-0597**
ESSENTIAL ELECTRONICS CORP	**1011 Power Ave, Cleveland 14, Ohio**	

ESSEX ELECTRONICS DIV OF NYTRONICS INC	**550 Springfield Ave, Berkeley Heights, NJ**	**CR3-9300**
Ala	George F Bohman Co	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ariz	Malcolm Ross & Co	1623 S. LaCienega Blvd, L A, Cal	BR2-3103
Ark	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Cal	Malcolm Ross & Co	1623 S. LaCienega Blvd, L A, Cal	BR2-3103
Cal	Louis J Kozub	P.O.Box 23, Redwood City, Cal	EM9-2876
Conn	Fred R Lesser	789 Hanover St, Manchester, NH	NA 2-3464
Del	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
DC	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Fla	George F Bohman Co	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	George F Bohman Co	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ill	Engineering Service Co	4550 Main St, Kansas City, Mo	JE1-7765
Ill	Bierhaus Balhorn Sales Inc	7185 W. Armitage Ave, Chicago 35, Ill	TU9-5011
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	Engineering Service Co	4550 Main St, Kansas City, Mo	JE1-7765
Kan	Engineering Service Co	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
La	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Me	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Md	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Mass	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Mich	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
Mich	F A Villani	7008 Rosemary, Dearborn 6, Mich	LO3-1256
Minn	Ed Mellos & Associates	2635 University Ave, St. Paul 14, Minn	MI6-2991
Mo	Engineering Service Co	4550 Main St, Kansas City, Mo	JE1-7765
Neb	Engineering Service Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	Malcolm Ross & Co	1623 S. LaCienega Blvd, L A, Cal	BR2-3103
NH	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
NM	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
NY	Fowler Beach Corp	3700 East Ave, Rochester, NY	LU6-0468
NY	Joseph Sprong Associates	254 W. 31st St, New York 1, NY	LO5-1820
Ohio	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
Okla	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Ore	George Meeker	414 Vance Bldg, Seattle, Wash	MA2-3273
Pa	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Pa	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
RI	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Tex	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Vt	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Va	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Wash	George Meeker	414 Vance Bldg, Seattle, Wash	MA2-3273
W. Va	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FI9-5374
Wisc	Ed Mellos & Associates	2635 University Ave, St. Paul 14, Minn	MI6-7991

ESSEX WIRE CORP MAGNET WIRE DIV	**1601 Wall St, Ft. Wayne, Ind**	**EA0311**
Ala	Essex Wire Corp	3231 11th Ave, N., Birmingham, Ala	FA4-4471
Ariz	Essex Wire Corp	213 N. 1st Ave, Phoenix, Ariz
Cal	Essex Wire Corp	274 Harbor Way, S. San Francisco, Cal	PL6-3030
Cal	Essex Wire Corp	6415 E. Fleet St, Los Angeles 21, Cal	OV5-8300
Conn	Essex Wire Corp	1731 Park St, Hartford 3, Conn	AD6-0641
Fla	Essex Wire Corp	3007 1/2 Edgewater Dr, Orlando, Fla	GA3-3232
Ga	Essex Wire Corp	926 Brady Ave, N.W., Atlanta, Ga	TR5-8992
Ill	Essex Wire Corp	411 S. Peoria St, Chicago 7, Ill	MO6-4666
Ill	Essex Wire Corp	418 E. Capitol Ave, Springfield, Ill	LA7-7215
Ky	Essex Wire Corp	2416 Frankfort Ave, Louisville 6, Ky	TW5-1915
Mich	Essex Wire Corp	170 E. South St, Hillsdale, Mich	HE7-3376
Minn	Essex Wire Corp	3230 E. Hennepin Ave, Minneapolis 13	FE9-8561
Mo	Essex Wire Corp	2000 Forest Ave, Kansas City 8, Mo	HA1-1955
Mo	Essex Wire Corp	5959 St. Louis Ave, St. Louis 20, Mo	EV2-9000
Neb	Essex Wire Corp	320 W.O.W. Bldg, Omaha, Neb	AT7280
NJ	Essex Wire Corp	457 Frelinghuysen Ave, Newark 5, NJ	BI8-4040
NY	Essex Wire Corp	15 Warrington Dr, Rochester 14, NY	BR1-9976
Ohio	Essex Wire Corp	1721 Superior Ave, N.E., Cleveland, Ohio	CH1-5817
Ohio	Essex Wire Corp	410 W. 1st St, Dayton 2, Ohio	BA2-6383
Ore	Essex Wire Corp	1231 N.W. Hoyt St, Portland 12, Ore
Pa	Essex Wire Corp	6816 Market St, Philadelphia, Pa	SH7-0600
Pa	Essex Wire Corp	3530 Forbes Ave, Pittsburgh 13, Pa	MU2-7551
Tenn	Essex Wire Corp	4880 Kaye Ave, Memphis, Tenn	ML5-0946
Tex	Essex Wire Corp	9132 Directors Row, Dallas, Tex	FL7-6515
Wash	Essex Wire Corp	2208 White-Henry-Stuart Bldg, Seattle, Wash
Wisc	Essex Wire Corp	312 E. Wisconsin Ave, Milwaukee 2, Wisc	BR1-4434
Foreign	Lionel-Essex International Corp	15 E. 26th St, New York 10, NY	MU5-1308

ESSEX WIRE CORP WIRE & CABLE DIV	**2610 S. Adams, Marion, Ind**	**NO4-6211**
Ariz	Essex Wire Corp	213 N. First Ave, Phoenix, Ariz	AP8-5796
Conn	Essex Wire Corp	1731 Park St, Hartford, Conn	AD6-0641
Ga	Essex Wire Corp	34 Eleventh St, N.E., Atlanta, Ga	TR4-0689
Ill	Essex Wire Corp	104 S. 6th St, Springfield, Ill	LA7-7215
Ind	Essex Wire Corp	1601 Wall St, Ft. Wayne, Ind	EA0311
Ky	Essex Wire Corp	2416 Frankfort Ave, Louisville, Ky	TW5-1915
Neb	Essex Wire Corp	320 W O W Bldg, Omaha, Neb	AT7280
NY	Essex Wire Corp	15 Warrington Dr, Rochester, NY	BR1-9976
Pa	Essex Wire Corp	6816 Market St, Upper Darby, Pa	SH7-0600
Tenn	Essex Wire Corp	648 Riverside Dr, Memphis, Tenn	JA5-6058

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Wash	Essex Wire Corp	2208 White Henry Stuart Bldg, Seattle, Wash
Foreign	Lionel-Essex International Corp	15 E. 26th St, New York, NY	MU5-1308
	ESSO STANDARD DIV OF HUMBLE OIL & REFINING CO	**15 W. 51st St, New York, NY**	**PL7-1200**
La	Esso Standard	1410 Canal St, New Orleans, La	MA6781
Md	Esso Standard	7720 York Rd, Baltimore, Md	VA5-5400
Mass	Esso Standard	135 Clarendon St, Boston 17, Mass	CO6-2600
NJ	Esso Standard	500 N. Broad St, Elizabeth, NJ	EL4-6000
NY	Esso Standard	Hutchinson River Pkwy, Pelham, NY	PE8-4700
NC	Esso Standard	1600 Woodlawn Rd, Charlotte, NC	JA3-2211
Pa	Esso Standard	City Line Ave, Bala-Cynwyd, Pa	TR6-0700
Tenn	Esso Standard	1211 Union Ave, Memphis, Tenn	BR2-2461
Va	Esso Standard	Broad & Hamilton Sts, Richmond, Va	EL9-2411
	ESTERLINE-ANGUS CO., INC	**Box 596, Indianapolis 6, Ind**	**CH4-3318**
Ala	Gearhart Co	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Ariz	J E Redmond Supply Co	P. O. Box 869, Phoenix, Ariz	AL4-8471
Ark	C B Fall Co	317 N. 11th St, St. Louis, Mo	CH1-2433
Cal	Brenner-Fiedler & Associates	7563 Melrose Ave, Los Angeles 46, Cal	WE3-3811
Cal	T R Routh Co	P. O. Box 1056, Burlingame, Cal	DI2-4147
Colo	Mountain States Machinery Co	1526 Blake St, Denver 2, Colo	CH4-7421
Conn	L W Kirmes	P. O. Box 192, Stoneham 80, Mass	ST6-1410
Del	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
DC	Hildenbrand Co	P. O. Box 1060, Fairfax, Va	CR3-2334
Fla	Gearhart Co	2513 Catalina Dr, Orlando, Fla	GA2-0824
Ga	Gearhart Co	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Idaho	Shaffer & Nelson Inc	1415 S. Main, Salt Lake City 15, Utah	HU4-3382
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
Ind	C O Arnold	911 N. Pennsylvania, Indianapolis, Ind	ME4-3811
Iowa	Deco Engineering Products	1112 Locust St, Des Moines, Iowa	AT3-5721
Kan	C B Fall Co	11201 Longview Rd, Hickman Mills, Mo	SO1-6545
Ky	Bowditch & Co	P. O. Box 3145, Knoxville, Tenn	4-2513
La	Mid-South Sales Co	P. O. Box 13032, New Orleans 25, La	TU4683
Me	L W Kirmes	P. O. Box 192, Stoneham 80, Mass	ST6-1410
Md	Hildenbrand Co	P. O. Box 1060, Fairfax, Va	CR3-2334
Mass	L W Kirmes	P. O. Box 192, Stoneham 80, Mass	ST6-1410
Mich	E B Anderson Co	12810 Puritan Ave, Detroit 27, Mich	UN2-7705
Minn	Pinkney & Hine	1925 Nicollet, Minneapolis 3, Minn	FE8-0523
Miss	Mid-South Sales Co	P. O. Box 13032, New Orleans 25, La	TU4683
Mo	C B Fall Co	317 N. 11th St, St. Louis, Mo	CH1-2433
Mont	Shaffer & Nelson Inc	1001 S.E. Water Ave, Portland 14, Ore	BE4-7437
Neb	Deco Engineering Products	712 S. 24th St, Omaha 2, Neb	JA4111
Nev	Shaffer & Nelson Inc	1415 S. Main St, Salt Lake City, Utah	HU4-3382
NH	L W Kirmes	P. O. Box 192, Stoneham 80, Mass	ST6-1410
NJ	T A Kenny	P. O. Box 266, Summit, NJ	CR3-7090
NM	J E Redmond Supply Co	P. O. Box 869, Phoenix, Ariz	AL4-8471
NY	T A Kenny	P. O. Box 266, Summit, NJ	CR3-7090
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	J F Wulfetange Jr	4505 E. Genesee, Dewitt 14, NY	GI6-3330
NC	Bowditch & Co	P. O. Box 3145, Knoxville, Tenn	4-2513
ND	Pinkney & Hine	1925 Nicollet, Minneapolis 3, Minn	FE8-0523
Ohio	L H Waldrip Co	3030 Euclid, Cleveland 15, Ohio	EX1-4242
Okla	C B Anderson Electric Co	712 Oil Capitol Bldg, Tulsa 3, Okla	GI7-1123
Ore	Shaffer & Nelson Inc	1001 S.E. Water Ave, Portland 14, Ore	BE4-7437
Pa	W H Bollinger	P. O. Box 8088, Pittsburgh 16, Pa	LO1-2340
Pa	Linn O Morrow & Son	Schaff Bldg, Philadelphia 2, Pa	LO7-6431
RI	L W Kirmes	P. O. Box 192, Stoneham 80, Mass	ST6-1410
SC	Gearhart Co	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
SD	Pinkney & Hine	1925 Nicollet, Minneapolis 3, Minn	FE8-0523
Tenn	Bowditch & Co	P. O. Box 3145, Knoxville, Tenn	4-2513
Tex	EADS Co	P. O. Box 13071, Houston 19, Tex	JA6-6667
Tex	Kemp Engineering Co	P. O. Box 13251, Dallas 20, Tex	FL7-6663
Tex	C B Anderson Electric Co	P. O. Box 1836, Amarillo, Tex	DR6-6443
Utah	Shaffer & Nelson Inc	1415 S. Main St, Salt Lake City, Utah	HU4-3381
Va	Hildenbrand Co	P. O. Box 1060, Fairfax, Va	CR3-2334
Wash	Shaffer & Nelson Inc	312 Occidental, Seattle 4, Wash	MU2-0186
W. Va	W H Bollinger	P. O. Box 8088, Pittsburgh 16, Pa	LO1-2340
Wisc	M F Jacobs Co	2218 N. 3rd St, Milwaukee, Wisc	LO2-5690
Wyo	Mountain States Machinery Co	1526 Blake St, Denver 2, Colo	CH4-7421
Foreign	Sales Offices/Representatives in all principal countries		
	ETCHOMATIC INC	**182 Newton St, Waltham, Mass**	**TW3-2020**
Ariz	Thomas L Stevens Co	15222 Grevillea, Lawndale, Cal	OS6-4782
Cal	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
Cal	Thomas L Stevens Co	450 9th St, San Francisco 3, Cal	
Conn	Marlboro Associates	P. O. Box 444, Waltham 54, Mass	TW3-2021
Del	Howard L Buerger Co	Glenside & Rice's Mill Rd, Wyncote, Pa	CA4-1740
Idaho	Paratech Agency	9210-28th N.W., Seattle 7, Wash	SU4-6447
Ill	Process Supply Corp	4433 Manchester Ave, St. Louis, Mo	FR1-0070
Me	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
Mass	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
Mo	Process Supply Corp	4433 Manchester Ave, St. Louis, Mo	FR1-0070
Nev	E L Berman Co	450-9th St, San Francisco 3, Cal	UN3-0317
NH	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
NJ	Howard L Buerger Co	Glenside & Rice's Mill Rd, Wyncote, Pa	
NY	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
Ore	Paratech Agency	9210-28th St, N.W., Seattle, Wash	SU4-6447
Pa	Howard L Buerger Co	Glenside & Rice's Mill Rd, Wyncote, Pa	
RI	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
Utah	E L Berman Co	450-9th St, San Francisco 3, Cal	UN3-0317
Vt	Marlboro Associates	Box 444, Waltham 54, Mass	TW3-2021
Wash	Paratech Agency	9210-28th St, N.W., Seattle, Wash	SU4-6447
	ETHYLENE CORP	**245 Broad St, Summit, NJ**	**CR7-2600**
Cal	Ethylene-Pacific Corp	8154 Orion Ave, Van Nuys, Cal	ST6-5717
Mass	Ethylene New England Corp	15 Willow St, Natick, Mass	OL5-0510
Pa	Ethlene-Allegheny Corp	1100 E. Warrington Ave, Pittsburg 10, Pa	EV1-7205
Tex	Ethlene-Gulfcoast Corp	11718 McGallion	HI7-3401
	EUBANKS ENGINEERING CO	**260 N. Allen Ave, Pasadena, Cal**	**SY5-5051**
Ariz	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Cal	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Conn	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
Ill	EMF Co	1645 W. Wabansia Ave, Chicago 22, Ill	AR6-8780
Kan	Sanford Co	1727 E. 2nd St, Wichita, Kan	AM5-3553
Ky	Kenneth Abbott	209 N. Main St, Marion, Ohio	2-5252
Mass	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
Mo	Sanford Co	1727 E. 2nd St, Wichita, Kan	AM5-3553
Nev	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
NH	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
NJ	Electronic & TV Consultants	Box 47, New York 52, NY	CY3-8082
NM	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
NY	Electronic & TV Consultants	P. O. Box 47, New York 52, NY	CY3-8082
NY	Maloney Sales Co	202 Merriman Ave, Syracuse 4, NY	GR8-3008
NC	Jake Rudisill Associates	2009 N. Tryon St, Charlotte 6, NC	FR6-4792
Ohio	Kenneth Abbott	209 N. Main St, Marion, Ohio	2-5252
Ore	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Pa	Electronic & TV Consultants	Box 47, New York 52, NY	CY3-8082
Pa	Maloney Sales Co	202 Merriman Ave, Syracuse 4, NY	GR8-3008
Pa	Kenneth Abbott	209 N. Main St, Marion, Ohio	2-5252
RI	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
SC	Jake Rudisill Associates	2009 N. Tryon St, Charlotte 6, NC	FR6-4792
Tenn	Jake Rudisill Associates	2009 N. Tryon St, Charlotte 6, NC	FR6-4792
Tex	Sanford Co	1727 E. 2nd St, Wichita, Kan	AM5-3553
Utah	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Vt	Connectronics Co	669 South Ave, Weston 93, Mass	CE5-2165
Va	Jake Rudisill Associates	2009 N. Tryon St, Charlotte 6, NC	FR6-4792
Wash	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Wisc	EMF Co	1645 W. Wabansia Ave, Chicago 22, Ill	AR6-8780
	EUGENE ENGINEERING CO., INC	**1217 Hyde Park Ave, Hyde Park 36, Mass**	
	EUREKA X-RAY TUBE CORP	**3250 N. Kilpatrick Ave, Chicago 41, Ill**	**KI5-3126**
Cal	George Seymour	1913 W. 9th St, Los Angeles, Cal	DU4-0062
	EVERARD TAP & DIE CORP	**213-215 E. 144th St, New York, NY**	**LU5-1760**
	EVERSHED & VIGNOLES LTD	**Chiswick, London W. 4, England**	**CH3670**
	EWALD INSTRUMENTS	**Rt 7E, Kent, Conn**	**WA7-3278**
	EXACT ELECTRONICS INC	**P. O. Box 552, Portland 7, Ore**	**CH4-3541**
Alaska	Comptronics	2 Hanford St, Seattle 2, Wash	MA4-5135
Ariz	Tech-Ser Inc	P.O. Box 6544, San Diego, Cal	AC2-1121
Cal	Tech-Ser Inc	3540 Wilshire Blvd, Los Angeles 5, Cal	DU5-1765
Cal	Tech-Ser Inc	P.O. Box 6544, San Diego, Cal	AC2-1121
Cal	Tech-Ser Inc	640 Donohoe St, E. Palo Alto, Cal	DA5-3251
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Del	R E Weber Co	15 Terry Ln, E. Brunswick, NJ	CL7-5243
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Idaho	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Me	Technical instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mont	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Neb	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NJ	R E Weber Co	15 Terry Ln, E. Brunswick, NJ	CL7-5243
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	AL5-0669
NY	R E Weber Co	15 Terry Ln, E. Brunswick, NJ	CL7-5243
Ore	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
Pa	R E Weber Co	15 Terry Ln, E. Brunswick, NJ	CL7-5243
RI	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wash	Comptronics	2 Hanford St, Seattle 4, Wash	MA4-5135
W. Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wyo	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
	EXACT ENGINEERING & MFG INC	**Box 447, Oceanside, Cal**	**SA2-2144**
Ala	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Ariz	Pacific Electro-Sales Inc	Box 9344, Pacific Beach, Cal	BE3-3341
Cal	Cerruti & Associates	Box 509, Redwood City, Cal	EM9-3354
Cal	Pacific Electro-Sales Inc	6053 1/2 Whittier Blvd, L A 22, Cal	RA3-3396
Conn	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Del	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
DC	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Fla	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Ga	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Ill	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit, Mich	VE7-1560
Ill	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Ind	Aironic Accessory Co., Inc	4 Eswin St, Greenhills, Cinn 18, Ohio	WE1-0930
Ky	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
La	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Me	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Md	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4	VA3-3350
Mass	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Mich	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit 35	VE7-1560
Miss	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
NH	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
NJ	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
NJ	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
NY	Aironic Accessory Co., Inc	1590 Niagara Falls Blvd, Tonawanda	AT4740
NY	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
NC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Ohio	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit, Mich	VE7-1560
Ohio	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Pa	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
RI	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
SC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Tenn	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Vt	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Wash	Remco	321 E. 45th St, Seattle 5, Wash	ME3-5858
W.Va	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
W.Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Canada	
	EXCELLENT ELECTRONICS, INC.	**39-51 60th St, Woodside 77, NY**	**OL1-3370**
	EXECUTONE, INC	**415 Lexington Ave, New York 17, NY**	**MU 7-7440**
	EXIDE IND'L DIV ELEC STOR BATTERY CO	**Rising Sun/Adams, Philadelphia 20, Pa**	**FI2-8000**
Ala	G D Reid	1925-29th Ave, S., Birmingham 9	TR9-5321
Ariz	N O Esterson	916 W. Adams St, Phoenix	AL4-0851
Cal	J G Bouska	1043 S. Grand Ave, Los Angeles 15	RI9-4436
Cal	W W Grundel	6150 Third St, San Francisco	MI7-3100
Colo	J W Fry	234 Commonwealth Bldg, Denver 2	MA3-7793
Conn	R D O'Brien	265 Church St, New Haven 10, Conn	LO2-0736
DC	J G Hanna	4000 Albemarle St, N.W., Wash 16, DC	EM2-6800
Fla	F R Crowley	707 Florida, Tampa 1	2-8923
Ga	J A Cronk	1248 Allen Ave, S.W., Atlanta 10, Ga	PL8-2621
Ill	R Gadbois	423 1st Natl Bank, Peoria	4-5051
Ill	W Mussen	5335 S. Western Ave, Chicago 9	WA5-9800
Ind	J F Reynolds	218 S. Marion St, South Bend, Ind	CE3-7823
Ind	R A Smallman	325 Bankers Trust Bldg, Indpls 4, Ind	ME5-6727
Iowa	E J Filemyr	2727 Fair Ave, Davenport	DA3-0871
La	R W Seymour	406 Civic Center Bldg, New Orleans	JA5-6035
Me	R M Walter	142 High St, Portland, Me	SP5-0023
Mo	N T Turner	Duncan Bldg, Towson 4, Md	VA5-2611
Mass	T J Mayoury	292 Worthington St, Springfield 3, Mass	ST5-1034
Mass	W S Howes	315 Mystic Ave, Medford 55, Mass	EX5-7979
Mich	W W Hamstreet	2355 Burchard St, E. Grand Rapids	GL6-7487
Mich	M W Turner	14965 Schaefer Hwy, Detroit 27	BR3-7100
Minn	M S Skogen	10 Torrey Bldg, Duluth, Minn	RA2-1751
Minn	R O Miles	1750 Hennepin Ave, Minnpls 3, Minn	FE2-6441
Mo	H T French	3928 Lindell Blvd, St. Louis 8, Mo	OL2-1310
Mo	D D Fischer	129 S. Belmont Blvd, Kansas City 23, Mo	BE1-6300
Neb	J E Folsom	320 WOW Bldg, Omaha 2, Neb	HA8600
NY	C A Muller	217 Montgomery Ave, Syracuse 2, NY	GR1-1488
NY	J F Carr	74 Park Ave, Rochester 7, NY	GR3-4580
NY	G W Griggs	1807 Elmwood Ave, Buffalo 7, NY	VI2244
NY	E A Holland	25 W. 43rd St, New York, NY	BR9-8100
NC	J F Hembree	519 E. Trade St, Charlotte 2, NC	FR5-7966
Ohio	F L Grove	6531 Rollymead Rd, Cincinnati 13, Ohio	MA1-1435
Ohio	D H Desch	1894 Sullivant Ave, Columbus 23, Ohio	BR4-1112
Ohio	R D Moore	500 Third Natl Bldg, Dayton 2, Ohio	BA4-9251
Ohio	G C Nicholson	2225 Hamilton Ave, Cleveland 14, Ohio	CH1-6231
Ore	S H Schooley	1224 S.W. Morrison St, Portland 5, Ore	CA2-3778
Pa	W E Carter	1608 Potomac Ave, Pittsburgh 16, Pa	FI1-2832
Tenn	J B Tregoning	420 Dermon Bldg, Memphis 3, Tenn	JA6-5842
Tex	W B Killingsworth	4101 San Jacinto St, Houston 4, Tex	JA4-2033
Tex	D L Rhea	2133 McKinney Ave, Dallas 1, Tex	RI8-9977
Utah	D M Baker	Box 133, Murray Br, Salt Lake City 7	EL9-5766
Va	B T Franklin	2904 W. Moore St, Richmond 30, Va	EL3-1026
Wash	W H Taylor	617 Paulsen Bldg, Spokane, Wash	MA4-1295
Wash	G L Nicholls	500 Wall St, Seattle 1, Wash	MA3-1377
W. Va	H L Ash	P. O. Box 1562, Charleston, W. Va	DI6-8201
Wisc	R L Phillips	312 E. Wisconsin Ave, Milwaukee 2	BR2-1384
	EXPORT CORP	**13310 Foley, Detroit 27, Mich**	**WE3-5081**
Mich	Export Corp	3105 Madison Ave, S.E., Grand Rapids	CH1-4689
Ohio	Export Corp	3309 South St, Toledo 9, Ohio	EV5-4651
	EYELET TOOL CO	**31 Carleton St, Cambridge, Mass**	**UN4-8170**
Cal	Handicraft Suppliers	533 Howard St, San Francisco, Cal	EX2-6968
Conn	Richard Tyler	P.O. Box 21, Branford, Conn	HU8-0454
Ill	George J Schultz	15 S. Austin Blvd, Chicago, Ill	CO1-4744
Tex	Chester Butt	P.O. Box 8213, Houston 4, Tex	WA6-7493
	FXR INC	**26-12 Borough Pl, Woodside 77, NY**	**AS8-2800**
Ala	J Neal & Co	Box 50-438, Miami 50, Fla	HI4-1118
Ariz	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	AL5-0669
Cal	FXR Inc	1122 S. Robertson Blvd, Los Angeles	BR2-9758
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
DC	A & M Associates Inc	1145 19th St, N.W., Wash, DC	DI7-3592
Fla	J Neal & Co	Box 50-438, Miami 50, Fla	HI4-1118
Ga	J Neal & Co	Box 50-438, Miami 50, Fla	HI4-1118
Idaho	AHM Co	Box 51, Boeing Field, Seattle 5, Wash	PA5-9810
Ill	Ridgway Associates	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates	1224 N. Capitol Ave, Indpls 2, Ind	ME5-2401
Iowa	Ridgway Associates	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Kan	Kemco Inc	6427 E. Kellogg, Wichita 18, Kan	MU4-8224
Ky	Ridgway Associates	1224 N. Capitol Ave, Indpls 2, Ind	ME5-2401
Me	FXR Inc	Box 92, S. Lincoln, Mass	CL9-8162
Md	A & M Associates Inc	1145 19th St, N.W., Wash, DC	DI7-3592
Mass	FXR Inc	Box 92, S. Lincoln, Mass	CL9-8162
Mich	Ridgway Associates	1204 N. Woodward Ave, Royal Oak, Mich	LI6-3312
Mo	Kemco Inc	6427 E. Kellogg, Wichita 18, Kan	MU4-8224
Mont	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Neb	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
NH	FXR Inc	Box 92, S. Lincoln, Mass	CL9-8162
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	AL5-0669
NY	J D Ryerson Associates Inc	Box 1400, Syracuse 1, NY	GI6-1771
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Ohio	Ridgway Associates	5915 Schaf Rd, Cleveland, Ohio	LA4-1421
Ohio	Ridgway Associates	3130 Far Hills Ave, Dayton, Ohio	AX3-2167
Okla	Kemco Inc	1618 W. 6th St, Irving, Tex	BL4-7032
Ore	AHMCO	Box 51, Boeing Field, Seattle, Wash	PA5-9810
Pa	A & M Associates Inc	1145 19th St. N.W., Wash, DC	DI9-3592
Pa	Ridgway Associates	5915 Schaaf Rd, Cleveland, Ohio	LA4-1421
RI	FXR Inc	Box 92, S. Lincoln, Mass	CL9-8162
SC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Tenn	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Tex	Kemco Inc	1618 W. Sixth St, Irving, Tex	BL4-7032
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Vt	FXR Inc	Box 92, S. Lincoln, Mass	CL9-8162
Va	A & M Associates Inc	1145 19th St, N.W., Wash DC	DI7-3592
Wash	AHMCO	Box 51, Boeing Fld, Seattle, Wash	PA5-9810
Wisc	Ridgway Associates	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Wyo	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
Foreign	Szucs International Corp	50 Broad St, New York, NY	WH4-7959
	FABRA-PRINT INC	**801 S.E. 8th St, Minneapolis 14, Minn**	**FE9-7701**
	FACTORY ENTERPRISES INC	**3431 Butler St, Pittsburgh 1, Pa**	**MU1-1199**
	FAE INSTRUMENT CORP	**42-61 Hunter St, Long Island City, 1, NY**	**ST6-4959**
Cal	Wright Engineering Co	180 E. California St, Pasadena, Cal	MU1-8488

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Wright Engineering Co ..... 126 25th Ave, San Mateo, Cal	F15-3157
	FAFNIR BEARING CO., THE ..... 37 Booth St, New Britain, Conn	**BA5-5151**
Ala	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Alaska	Fafnir Bearing Co., The ..... 605 Spokane St, Seattle 4, Wash	MA2-4141
Ariz	Fafnir Bearing Co., The ..... 2276 E. 16th St, Los Angeles 21, Cal	LU1-6171
Ark	Fafnir Bearing Co., The ..... 880 S. Third St, Memphis 6, Tenn	JA5-7602
Cal	Fafnir Bearing Co., The ..... 2276 E. 16th St, Los Angeles 21, Cal	LU1-6171
Colo	Fafnir Bearing Co., The ..... 4425 Vine St, Denver 16, Colo	AL5-1495
Del	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
D C	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Fla	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Ga	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Hawaii	Fafnir Bearing Co., The ..... 20 Rollins Rd, San Francisco 24, Cal	OX7-1244
Idaho	Fafnir Bearing Co., The ..... 1202 N.W. 17th Ave, Portland 9, Ore	CA7-0147
Ill	Fafnir Bearing Co., The ..... 4640 N. Olcott Ave, Chicago 31, Ill	UN7-6785
Ind	Fafnir Bearing Co., The ..... 1500 E. Riverside Dr, Indpls, Ind	WE6-1584
Iowa	Fafnir Bearing Co., The ..... 2201 5th Ave, Moline, Ill	2-7766
Kan	Fafnir Bearing Co., The ..... 2910 Oak St, Kansas City 1, Mo	WE1-5154
Ky	Fafnir Bearing Co., The ..... 2637 Erie Ave, Cincinnati 8, Ohio	EA1-2482
La	Fafnir Bearing Co., The ..... 9000 Directors Row, Dallas 7, Tex	FL 7-6568
Me	Fafnir Bearing Co., The ..... 117 Alewife Brook, Cambridge, Mass	UN4-9890
Md	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Mass	Fafnir Bearing Co., The ..... 117 Alewife Brook Pkwy, Cambridge	UN4-9890
Mich	Fafnir Bearing Co., The ..... 14900 Puritan Ave, Detroit 27, Mich	BR3-3465
Minn	Fafnir Bearing Co., The ..... 1607 Hennepin Ave, Minneapolis 3, Minn	FE6-2635
Miss	Fafnir Bearing Co., The ..... 880 S. Third St, Memphis 6, Tenn	JA5-7602
Mo	Fafnir Bearing Co., The ..... 2910 Oak St, Kansas City 8, Mo	WE1-5154
Mont	Fafnir Bearing Co., The ..... 605 Spokane St, Seattle 4, Wash	MA2-4141
Neb	Fafnir Bearing Co., The ..... 4425 Vine St, Denver 16, Colo	AL5-1495
Nev	Fafnir Bearing Co., The ..... 2276 E. 16th St, Los Angeles 21, Cal	LU1-6171
NH	Fafnir Bearing Co., The ..... 117 Alewife Brook, Cambridge, Mass	UN4-9890
NJ	Fafnir Bearing Co., The ..... 39-38 59th St, Woodside 77, NY	TW9-2000
NM	Fafnir Bearing Co., The ..... 4425 Vine St, Denver 16, Colo	AL5-1495
NY	Fafnir Bearing Co., The ..... 39-38 59th St, Woodside 77, NY	TW9-2000
NC	Fafnir Bearing Co., The ..... 119 W. 29th St, Charlotte 6, NC	ED4-8401
ND	Fafnir Bearing Co., The ..... 1607 Hennepin Ave, Minneapolis 3, Minn	FE6-2635
Ohio	Fafnir Bearing Co., The ..... 14300 Puritan Ave, Detroit 27, Mich	BR3-3465
Okla	Fafnir Bearing Co., The ..... 9000 Directors Row, Dallas 7, Tex	FL7-6568
Ore	Fafnir Bearing Co., The ..... 1202 N. W. 17th Ave, Portland 9, Ore	CA7-0147
Pa	Fafnir Bearing Co., The ..... 210 S. Highland Ave, Pittsburgh 6, Pa	EM2-1818
RI	Fafnir Bearing Co., The ..... 117 Alewife Brook, Cambridge, Mass	UN4-9890
SC	Fafnir Bearing Co., The ..... 119 W. 29th St, Charlotte 6, NC	ED4-8601
SD	Fafnir Bearing Co., The ..... 1607 Hennepin Ave, Minneapolis 3, Minn	FE6-2635
Tenn	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Tex	Fafnir Bearing Co., The ..... 9000 Directors Row, Dallas 7, Tex	FL7-6568
Utah	Fafnir Bearing Co., The ..... 4425 Vine St, Denver 16, Colo	AL5-1495
Vt	Fafnir Bearing Co., The ..... 117 Alewife Brook, Cambridge, Mass	UN4-9890
Va	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlant 8, Ga	TR5-8135
Wash	Fafnir Bearing Co., The ..... 605 Spokane St., Seattle 4, Wash	MA2-4141
W.Va	Fafnir Bearing Co., The ..... 505 Courtland St, N.E., Atlanta 8, Ga	TR5-8135
Wisc	Fafnir Bearing Co., The ..... 711 N. Capitol Dr, Milwaukee 6, Wisc	FR4-2010
Wyo	Fafnir Bearing Co., The ..... 4425 Vine St, Denver 16, Colo	AL5-1495
Foreign	R A Rodriguez Inc ..... 39-40 59th St, Woodside 77, NY	HI6-2330
	FAIRBANKS WIRE CO ..... 2209 Hollers Ave, New York 69, NY	**FA4-1266**
NY	Oren G Lanzendorf ..... 513 Cumberland Ave, Syracuse 10, NY	GR2-4195
	FAIRCHILD CAMERA & INSTRUMENT CORP DEFENSE PROD DIV ..... Robbins Ln, Syosset, NY	**WE1-4500**
Cal	Fairchild Camera & Instrument Corp ..... 6111 E. Washington Blvd, Los Angeles, Cal	
DC	Fairchild Camera & Instrument Corp ..... 1625 Eye St, N.W., Wash, DC	
Ohio	Fairchild Camera & Instrument Corp ..... Third National Bank Bldg, Dayton, Ohio	
	FAIRCHILD CAMERA & INSTRUMENT CORP INDUSTRIAL PROD DIV ..... 580 Midland Ave, Yonkers, NY	**GR6-0201**
	FAIRCHILD CONTROLS CORP COMPONENTS DIV ..... 225 Park Ave, Hicksville, NY	**WE8-5600**
Ala	Col-Ins-Co ..... 1012 Big Cove Rd, Huntsville, Ala	JE9-1771
Ariz	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Ark	Southern Ind Elec Inc ..... 429 Exchange Bank, Dallas, Tex	FL2-8995
Cal	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Colo	Barnhill Associates ..... 1170 S. Sheridan Blvd, Denver, Colo	WE5-4645
Conn	Near Inc ..... 99 Highland Ave, Somerville, Mass	PR6-2262
DC	Remco ..... 321 E. 45th St, Seattle, Wash	ME3-5858
Fla	Col-Ins-Co ..... 5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-Ins-Co ..... 5728 Precision Dr, Orlando, Fla	CH1-1501
Idaho	Remco ..... 321 E. 45th St, Seattle, Wash	ME3-5858
Ill	Burt Anderson & Associates ..... 6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Ind	Burt Anderson & Associates ..... 6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Iowa	Burt Anderson & Associates ..... 6414 W. Higgins Ave, Chicago, Ill	SP4-4174
Kan	Thompson Engrg Service ..... 2520 Oak Lawn Ave, Dallas, Tex	
La	Southern Ind Elec Inc ..... 429 Exchange Bank, Dallas, Tex	FL2-8995
Me	Near Inc ..... 99 Highland Ave, Somerville, Mass	PR6-2262
Mass	Near Inc ..... 99 Highland Ave, Somerville, Mass	
Mich	Burt Anderson & Associates ..... 6414 W. HigginsAve, Chicago, Ill	SP4-4174
Minn	Burt Anderson & Associates ..... 1821 University Ave, Minneapolis, Minn	MI6-1111
Miss	Col-Ins-Co ..... 64 E. Central Ave, Orlando, Fla	GA2-6197
Mo	Thomson Engrg Service ..... 8230 Forsyth Blvd, St. Louis, Mo	PA7-7705
Mont	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Neb	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Nev	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
NH	Near Inc ..... 99 Highland Ave, Somerville, Mass	PR6-2262
NM	Barnhill Associates ..... 8310 Cutler, Albuquerque, NM	
NY	Everett Sales Engr Co ..... 154 Prandom Rd, Mannasset, NY	MU7-7750
NC	Col-Ins-Co ..... 5728 Precision Dr, Orlando, Fla	CH1-1501
ND	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Okla	Southern Ind Elec Inc ..... 429 Exchange Bank, Dallas Tex	FL2-8995
Ore	Remco ..... 321 E. 45th St, Seattle, Wash	ME3-5858
RI	Near Inc ..... 99 Highland Ave, Somerville, Mass	PR6-2262
SC	Col-Ins-Co ..... 5728 Precision Dr, Orlando, Fla	CH1-1501
SD	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Tenn	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Tex	Southern Indl Electronics ..... 429 Exchange Bank, Dallas, Tex	FL2-8995
Utah	Barnhill Associates ..... 207 N. 4th E., Centerville	EL5-5101
Vt	Near Inc ..... 99 Highland, Somerville, Mass	PR6-2262
Wash	Remco ..... 321 E. 45th St, Seattle, Wash	ME3-5858
W. Va	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Wisc	Anderson Associates ..... 6414 W. Higgins, Chicago, Ill	SP4-4174
Wyo	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
Foreign	Fairchild Controls Corp ..... 6111 E. Washington Blvd, L A, Cal	RA3-5191
	FAIRCHILD RECORDING EQUIP CORP ..... 10-40 45th Ave, Long Island City 1, NY	**ST4-6163**
Ala	Robert G Thomas ..... 942 S. 53 St, Birmingham, Ala	
Alaska	Ray Johnston Co ..... 1011 E. 69th St, Seattle, Wash	
Ariz	Mueller Electronic Sales ..... 3225 Exposition Pl, Los Angeles, Cal	
Ark	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	
Cal	Mueller Electronic Sales ..... 3225 Exposition Pl, Los Angeles, Cal	
Cal	Bill Kolans Co ..... 219 California Dr, Burlingame, Cal	
Colo	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Conn	Paul Nief ..... 15 Oak St, Westport, Conn	
Del	Wilfrid Graham Associates ..... 610 Latham Dr, Wynnewood, Pa	
DC	Wilfrid Graham Associates ..... 610 Latham Dr, Wynnewood, Pa	
Fla	World Wide Products Co ..... Box 154, N. Miami, Fla	
Ga	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	
Idaho	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Ill	Loren F Green Associates ..... 5218 W. Diversey, Chicago, Ill	
Ill	Robert Shaw ..... 7800 Kennridge Ln, Webster Groves, Mo	
Ind	Loren F Green Associates ..... 5218 W. Diversey, Chicago, Ill	
Iowa	Robert Shaw ..... 7800 Kennridge Ln, Webster Grove, Mo	
Kan	Robert Shaw ..... 7800 Kennridge Ln, Webster Grove, Mo	
Ky	Loren F Green Associates ..... 5218 W. Diversey, Chicago, Ill	
La	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	
Me	Paul Nief ..... 15 Oak St, Westport, Conn	
Md	Wilfrid Graham Associates ..... 610 Latham Dr, Wynnewood, Pa	
Mass	Paul Nief ..... 15 Oak St, Westport, Conn	
Mich	Rod Butchart ..... 16637 E. Warren, Detroit, Mich	
Minn	William Engelbretsen ..... 906 Ottawa Ave, St. Paul, Minn	
Miss	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	
Mo	Robert Shaw ..... 7800 Kennridge Ln, Webster Groves, Mo	
Mont	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Neb	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Nev	Bill Kolans Co ..... 219 California Dr, Burlingame, Cal	
NH	Paul Nief ..... 15 Oak St, Westport, Conn	
NJ	R G Bach Sales Co ..... 26 Mahan Rd, Old Bethpage, NY	
NM	Milmar Electronics ..... 403 S. Plummer, Tucson, Ariz	
NY	R G Bach Sales Co ..... 26 Mahan Rd, Old Bethpage, NY	
NY	Maurice Farber ..... 70 W. Chippawa St, Buffalo, NY	
NC	Robert G Thomas ..... 942 S. 53 St, Birmingham, Ala	
ND	William Engelbretsen ..... 906 Ottawa Ave, St. Paul, Minn	
Ohio	H H Seay Co ..... 3850 Fairlington Dr, Columbus, Ohio	
Okla	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	
Ore	Ray Johnston Co ..... 1011 E. 69 St, Seattle, Wash	
Pa	Wilfrid Graham Associates ..... 610 Latham Dr, Wynnewood, Pa	
Pa	Dahl Mack ..... 320 Lincoln Bldg, Scranton, Pa	
RI	Paul Nief ..... 15 Oak St, Westport, Conn	
SC	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	
SD	William Engelbretsen ..... 906 Ottawa Ave, St. Paul, Minn	
Tenn	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	
Tex	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	
Utah	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Vt	Paul Nief ..... 15 Oak St, Westport, Conn	
Wash	Ray Johnston Co ..... 1011 E. 69 St, Seattle, Wash	
W. Va	H H Seay Co ..... 3850 Fairlington Dr, Columbus, Ohio	
Wisc	Loren Green Associates ..... 5218 W. Diversey, Chicago, Ill	
Wisc	William Engelbretsen ..... 906 Ottawa Ave, St. Paul, Minn	
Wyo	Stan Clupff Associates ..... 75 S. Cody Ct, Denver, Colo	
Foreign	Fairchild Recording Equip ..... 333 E. 46 St, New York 17, NY	
Canada	Roy Gray Co Ltd ..... 46 Danforth, Toronto, Ont, Canada	
	FAIRCHILD SEMICONDUCTOR CORP ..... 545 Whisman Rd, Mountain View, Cal	**YO8-8161**
Ala	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Alaska	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Ariz	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Ark	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Cal	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Colo	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Conn	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
Del	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
DC	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
Fla	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
Ga	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
Hawaii	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Idaho	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Ill	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Ind	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Iowa	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Kan	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Ky	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
La	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Me	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
Md	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
Mass	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
Mich	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Minn	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Miss	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
Mo	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Mont	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Neb	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Nev	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
NH	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
NJ	Fairchild Semiconductor Corp ..... 600 Old Country Rd, Garden City, NY	PI1-4770
NJ	Fairchild Semiconductor Corp ..... 731 James St, Syracuse 3, NY	GR2-3391
NM	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
NY	Fairchild Semiconductor Corp ..... 600 Old Country Rd, Garden City, NY	PI1-4770
NY	Fairchild Semiconductor Corp ..... 731 James St, Syracuse 3, NY	GR2-3391
NC	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
ND	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Ohio	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Okla	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Ore	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
Pa	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
RI	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
SC	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
SD	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Tenn	Fairchild Semiconductor Corp ..... 100 Old York Rd, Jenkintown, Pa	TU6-6623
Tex	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Utah	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
Vt	Fairchild Semiconductor Corp ..... 19 Preston Beach Rd, Marblehead, Mass	NE1-4436
Va	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
Wash	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
W. Va	Fairchild Semiconductor Corp ..... 1027 Cafritz Bldg, Washington, DC	NA8-7770
Wisc	Fairchild Semiconductor Corp ..... 834 N. Summit St, Wheaton, Ill	MO8-8126
Wyo	Fairchild Semiconductor Corp ..... 8833 Sunset Blvd, Los Angeles, Cal	OL5-6058
	FAIRFIELD DEVELOPMENT LABS INC ..... 190 Henry St, Stamford, Conn	**FI8-1405**
Cal	Engineering Sales & Service Co ..... 3100 Airport Ave, Santa Monica, Cal	EX7-4237
Colo	Brown Technical & Associates Sales ..... 130 S. Yarrow St, Lakewood 15, Colo	BE7-3467
Ga	Don Wheeler & Associates ..... 929 Burnt Hickory Dr, S.W., Atlanta 11	PL8-2979
Ind	Oem Sales Co ..... Box 55232, Indianapolis 5, Ind	LI6-2452
Kan	Benson Engineering Co ..... 519 S. Broadway, Wichita, Kan	AM2-6917
Mass	R P Mahan Co ..... South Lincoln, Mass	CL9-9300
Ohio	Roc Associates Inc ..... Box 241, Worthington, Ohio	TU5-1057
Tex	Robco ..... 4515 Prentice St, Dallas 6, Tex	EM8-3338
	FAIRFIELD ENGINEERING CORP ..... 114 Manhattan St, Stamford, Conn	**DA5-1561**
Del	C A Briggs Associates ..... 610 Washington Ave, Towson 4, Md	VA3-4900
DC	C A Briggs Associates ..... 610 Washington Ave, Towson 4, Md	VA3-4900
Md	C A Briggs Associates ..... 610 Washington Ave, Towson 4, Md	VA3-4900
NJ	Kahant Associates ..... 11 Park Pl, New York 7, NY	CO7-5326
NY	Kahant Associates ..... 11 Park Pl, New York 7, NY	CO 7-5326
Wisc	C G Sims Co ..... 6414 N. Santa Monica Blvd, Milw 17	FL2-5144
	FAIRMOUNT CHEMICAL CO., INC ..... 136 Liberty St, New York 6, NY	**BA7-6375**
Cal	Clinton Chemical Co., Inc ..... 2926 Wiltshire Blvd, Santa Monica, Cal	
Ill	J H deLanar & Co ..... 4529 N. Kedzie Ave, Chicago Ill	
	FAIR-RITE PRODUCTS CORP ..... Wallkill, NY	**TW5-3700**
Cal	The Charrett Co ..... 7410 W. 65th St, Los Angeles 45, Cal	SP6-2655
Ill	Robert J Kennedy ..... 6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy ..... 6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ky	Frank Campisano ..... 3985 Race Rd, Cincinnati 11, Ohio	HU1-2652
Mich	Robert J Kennedy ..... 6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Minn	Robert J Kennedy ..... 6713 N. Oliphant, Chicago 31, Ill	NE1-8283
NY	D L Wilbur Co ..... 572 Oakwood Ave, Syracuse 5, NY	GR6-2706
Ohio	Frank Campisano ..... 3985 Race Rd, Cincinnati 11, Ohio	HU1-2652
Pa	D L Wilbur Co ..... 572 Oakwood Ave, Syracuse 5, NY	GR6-2706
SD	Robert J Kennedy ..... 6713 N. Oliphant, Chicago 31, Ill	NE1-8283
Wisc	Robert J Kennedy ..... 6713 N. Oliphant, Chicago 31, Ill	NE1-8283
Foreign	Dage Corp ..... 219 E. 44th St, New York 17, NY	MU2-6755
	FALCON MACHINE & TOOL CO ..... 207 Concord Trnpk, Cambridge, Mass	**PR7-0013**
	FALLS METAL WORKS LTD ..... 474 Main St, Little Falls, NJ	
	FALSTROM CO ..... 44 Falstrom Ct, Passaic, NJ	**PR7-0013**
	FAMON ELECTRONIC INDUSTRIES INC ..... 439 Frelinghuysen Ave, Newark, NJ	**MU7-3400**
Ala	Morris F Taylor Co ..... 2396 Connally Dr, East Point, Ga	
Ariz	Verne Linsley ..... 2902 W. Villa St, Phoenix, Ariz	
Ark	LeRoy Massey ..... 304 E. Jefferson St, Greenwood, Miss	
Cal	Perlmuth Electronic Associates ..... 5057 W. Washington, Los Angeles, Cal	
Cal	E W Brandt Co ..... 1122 Folsom St, San Francisco, Cal	
Colo	Gordon Moss Electronics Inc ..... 1530-13th Ave, Greeley, Colo	
Conn	Charles Segel Co ..... 1262 Commonwealth, Boston, Mass	
Del	Morris F Taylor Co ..... 275 Bryn Mawr Ave, Lansdowne, Pa	
DC	Morris F Taylor Co ..... 3601 Adams Dr, Silver Spring, Md	
Fla	Morris F Taylor Co ..... 4304 Corona St, Tampa, Fla	
Ga	Morris F Taylor Co ..... 2396 Connally Dr, East Point, Ga	
Idaho	Gordon Moss Electronics Inc ..... 1530-13th Ave, Greeley, Colo	
Ill	Collins-Havercamp Associates ..... 6857 N. Main St, Kansas City, Mo	
Ill	Levin-Sacks & Associates ..... 2535 W. Peterson Ave,Chicago, Ill	
Ind	Hoenig Sales Co ..... Butler Ct, Ft. Wayne, Ind	
Iowa	Collins-Havercamp Associates ..... 6857 N. Main St, Kansas City, Mo	
Kan	Collins-Havercamp Associates ..... 6857 N. Main St, Kansas City, Mo	
Ky	Hoenig Sales Co ..... Butler Ct, Ft.Wayne, Ind	
La	Berthold Sales Co ..... 4411 Maple Ave, Dallas, Tex	
Me	Charles Segel Co ..... 1262 Commonwealth Ave, Boston, Mass	
Md	Morris F Taylor Co ..... 3601 Adams Dr, Silver Spring, Md	
Mass	Charles Segel Co ..... 1262 Commonwealth, Boston, Mass	
Mich	Flora Bros ..... Territorial at Ridgewood, Plymouth, Mich	
Minn	Marvin Kirkeby Co ..... 204 Sunny Ridge Ln, Minneapolis, Minn	
Miss	LeRoy Massey ..... 304 E. Jefferson St, Greenwood, Miss	
Mo	Collins-Havercamp Associates ..... 6857 N. Main St, Kansas City, Mo	
Mont	M K Widdekind Co ..... 222-1st Ave, Seattle, Wash	
Neb	Gordon Moss Electronics Inc ..... 1530-13th Ave, Greeley, Colo	
Nev	E W Brandt Co ..... 1122 Folsom St, San Francisco, Cal	
NH	Charles Segel Co ..... 1262 Commonwealth, Boston, Mass	
NJ	Morris F Taylor Co ..... 275 Bryn Mawr Ave, Lansdowne, Pa	
NJ	Richard Moses ..... 286 Corbin Pl, Brooklyn, NY	
NM	Verne Linsley ..... 2902 W. Villa St, Phoenix, Ariz	
NY	Richard Moses ..... 286 Corbin Pl, Brooklyn, NY	
NY	Paston-Hunter Co ..... 3307 Erie Blvd, E., Syracuse, NY	
NC	Morris F Taylor Co ..... 1224 Dresden Dr, W., Charlotte, NC	
ND	Marvin Kirkeby Co ..... 204 Sunnyridge Ln, Minneapolis, Minn	
Ohio	Mike Roth Sales Co ..... 13947 Cedar Rd, Cleveland, Ohio	
Okla	Berthold Sales Co ..... 4411 Maple Ave, Dallas, Tex	
Ore	M K Widdekind Co ..... 222-1st Ave, N., Seattle, Wash	
Pa	M F Taylor Co ..... 275 Bryn Mawr Ave, Lansdowne, Pa	
RI	Charles Segel Co ..... 1262 Commonwealth, Boston, Mass	
SC	Morris F Taylor Co ..... 1224 Dresden Dr, W., Charlotte, NC	
SD	Marvin Kirkeby Co ..... 204 Sunnyridge Ln, Minneapolis, Minn	
Tenn	LeRoy Massey ..... 304 E. Jefferson St, Greenwood, Miss	
Tex	Berthold Sales Co ..... 4411 Maple Ave, Dallas, Tex	
Utah	Gordon Moss Electronics Inc ..... 1530-13th Ave, Greeley, Colo	
Vt	Charles Segel Co ..... 1262 Commonwealth, Boston, Mass	
Va	Morris F Taylor Co ..... 3601 Adams Dr, Silver Spring, Md	
Wash	M K Widdekind Co ..... 222-1st Ave, N., Seattle, Wash	
W Va	Mike Roth Sales Co ..... 13947 Cedar Rd, Cleveland, Ohio	
Wisc	Levin-Sacks & Associates ..... 2539 W. Peterson Ave, Chicago, Ill	
Wisc	Marvin Kirkeby Co ..... 204 Sunnyridge Ln, Minneapolis, Minn	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wyo	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	
	FANSTEEL METALLURGICAL CORP	**2200 N. Sheridan, N. Chicago, Ill**	**DE6-4900**
Ala	Roy Attaway	528 N. McDonough St, Decatur, Ga	DR7-8943
Alaska	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
Ariz	Fansteel Metallurgical Corp	1015 Hope St, S. Pasadena, Cal	MU2-2125
Cal	Fansteel Metallurgical Corp	1015 Hope St, S. Pasadena, Cal	MU2-2125
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Cal	Westates Electronics Corp	11334 W. Playa St, Culver City, Cal	EX1-6201
Colo	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Conn	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7880
Del	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
DC	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
Fla	W Ben Wimberly	532 S. Ft. Harrison Ave, Clearwater, Fla	CL3-7072
Ga	Roy Attaway	528 N. McDonough St, Decatur, Ga	DR7-8943
Idaho	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Ill	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Ind	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Iowa	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Iowa	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Kan	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Ky	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Me	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
Md	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
Mass	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
Mich	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Mich	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Mich	Fansteel Metallurgical Corp	11750 Shaker Blvd, Cleveland 20, Ohio	SK2-2900
Minn	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Miss	Roy Attaway	528 N. McDonough St, Decatur, Ga	DR7-8943
Mo	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Mont	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Neb	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
NH	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
NJ	Fansteel Metallurgical Corp	214 Main St, Hackensack, NJ	DI2-2878
NJ	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
NM	Fansteel Metallurgical Corp	1015 Hope St, S. Pasadena, Cal	MU2-2125
NY	Eastern Radio Corp	312 Clifton Ave, Clifton, NJ	GR1-6600
NY	Fansteel Metallurgical Corp	214 Main St, Hackensack, NJ	DI2-2878
NY	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
NC	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
ND	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Ohio	Fansteel Metallurgical Corp	11750 Shaker Blvd, Cleveland 20, Ohio	SK2-2900
Ohio	Fansteel Metallurgical Corp	3304 N. Harlem Ave, Chicago 34, Ill	TU9-3200
Okla	Dale Hjort	9745A Hines Blvd, Dallas 20, Tex	FL2-4038
Ore	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
Pa	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
Pa	Fansteel Metallurgical Corp	11750 Shaker Blvd, Cleveland 20, Ohio	SK2-2900
RI	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
SC	Roy Attaway	528 N. McDonough St, Decatur, Ga	DR7-8943
SD	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Tenn	Roy Attaway	528 N. McDonough St, Decatur, Ga	DR7-8943
Tex	Dale Hjort	9745A Hines Blvd, Dallas 20, Tex	FL2-4038
Utah	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Vt	Fansteel Metallurgical Corp	339 Auburn St, Auburndale 66, Mass	DE2-7800
Va	Fansteel Metallurgical Corp	Washington Ln, Jenkintown, Pa	TU4-2333
Wash	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
W. Va	Fansteel Metallurgical Corp	11750 Shaker Blvd, Cleveland 20, Ohio	SK2-2900
Wisc	Fansteel Metallurgical Corp	2919 W. Forest Home Ave, Milwaukee, Wisc	OR2-4091
Wyo	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Canada	J R G McVity & Co	31 Rosedale Rd, Toronto 5, Ont, Canada	WA1-2051
Canada	Aviation Electric Pacific Ltd	Vancouver A M F, B C, Canada	
	FARLEY & LOETSCHER MFG CO PLASTICS DIV	**7th & White Sts, Dubuque, Iowa**	**3-5451**
Ala	O M Price Jr	1026 N. 19th St, Birmingham 1, Ala	FA2-1028
Cal	Plastic Center Co	186 S. Alvarado, Los Angeles 57, Cal	DU1-3053
Ga	William L Johnston	1427 Candler Bldg, Atlanta 3, Ga	MU8-5650
Ill	Albert J Cox Co	565 W. Washington St, Chicago 6, Ill	FR2-1945
Mo	Thomas B Moore & Co	Rt 2 Barrett Sta Rd, Manchester, Mo	
Ohio	Richard A Koozer & Co	15 N. Mulberry St, Mansfield, Ohio	LA5-0034
Ohio	Robert W Bugie Sales Co	1179 Gilbert Ave, Cincinnati 2, Ohio	PA1-2258
Pa	R J O'Brien	Commercial Trust Bldg, Phila 2, Pa	LO3-9260
Tenn	John A Austin	P.O. Box 5751, Crosstown, Memphis 4, Tenn	
	FARMER ELECTRIC PRODUCTS CO., INC	**2300 Washington St, Newton Lower Falls 62, Mass**	**DE2-8383**
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	
Cal	Claude C Frantz Co	701 S. Gramercy Dr, Los Angeles 5, Cal	
Cal	Steven Enterprises	336 Redwood Ave, Unit 6, Redwood City, Cal	
Conn	Albert Bahrt	991 Pleasant St, East Weymouth, Mass	
Conn	White Sales Co	945 Great Plain Ave, Needham, Mass	
Del	Victor S Malta	801 Preston Ave, Philadelphia 18, Pa	
DC	Leo T McCourt Co	610 Washington Ave, Towson 4, Md	
Ill	Edward C Hajduk	5150 N. Mulligan St, Chicago 30, Ill	
Ind	Edward C Hajduk	5150 N. Mulligan St, Chicago 30, Ill	
Ind	B C Engineering	6900 Silverton Ave, Cincinnati 36, Ohio	
Ky	B C Engineering	6900 Silverton Ave, Cincinnati 36, Ohio	
Me	Albert Bahrt	991 Pleasant St, Weymouth, Mass	
Md	Leo T McCourt Co	610 Washington Ave, Towson 4, Md	
Mass	White Sales Co	945 Great Plain Ave, Needham, Mass	
Mass	Albert Bahrt	991 Pleasant St, Weymouth, Mass	
Mo	Winslow Design & Sales Co	106 W. Madison Ave, Kirkwood 22, Mo	
NH	Albert Bahrt	991 Pleasant St, E. Weymouth, Mass	
NJ	Victor S Malta Co	801 Preston Ave, Philadelphia, Pa	
NJ	Jack Miller	1 Continental Ave, Forest Hills 75, NY	
NY	Jack Miller	1 Continental Ave, Forest Hills 75, NY	
Ohio	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Heights 24, Ohio	
Ohio	B-C Engineering Co	6900 Silverton Ave, Cincinnati 36, Ohio	
Ore	G M Gillett	19690 19th N.E., Seattle 55, Wash	
Pa	Edmund C. Frost & Co	1545 Chelmsford Rd, Mayfield Heights 24, Ohio	
Pa	Victor S. Malta Co	801 Preston Ave, Philadelphia 18, Pa	
Pa	John T Fuhrman	6822 Thomas Blvd, Pittsburgh 8, Pa	
RI	Albert Bahrt	991 Pleasant St, E., Weymouth, Mass	
RI	White Sales Co	945 Great Plain Ave, Needham, Mass	
Tex	Circle Industries	P.O. Box 25064, Houston 5, Tex	
Va	Leo T McCourt Co	610 Washington Ave, Towson, Baltimore 4, Md	
Wash	G M Gillett	19690 19th N.E., Seattle 55, Wash	
W.Va	John T Fuhrman	6822 Thomas Blvd, Pittsburgh 8, Pa	
	FARR CO	**Box 90187, Airport Sta, L A 45, Cal**	**OR8-3873**
DC	Farr Co	1101 K St, N.W., Washington 5, DC	DI7-7606
Ill	Farr Co	5423 W. Belmont Ave, Chicago 41, Ill	MU5-5770
Mass	Farr Co	233 Harvard St, Brookline 46, Mass	BE2-8200
NY	Farr Co	625 Eighth Ave, New York 18, NY	PE6-7070
	FARRALL INSTRUMENT CO	**Box 650, Grand Island, Neb**	**DU4-1530**
	FARRAND OPTICAL CO., INC	**Bronx Blvd at 238th St, New York 70, NY**	**FA4-2200**
	FARRELLOY CO	**1245 N. 26 St, Philadelphia, Pa**	**PO3-2124**
	FARWELL METAL FABRICATING	**87 W. Fairfield Ave, St. Paul 7, Minn**	**CA4-5318**
	FASCO INDUSTRIES INC	**255 N. Union, Rochester 2, NY**	**HA6-1800**
Cal	Joseph Nolan	400 S. Hiatt St, LaHabra, Cal	
Ill	David Mathews	5306 W. Lawrence Ave, Chicago 30, Ill	
Mo	Paul Reid	1110 S. Brentwood Blvd, St. Louis 17, Mo	
NY	Robert Robinson	420 Lexington Ave, New York 17, NY	
Ohio	Wm MacDougall	333 Salem Ave, Dayton 6, Ohio	
Tex	Edward Waffle	4924 Greenville Ave, Dallas 6, Tex	
	FAST & CO., JOHN E	**3596 N. Elston Ave, Chicago 18, Ill**	**JU8-2715**
Ariz	Sheffer-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL8-7893
Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills	OL2-5616
Colo	C F L Co	1871 S. Broadway, Denver, Colo	SP7-4381
Conn	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
DC	Hopkin Brothers Inc	120 N. 7th St, Philadelphia 6, Pa	WA5-8367
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ind	Quelsser Brothers	110 E. 9th St, Indianapolis, Ind	ME5-2458
Iowa	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Kan	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Me	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
Md	Hopkin Brothers Inc	120 N. 7th St, Philadelphia 6, Pa	WA5-8367
Mich	Jim Morrow Sales	13149 Hamilton Ave, Highland Park 3	TO5-7600
Minn	Honkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
Mo	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Neb	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
NH	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
NJ	Leo Freed & Co	420 Lexington Ave, New York 17, NY	LE2-4771
NM	Sheffer-Kahn Co	240 S. 1st Ave, Phoenix, Ariz	AL8-7893
NY	Leo Freed & Co	420 Lexington Ave, New York 17, NY	LE2-4771
Ohio	Herger-Fairfield Co	1812 Columbus Rd, Cleveland 13, Ohio	CH1-1018
Pa	Hopkin Brothers Inc	120 N. 7th St, Philadelphia 6, Pa	WA5-8367
RI	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Utah	C F L Co	1871 S. Broadway, Denver, Colo	SP7-4381
Vt	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
Wisc	Honkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
Wyo	C F L Co	1871 S. Broadway, Denver, Colo	SP7-4381
	FASTENERS INC	**198 Columbus Ave, Pittsfield, Mass**	**HI3-9105**
	FASTEX DIV ILLINOIS TOOL WKS	**195 Algonquin Rd, Des Plaines, Ill**	**VA7-2121**
	FEAY CO NEAL	**133 La Petera Rd, Goleta, Cal**	
Cal	Ellenje' Co	345 California St, Palo Alto, Cal	DA6-1655
	FECKER INC., J W	**6592 Hamilton Ave, Pittsburgh 6, Pa**	**EM1-7617**
Cal	J W Fecker Div American Optical Co	143 Cole Pl, Los Angeles 28, Cal	HO3-4161
Md	American Optical Co	7961 Eastern Ave, Silver Spring, Md	JU5-3681
NY	American Optical Co	155 E. 44 St, New York 17, NY	MU7-4070
	FEDERAL ELECTRONIC PRODUCTS INC	**1380 Pompton Ave, Cedar Grove, NJ**	**CL6-1600**
Cal	Cassimus Co	651 Folsom St, San Francisco, Cal	GA1-5941
Cal	Cassimus Co	2703 W. Valley Blvd, Alhambra, Cal	CU3-6605
Wash	Cassimus Co	Bigelow Bldg, Seattle, Wash	MA4-2373
Foreign	Arnaldo Cavallari	Via Mascarella N 118, Bologna, Italy	
	FEDERAL PACIFIC ELECTRIC CO	**Fifty Ave L, Newark, NJ**	**MA3-8520**
Ala	Federal Pacific Electric Co	2603A 19th Pl, S., Birmingham 8, Ala	TR9-8692
Alaska	Federal Pacific Electric Co	5835 3rd St, San Francisco, Cal	AT2-0807
Ariz	Federal Pacific Electric Co	3333 San Fernando Rd, Los Angeles, Cal	CL7-8144
Ark	Federal Pacific Electric Co	4444 Clayton Ave, St. Louis 10, Mo	JE3-4800
Cal	G B Miller Co	1550 N. Highland, Hollywood 28, Cal	HO2-1195
Cal	G B Miller Co	1334 Old Country Rd, Belmont, Cal	LY1-0365
Colo	Federal Pacific Electric Co	5835 3rd St, San Francisco, Cal	AT2-0807
Conn	Federal Pacific Electric Co	530 Sylas Deane Hwy, Wethersfield 9	JA9-8254
Del	Pacent Engineering Co	119 E. Butler Ave, Ambler, Pa	MI6-0405
DC	Commercial Engineering Co	1627 K St, N.W., Washington, DC	NA8-9238
Fla	Federal Pacific Electric Co	5745 Peachtree Ind Blvd, Chamblee, Ga	GL7-8266
Ga	Federal Pacific Electric Co	5745 Peachtree Ind Blvd, Chamblee, Ga	GL7-8266
Hawaii	Federal Pacific Electric Co	3333 San Fernando Rd, Los Angeles, Cal	CL7-8144
Idaho	Federal Pacific Electric Co	5835 3rd St, San Francisco, Cal	AT2-0807
Ill	Federal Pacific Electric Co	2001 Elston Ave, Chicago, Ill	GR5-2829
Ind	Federal Pacific Electric Co	1635 N. Gent St, Indianapolis, Ind	ME6-2454
Iowa	Deco Engineering Products	1112 Locust St, Des Moines 7, Iowa	AT8-5721
Kan	The Gaines Co	435 Westport Rd, Kansas City 9, Mo	WE1-5734
Ky	Federal Pacific Electric Co	1617 Bardstown Rd, Louisville 5, Ky	GL1-4844
La	Federal Pacific Electric Co	907 Broad St, New Orleans, La	EX4169
Me	Federal Pacific Electric Co	354 Congress St, Boston, Mass	HU2-4855
Md	Commercial Engineering Co	1627 K St, N.W., Washington 6, DC	NA8-9238
Mass	Pacent Welling Inc	20 Providence St, Boston, Mass	HA6-2248
Mich	Federal Pacific Electric Co	16242 Wyoming Ave, Detroit 24, Mich	DI1-6262
Minn	Federal Pacific Electric Co	111 E. 16th St, Minneapolis 3, Minn	FE5-5060
Miss	Federal Pacific Electric Co	901 Regal Row, Dallas, Tex	FL7-4021
Mo	The Gaines Co	435 Westport Rd, Kansas City, Mo	WE1-5734
Neb	Deco Engineering Products	112 Locust St, Des Moines, Iowa	AT8-5721
Mont	Federal Pacific Electric Co	5815 3rd St, San Francisco 24, Cal	AT2-0807
Nev	Federal Pacific Electric Co	5815 3rd St, San Francisco, Cal	AT2-0807
NH	Pacent Welling Inc	20 Providence St, Boston, Mass	HA6-2248
NM	Federal Pacific Electric Co	3333 San Fernando Rd, Los Angeles, Cal	CL7-8144
NY	E J Robinson Associates	546 Niagara St, Buffalo, NY	SU7350
NY	Carse Electric Co	1044 Broadway, Albany, NY	62-5364
NY	Pacent Engineering Corp	300 Northern Blvd, Great Neck, NY	MU3-1586
NY	Kahant Associates	11 Park Pl, New York 7, NY	CO7-5326
NY	E J Robinson Associates	526 Robineau Rd, Syracuse, NY	GR8-2241
NC	J L Highsmith Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
ND	Federal Pacific Electric Co	2001 Elston Ave, Chicago 14, Ill	HU6-5420
Ohio	Federal Pacific Electric Co	4145 E. 79th St, Cleveland, Ohio	DI1-0050
Okla	Federal Pacific Electric Co	P.O. Box 3916, Oklahoma City, Okla	VI3-4090
Ore	Federal Pacific Electric Co	338 N. State St, Portland, Ore	NE6-4573
Pa	Pacent Engineering Corp	119 E. Butler Ave, Ambler, Pa	MI6-0405
RI	Pacent Welling Inc	20 Providence St, Boston, Mass	HA6-2248
SC	J L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
SD	Federal Pacific Electric Co	2001 Elston Ave, Chicago 14, Ill	HU6-5420
Tenn	Federal Pacific Electric Co	2790 Springhill Rd, Knoxville, Tenn	3-8619
Tex	Federal Pacific Electric Co	901 Regal Row, Dallas, Tex	FL7-4021
Utah	Federal Pacific Electric Co	5815 3rd St, San Francisco 24, Cal	AT2-0807
Vt	Pacent Welling Inc	20 Providence St, Boston, Mass	HA6-2248
Va	Commercial Engineering Co	1627 K St, N.W., Washington 6, DC	NA8-9238
Va	J L Highsmith Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Wash	J C McDougall	520 1st Ave, S., Seattle 4, Wash	MA7667
W. Va	Federal Pacific Electric Co	4145 E. 79th St, Cleveland, Ohio	DI1-0050
Wisc	Federal Pacific Electric Co	4385 N. Green Bay Ave, Milwaukee 9	FR4-4500
Wyo	Federal Pacific Electric Co	4444 Clayton Ave, St. Louis 10, Mo	JE3-4800
Canada	John S Plewes Co	52 Humberest Blvd, Toronto 9, Ont, Can	RO9-2051
	FEDERAL SCREW PRODUCTS INC	**3917 N. Kedzie Ave, Chicago 18, Ill**	**IR8-5744**
Cal	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	
Cal	F W Moulthrop Co	575 - 10th St, San Francisco 3, Cal	
Del	L D Shiplett	8513 Carroll Ave, Silver Spring, Md	
DC	L D Shiplett	8513 Carroll Ave, Silver Spring, Md	
	FEDERAL TOOL ENGINEERING INC	**1386 Pompton Ave, Cedar Grove, NJ**	**CL6-5300**
Cal	Cassimus Co	2703 W. Valley Blvd, Alhambra, Cal	CU3-6605
Cal	Cassimus Co	651 Folsom St, San Francisco 7, Cal	GA1-5941
Fla	C G Notley & Co., Inc	1209 Johnston Bldg, Charlotte, NC	FR6-6504
Ill	Stanco Welder & Machinery Co	9 S. Clinton St, Chicago 6, Ill	
Ind	Central States Machinery Co., Inc	824 E., 38th St, Indianapolis 5, Ind	
Md	C W Middlestead Co	12 N Carey St, Baltimore, Md	PL2-7899
Mich	Kilpatrick & Martin	616 Palister Ave, Detroit 2, Mich	TR3-1400
Ohio	H L McCreery & Son	3567 E. 49th St, Cleveland 5, Ohio	BR1-1100
Pa	C W Middlestead Co	53 Long Ln, Upper Darby, Pa	GR2-2092
Canada	Weld-O-Matic Machines Ltd	519 Parkdale Ave N., Sta C, Hamilton, On	LY9-6579
	FEDERAL TOOL & MFG CO	**3600 Alabama Ave, Minneapolis 16, Minn**	**WE9-7843**
Ala	J J Keras	6566 Rolling Fork Dr, Nashville, Tenn	CY7-3689
Ariz	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Ark	Crandall-Ricker Sales Corp	1169 Paul Brown Bldg, St. Louis 1, Mo	CE1-0778
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Cal	Weightman & Associates	1436 Elcamino Real, Menlo Park, Cal	DA6-3797
Colo	Geo T Cook Co	304 Midland Bldg, Kansas City 5, Mo	VI2-9678
Conn	Charles B Webster	57 N. Washington, Plainville, Conn	SH7-2787
Del	Towle & Son	402 Bethlehem Pike, Philadelphia, Pa	CH8-3233
DC	Towle & Son	402 Bethlehem Pike, Philadelphia, Pa	CH8-3233
Fla	A E Scriven	P.O.Box 5441, Sarasota, Fla	RI6-8209
Ga	A E Scriven	P.O.Box 5441, Sarasota, Fla	RI6-8209
Ill	Field & Associates	15 S. Austin Blvd, Chicago 44, Ill	MA6-2421
Ind	A D Moore	Ch of Commerce Bldg, Indpls, Ind	ME4-6331
Iowa	C W Crossen	Kahl Bldg, Davenport, Iowa	DA7-9351
Kan	Geo T Cook Co	304 Midland Bldg, Kansas City, Mo	VI2-9678
Ky	Henry M Wood Co	920 E. McMillan St, Cincinnati, Ohio	AV1-1136
Me	Charles B Webster	57 N. Washington St, Plainville, Conn	SH7-2787
Md	Towle & Son	402 Bethlehem Pike, Philadelphia 18, Pa	CH8-3233
Mass	Charles B Webster	57 N. Washington St, Plainville, Conn	SH7-2787
Mich	Gay Hall Sales	10432 W. McNichols, Detroit 21, Mich	UN4-1368
Mich	Industrial Specialties Co	300 Mt. Lebanon Blvd, Pittsburgh, Pa	FI1-4000
Minn	McGee Engineering Co	2016 N. Herschell, St. Paul 13, Minn	MI4-2767
Miss	J J Keras	6566 Rolling Ford Dr, Nashville, Tenn	CY7-3689
Mo	George T Cook Co	304 Midland Bldg, Kansas City 5, Mo	VI2-9678
Neb	George & Cook Co	304 Midland Bldg, Kansas City 5, Mo	VI2-9678
NH	Charles B Webster	57 N. Washington St, Plainville, Conn	SH7-2787
NJ	Towle & Son	402 Bethlehem Pike, Philadelphia 18, Pa	CH8-3233
NY	Mechanical Sales Corp	45 N. Sta. Plaza, Great Neck, NJ	HU7-2200
NY	Gilbert L Barber	703 Temple Bldg, Rochester, NY	HA5514
NC	A E Scriven	P.O.Box 920, Hendersonville, NC	OX2-2329
Ohio	DCO Volente & Associates	628 Clifton Blvd, Toledo 7, Ohio	JE6-1191
Okla	George T Cook Co	304 Midland Bldg, Kansas City 5, Mo	VI2-9678
Pa	Towle & Son	402 Bethlehem Pike, Philadelphia 18, Pa	CH8-3233
Pa	Industrial Specialties Co	300 Mt. Lebanon Blvd, Pittsburgh, Pa	FI1-4000
RI	Charles B Webster	57 N. Washington St, Plainville, Conn	SH7-2787
SC	A E Scriven	P.O.Box 920, Hendersonville, NC	OX2-2329
Tenn	J J Keras	6566 Rolling Fork Dr, Nashville 5, Tenn	CY7-3689
Vt	Charles B Webster	57 N. Washington St, Plainville, Conn	SH7-2787
Va	Towle & Son	402 Bethlehem Pike, Philadelphia 18, Pa	CH8-3233
W. Va	Industrial Specialties Co	300 Mt. Lebanon Blvd, Pittsburgh, Pa	FI1-4000
Wisc	William Schaller	5200 N. Santa Monica Blvd, Milw 17, Wisc	BR1-2128
	FEDTRO INC	**Fed Electr Bldg, Rockville Centre, NY**	**RO6-1435**
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	
	FEEDBACK CONTROLS INC	**8 Erie Dr, Natick, Mass**	**OL3-3441**
Cal	Hamilton Electro Sales	12308 Wilshire Blvd, Los Angeles 25, Cal	EX3-0441
Cal	William Theisner & Co	405 S. Sunnyvale, Sunnyvale, Cal	RE9-6460
Conn	Eltron Engineering Sales Inc	2345 Whitney Ave, Hamden, Conn	AT8-9276
DC	Stuart W Mount	1011 National Press Bldg, Wash 4, DC	ME8-0221
Ill	Lightnes Associates	6322 N. Milwaukee Ave Chicago 46, Ill	SP4-1500
Kan	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
NJ	Jules Bressler & Co	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Naylor Electric Co	1718 Erie Blvd E., Syracuse 3, NY	GR2-9183
Tex	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Canada	UN6-7367
	FEILER ENGINEERING & MFG CO	**8026 N. Monticello Ave, Skokie, Ill**	**CO7-8280**
	FEINER & SONS., P	**524 W. 45 St, New York, NY**	**PL7-6150**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	FELKER MFG CO 1128 Border Ave, Torrance, Cal	
DC	Arthur I Robertson Co	1108 9th St, N.W., Washington 1, DC
NJ	Falcone Engineering Inc	487 Orange St, Newark 7, NJ
Pa	Abrasive Cutting & Engineering Inc	110 S. Keswick, Glenside, Pa
	FELT PRODUCTS MFG CO 7450 N. McCormick Blvd, Skokie, Ill	RO1-4500
Cal	L E Batcheller Co	1515 S. Grand Ave, Los Angeles 15, Cal
	FELTERS CO 210 South St, Boston 11, Mass	LI2-7021
Cal	Acorn Mfg Co	2517 E. Imperial Hwy, Los Angeles, Cal
Cal	Taylor Felt & Supply Co	718 Mission St, San Francisco 3, Cal
Ill	The Felters Co	4945 W. Belmont Ave, Chicago 41, Ill
Mich	The Felters Co	8-252 General Motors Bldg, Detroit 2, Mich
Mo	The Felters Co	1602 Locust St, St. Louis 3, Mo
NY	The Felters Co	350 Fifth Ave, New York 1, NY
Pa	The Felters Co	428 McClatchy Bldg, Upper Darby, Pa
	FENSKE FEDRICK & MILLER 12820 Panama St, Los Angeles, Cal	EX8-5793
DC	Temco Aircraft	1625 Eye St, N.W., Washington, DC
	FEN-TONE CORP 106 Fifth Ave, New York 11, NY	
	FENWAL ELECTRONICS INC 51 Mellen St, Framingham, Mass	TR3-7455
Ala	Specialized Equipment Corp	10 N. Atlantic Ave, Cocoa Beach, Fla
Alaska	Seatronics Inc	1817 Norman St, Seattle 44, Wash
Ariz	The Carl E Holmes Co	107 North Ave 64, Los Angeles, Cal
Ark	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex
Cal	The Carl E Holmes Co	107 North Ave 64, Los Angeles, Cal
Cal	The Carl E Holmes Co c/o McKnight Co	1436 El Camino Real, Menlo Park, Cal
Colo	Electronic Component Sales Inc	2149 S. Claremont St, Denver 22, Colo
Conn	Hathaway Electronics Inc	Ducillo Bldg, Canaan, Conn
Del	CDB Enterprises	1403 Arnold Ave, Roslyn, Pa
DC	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson 4, Md
Fla	Specialized Equipment Corp	10 N. Atlantic Ave, Cocoa Beach, Fla
Ga	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga
Idaho	Electronic Component Sales Inc	544 E. 4800 S., Salt Lake City, Utah
Idaho	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho
Ill	Midwest Electronic Sales	3800 W. North Ave, Chicago 47, Ill
Ill	W E Fry & Co., Inc	6616 W. Florissant, St. Louis 8, Mo
Ill	Volco Co	512 Kahl Ave, Davenport, Iowa
Ind	Midwest Electronic Sales	3800 W. North Ave, Chicago 47, Ill
Iowa	Volco Co	512 Kahl Ave, Davenport, Iowa
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo
Ky	Earl W Schenck Associates	38 1/2 N. State St, Westerville, Ohio
La	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex
Me	Hathaway Electronics Inc	238 Main St, Cambridge, Mass
Md	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson 4, Md
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass
Mich	Gordon Hatch Co., Inc	531 W. Wisconsin Ave, Milwaukee 3, Wisc
Mich	Earl W Schenck Associates	2530 Maplewood Dr, Grand Rapids, Mich
Mich	Volco Co	[illegible]
Minn	Volco Co	512 Kahl Bldg, Davenport, Iowa
Miss	Specialized Equipment Corp	10 N. Atlantic Ave, Cocoa Beach, Fla
Mo	W E Fry & Co., Inc	6616 W. Florissant, St. Louis 8, Mo
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo
Mont	Seatronics Inc	1817 Norman St, Seattle 44, Wash
Neb	Volco Co	512 Kahl Bldg, Davenport, Iowa
Neb	Electronic Component Sales Inc	3321 San Pedro, N.E., Albuquerque, NM
Nev	The Carl E Holmes Co	107 North Ave 64, Los Angeles, Cal
Nev	The Carl E Holmes Co	1436 El Camino Real, Menlo Park, Cal
NH	Hathaway Electronics Inc	238 Main St, Cambridge, Mass
NJ	CDB Enterprises	501 Broadway Ave, Hicksville, NY
NM	Electronic Component Sales Inc	3321 San Pedro Dr, N.E. Albuquerque, NM
NY	Carse Electric Corp	1044 Broadway, Albany 4, NY
NY	CDB Enterprises	501 Broadway Ave, Hicksville, NY
NY	Naylor Electric Co	1718 Erie Blvd, E., Syracuse 3, NY
NC	W K Hile Co	1236 E. Morehead St, Charlotte 7, NC
ND	Volco Co	512 Kahl Bldg, Davenport, Iowa
Ohio	Earl W Schenck Associates	38 1/2 N. State St, Westerville, Ohio
Okla	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex
Ore	Seatronics Inc	1817 Norman St, Seattle 44, Wash
Pa	CDB Enterprises	1403 Arnold Ave, Roslyn, Pa
Pa	Earl W Schenck Associates	38 1/2 N. State St, Westerville, Ohio
RI	Hathaway Electronics Inc	238 Main St, Cambridge, Mass
SC	W K Hile Co	1236 E. Morehead St, Charlotte 7, NC
SD	Volco Co	512 Kahl Bldg, Davenport, Iowa
Tenn	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga
Tex	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex
Utah	Electronic Component Sales Inc	544 E. 4800 S., Salt Lake City, Utah
Vt	Carse Electric Corp	1044 Broadway, Albany, NY
Va	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson 4, Md
Va	W K Hile Co	1236 E. Morehead St, Charlotte 7, NC
Wash	Seatronics Inc	1817 Norman St, Seattle 44, Wash
Wisc	Gordon Hatch Co	531 W. Wisconsin Ave, Milwaukee, Wisc
Wisc	Volco Co	512 Kahl Bldg, Davenport, Iowa
Wyo	Electronic Component Sales Inc	2149 S. Claremont St, Denver 22, Colo
Foreign	Frathom Co., Inc	33 W. 42nd St, New York 36, NY
	FENWAL INC Pleasant St, Ashland, Mass	TR5-6111
Ala	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga
Alaska	J C McDougall Co	520 First Ave, S., Seattle 4, Wash
Ariz	Fenwal Incorporated	111 S. Burlington Ave, Los Angeles 57, Cal
Ark	Paul King Co	826 N. Fulton, Tulsa 15, Okla
Cal	Fenwal Incorporated	111 S. Burlington Ave, Los Angeles 57, Cal
Cal	Bellflow Co	420 Market St, San Francisco 11, Cal
Colo	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
Conn	Masten-Wright Corp	2311 Whitney Ave, Hamden, Conn
Del	J V Calhoun Co	349 Montgomery Ave, Bala-Cynwyd, Pa
DC	Donald E Snowdon	Shoreham Bldg, Washington 6, DC
Fla	J J Galleher	617 Cleveland St, Clearwater, Fla
Fla	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga
Ga	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga
Idaho	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
Idaho	J C McDougall Co	520 First Ave, S., Seattle 4, Wash
Ill	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Ill	Fenwal Inc	6525 W. North Ave, Oak Park, Ill
Ill	C B Fall Co	317 N. 11th St, St. Louis 1, Mo
Ind	Fenwal Inc	6525 W. North Ave, Oak Park, Ill

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ind	Couchman-Conant Inc	1400 N. Illinois St, Indianapolis, Ind
Iowa	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Kan	C B Fall Co	11201 Longview Rd, Hickman Mills, Mo
Ky	Smysor Co., The	1046 Delta Ave, Cincinnati 8, Ohio
La	J P Maguire Co	3144 Paris Ave, New Orleans 19, La
Me	Fenwal Inc	P.O.Box 126, Framingham, Mass
Md	T H Closs Co	21 W. Pennsylvania Ave, Towson 4, Md
Md	E E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa
Mass	Carse Electric Corp	1044 Broadway, Albany 4, NY
Mass	Masten-Wright Corp	2311 Whitney Ave, Hamden, Conn
Mass	Fenwal Inc	P.O.Box 126, Framingham, Mass
Mich	Carman Adams Inc	15760 James Couzens Hwy, Detroit, Mich
Mich	Gordon Hatch Co., Inc	531 W. Wisconsin Ave, Milw 3, Wisc
Minn	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Miss	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga
Mo	C B Fall Co	317 N. 11th St, St. Louis 1, Mo
Mo	C B Fall Co	11201 Longview Rd, Hickman Mills
Mont	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
Neb	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Nev	Bellflow Co	420 Market St, San Francisco 11, Cal
Nev	Fenwal Inc	111 S. Burlington Ave, L A 57, Cal
NH	Fenwal Inc	P.O.Box 126, Framingham, Mass
NJ	J V Calhoun Co	349 Montgomery Ave, Bala-Cynwyd, Pa
NJ	R L Faber & Associates Inc	1246 Broad St, Bloomfield, NJ
NM	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
NY	Carse Electric Co	1044 Broadway, Albany 4, NY
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY
NY	Carlen Representatives	132 Burnet Ave, Syracuse 3, NY
NY	R L Faber & Associates Inc	1246 Broad St, Bloomfield, NJ
NC	William K Hile	1110 E. Morehead St, Charlotte 7, NC
ND	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Ohio	Carman Adams Inc	15760 Jms Couzens Hwy, Detroit, Mich
Ohio	Anderson-Bolds Inc	2012 W. 25th St, Cleveland 13, Ohio
Ohio	Smysor Co., The	1046 Delta Ave, Cincinnati 8, Ohio
Okla	Paul King Co	826 N. Fulton, Tulsa 15, Okla
Ore	J C McDougall Co	520 First Ave, S., Seattle 4, Wash
Pa	J V Calhoun Co	349 Montgomery Ave, Bala-Cynwyd, Pa
Pa	Earl E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa
RI	Fenwal Inc	P.O. Box 126, Framingham, Mass
SC	William K Hile	1110 E. Morehead St, Charlotte 7, NC
SD	Volco Co	830 S. 6th St, Minneapolis 4, Minn
Tenn	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga
Tex	Paul King Co	826 N. Fulton, Tulsa 15, Okla
Tex	Gay Sales Co	420 Sul Ross St, Houston, Tex
Utah	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
Vt	Carse Electric Corp	1044 Broadway, Albany 4, NY
Va	William K Hile	1110 E. Morehead St, Charlotte 7, NC
Va	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson 4, Md
Wash	J C McDougall Co	520 First Ave, S., Seattle 4, Wash
W. Va	Earl E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa
Wisc	Gordon Hatch Co	531 W. Wisconsin Ave, Milwaukee, Wisc
Wisc	Volco Co	831 S. 6th St, Minneapolis 4, Minn
Wyo	E & M Equipment Co	2415 Fifteenth St, Denver 11, Colo
	FERGUSON PERFORATING & WIRE CO 132 Ernest St, Providence, RI	WI1-8876
	FERRANTI ELECTRIC INC 95 Madison Ave, Hempstead, NY	IV3-8244
Ala	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla
Ariz	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal
Cal	Roland Olander & Co	6313 Santa Monica Blvd, Los Angeles
Conn	Test Systems Inc	404 Main St, Wakefield, Mass
Del	North American Engineering Co	733 Fifteenth St. N.W., Washington 5, DC
DC	North American Engineering Co	733 Fifteenth St. N.W., Washington 5, DC
Fla	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla
Ga	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla
Ill	Essanen Co	607 Howard St, Evanston, Ill
Ind	Essanen Co	607 Howard St, Evanston, Ill
Kan	Zak-Cowan & Associates Inc	7739 Carondelet, St. Louis 5, Mo
Me	Test Systems Inc	404 Main St, Wakefield, Mass
Md	North American Engineering Co	733 Fifteenth St. N.W., Washington 5, DC
Mass	Test Systems Inc	404 Main St, Wakefield, Mass
Mich	Essanen Co	607 Howard St, Evanston, Ill
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn
Mo	Zak-Cowan & Associates Inc	7730 Carondelet, St. Louis 5, Mo
NH	Test Systems Inc	404 Main St, Wakefield, Mass
NJ	George Spanos Associates	45 Kincaid Dr, Yonkers, NY
NY	Everett Sales Engineering Co	154 Plandome Rd, Mannasset, NY
NY	R P Kennedy Co	182 Mayflower Dr, Rochester 18, NY
NY	David Launt	Box 184, E. Wood Sta, Syracuse, NY
NC	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio
Ore	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio
Pa	George Spanos Associates	45 Kincaid Dr, Yonkers, NY
RI	Test Systems Inc	404 Main St, Wakefield, Mass
SC	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla
Tenn	J Neal & Co	3931 S. W. 5th Terr, Miami, Fla
Vt	Test Systems Inc	404 Main St, Wakefield, Mass
Va	North American Engineering Co	733 Fifteenth St. N.W., Washington 5, DC
Wash	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal
W. Va	North American Engineering Co	733 Fifteenth St. N.W., Washington 5, DC
Wisc	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn
England	Export Sales Dept Ferranti Ltd	Hollinwood, Lancashire, England
	FERRICORE INC 250 South St, Newark 5, NJ	MI2-6860
Conn	Hazen P Chase	P.O.Box 47, Holyoke, Mass
Ill	Jerry Golten Co	2750 W. North Ave, Chicago, Ill
NY	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ
NY	W A Franklin	2 Standish Terr, Syracuse, NY
Canada	John S Plewes Co	52 Humbercrest Blvd, Toronto 9, Canada
Mexico	Cotesa	Apartado 2250, Mexico 1, Mexico
	FERRIS INSTRUMENT CO 110 Camelia St, Boonton, NJ	DE4-0781
	FERRODYNAMICS CORP Gregg & Rt. 17, Lodi, NJ	DI2-7017
Ala	Paul Hayden Associates	116 W. Nabell, East Point, Ga
Alaska	William R Lanphear Co	3215 Western Ave, Seattle 1, Wash

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ga	Paul Hayden Associates	116 W. Nabell Ave, East Point, Ga
Miss	Paul Hayden Associates	116 W. Nabell Ave, East Point, Ga
NC	Paul Hayden Associates	116 W. Nabell Ave, East Point, Ga
SC	Paul Hayden Associates	116 W. Nabell Ave, East Point, Ga
Tenn	Paul Hayden Associates	116 W. Nabell Ave, East Point, Ga
Wash	William R Lanphear Co	3215 Western Ave, Seattle 1, Wash
	FERRO MAGNETICS CO 989 Commercial, Palo Alto, Cal	DA1-5141
Cal	C W Mauldin	441 W. Calif St, Palo Alto, Cal
Ohio	Servisales	12417 Cedar Rd, Cleveland, Ohio
	FERRO POWDERED METALS INC Box 312E, Salem, Ind	702
Ill	Paul Granquist	9500 W. Ogden Ave, Brookfield, Ill
Kan	D W Gamble	112 W. 23rd St, Pittsburg, Kan
Mass	Associated Engineers Inc	1 Silver St, Agawam, Mass
Mich	R M Richardson Co	650 N. Woodward Ave, Birmingham, Mich
Mo	S K M Engineering Co	2207 Hanley Industrial Ct, St. Louis 17
Ohio	Earl J Steele	1231 Main Ave, Cleveland 13, Ohio
Okla	Paul Lindley	4108 E. 36th Pl, Tulsa, Okla
Pa	Riley & Aleshire	615 Greenwood Ave, Jenkintown, Pa
Tex	C W Lakey	4116 Daley, Fort Worth 18, Tex
Tex	W G Theisinger	P.O. Box 22294, Houston 27, Tex
	FERROTEC INC 217 California St, Newton, Mass	DE2-7600
Ariz	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal
Cal	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn
Del	Brimberg Associates	221 Investment Bldg, Washington 5, DC
DC	Brimberg Associates	221 Investment Bldg, Washington 5, DC
Fla	William R Lehmann Co	P.O. Box 1224, Orlando, Fla
Idaho	S K Dooley Co	3215 Western Ave, Seattle 1, Wash
Ill	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita 18, Kan
Me	Instrument Associates	30 Park Ave, Arlington 70, Mass
Md	Brimberg Associates	221 Investment Bldg, Washington 5, DC
Mass	Instrument Associates	30 Park Ave, Arlington 70, Mass
Mich	M P O'Dell Co	10531 W. McNichols Rd, Detroit 21, Mich
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 30, Mo
Mont	J K Dooley Co	3215 Western Ave, Seattle 1, Wash
Neb	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa
Neb	Engineering Services Co	8325 E. Indianapolis, Wichita 18, Kan
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass
NJ	Hunter & Salsbury Co	87 Broadway, Hicksville, NY
NJ	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa
NM	J E Hachten	8413 Las Tunas Dr, San Gabriel, Cal
NY	D & B Associates	P.O. Box 284, DeWitt, NY
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio
Okla	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Ore	J K Dooley Co	3215 Western Ave, Seattle 1, Wash
Pa	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa
RI	Instrument Associates	734 Asylum Ave, Hartford 5, Conn
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass
Va	Brimberg Associates	221 Investment Bldg, Washington 5, DC
Wash	J K Dooley	3215 Western Ave, Seattle 1, Wash
Foreign	Dage Corp	219 E. 44th St, New York 17, NY
	FERROTRAN ELECTRONICS CO., INC 693 Broadway, New York 12, NY	AL4-5810
Ark	Dick Ballew Sales Co	314 Melrose, El Dorado, Ark
Cal	Featherstone & Salisbury Co	1355 Market St, San Francisco, Cal
Cal	Web Electronic Associates	Box 45734, Westchester Sta, L A, Cal
Colo	Paul P Robbins & Associates	7021 Zuni St, Denver 21, Colo
Md	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md
Mass	Associated Electronics Inc	525 Pleasant St, Worcester 2, Mass
NY	Symins Associates	550 Fifth Ave, New York, NY
Canada	Prime Electronic Compon Ltd	868 Dundas Hwy, E., Dixie, Ont, Canada
	FERROXCUBE CORP OF AMERICA 125 E. Bridge St, Saugerties, NY	CH6-2811
Ala	James Millar Associates	P. O. Box 7116, Sta C, Atlanta, Ga
Ariz	Shephard-Winters Co	7407 Melrose Ave, Los Angeles, Cal
Cal	Wm J Purdy Co	312 Seventh St, San Francisco, Cal
Cal	Shephard-Winters Co	7407 Melrose Ave, Los Angeles, Cal
Conn	W A Made	36 Louis St, Trumbull, Conn
Del	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md
DC	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md
Fla	James Millar Associates	241 Dommerich Dr, Maitland, Fla
Ga	James Millar Associates	P. O. Box 7116, Sta C, Atlanta, Ga
Idaho	Richard Legg Co	3534 Wallingford Ave, Seattle 3, Wash
Ill	Ferroxcube Corp of America	7440 W. North Ave, Elmwood Park, Ill
Ill	Forristal Young Co	4053 Broadway, Kansas City, Mo
Ind	Harrison J Blend Inc	5762 Cadillac Dr, Indianapolis, Ind
Kan	Forristal Young Co	4053 Broadway, Kansas City, Mo
Ky	Harrison J Blend Inc	5762 Cadillac Dr, Indianapolis, Ind
Me	Ray Perron & Co	1870 Centre St, Boston 32, Mass
Md	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md
Mass	Ray Perron & Co	1870 Centre St, Boston 32, Mass
Mich	ABM Sales Co	10115 Puritan Ave, Detroit, Mich
Minn	Jerry Vrbik	419 Third St, S.E., Cedar Rapids, Iowa
Miss	James Millar Associates	Box 7116, Sta C, Atlanta, Ga
Mo	Forristal Young Co	8147 Delmar Blvd, St. Louis 24, Mo
Neb	Forristal Young Co	8147 Delmar Blvd, St. Louis 24, Mo
NH	Ray Perron & Co	1870 Centre St, Boston 32, Mass
NJ	Mel Schwartz Co	39-16 Tierney Pl, Fair Lawn, NJ
NY	E A Ossman & Associates	830 Linden Ave, Rochester, NY
NY	Mel Schwartz Co	39-16 Tierney Pl, Fair Lawn, NJ
NC	James Millar Associates	4023 Arborway, Charlotte, NC
Ohio	Arnold Johnson	7565 Kenwood Rd, Cincinnati 43, Ohio
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 2, Ore
Pa	Robert L Wilkinson Inc	P.O. Box 215, Glenside, Pa
RI	Ray Perron & Co	1870 Centre St, Boston 32, Mass
SC	James Millar Associates	4023 Arborway, Charlotte, NC
SD	Jerry Vrbik	419 Third St, S.E., Cedar Rapids, Iowa
Tenn	James Millar Associates	Box 7116, Sta C, Atlanta, Ga
Vt	Ray Perron & Co	1870 Centre St, Boston 32, Mass
Va	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Wash	Richard Legg Co	3534 Wallingford Ave, Seattle3, Wash	ME6697
W. Va	Arnold Johnson	7565 Kenwood Rd, Cincinnati 43, Ohio	LO8826
Wisc	Ferroxcube Corp of America	7440 W. North Ave, Elmwood Park, Ill	GL3-2494
Canada	Rogers Elec Tubes & Comps	116 Vanderhoof Ave, Toronto 17, Ont, Canada	

FIDELITONE INC — **6415 Ravenswood, Chicago 26, Ill** — **BR4-0075**

FIDELITY AMPLIFIER CO — **1633 N. Halsted St, Chicago 14, Ill** — **MO4-3515**

FIDELTY CHEMICAL PROD CORP — **472 Freylinghuysen Ave, Newark, NJ** — **BI2-4110**

FIDELITY INSTRUMENT CORP — **1000 E. Boundary Ave, York, Pa** — **7675**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Western Automation Inc	653 S. Melrose, Placentia, Cal	LA8-2788
Ill	Stevens Engineering Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-0432
Mich	Ottawa Sales Engineering	53 E. 29th St, Holland 1, Mich	MU33-5177
NY	Fidelity Instrument Corp	31 Collins Rd, Glen Cove, NY	OR6-9220
NY	S E Shea	4548 Main St, Buffalo, NY	CI2243
NY	A F Zissler	3700 East Ave, Rochester 18, NY	LU6-6226
NY	H H Cardoza	217 Montgomery St, Syracuse 2, NY	GR1-6061
Pa	George Ralph	111 N. Olive St, Media, Pa	LO6-6767
Pa	Frank Ralph	P.O. Box 191, Irwin, Pa	UN3-6437

FIELD EMISSION CORP — **210 H. Ford St, McMinnville, Ore** — **12951**

FILM CAPACITORS INC — **3400 Park Ave, New York 56, NY** — **CY2-5180**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Wm Jones Co	1107 Echo Court N., Towson, Md
Ariz	Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal
Ark	Fred Gross & Co	P.O.Box 1926, Dallas 2, Tex
Cal	Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal
Cal	Dailey Associates	509 Pearl St, San Carlos, Cal
Conn	Henry P Segel Co	386 Washington St, Brookline, Mass
Del	Wm Jones Co	1107 Echo Ct, N., Towson, Md
DC	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Fla	Wm Jones Co	711 Magnolia Ave, Orlando, Fla
Ga	Wm Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo
La	Fred Gross & Co	P.O.Box 1926, Dallas 2, Tex
Me	H P Segel Co	386 Washington St, Brookline 46, Mass
Md	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Mass	Henry P Segel Co	386 Washington St, Brookline 46, Mass
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 39, Mo
Nev	Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal
NH	H P Segel Co	386 Washington St, Brookline 46, Mass
NJ	Wm Jones Co	1107 Echo Ct, N., Towson, Md
NJ	Al Denburg	1312 Ditmars Ave, Brooklyn, NY
NY	J P Scanlon	51 Bloomfield Pl, Rochester 20, NY
NY	Al Denburg	1312 Ditmars Ave, Brooklyn, NY
NC	Wm Jones Co	2107 Echo Ct, N., Towson, Md
Ohio	Jay Engineering Co	P.O.Box 175, Sta A, Dayton 3, Ohio
Ohio	Jay Engineering Co	5413 Pearl Rd, Cleveland, Ohio
Ore	Geo W Meeker	414 Vance Bldg, Seattle 1, Wash
Pa	Wm Jones Co	1107 Echo Ct, N., Towson, Md
RI	H P Segel Co	386 Washington St, Brookline 46, Mass
SC	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Tenn	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Tex	Fred Gross & Co	P.O.Box 1926, Dallas 2, Tex
Vt	H P Segel Co	386 Washington St, Brookline 46, Mass
Va	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Wash	Geo W Meeker	414 Vance Bldg, Seattle 1, Wash
W. Va	Wm Jones Co	1107 Echo Ct, N., Towson, Md
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada

FILM RESISTORS INC — **242 Ridgedale Ave, Morristown, NJ** — **JE8-2440**

FILMOHM CORP — **48 W. 25 St, New York 10, NY** — **WA4-6605**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Carter Associates	217 S. Hinton, Scottsdale, Ariz	WH5-3611
Cal	C W Swift Associates	P.O.Box 316, Encino, Cal	ST4-8550
Conn	W B Pray Sales	44 Washington, Wellesley Hills, Mass	CE5-3199
Ind	Callaghan-Bach Inc	2209 Losantville Rd, Cincinnati, Ohio	RE1-8660
Mass	W B Pray Sales	44 Washington, Wellesley Hills, Mass	CE5-3199
NH	W B Pray Sales	44 Washington, Wellesley Hills, Mass	CE5-3199
NM	Carter Associates	217 S. Hinton, Scottsdale, Ariz	WH5-3611
Ohio	Callaghan-Bach Inc	2209 Losantville Rd, Cincinnati, Ohio	RE1-8660
RI	W B Pray Sales	44 Washington, Wellesley Hills, Mass	CE5-3199
Foreign	Microwave International	36 W. 44 St, New York, NY	YU6-2738

FILTORS INC — **30 Sagamore Hill, Pt Washington, NY** — **PO7-8220**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Western Engineering Co	8925 N. 17th Ave, Phoenix, Ariz	WI4-0431
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Cal	Moulthrop & Hunter	165 11th St, San Francisco 3, Cal	UN3-7880
Colo	Western Engineering Co	306 Enterprise Bldg, Denver 2, Colo	AM6-2714
Conn	Near Inc	Box 184, Yalesville, Wallingford, Conn	CO9-8932
Fla	Frank C Nickerson Co	P.O.Box 7913, Orlando, Fla	MI4-4413
Ga	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Ill	Withers Ropek & Cahill Inc	5439 W. Division St, Chicago 51, Ill	AU7-7292
Ind	Delta Sales Inc	2136 E. 52nd St, Indianapolis 5, Ind	CL1-3564
Md	William Drew & Co	1104 Mondawmin Cncrse, Baltimore 15, Md	LA3-7700
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Mich	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Minn	E G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	Wally B Swank	2310 Bellevue Ave, Syracuse 4, NY	GR8-2141
Ohio	Sheridan Associates Inc	Roselawn Cetor Bldg, Cincinnati 37, Ohio	ME1-2460
Ohio	Sheridan Associates Inc	6333 York Rd, Cleveland 30, Ohio	TU4-8060
Ohio	Sheridan Associates Inc	4217 N. Main St, Dayton 5, Ohio	CR7-7212
Ore	Burt C Porter Co	P.O.Box 7854, Portland 12, Ore	AT4-1718
Pa	William Drew & Co	104 Essex Ave, Narberth, Pa	MO4-8331
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-9830
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Canada	Marsland Engineering Co	154 Victoria St, Kitchener, Ont, Canada	SH5-9486

FILTRON CO., INC — **131-15 Fowler Ave, Flushing, NY** — **HI5-7000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Cal	Filtron Co., Inc	10023 W. Jefferson Blvd, Culver City	UP9-6274
Cal	Filtron Co., Inc	926 Industrial Way, Palo Alto, Cal	DA1-2280
Cal	Richard Capell Co	2639 S. LaCienega Blvd, Los Angeles	TE9-8616
Colo	Williams & Associates Inc	2263 S. Albion St, Denver, Colo	SK5-9403
Conn	Eltron Engineering Sales Inc	2345 Whitney Ave, Hamden, Conn	AT8-8276
DC	Arco Engineering Co	733-15th St, N.W., Washington 5, DC	EX3-5991
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago, Ill	NE1-8263
Ind	Wright Engineering Corp	Box 23107, Indianapolis 44, Ind	WA3-8888
Md	William Drew & Co	1104 Mondawmin, Baltimore, Md	LA3-7700
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	OE2-6975
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit, Mich	BR3-2900
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul, Minn	MB-4662
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 4, Mo	PA7-8559
NJ	Holliday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NM	Williams & Associates Inc	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	Holliday-Hathaway Co., Inc	390 Plandome Rd, Manhasset, NY	MA7-7300
NY	Holliday-Hathaway Co., Inc	Box 296, New Hartford, NY	RE2-1602
NY	Holliday-Hathaway Co., Inc	94 Henry St, Binghamton, NY	BI3-5177
NY	Holliday-Hathaway Co., Inc	P.O.Box 1081, Rochester 3, NY	GR3-1270
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	Filtron Co., Inc	169 E. Helena St, Dayton 4, Ohio	BA6-3687
Ohio	Carl Thoene	179 S. Franklin St, Chagrin Falls, Ohio	CH7-8717
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA6-4178
Pa	William Drew & Co	Drewco Bldg, Narberth, Pa	MO4-8331
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Utah	Williams & Associates Inc	320 E. 4th S., Salt Lake City, Utah	EM4-6844
Wash	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash	AT4-7297
Canada	Aircraft Appl & Equip Ltd	585 Dixon Rd, Weston, Ont, Canada	CH4-5506
Foreign	Lindor International Corp	10 E. 40th St, New York 16, NY	MU5-6740

FINN & CO., INC., T R — **200 Central Ave, Hawthorne, NJ** — **HA7-4100**

FINNEY CO — **34 W. Interstate, Bedford, Ohio** — **BE2-6161**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Wedge Weber Co	1217 Venice Blvd, Los Angeles 6, Cal	DU7-2111
Ark	Max Heidenreich Co	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Cal	Wedge Weber Co	1217 Venice Blvd, Los Angeles 6, Cal	DU7-2111
Conn	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Del	Harold A Moyer	152 Merion Ave, Haddonfield, NJ	HA9-7792
DC	Harold A Moyer	152 Merion Ave, Haddonfield, NJ	HA9-7792
Ill	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
Ind	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
Ky	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
La	Max Heidenreich Co	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Me	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Md	Harold A Moyer	152 Merion Ave, Haddonfield, NJ	HA9-7792
Mass	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Mich	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
Minn	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
Mont	Fred Haight Co	3212 E. Lake Ave, Seattle 2, Wash	EA1818
NH	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
NJ	Murray Director	115-62 237 St, Elmont, NY	CU5-6823
NY	Murray Director	115-62 237 St, Elmont, NY	CU5-6823
ND	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	Max Heidenreich Co	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Ore	Fred Haight Co	3212 E. Lake Ave, Seattle 2, Wash	EA1818
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Pa	H A Moyer	152 Merion Ave, Haddonfield, NJ	HA9-7792
RI	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Tex	Max Heidenreich Co	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Vt	Larry Cole	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Wash	Fred Haight Co	3212 E. Lake Ave, Seattle 2, Wash	EA1818
W.Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wisc	A A Bombe	1640 Canterbury Ln, Glenview, Ill	PA4-5528

FINN-JASKE CO — **719 Sycamore St, Cincinnati, Ohio** — **MA1-2532**

FIRTH STERLING INC — **3113 Forbes Ave, Pittsburgh, Pa** — **MU2-4600**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Firth Sterling Inc	1824 Huntsville Rd, Birmingham 1, Ala	FA4-0627
Cal	Firth Sterling Inc	2900 S. Vail Ave, Los Angeles 22, Cal	RA3-8736
Conn	Firth Sterling Inc	25 Talcott Rd, W. Hartford 10, Conn	JA3-5266
Ill	Firth Sterling Inc	3415 N. Ave, Melrose Park, Ill	FI4-5510
Mich	Firth Sterling Inc	8399 W. Chicago Blvd, Detroit 4, Mich	WE3-1023
NJ	Firth Sterling Inc	221 Sheffield St, Mountainside, NJ	AD2-7710
Ohio	Firth Sterling Inc	2601 St. Clair Ave, Cleveland 14, Ohio	TO1-5180
Ohio	Firth Sterling Inc	137 N. Main St, Dayton, Ohio	BA3-4251
Tex	Firth Sterling Inc	829 S. 75th St, Houston, Tex	WA1-2137
Canada	Firth Sterling (Canada) Ltd	43 Spaulding Dr, Brantford, Ontario, Can	PL2-6820

FISCHER & CO., R A — **517 Commercial St, Glendale 3, Cal**

FISCHER & PORTER CO — **476 Warminster Rd, Warminster, Pa** — **OS5-6000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Fischer & Porter Co	1819 S. 28th Ave, Birmingham 9, Ala	TR9-1111
Alaska	du Alaska Co	340 1 St, N. 40, Anchorage, Alaska	BR8-3635
Ariz	Central Station Equipment Co	2323 Aviation Hwy, Tucson, Ariz	MA3-2493
Cal	Fischer & Porter Co	130 Orangethorpe Ave, Anaheim, Cal	LA6-7741
Cal	Fischer & Porter Co	5010 Woodminister Ln, Oakland 2, Cal	AN1-8704
Colo	Fischer & Porter Co	2133 S. Bellaire, 7, Denver 22, Colo	SK6-7240
Del	Fischer & Porter Co	2011 Concord Pike, Wilmington 3, Del	OL4-4431
Fla	Fischer & Porter Co	1314 1/2 N. Betty Ln, Clearwater, Fla	CL3-7539
Fla	Fischer & Porter Co	P.O. Box 8132, Jacksonville 11, Fla	RA4-1250
Fla	Thompson Equipment Co	631 Rue Max, Pensacola, Fla	GL6-1612
Ga	Fischer & Porter Co	674 N. Highland Ave, Atlanta 6, Ga	TR3-1338
Ill	Fischer & Porter Co	1205 S. 8th St, Maywood, Ill	FI5-2003
Ind	Fischer & Porter Co	3513 N. Hovey St, Indianapolis 18, Ind	WA4-1864
La	Thompson Equipment Co	655 Carrollton Ave, Baton Rouge 2, La	WA4-2177
La	Thompson Equipment Co	P.O. Box 13063, New Orleans 25, La	MA3385-86
Md	Fischer & Porter Co	7307 York Rd, Towson 4, Md	VA3-9422
Mass	Fischer & Porter Co	1233 Highland Ave, Needham 92, Mass	HI4-5750
Mich	Fischer & Porter Co	22750 Woodward Ave, Detroit 20, Mich	LI5-3552
Minn	DAVCO Inc	850 Cromwell, St. Paul 14, Minn	MI6-2671
Mo	Durkin Equipment Co	9834 Clayton Rd, St. Louis 24, Mo	WY3-2092
Mo	Durkin Equipment Co	2836 Main St, Kansas City 8, Mo	VA1-4490
NM	Technical Services Co., Inc	506-Coal Ave, S.E., Albuquerque, NM	CH7-4933
NY	Fischer & Porter Co	1621 Central Ave, Albany 5, NY	UN9-8471
NY	Fischer & Porter Co	2000 Sheridan Dr, Buffalo 23, NY	VI7556
NY	Fischer & Porter Co	141 Main St, Clifton, NJ	OX5-0494
NC	Fischer & Porter Co	823 Professional Bldg, Charlotte 2, NC	FR7-6146
Ohio	Fischer & Porter Co	3729 Lee Rd, Cleveland 20, Ohio	SK2-1500
Ohio	Fischer & Porter Co	Roselawn Ctr Bldg, Cincinnati 37, Ohio	JE1-3835
Okla	Fischer & Porter Co	3216 E. 21st St, Tulsa, Okla	WE2-3171
Ore	Martigs Inc	5741 N.E., Glisan St, Portland 13, Ore	BE2-1949
Pa	Fischer & Porter Co	Sixth & Fayette Sts, Conshohocken, Pa	TA8-2464
Pa	Fischer & Porter Co	3617 California Ave, Pittsburgh 21, Pa	PO6-7833
Tenn	Fischer & Porter Co	317 N. Gay St, Knoxville, Tenn	KN5-0600
Tenn	Janis Equipment Co	4711 Poplar St, Memphis, Tenn	MU3-1511
Tex	Fischer & Porter Co	4631 Insurance Ln, Dallas 5, Tex	LA6-3869
Utah	Wayne Wiscomb Co	Box 19, Sugarhouse Sta, Salt Lake City	EL5-5963
Va	Fischer & Porter Co	9407 Farmington Dr, Richmond 29, Va	AT2-4634
W. Va	Fischer & Porter Co	411-1/2 D St, S. Charleston, W. Va	RI4-0681
Wisc	Fischer & Porter Co	5906 N. Pt. Washington, Milwaukee, Wisc	WO4-0530
Foreign	Mfg affiliates throughout the world		

FISCHER SPECIAL MFG CO — **493 Morgan St, Cincinnati 6, Ohio** — **WO1-1280**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Verne Bennett	Atlanta, Ga	CE7-6726
Ariz	Rex J Sargent	Los Angeles, Cal	RA3-9616
Ark	W H Kreer	Dallas, Tex	EM1-4518
Cal	Rex J Sargent	Los Angeles, Cal	RA3-9616
Conn	C D Williams	Montclair, NJ	PI6-3535
Del	Harold J Nugent	Morristown, Pa	BR2-1955
Fla	Verne Bennett	Atlanta, Ga	CE7-6726
Ga	Verne Bennett	Atlanta, Ga	CE7-6726
Idaho	Roy Hollabaugh	Portland, Ore	CA6-6559
Ill	J K Blakeslee	Chicago, Ill	LO1-3669
Ind	G E Hayden	Muncie, Ind	AT4-1691
Iowa	J K Blakeslee	Chicago, Ill	LO1-3669
Kan	Carl D Garfinkel	St. Louis, Mo	YO5-3901
La	W H Kreer	Dallas, Tex	EM1-4518
Me	David M Rowley	Boston, Mass	FA3-1173
Md	Harold J Nugent	Morristown, Pa	BR2-1955
Mass	David M Rowley	Boston, Mass	FA3-1173
Mich	R Grey Firth	Dearborn, Mich	LO5-0615
Minn	J K Blakeslee	Chicago, Ill	LO1-3669
Miss	Verne Bennett	Atlanta, Ga	CE7-6726
Mo	Carl D Garfinkel	St. Louis, Mo	YO5-3901
Mont	Charles Pacher	Seattle, Wash	EL2929
Neb	Carl D Garfinkel	St. Louis, Mo	YO5-3901
NH	David M Rowley	Boston, Mass	FA3-1173
NJ	C D Williams	Montclair, NJ	PI6-3535
NY	C D Williams	Montclair, NJ	PI6-3535
NC	Verne Bennett	Atlanta, Ga	CE7-6726
Ohio	Donald E Williams	Medina, Ohio	PA2-4238
Okla	W H Kreer	Dallas, Tex	EM1-4518
Ore	Roy Hollabaugh	Portland, Ore	CA6-6559
Pa	Harold J Nugent	Morristown, Pa	BR2-1955
RI	David M Rowley	Boston, Mass	FA3-1173
SC	Verne Bennett	Atlanta, Ga	CE7-6726
Tenn	Verne Bennett	Atlanta, Ga	CE7-6726
Tex	W H Kreer	Dallas, Tex	EM1-4518
Vt	David M Rowley	Boston, Mass	FA3-1173
Wash	Charles Pacher	Seattle, Wash	EL2929
W. Va	Harold J Nugent	Morristown, Pa	BR2-1955
Wisc	J K Blakeslee	Chicago, Ill	LO1-3669

FISH-SCHURMAN CORP — **70 Portman Rd, New Rochelle, NY** — **NE6-1300**

FISHER BERKELEY CORP — **4224 Holden St, Emeryville, Cal** — **OL5-9696**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
Ariz	Jon Norbert	403 S. Plumer Ave, Tucson, Ariz	EA5-8281
Ark	Macrae Smith Co	2002 Brewster Dr, Irving, Tex	FL1-1615
Cal	Koessler Sales Co	818 N. Fairfax, Los Angeles, Cal	OL3-1605
Conn	Paul W Nief	15 Oak St, Westport, Conn	
Del	Brendan C O'Hara	5040 City Line Ave, Philadelphia, Pa	GR3-3654
DC	Brendan C O'Hara	5040 City Line Ave, Philadelphia, Pa	GR3-3654
Fla	Maurice J Hilton	4812 Pinetree Dr, Miami Beach, Fla	
Ga	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
Idaho	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ill	William Doyle Co	2600 W. Touhy Ave, Chicago 45, Ill	BR4-6685
Iowa	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Kan	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Ky	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
La	MacRae Smith Co	2002 Brewster Dr, Irving, Tex	FL1-1615
Me	Paul W Nief	15 Oak St, Westport, Conn	
Md	Brendan C O'Hara	5040 City Line Ave, Philadelphia, Pa	GR3-3654
Mass	Paul W Nief	15 Oak St, Westport, Conn	
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	Robert G Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
Mo	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Neb	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
NJ	Paul W Nief	15 Oak St, Westport, Conn	
NM	Jon Norbert	403 S. Plumer Ave, Tucson, Ariz	EA5-8281
NC	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
ND	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Ohio	D C Bruce	7870 Jolain Dr, Cincinnati 42, Ohio	TW1-6140
Okla	Macrae Smith Co	2002 W.P. Brewster Dr, Irving, Tex	FL1-1615
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Richard A Stone	1843 Maydell St, Pittsburgh 16, Pa	FI1-8391
Pa	Brendan C O'Hara	5040 City Line Ave, Philadelphia 31, Pa	GR3-3654
RI	Paul W Nief	15 Oak St, Westport, Conn	
SC	Robert G Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
SD	Clark R Gibb	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Tenn	Robert G Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
Tex	MacRae Smith Co	2002 W.P. Brewster Dr, Irving, Tex	FL1-1615
Vt	Paul W Nief	15 Oak St, Westport, Conn	
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	William Doyle Co	2600 W. Touhy Ave, Chicago 45, Ill	BR4-6685
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Scarborough, Ontario	PL7-5171
Canada	D Eldon McLennan Ltd	1624 W. Third Ave, Vancouver 9, Can	BA2898

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	FISHER & CROME	**107 N. Camac St, Philadelphia 7, Pa**	**LO4-5054**
	FISHER ENGINEERING INC.	**2060 US 24 East, Huntington, Ind.**	**315**
Ill	Kadell Sales Associates Inc	5875 N. Lincoln Ave, Chicago, Ill	LO1-3042
Ky	Mark Associates Inc	1702 Mack Ave, Dayton 4, Ohio	BA3-6859
Ohio	Mark Associates Inc	1702 Mack Ave, Dayton 4, Ohio	BA3-6859
	FISHER-PIERCE CO., THE	**170 Pearl St, S. Braintree 85, Mass**	**VI3-5900**
Ala	Walter W Wildeman	3131 Piedmont Rd, N.E., Atlanta, Ga	CE3-5972
Ariz	Maydwell & Hartzell Inc	P.O. Box 3586, Phoenix, Ariz	AL3-9595
Ark	Mark Hartman	4411 N. Miller, Oklahoma City, Okla	WI6-7336
Cal	Maydwell & Hartzell Inc	427 W. Fifth St, Los Angeles 13, Cal	MA8-7245
Cal	Maydwell & Hartzell Inc	870 Tennessee St, San Francisco 7, Cal	AT8-6900
Colo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
Del	A L O'Brien Sales Co	50 N. Franklin Trnpk, Ho-Ho-Kus, NJ	OL2-2900
Fla	Walter W Wildeman	3131 Piedmont Rd, N.E., Atlanta, Ga	CE3-5972
Ga	Walter W Wildeman	3131 Piedmont Rd, N.E., Atlanta, Ga	CE3-5972
Idaho	Oscar Hoxenson Co	95 Connecticut St, Seattle 4, Wash	MA2-0737
Idaho	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Ill	J M Livingston Inc	30 N. LaSalle St, Chicago 2, Ill	DE3616
Ill	Williams & McKinley Sales Co	417 Grand Ave, Kansas City, Mo	GR1-1776
Iowa	Dolan-Feldhaus Co	5 W. Lake St, Minneapolis, Minn	TA7-2613
Kan	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Kan	Williams & McKinley Sales Co	417 Grand Ave, Kansas City, Mo	GR1-1176
Ky	Jay G Gates	2430 Central Pkwy, Cincinnati 14, Ohio	CH1-3282
La	Lyman C Reed Inc	P.O. Box 19466, New Orleans, La	GA3106
Me	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
Md	A L O'Brien Sales Co	50 N. Franklin Trnpk, Ho-Ho-Kus, NJ	OL2-2900
Mass	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-3900
Minn	Dolan-Feldhaus Co	5 W. Lake St, Minneapolis, Minn	TA7-2613
Miss	Lyman Winn	1677 E. Beard Pl, Memphis 12, Tenn	BR6-2317
Miss	Lyman C Reed Inc	P.O. Box 19466, New Orleans 19, La	GA3106
Mo	Williams & McKinley Sales Co	417 Grand Ave, Kansas City, Mo	GR1-1776
Mont	J A Tudor Associates	1004 S.E., Belmont St, Portland 14, Ore	BE2-1188
Neb	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Nev	Maydwell & Hartzell Inc	870 Tennessee St, San Francisco 7, Cal	AT8-6900
NH	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
NJ	A L O'Brien Sales Co	50 N. Franklin Trnpk, Ho-Ho-Kus, NJ	OL2-2900
NM	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	H C Johnson Agencies		
NY	A L O'Brien Sales Co	50 N. Franklin Trnpk, Ho-Ho-Kus, NJ	OL2-2900
NC	Glenn & Larson	1321 E. Morehead St, Charlotte 3, NC	ED4-3994
ND	Dolan-Feldhaus Co	5 W. Lake St, Minneapolis, Minn	TA7-2613
Ohio	K R Dodge Co	19850 Lake Shore Blvd, Cleveland 19, Ohio	IV1-6383
Ohio	Jay G Gates	2430 Central Pkwy, Cincinnati 14, Ohio	CH1-3282
Okla	L R Ward Co	3009-11 Canton St, Dallas 26, Tex	RI3-9004
Ore	J A Tudor Associates	1004 S.E., Belmont St, Portland 14, Ore	BE2-1188
Pa	Anderson Connector Corp	P.O. Box 10961, Pittsburgh Pa	HO2-5600
Pa	A L O'Brien Sales Co	50 N. Franklin Trnpk, Ho-Ho-Kus, NJ	OL2-2900
RI	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
SC	Glenn & Larson	1321 E. Morehead St, Charlotte 3, NC	ED4-3994
SD	Dolan-Feldhaus Co	5 W. Lake St, Minneapolis, Minn	TA7-2613
Tenn	Lyman Winn	1677 E. Beard Pl, Memphis 12, Tenn	BR6-2317
Tenn	Walter W Wildeman	3131 Piedmont Rd, N.E., Atlanta, Ga	CE3-5972
Tex	L R Ward Co	3009-11 Canton St, Dallas 26, Tex	RI3-9004
Utah	Allen I Williams	2263 S. Albion St, Denver 22, Colo	SK6-9403
Vt	Alva D Stein Inc	250 Stuart St, Boston 16, Mass	HA6-7272
Wash	Oscar Hoxenson Co	95 Connecticut St, Seattle 4, Wash	MA2-0737
W. Va	Anderson Connector Corp	P.O. Box 10961, Pittsburgh, Pa	HO2-5600
Wisc	Dolan-Feldhaus Co	5 W. Lake St, Minneapolis, Minn	TA7-2613
Wisc	J M Livingston Inc	30 N. LaSalle St, Chicago 2, Ill	DE3616
Wyo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Canada	Fitler-Smith Machinery Co	Confed Life Bldg, Winnipeg	WH2-3975
Canada	Amalgamated Engrg Ser Ltd	882 E. Cordova St, Vancouver 4, BC	MU3-5344
	FISHER RADIO CORP	**21-21 Forty Fourth Dr, Long Island City 1, NY**	
	FISHER SCIENTIFIC CO	**717 Forbes Ave, Pittsburgh, Pa**	**EX1-1330**
Mass	Fisher Scientific Co	12 Norfolk St, Central Sq, Cambridge 38	UN4-5013
Mich	Fisher Scientific Co	149 Michigan Ave, Detroit 26, Mich	WO1-9711
NY	Fisher Scientific Co	170 Franklin St, Buffalo 3, NY	WA5303
Ohio	Fisher Scientific Co	1940 E. 6th St, Cleveland, Ohio	MAi-8581
Tex	Fisher Scientific Co	1700 E. Holcombe Blvd, Houston 25, Tex	JA9-3474
W. Va	Fisher Scientific Co	Quarrier St Bldg, Charleston 1, W. Va	DI3-0671
Canada	Fisher Scientific Co Ltd	10041-102 St, Edmonton, Alberta, Canada	23-767
	FITCHBURG ENGINEERING CORP	**Fitchburg, Mass**	**DI3-7416**
Ariz	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
Cal	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
Colo	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
NM	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
Tex	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
Utah	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
	FIVE STAR CO., INC	**10 W. Main St, Plantsville, Conn**	**MA8-5561**
	FLAME RESEARCH INC	**Box 10502, Pittsburgh 35, Pa**	**CH2-3415**
	FLEETWOOD LABORATORIES INC	**300 Victory Blvd, New Rochelle, NY**	**BE5-0831**
Mass	Near Inc	99 Highland Ave, Somerville, Mass	
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	
NJ	Central Associates	44 N. Dean St, Englewood, NJ	
NY	Central Associates	44 N. Dean St, Englewood, NJ	
Pa	C E Snow Co	919 N. Phil-Ellena St, Philadelphia, Pa	
	FLEXAUST CO., THE	**100 Park Ave, New York 17, NY**	**OR9-1300**
Colo	E N Murray	320 Denver Club Bldg, Denver, Colo	AL5-7806
Ga	C A Wright	4685 Lake Forrest Dr, N.W., Atlanta, Ga	CE7-8870
Ill	S J Stanfield	122 Campbell St, Geneva, Ill	CE2-0255
La	W Evans	1106 St. Thomas St, New Orleans 13, La	JA5-1425
Mich	Love Co., The	3266 Rickman Ave, Grand Rapids 5, Mich	RI2-3616
NY	G R Templeton	342 Caroline St, Rochester 20, NY	HI5-3404
Tex	R D Chapman	4367 Fiesta Lane, Houston, Tex	JA4-3486
	FLEXO INTERNATIONAL CORP	**3720 N. Milwaukee Ave, Chicago 41, Ill**	**KI5-6609**
	FLEXONICS CORP	**1417 S. 3rd Ave, Maywood, Ill**	**FI3-8000**
Ala	Flexonics Corp	2021 Latham St, Memphis, Tenn	WH2-4681
Alaska	Flexonics Corp	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
Ariz	Flexonics Corp	3324 W. Delhi Rd, Santa Ana, Cal	KI5-8261
Ark	Flexonics Corp	2021 Latham St, Memphis, Tenn	WH2-4681
Cal	Flexonics Corp	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
Colo	Flexonics Corp	428 Nelda Ave, Kirkwood 22, Mo	YO5-8664
Conn	Flexonics Corp	33 Woodlawn Ave, Bloomfield, Conn	CH2-7406
Del	Flexonics Corp	1423 Francke St, Lutherville, Md	VA5-6222
DC	Flexonics Corp	1423 Francke St, Lutherville, Md	VA5-6222
Fla	Flexonics Corp	11534 North Side Sta, Atlanta 5, Ga	CE7-9754
Ga	Flexonics Corp	11534 North Side Sta, Atlanta 5, Ga	CE7-9754
Hawaii	Flexonics Corp	3324 W. Delhi Blvd, Santa Ana, Cal	KI5-8261
Idaho	Sales Mart	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
Kan	Flexonics Corp	3613 Kessler Dr, Overland Park, Kan	NI2-4175
Ky	Flexonics Corp	1717 Section Rd, Cincinnati, Ohio	RE1-8280
La	Flexonics Corp	2021 Latham St, Memphis, Tenn	WH2-4681
Me	Flexonics Corp	10 High St, Boston 10, Mass	HA6-0952
Md	Flexonics Corp	1423 Francke St, Lutherville, Md	VA5-6222
Mass	Flexonics Corp	10 High St, Boston 10, Mass	HA6-0952
Mich	Flexonics Corp	1500 Trombly Ave, Detroit, Mich	TR3-8000
Minn	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
Miss	Flexonics Corp	2021 Latham St, Memphis, Tenn	WH2-4681
Mo	Flexonics Corp	3613 Kessler Dr, Overland Park, Kan	NI2-4175
Mont	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
Neb	Flexonics Corp	3613 Kessler Dr, Overland Park, Kan	NI2-4175
Nev	Flexonics Corp	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
NH	Flexonics Corp	10 High St, Boston, Mass	HA6-0952
NJ	Flexonics Corp	980 Dehart Pl, Elizabeth, NJ	EL4-6500
NM	Flexonics Corp	2304 Stanley Ave, Ft Worth 10, Tex	WA7-0709
NY	Flexonics Corp	980 Dehart Pl, Elizabeth, NJ	EL4-6500
NC	Flexonics Corp	11534 N. Side St, Atlanta 5, Ga	CE7-9754
ND	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
Ohio	Flexonics Corp	1717 Section Rd, Cincinnati 9, Ohio	RE1-8280
Okla	Flexonics Corp	P.O. Box 18446, Dallas 18, Tex	DA7-0780
Ore	Flexonics Corp	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
Pa	Flexonics Corp	18 W. Chelten, Philadelphia 44, Pa	VI3-1202
RI	Flexonics Corp	10 High St, Boston 10, Mass	HA6-0952
SC	Flexonics Corp	11534 N. Side Sta, Atlanta 5, Ga	CE7-9754
SD	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
Tenn	Flexonics Corp	2021 Latham St, Memphis, Tenn	WH2-4681
Tex	Flexonics Corp	2304 Stanley Ave, Ft Worth 10, Tex	WA7-0709
Utah	Flexonics Corp	1485 Baltimore Blvd, San Francisco, Cal	DE3-0573
Vt	Flexonics Corp	980 Dehart Pl, Elizabeth, NJ	EL4-6500
Va	Flexonics Corp	1423 Francke St, Lutherville, Md	VA5-6222
Wash	Flexonics Corp	1485 Bayshore Blvd, San Francisco 24, Cal	DE3-0573
W.Va	Flexonics Corp	1717 Section Rd, Cincinnati, Ohio	RE1-8280
Wisc	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
Wyo	Flexonics Corp	4569 N. 106th St, Wauwatosa, Wisc	HO4-4120
	FLEXROCK CO	**3608 Filbert St, Philadelphia 1, Pa**	**BA2-5500**
	FLIGHT RESEARCH INC	**P. O. Box 1-F, Richmond 1, Va**	**RE7-4163**
Cal	Robert L Woltz	7801 Hillside Ave, Hollywood, Cal	OL4-8883
NY	Donald Bass	116-55 Queens Blvd, Forest Hills 75, NY	LI4-8196
	FLOCK PROCESS CO., INC	**373 Main Ave, Norwalk, Conn**	**VI7-4586**
	FLOW CORP	**85 Mystic St, Arlington, Mass**	**MI8-6740**
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ariz	Charles W Fowler Co	429 S. Western Ave, Los Angeles, Cal	DU4-7203
Cal	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
Cal	Charles W Fowler Co	429 S. Western Ave, Los Angeles, Cal	DU4-7203
Conn	Broger Instrument Sales Co., Inc	P.O. Box 2917, New Haven, Conn	BR7-6279
Del	F R Jodon Inc	8510 Beech Tree Rd, Washington, DC	EM5-1515
DC	F R Jodon Inc	8510 Beech Tree Rd, Washington, DC	EM5-1515
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Iowa	Engineering Services Co	Cedar Rapids, Iowa	
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	
Me	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-4804
Md	F R Jodon Inc	20408 Burridge Rd, Baltimore, Md	NO8-1933
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline Mass	BE2-4804
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
NH	Broger Instrument Sales Co	48 Pearl St, Brookline, Mass	BE2-4804
NJ	Martin Electronic Marketing Org	69 Greenwich St, Hempstead, NY	IV3-4060
NM	Charles W Fowler Co	429 S. Western Ave, Los Angeles, Cal	DU4-7203
NY	Martin Electronic Marketing Org	69 Greenwich St, Hempstead, NY	IV3-4060
Ohio	Paul J Bockensiedt Associates	North Dayton Sta, Dayton, Ohio	BE3-0849
Ore	Burt C Porter Co	P.O. Box 7854, Portland 12, Ore	AT4-1718
Pa	Martin Electronic Marketing Org	6122 Columbia Ave, Philadelphia, Pa	LO7-3080
RI	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-4804
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline Mass	BE2-4804
Va	F R Jodon, Inc	8510 Beech Tree Rd, Washington, DC	EM5-1515
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
	FLOW MEASUREMENTS CORP	**10506 Wheatley St, Kensington, Md**	**LO4-0122**
	FLUKE MFG CO., INC., JOHN	**P. O. Box 7161, Seattle 33, Wash**	**PR6-1171**
Ala	Bivins & Caldwell Inc	1923 North Maine, High Point, NC	2-6873
Alaska	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Ariz	Gene French Co	120 San Pedro S. E., Albuquerque, NM	AM8-2478
Ark	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Colo	Gene French Co	120 San Pedro S.E., Albuquerque, NM	AM8-2478
Conn	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Del	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Bivins & Caldwell Inc	1923 N. Maine, High Point, NC	2-6873
Ga	Bivins & Caldwell Inc	1923 N. Maine, High Point, NC	2-6873
Hawaii	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Idaho	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Ill	Cozzens & Cudahy Inc	125 Old Orchard ArcAde, Skokie, Ill	OR5-6700
Ind	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Iowa	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Kan	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Ky	Bivins & Caldwell Inc	1923 N. Maine, High Point, NC	2-6873
La	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Me	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mich	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Minn	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mont	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Neb	Gene French Co	120 San Pedro, S.E., Albuquerque, NM	AM8-2478
Nev	Gene French Co	120 San Pedro, S.E., Albuquerque, NM	AM8-2478
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NJ	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Gene French Co	120 San Pedro, S.E., Albuquerque, NM	AM8-2478
NY	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	GI4-1400
NC	Bivins & Caldwell Inc	1923 N. Main, High Point, NC	2-6873
ND	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Okla	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Ore	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Pa	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
RI	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
SC	Bivins & Caldwell Inc	1923 N. Main, High Point, NC	2-6873
SD	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis 3, Minn	FE8-0523
Tenn	Bivins & Caldwell Inc	1923 N. Main, High Point, NC	2-6873
Tex	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Utah	Gene French Co	120 San Pedro, S.E., Albuquerque, NM	AM8-2478
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	Bivins & Caldwell Inc	1923 N. Main, High Point, NC	2-6873
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
W. Va	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Wisc	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Wyo	Gene French Co	120 San Pedro, S.E., Albuquerque, NM	AM8-2478
England	Livingston Laboratories Inc	Retcar St, London N19, England	
Italy	Silverstar Ltd	21 ViaVisconti Di Modrone, Milano, Italy	
	FLUORULON LABORATORIES	**Box 305, Caldwell, NJ**	**CA6-8228**
	FLUSH WALL RADIO CO	**1012 Cleveland St, Clearwater, Fla**	**34-6061**
	FOOD MACHINERY & CHEMICAL CORP., CHEMICALS & PLASTICS DIV	**161 E. 42nd St, New York 17, NY**	**MU7-7400**
	FOOTE MINERAL CO	**452 W. Chelten Bldg, Phila 44, Pa**	**VI8-4000**
	FORBES & WAGNER INC	**345 Central Ave, Silver Creek, NY**	**YE4-2691**
Ala	Emmett Rushin Co	Box 486, Roswell, Ga	RO6498
Alaska	Fred H Haight Co	3212 E. Lake, Seattle 2, Wash	EA2-1818
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Cal	S L Spraggins Co	16042 Ventura Blvd, Encino, Cal	ST8-6661
Conn	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
Del	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
DC	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
Fla	Paul O Griffin	5601 Florida Ave, Tampa, Fla	TA3-66652
Ga	Emmett Rushin Co., Inc	Box 486, Roswell, Ga	RO6498
Idaho	Fred H Haight Co	3212 E. Lake, Seattle 2, Wash	EA2-1818
Ill	Ryan & Associates	2503 N. Talman Ave, Chicago 47, Ill	EV4-5749
Ill	Maury E Bettis Co	8676 Kathlyn Dr, Berkeley 21, Mo	LO1-0772
Ind	Scott & Steffen Inc	915 N. Pennsylvania Ave, Indianapolis	ME5-8951
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Ky	Scott & Steffen Inc	Francis Bldg, Louisville 2, Ky	JU3-3220
La	Koch Engineering & Sales Co	Meadows Bldg, Dallas 6, Tex	EM1-1765
Me	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
Md	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
Mass	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	JO6-2375
Miss	Emmett Rushin Co., Inc	Box 486, Roswell, Ga	RO6498
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Mont	Fred H Haight Co	3212 E. Lake, Seattle 2, Wash	EA2-1818
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Nev	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
NH	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
NJ	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
NY	Leo Freed & Co	420 Lexington Ave, New York 17, NY	MU3-5557
NY	Robert W Jackson Co	4446 Main St, Buffalo 26, NY	CI2094
NC	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Koch Engineering & Sales Co	Meadows Bldg, Dallas 6, Tex	EM1-1765
Ore	Fred H Haight Co	3212 E. Lake, Seattle 2, Wash	EA2-1818
Pa	Scott & Steffen Inc	507 Liberty St, Pittsburgh 22, Pa	GR1-5233
Pa	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118
RI	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
SC	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Tenn	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Tenn	Emmett Rushin Co., Inc	Box 486, Roswell, Ga	RO6498
Tex	Koch Engineering & Sales Co	Meadows Bldg, Dallas 6, Tex	EM1-1765
Vt	Brookdale Engrg & Services Co	6 Beacon St, Boston 8, Mass	CA7-1515
Va	J A Maguire & Co	29 Alleghany Ave, Towson 4, Md	VA5-3836
Wash	Fred H Haight Co	3212 E. Lake, Seattle 2, Wash	EA2-1818
Wisc	Ryan & Associates	2503 N. Talman Ave, Chicago 47, Ill	EV4-5749
Canada	Prime Electronic Compon Ltd	868 Dundas Hwy, E., Dixie, Ontario, Can	AT9-3361
	FORD INSTRUMENT CO	**31-10 Thomson Ave, Long Island, NY**	**ST4-9000**
Ala	Ford Instrument Co	Holiday Inn Motel, Huntsville, Ala	JE9-2321

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Automatic General Electronic Sales..	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Cal	Ford Instrument Co	260 S. Beverly Dr, Beverly Hills, Cal	BR2-6675
Cal	Sodaro Co	9400 Culver Blvd, Culver City, Cal	JP0-3213
Iowa	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Kan	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Mo	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Neb	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
NM	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Ohio	Ford Instrument Co	31 W. 4th St, Dayton, Ohio	BA4-2373
Okla	Automatic General Electronic Sales	6500-B Troost Ave, Kansas City 10, Mo	DE3-8206
Tex	Automatic General Electronic Sales	6500-B Troost Ave, Kansas City 10, Mo	DE3-8206

	FORDHAM MFG CO	**2222 Pearsall Ave, Bronx, NY**	**KI7-7689**

	FOREDOM ELECTRIC CO	**Bethel, Conn**	**PI8-3521**
Cal	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles 6, Cal	
Conn	R W King Co	140 Preston Dr, Meriden, Conn	
NY	Gustav Fischer	67 Bowman Dr, Greenwich, Conn	
Pa	Metal-Aides Inc	2314 N. 9th St, Philadelphia 33, Pa	

	FOREST CITY PRODUCTS INC	**722 Bolivar Rd, Cleveland 15, Ohio**	**CH1-0044**
Ariz	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
Ark	Mid-South Brokerage Co	2218 Jefferson Ave, Memphis 4, Tenn	BR8-2179
Cal	Miner & Associates Inc	115 Main St, El Segundo, Cal	EA2-5656
Colo	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
Conn	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Del	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
DC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ga	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ill	Herbert H Pallat & Co	112 N. Green St, Chicago 7, Ill	HA1-0613
Ill	Halpin D Burke & Son	210 S. Bemiston Ave, St. Louis 5, Mo	VO3-5562
Ind	Robert Wainscott	911 N. Pennsylvania, Indianapolis 4, Ind	ME4-5963
Iowa	Halpin D Burke & Son	210 S. Bemiston Ave, St. Louis 5, Mo	VO3-5562
Kan	Halpin D Burke & Son	210 S. Bemiston Ave, St. Louis 5, Mo	VO3-5562
La	Mid-South Brokerage Co	2218 Jefferson Ave, Memphis 4, Tenn	BR8-2179
Me	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Md	Precision Sales Co	8616 Georgia Ave, Silver Springs, Md	JU9-7690
Mass	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Mich	Steve Ham	9141 Jefferson, Detroit, Mich	
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Miss	Mid-South Brokerage	2218 Jefferson Ave, Memphis 4, Tenn	
Mo	Halpin D Burke & Son	210 S. Bemiston Ave, St. Louis 5, Mo	VO3-5562
Neb	Halpin D Burke & Son	210 S. Bemiston Ave, St. Louis 5, Mo	VO3-5562
NH	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
NJ	Bergren-Mortensen	66 Palmer Ave, Bronxville, NY	WO1-4442
NY	Bergren-Mortensen	66 Palmer Ave, Bronxville, NY	WO1-4442
NY	Howard N Clark	830 Linden Ave, Rochester 10, NY	LU6-0371
NC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ohio	Vince C Bowman	4500 Euclid Ave, Cleveland, Ohio	VT1-8866
Ohio	Emerson H Alexander	545 Hemlock Point Rd, Chagrin Falls, Ohio	ED8-6861
Pa	Englewood Co., Inc	State Rd at Township Line, Drexel Hill, Pa	CL9-1200
Pa	Emerson H Alexander	545 Hemlock Point Rd, Chagrin Falls, Ohio	ED8-6861
RI	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
SC	Precision Sales Co	8616 Georgia Ave, Silver Springs, Md	JU9-7690
Tenn	Mid-South Brokerage Co	2218 Jefferson Ave, Memphis 4, Tenn	BR8-2179
Tex	Clarence F Hodges Co	4312 Maple Ave, Dallas, Tex	LA6-5233
Utah	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Vt	Hage Associates Inc	66 Parker St, Gardner, Mass	GA3030
Va	Precision Sales Co	8616 Georgia Ave, Silver Springs, Md	JU9-7690
W. Va	Precision Sales Co	8616 Georgia Ave, Silver Springs, Md	JU9-7690
Wisc	Herbert H Pallat Co	112 N. Green St, Chicago 7, Ill	HA1-0613
Wisc	Edward Hoffman Co	180 N. Snelling St, St. Paul 4, Minn	MI5-4662
Wyo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452

	FOREST ELECTRIC CO	**7216 Circle Rd, Forest Park, Ill**	**FO6-4100**

	FORM-IT PRODUCTS INC	**1619 W. Walnut St, Chicago 12, Ill**	**HA1-7337**
Alaska	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
Conn	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
Idaho	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
Ill	Coenco Associates	Box 245, Dundee, Ill	
Ind	Coenco Associates	Box 245, Dundee, Ill	
Iowa	Kinrick Co	222 Olympia Dr, St. Louis 21, Mo	
Kan	Kinrick Co	222 Olympia Dr, St. Louis 21, Mo	
Me	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
Mass	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
Mo	Kinrick Co	222 Olympia Dr, St. Louis 21, Mo	
Mont	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
Nev	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
NH	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
NY	Gislason Sales Inc	617 Case Bldg, Rochester 4, NY	
NY	Harold B Heft	193 Bixley Heath, LynBrook, NY	
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	
Ore	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
RI	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	
Utah	National Co., Inc, The	70 Marion St, Seattle 4, Wash	
Vt	O E Pfann Kuch & Co	952 Main St, Bridgeport 3, Conn	
Wash	National Co., Inc, The	70 Marion St, Seattle 4, Wash	

	FORMICA CORP	**4587 Spring Grove, Cincinnati 32, Ohio**	**KI1-3670**
Cal	Kuykendall/McCord	2300 S. Eastern Ave, Los Angeles 54	RA3-6411
Conn	Richard L Parks	43 S. Main St, W. Hartford 7, Conn	AD6-2368
Hawaii	Formica Corp	P.O. Box 3053, Honolulu 2, T.H.	
Ill	Thomas/Forbeck/Shepherd	3505 N. Kimball Ave, Chicago 80, Ill	CO7-6400
Ind	L Edward Dugan	108 N. Main St, South Bend, Ind	CE3-1065
Md	Charles H Kronenberg Jr	5712 hartford Rd, Baltimore 14, Md	HA6-0733
Mass	Miller/Besse	1400 Hancock St, Quincy 69, Mass	GR9-4450
Mich	Russell Graham	15552 W. McNichols Rd, Detroit 35, Mich	BR2-1970
Mo	L A Warnel	119 E. 18th St, Kansas City 8, Mo	VI2-1780
Mo	Harold Nahm	5025 Pattison Ave, St. Louis 66, Mo	WO4-5306
NJ	Bruce Bryant	16-18 N. Harrison St, East Orange, NJ	OR2-9019
NY	Clarence J Thomas	101 Park Ave, New York 17, NY	MU3-7935
NY	Peter G Whedon	639 S. Warren St, Syracuse 2, NY	HA2-5731

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Robert Lowes	1385 Cook Ave, Cleveland 7, Ohio	AC1-3400
Pa	Thomas K O'Brien Jr	185 Commerce Dr, Ft. Washington, Pa	CH8-3900
Tenn	James H Curran	4012 Hillsboro Rd, Nashville 12, Tenn	AM9-6186
Wisc	John S Dawley	316 E. Silver Spring Dr, Milwaukee 17	WO2-6056
Canada	Cyanamid of Canada Limited	5550 Royalmount Ave, Mt. Royal, PQ Can	

	FORMICA METAL PRODUCTS CO	**Corporation Way, Medford, Mass**	**EX5-5656**

	FORMSPRAG CO	**23601 Hoover Rd, Warren, Mich**	**JE6-9000**
Cal	Formsprag Co	429 S. Western Ave, Los Angeles 5, Cal	DU2-0500
DC	Formsprag Co	1008 20th St, N.W., Washington, DC	
Fla	Hummel Industrial Sales	544 Peterson Pl, Orlando, Fla	OR5-6554
Ill	Formsprag Co	6835 W. Higgins Rd, Chicago 31, Ill	SP4-1323
Mass	Formsprag Co	340 Main St, Worcester, Mass	PL7-0010
Ohio	Formsprag Co	6521 Brecksville Rd, Independence	LA4-7385
Ohio	Formsprag Co	379 W. 1st Bldg, Dayton 2, Ohio	BA3-3972
Pa	Formsprag Co	Lancaster & Leopard Rd, Paoli, Pa	HI4-0292
Tex	R C Brown Co	P.O. Box 8026, Dallas 5, Tex	EM8-2866

	FORSBERG MFG CO	**127 Seeview Ave, Bridgeport, Conn**	

	FORMWELD PRODUCTS CO	**1530 Colt Ave, Cleveland, Ohio**	**LI1-3100**

	FORT WAYNE METALS INC	**3211 McArthur Dr, Ft. Wayne, Ind**	**5-4154**

	FORTER-TEICHMANN CO	**Clark Bldg, Pittsburgh 22, Pa**	**EX1-0820**

	FORWAY INDUSTRIES INC	**122 Green Ave, Woodbury, NJ**	**TI5-0804**

	FOSTER TRANSFORMER CO	**3820 Colerain Ave, Cincinnati 23, Ohio**	**MU1-2420**
Cal	Reid & Co	248 W. Pamela Rd, Arcadia, Cal	HI6-3286
Cal	David H Ross	534 El Camino Real, San Carlos, Cal	LY1-4414
Conn	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Ill	Wm F Swinke & Co	541 Diversey Pkwy, Chicago 14, Ill	BI8-4343
Ind	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
Md	J A Maguire & Co	29 Allegheny Ave, Towson 4, Md	VA5-3836
Mass	Henry Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Mich	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
NJ	Barrett Border	121 Oak St, Tenafly, NJ	LO7-0350
NY	Robert W Jackson Co	4446 Main St, Buffalo, NY	
NY	Barrett Border	121 Oak St, Tenafly, NJ	LO7-0350
Pa	J A Maguire & Co	116 N. 7th St, Camden, NJ	WO6-3118
Va	J A Maguire & Co	29 Allegheny Ave, Towson 4, Md	VA5-3836
Wisc	Clarence Geiger	6215 W. Birch, Milwaukee, Wisc	DI2-4215

	FOSTORIA CORP	**1200 N. Main St, Fostoria, Ohio**	**HE5-7721**
Cal	C W McDaniel	P.O. Box 4236, Carmel, Cal	MA4-2977
Fla	Bernard Broekhuozen	12605 N.W. 2nd Ave, Miami 50, Fla	
Ill	W F Carlin	4617 N. Pulaski Rd, Chicago 30, Ill	KE9-4553
Ind	W Dale McBride	3920 Nokomis Rd, Ft. Wayne, Ind	HA6040
Mass	Interflux Corp	17 Lewis Wharf, Boston, Mass	
Mich	Fostoria Corp	18627 James Couzens Hwy, Detroit 35	
Mo	Fostoria Industrial Service	5627 Manchester Ave, St. Louis, Mo	WI7-4344
NJ	Fostoria Corp	4 Green Village Rd, Madison, NJ	FR7-0914
NY	Fostoria Corp	4 Green Village Rd, Madison, NJ	FR7-0914
Ore	J K Johnston	6405 N.E. 15th Ave, Portland 9, Ore	BU9-2341
Pa	The J V Calhoun Co	349 Montgomery Ave, Bala Cynwyd, Pa	GR3-4477
RI	Freeman Industrial Service	776 N. Main St, Providence, RI	UN1-1810
Tenn	J McEwen-Cherry & Associates	1915 W. End Ave, Nashville, Tenn	
Tex	The Glenn W King Co	2411 Times Blvd, Houston 5, Tex	JA8-5517
Utah	Keith Laperstrom	1225 East, 8750 South, Sandy, Utah	AM5-3723
Va	R E Miller	404 Pulaski Ave, Richmond, Va	
Wisc	Fostoria Engineering Service Inc	4003 W. Capitol Ave, Milwaukee 12, Wisc	UP1-6774
Canada	DeVilbiss (Canada) Ltd	Barrie, Ontario, Canada	PA8-5501

	FOTO-VIDEO ELECTRONICS INC	**36 Commerce Rd, Cedar Grove, NJ**	**CE9-6100**
Va	Donald R Fayer	2409 Menakin Dr, Alexandria, Va	KI9-5520
Wash	Patrick Quinn	9210 28 St, N.W., Seattle 7, Wash	SU4-6447
Foreign	CBS International	46 E. 52 St, New York 22, NY	PI1-2345

	FOURDEE INC	**704 W. Fairbanks, Winter Park, Fla**	**GA4-9973**
Cal	Fred C Warren	P.O. Box 75822, Los Angeles, Cal	
Conn	K C Stevens Co	235 Bedford St, Lexington, Mass	
Md	Fabricators Inc	610 Highland Ave, Towson, Md	
Mass	K C Stevens Co	230 Bedford St, Lexington, Mass	
Mich	J P Kosta	P.O. Box 292, Birmingham, Mich	
NJ	Norbell Sales Co	211-02 Northern Blvd, Flushing, NY	
NY	Norbell Sales Co	211-02 Northern Blvd, Flushing, NY	
Ohio	J P Kosta Co	P.O. Box 292, Birmingham, Mich	
Pa	Williamson Associates	139 Nevin St, Lancaster, Pa	
	FOURJAY INDUSTRIES	**2360 W. Dorothy Ln, Dayton 39, Ohio**	**AX9-3673**
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	
Cal	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles 46, Cal	
Cal	Koessler Sales Co	676 Fulton St, San Francisco, Cal	
Colo	Stan Clughf & Associates	75 S. Cody Ct, Denver 15, Colo	
Fla	Ted Sharof Associates	910 Van Buren St, Hollywood, Fla	
Ill	Geo Petitt Co., Inc	349 N. Ashland Ave, River Forest, Ill	
Ind	Southern Sales Co	P.O. Box 105, Angola, Ind	
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	
Md	Gene Rosen Associates	9501 Wadsworth Dr, Bethesda, Md	
Mich	Jack Rothsburg Associates	3539 Townsend Ave, Detroit 14, Mich	
Minn	Marvin H Kirkeby Co	204 Sunnyridge Ave, Minneapolis 22, Minn	
Tenn	Jesse P Johnson Co	413 Dome Bldg, Chattanooga 2, Tenn	
Tex	Wybomy Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	
Foreign	Louis D Cohen y Cia	5955 Twin Lakes Dr, South Miami 43, Fla	
Venezuela	Louis D Cohen y Cia	Apartado 10442, Caracas, Venezuela	

	FOX CO C J., THE	**236 Aborn St, Providence 1, R I**	**DE1-1000**

	FOXBORO CO., THE	**Foxboro, Mass**	**KI3-5311**
Ala	Foxboro Co	N. 9 Office Park, Birmingham 13, Ala	TR1-0319
Ala	Foxboro Co	1503 Coalesway Dr, Mobile, Ala	GR1-3593

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Foxboro Co	1212 S. Garfield St, Alhambra, Cal	CU3-6675
Cal	Foxboro Co	399 Preda St, San Leandro, Cal	LO2-5525
Colo	Foxboro Co	2829 E. 2nd Ave, Denver 6, Colo	DE3-4297
Conn	Foxboro Co	62 LaSalle Rd, West Hartford, Conn	AD6-1990
Del	Foxboro Co	Professional Bldg, Wilmington 3, Del	OL6-6674
Fla	Foxboro Co	1726 Prudential Bldg, Jacksonville 7, Fla	EX8-1545
Fla	Foxboro	West Garden Bldg, Pensacola, Fla	HE2-5318
Fla	Foxboro Co	1711 Round Pond Ave, Tampa 4, Fla	TA2-8466
Ga	Foxboro Co	3224 Peachtree Rd, N. E., Atlanta 5, Ga	CE7-6437
Ga	Foxboro Co	9 Althea Pkwy, Savannah, Ga	EL5-5115
Hawaii	Berkley Engineering & Eqpt Co	Hawaiian Airlines Adm Bldg, Honolulu	889-035
Ill	Foxboro Co	4546-8 Oakton St, Skokie, Ill	OR3-6900
Ind	Foxboro Co	720 W. Chicago Ave, E. Chicago, Ind	EX7-1295
Ind	Foxboro Co	7435 Jewell Ln, Indianapolis 20, Ind	WE7-1116
Ind	Foxboro Co	820 Foxglove Dr, Jeffersonville, Ind	JU7-8312
Iowa	Foxboro Co	2020 Oakland Ave, Davenport, Iowa	62611
Kan	Foxboro Co	3900 E. Skinner, Wichita 18, Kan	MU2-9061
La	Foxboro Co	500 Laurel St, Baton Rouge, La	DI4-3741
La	Foxboro Co	P.O. Box 10265, New Orleans 21, La	JA5-4572
La	Foxboro Co	P.O. Box 4334, Shreveport, La	UN1-6388
Me	Foxboro Co	15 Mayflower Rd, Hallowell, Me	MA2-0601
Md	Foxboro Co	6229 N. Charles St Ave, Baltimore 12, Md	DR7-9000
Mass	Foxboro Co	321 Locust St, Danvers, Mass	SP4-0636
Mich	Foxboro Co	18240 W. Seven Mile Rd, Detroit 19, Mich	KE7-9500
Mich	Foxboro Co	609 S. Burdick St, Kalamazoo, Mich	FI5-8928
Minn	Foxboro Co	2929 Yosemite St, Minneapolis 16, Minn	WI4-5998
Mo	Foxboro Co	6315 Brookside Plaza, Kansas City 13	JA3-8048
Mo	Foxboro Co	6617 Clayton Rd, St Louis 17, Mo	PA7-5372
Neb	Foxboro Co	3109 Westgate Rd, Omaha 14, Neb	AT6961
NJ	Foxboro Co	80 Morris Ave, Springfield, N J	DR9-4000
NY	Foxboro Co	604 Columbia Trnpk, E. Greenbush, NY	GR7-6201
NY	Foxboro Co	4 Webster St, N. Tonawanda, N Y	LU8455
NY	Foxboro Co	420 Lexington Ave, New York 17, N Y	LE2-4682
NY	Foxboro Co	75 College Ave, Rochester 7, N Y	HI5-0200
NY	Foxboro Co	2360 James St, Syracuse 6, N Y	HO3-0301
NC	Foxboro Co	213 E. Morehead St, Charlotte 2, N C	FR6-8452
Ohio	Foxboro Co	607 American Bldg, Cincinnati 2, Ohio	GA1-2280
Ohio	Foxboro Co	1579 W. 117th St, Cleveland 7, Ohio	AC6-1060
Ohio	Foxboro Co	502 Colonial Dr, Worthington, Ohio	AX4-4145
Okla	Foxboro Co	211 W. Fifth St, Tulsa 3, Okla	DI3-8189
Ore	Foxboro Co	516 S. E. Morrison St, Portland 14, Ore	BE5-8244
Pa	Foxboro Co	1 Bala Ave, Bala-Cynwyd, Pa	GR7-8000
Pa	Foxboro Co	2270 Noblestown Rd, Pittsburgh 5, Pa	WA2-3000
SC	Foxboro Co	215 McSwain Dr, Greenville, SC	CH4-3046
Tenn	Foxboro Co	871 McCallie Ave, Chattanooga, Tenn	AM7-8357
Tenn	Foxboro Co	1709 Cumberland Ave, S.W., Knoxville	4-3356
Tenn	Foxboro Co	2071 Union Ave, Memphis 4, Tenn	BR2-2638
Tex	Foxboro Co	5100 W. Sixteenth St, Amarillo, Tex	FL6-2256
Tex	Foxboro Co	1905 N. Port Ave, Corpus Christi, Tex	TU4-8858
Tex	Foxboro Co	11710 E. Northwest Hwy, Dallas 18, Tex	DA7-4531
Tex	Foxboro Co	1021 Burgess Dr, El Paso, Tex	KE3-7493
Tex	Foxboro Co	2518 S. Blvd, Houston 6, Tex	JA8-5431
Tex	Foxboro Co	300 N. Jackson St, Odessa, Tex	FE2-9343
Va	Foxboro Co	2100 Bremo Rd, Richmond 26, Va	AT8-1977
Wash	Foxboro Co	4000 Aurora Ave, Seattle 3, Wash	WE3-3660
W. Va	Foxboro Co	309 Nelson Bldg, Charleston 1, W. Va	DI3-5548
Wisc	Foxboro Co	108 S. Appleton St, Appleton, Wisc	RE3-8707
Wisc	Foxboro Co	11735 W. Potter Rd, Milwaukee 13, Wisc	GL3-3410

	FRANKE GEAR WORKS INC	**4401 Ravenswood Ave, Chicago 40, Ill**	**LO1-0950**
Cal	Louis D Martin	553 E. Walnut St, Pasadena, Cal	MU1-8127
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-8265
NY	Robert J Mercy Associates	1776 Broadway, New York 19, NY	CI5-8880
Ohio	George T Wright & Associates	19400 Frazier Dr, Cleveland 16, Ohio	ED1-8656

	FRANKLIN-DALES CO	**180 E. Mill St, Akron, Ohio**	**PO2-7234**

	FRANKLIN ELECTRONICS, COMMUNICATIONS & CONTROL DIV	**5901 Noble Ave, Van Nuys, Cal**	**ST3-4250**

	FRANKLIN FIBRE-LAMITEX CORP	**Box 1768, Wilmington, Del**	**OL8-5269**
NY	Franklin Fibre-Lamitex Corp	129 Lafayette St, New York 13, NY	CA6-4376

	FREBANK CO	**711 W. Broadway, Glendale 4, Cal**	**CH5-6558**
Cal	The Heckerman Corp	814 W. Hyde Park Blvd, Inglewood 3, Cal	OR8-2264
Wash	Seatronics, Inc	1817 Norman St, Seattle 44, Wash	EA3-8545

	FREDERICKS CO	**Bethayres, Pa**	**WI7-2500**
Cal	Charles Merriam Co	5017 Telegraph Rd, Los Angeles, Cal	
Cal	G M Cooke Co	931 Pardee St, Berkeley 10, Cal	
Conn	Northeast Sales Engineering	3013 Dixwell Ave, Hamden, Conn	
La	Hatfield & Co	P.O. Box 7072, Dallas 9, Tex	
Mass	Northeast Sales Engineering	5 Elm St, Danvers, Mass	
NJ	R L Jenkins	30 Leepine Way, Sterling, NJ	
NJ	Bergen-Engle	1518 Bethlehem, Flourtown, Pa	
Ohio	Van Hale Industrial Co	P.O. Box 2602, Cleveland 7, Ohio	
Okla	Hatfield & Co	P.O. Box 7072, Dallas 9, Tex	
Pa	Bergen-Engle	1518 Bethlehem Park, Flourtown, Pa	
Tex	Hatfield & Co	P.O. Box 7072, Dallas 9, Tex	
Canada	Lainsair Ltd	1001 Beaumont Ave, Montreal, Quebec	

	FREED TRANSFORMER CO., INC	**1736 Weirfield St, Brooklyn 27, NY**	**EV6-1300**
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Ariz	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
Ark	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Cal	F W Moultrop Co	575 Tenth St, San Francisco, Cal	MA1-0722
Cal	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
Colo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Conn	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Del	William Drew & Co	145 N. Narbeth Ave, Narbeth, Pa	MO4-8331
DC	William Drew & Co	145 N. Narbeth Ave, Narbeth, Pa	MO4-8331
Fla	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Idaho	M K Widdekind Co	222 First Ave, N., Seattle, Wash	AT4-4869
Ill	Howard L Quick Co	482 Sheridan Rd, Evanston, Ill	DA8-0370
Ind	Howard L Quick Co	482 Sheridan Rd, Evanston, Ill	DA8-0370
Iowa	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Kan	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Me	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Md	William Drew & Co	145 N. Narbeth Ave, Narbeth, Pa	MO4-8331
Mass	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Mich	Howard L Quick Co	482 Sheridan Rd, Evanston, Ill	DA8-0370
Minn	Howard L Quick Co	482 Sheridan Rd, Evanston, Ill	DA8-0370
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL5-5781
Mo	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Mont	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Neb	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Nev	F W Moulthrop Co	575 Tenth St, San Francisco 3, Cal	MA1-0722
Nev	Robert G Moye Co	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
NH	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
NJ	William Drew Co	145 N. Narbeth Ave, Narbeth, Pa	MO4-8331
NM	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	NE7-6405
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL5-5781
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Automatic General Sales	6550 B Troost Ave, Kansas City 10, Mo	DE3-8206
Ore	M K Widdekind Co	222 First Ave, N., Seattle 9, Wash	AT4-4869
Pa	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Pa	William Drew & Co	145 N. Narbeth, Narbeth, Pa	MO4-8331
RI	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL5-5781
SD	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL5-5781
Tex	Automatic General Sales	3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Utah	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Vt	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Va	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL5-5781
Wash	M K Widdekind Co	222 First Ave, N., Seattle 9, Wash	AT4-4869
W. Va	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Wisc	Howard L Quick Co	482 Sheridan Rd, Evanston, Ill	DA8-0370
Wyo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Foreign	Morhan Exporting	458 Broadway, New York 13, NY	WA5-1257
Canada	Conway Electronic Enterprises	1514 Eglinton Ave, W., Tor 10, Ont, Can	RU3-6576
	FREEMAN CO	**8th & Walnut Sts, Yankton, SD**	**NO5-2829**
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
	FRENCHTOWN PORCELAIN CO	**Frenchtown, NJ**	**480**
Ariz	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
Cal	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
Conn	Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn.	TA4-7215
Ill	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Ind	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Me	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mass	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
NH	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
NM	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
Ore	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
RI	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Tex	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
Vt	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Wash	Frank O Bates	9227 8th Ave, Inglewood 4, Cal	PL4-9616
Wisc	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
	FREQUENCY STANDARDS DIV HARVARD INDUSTRIES INC	**Box 504, Asbury Park, NJ**	**PR6-8209**
Ariz	Perlmuth Electronic Associates	5057 W Washington Blvd, L A 7, Cal	WE1-1041
Cal	Perlmuth Electronic Associates	5057 W Washington Blvd, Los Angeles 7	WE1-1041
Conn	George Gregory Associates	99 Elm St, W Newton, Mass	BI4-4832
Del	Wilco Associates	733 15th St, N W Washington 5, DC	EX3-0451
DC	Wilco Associates	733 15th St, N W, Washington 5, DC	EX3-0451
Fla	Ben Wimberly Co	532 S Ft Harrison Clearwater, Fla	CA3-5-3083
Ill	Zak-Cowen	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Ind	Information Flow Engineering	Talbott Tower, Dayton 2, Ohio	BA4-5302
Iowa	Zak-Cowen	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Me	George Gregory Associates	99 Elm St, W Newton, Mass	BI4-4832
Md	Wilco Associates	733 15th St, N.W, Washington 5, DC	EX3-0451
Mass	George Gregory Associates	99 Elm St, W Newton, Mass	BI4-4832
Minn	Zak-Cowen Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Mo	Zak-Cowen Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NH	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NY	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Ohio	Information Flow Engineering	Talbott Tower, Dayton 2, Ohio	BA4-5302
Ore	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
Pa	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Pa	Information Flow Engineering	Talbott Tower, Dayton 2, Ohio	BA4-5302
RI	George Gregory	99 Elm St, W. Newton, Mass	BI4-4832
Tex	Airep Engineering	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Vt	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Va	Wilco Associates	733 15th St, N.W., Washington 5, DC	EX3-0451
Wash	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
W. Va	Wilco Associates	733 15th St, N.W., Washington 5, DC	EX3-0451
Wisc	Zak-Cowen Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Foreign	Frazar & Hansen	301 Clay St, San Francisco 11, Cal	EX2-5112
	FRIEZ INSTRUMENT DIV., BENDIX AVIATION CORP	**1400 Taylor Ave, Baltimore 4, Md**	**VA3-4040**
Cal	Bendix West Coast Div	117 Providencia Ave, Burbank, Cal	VI9-3961
	FUGLE-MILLER LABS INC	**301 Central Ave, Clark, NJ**	**FU1-2727**
NY	H C Johnson Agencies Inc	Rochester, NY	HA6-1090
NY	Baume Sales Co	Bethpage, NY	WE1-7769

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Pacent Engineering Co	Ambler, Pa	MI6-0405
	FULLER CO., H B	**255 Eagle St, St. Paul 2, Minn**	**CA2-0505**
Cal	H B Fuller Co	57 S. Linden Ave, S. San Francisco, Cal	PL6-5450
Cal	H B Fuller Co	3250 Mines Ave, Los Angeles, Cal	AN3-2113
Ga	H B Fuller Co	655 Mead St, S.E., Atlanta, Ga	MA2-3502
Ill	H B Fuller Co	904 W. Blackhawk St, Chicago, Ill	MI2-6300
Kan	H B Fuller Co	200 Funstor Rd, Kansas City, Kan	FI2-3615
Minn	H B Fuller Co	1144 Eustis St, St. Paul, Minn	MI6-8641
NJ	H B Fuller Co	1201 Fuller Rd, Linden, NJ	WA5-2272
NY	H B Fuller Co	1934 Elmwood Ave, Buffalo, NY	RI6366
Ohio	H B Fuller Co	4020 Cherry St, Cincinnati, Ohio	MU1-5420
Ohio	H B Fuller Co	4819 Industrial Ct, St. Bernard, Ohio	AV1-4559
Ore	H B Fuller Co	3332 N.W. Yeon, Portland, Ore	CA6-3494
Tenn	H B Fuller Co	802 Royal Ave, Memphis, Tenn	JA6-4212
Tex	H B Fuller Co	2217 Laws St, Dallas, Tex	RI7-7315
	FULTON SYLPHON DIV., ROBERTSHAW FULTON CONTROLS CO	**P. O. Box 400, Knoxville, Tenn**	**4-1641**
Ala	Haydn Myer Co., Inc	1107 7th Ave, S., Birmingham 5, Ala	FA2-5645
Alaska	Heating Service Co., Inc	314 9th Ave, N., Seattle 9, Wash	MA8660
Ariz	Carns-Hoaglund Co	420 N. 15th Ave, Phoenix, Ariz	AL8-2793
Ark	T J O'Brien Engineering Co	915 W. Second St, Little Rock, Ark	
Cal	Robertshaw Fulton Controls Co	3101 E. Imperial Hwy, Los Angeles, Cal	NE6-9791
Cal	Norman Brown Co	765 Minna St, San Francisco, Cal	UN1-0144
Colo	Herman & von Rosenberg	1051 11th St, Denver, Colo	AC2-2833
Conn	Hoyt-Grant Co	P.O. Box 6157, New Haven 17, Conn	CH8-4447
Del	Robertshaw Fulton Controls Co	21 Euclid Ave, Haddonfield, NJ	HA8-3334
DC	Robertshaw Fulton Controls Co	734 15th St, N.W., Washington 5, DC	DI7-1379
Fla	Roger Magnamara	214 Church & Main Bldg, Orlando, Fla	GA2-2252
Ga	Thermal Engineering Co	P.O. Box 12215, Atlanta 5, Ga	CE3-1550
Hawaii	Honolulu Iron Works	P.O. Box 3140, Honolulu 2, Hawaii	
Idaho	Frederick Co	P.O. Box 2152, Spokane 1, Wash	FA8-3690
Idaho	Midgley-Huber Co	44 W. 8th S. St, Salt Lake City 4, Utah	22-2537
Ill	N W Barnes & Co	568 Wrigley Bldg, Chicago 11, Ill	WH4-6552
Ill	O'Brien Equipment Co	2832 Olive St, St. Louis 3, Mo	JE3-2091
Ill	R S Stover Co	31/2 W. Main St, Marshalltown, Iowa	5557
Ind	Jackson Engineering Co., Inc	P.O. Box 88121, Indianapolis 2, Ind	ME4-3463
Iowa	R S Stover Co	31/2 W. Main St, Marshalltown, Iowa	5557
Kan	Kirk Campbell Co	1735 Locust St, Kansas City, Mo	VI2-2315
Ky	Allan K Cook Co	604 W Main St, Louisville 2, Ky	JU7-1269
La	Eggelhof Engineers Inc	P.O. Box 4056, Shreveport 89, La	8-2451
Me	Crosby & Siegars Inc	P.O. Box 654, Portland 4, Me	SP4-1481-2
Mass	Robertshaw Fulton Controls Co	734 15th St, N.W., Washington, DC	DI7-1379
Md	Robertshaw Fulton Controls Co	238 Main St, Cambridge 42, Mass	TR6-5577
Mich	Robertshaw Fulton Controls Co	8406 W. McNichols Rd, Detroit 21, Mich	JN3-2400
Minn	J E Worley	4441 31st Ave, S., Minneapolis 6, Minn	MI6-1234
Miss	T J O'Brien Eng Co	668 S. Main St, Memphis, Tenn	JA6-0339
Mo	Kirk Campbell Co	1735 Locust St, Kansas City, Mo	VI2-2315
Mo	O'Brien Equipment Co	2832 Olive St, St. Louis 3, Mo	JE3-2091
Mont	Continental Laboratories Inc	P.O. Box 97, Billings, Mont	
Neb	D E McCurley Co	1903 Jones St, Omaha 2, Neb	WE6373
Nev	Midgley-Huber Co	44 W. Eighth South St, Salt Lake City, Utah	22-2537
NH	Crosby & Siegars Inc	P.O. Box 654, Portland 4, Me	SP4-1481-2
NJ	King & Shepherd	50 Church St, New York 7, NY	CO7-1456
NJ	Robertshaw Fulton Controls Co	21 Euclid Ave, Haddonfield, NJ	HA8-3334
NM	Boyd Engineering Co	P.O. Box 598, Albuquerque, NM	3-2247
NY	King & Shepherd	50 Church St, New York 7, NY	CO7-1456
NY	Robertshaw Fulton Controls Co	Albany Office, Kinderhook, NY	MU4-2356
NY	Robertshaw Fulton Controls Co	797 Military Rd, Buffalo 17, NY	DE1515
NC	Chas M Setzer & Co	P.O. Box 1867, Charlotte 1, NC	ED2-3550
NC	Richard K Hunter Co	P.O. Box 8357, Greensboro, NC	BR2-0800
ND	J E Worley	4441 31st Ave, S., Minneapolis 6, Minn	MI6-1234
ND	Continental Laboratories Inc	P.O. Box 97, Billings, Mont	
Ohio	Robertshaw Fulton Controls Co	1991 Lee Rd, Cleveland 18, Ohio	YE2-6242
Ohio	Robertshaw Fulton Controls Co	4866 Cooper Rd, Cincinnati 42, Ohio	TW1-6072
Okla	Eggelhof Engineers Inc	1524 Hunt Bldg, Tulsa 3, Okla	LU7-6048
Ore	Bert Farnes Co	Builders Exch Bldg, Portland, Ore	CA7-1766
Pa	Robertshaw Fulton Controls Co	21 Euclid Ave, Haddonfield, NJ	HA8-3334
Pa	Keystone Sales Co	Box 4201, Bellevue Sta, Pittsburgh, Pa	PC1-0626
RI	Robertshaw Fulton Controls Co	238 Main St, Cambridge 42, Mass	TR6-5577
SC	Chas M Setzer & Co	P.O. Box 1867, Charlotte 1, NC	ED2-3550
SD	J E Worley	4441 31st Ave, S., Minneapolis 6, Minn	MI6-1234
SD	Continental Laboratories Inc	P.O. Box 97, Billings, Montana	
Tenn	George H Giesler	P.O. Box 484, Knoxville 1, Tenn	8-9321
Tenn	T J O'Brien Engineering Co	668 S. Main St, Memphis, Tenn	JA6-0339
Tex	Eggelhof Engineers Inc	P.O. Box 1743, Houston 3, Tex	CA8-6471
Utah	Midgley-Huber Co	44 W. Eighth S. St, Salt Lake City 4, Utah	22-2537
Vt	Robertshaw-Fulton Controls Co	238 Main St, Cambridge 42, Mass	TR6-5577
Va	H M Summerell Co	Seaboard Bldg, Richmond 21, Va	
Wash	Heating Service Co	314 Ninth Ave, N., Seattle 9, Wash	MA8660
W. Va	Robertshaw Fulton Controls Co	4866 Cooper Rd, Cincinnati 42, Ohio	TW1-6072
Wisc	N W Barnes & Co	3718 N. 92nd St, Milwaukee 16, Wisc	HO1-2640
Wisc	J E Worley	4441 31st Ave, S., Minneapolis 6, Minn	MI6-1234
Wyo	Herman & Von Rosenberg	1051 11th St, Denver	AC2-2833
Wyo	Continental Laboratories Inc	P.O. Box 97, Billings, Mont	
Foreign	Robertshaw Fulton Controls Co	911 E. Broad St, Richmond 19, Va	MI4-3083
	FURANE PLASTICS INC	**4516 Brazil St, L A 39, Cal**	**CH5-1151**
Ala	Dane & Co	Box 78, Sandy Springs, Ga	CE7-1490
Ariz	Fryco	Box 464, Scottsdale, Ariz	WH5-3281
Ark	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Cal	Ellenje Co	345 California Ave, Palo Alto, Cal	DA6-1665
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Robert S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Repco Sales	401 N. West 71st St, Miami 38, Fla	PL7-2911
Ga	Dane & Co	Box 78, Sandy Springs, Ga	CE7-1490
Hawaii	Pacific Marine Supply	Pier 13 - 14, Honolulu 17, Hawaii	
Idaho	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Ill	George Petitt Co., Inc	349 Ashland Ave, River Forest, Ill	CO1-0342
Ind	Richard C Warner & Associates	Box 338, South Whitley, Ind	SO350
Iowa	W E Fry & Co., Inc	406 W. 34th Ave, Kansas City 11, Mo	JE1-5236
Kan	Tri-State Sales Co	Box 1543, Wichita 1, Kan	AM7-4022

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
La	J Samuel Butler	1211 Valence St, New Orleans, La	TW5-1517
Me	Robert S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Robert S Pettigrew & Co., Inc	45 Main St, Natick, Mass	OL3-6480
Mich	H Stark & Sons	16147 Meyers Rd, Detroit 25, Mich	UN3-6200
Minn	Dygert & Co	5220 W. 56th St, Minneapolis 24, Minn	WE9-7784
Miss	J Samuel Butler	1211 Valence St, New Orleans, La	TW5-1517
Mo	W E Fry & Co., Inc	406 W 34th Ave, Kansas City 11, Mo	JE1-5236
Mont	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Neb	W E Fry & Co., Inc	406 W. 34th Ave, Kansas City 11, Mo	JE1-5236
NH	R S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
NJ	F F Sylvester & Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NM	Fryco	Box 464, Scottsdale, Ariz	WH5-3281
NY	Malcolm Bard Co	2063 Baker Ave, Schenectady 9, NY	EX3-2729
NY	F F Sylvester & Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NY	Furane Plastics Inc	42 Chasner St, Hempstead, NY	IV3-6246
NC	Dane & Co	Box 78, Sandy Springs, Ga	CE7-1490
ND	Dygert Co	5220 W. 56th St, Minneapolis 24, Minn	WE9-7784
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Herbert B Ellefson Co	201 S. Calhoun St, Fort Worth, Tex	ED5-9555
Ore	Houston Co., Inc	King City Airport, Seattle 8, Wash	PA5-7990
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Robert S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
SC	Dane & Co	Box 78, Sandy Springs, Ga	CE7-1490
SD	Dygert Co	5220 W. 56th St, Minneapolis 24, Minn	WE9-7784
Tenn	Dane & Co	Box 78, Sandy Springs, Ga	CE7-1490
Tex	Herbert B Ellefson Co	201 S. Calhoun St, Fort Worth, Tex	ED5-9555
Utah	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Vt	Robert S Pettigrew & Co., Inc	10 N. Main St, West Hartford, Conn	AD3-8533
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Houston Co., Inc	N. Annex, King City Airport, Seattle 8	PA5-7990
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	J W Copps Inc	333 W. Silver Spring Dr, Milwaukee 17	WO2-1211
Wyo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
	FUSITE CORP	**6000 Fernview Ave, Cincinnati 13, Ohio**	**RE1-2020**
Ala	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Ariz	Shepler-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
Ark	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Cal	E E Starr	4101 Rhodes Ave, N. Hollywood, Cal	TR7-5879
Cal	R R Slater	420 Market St, San Francisco, Cal	EX2-9154
Conn	Richard Whitehead Associates	57 Whitfield, Guilford, Conn	GL3-3762
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Idaho	R R Slater	Terminal Sales Bldg, Seattle, Wash	MA3860
Ill	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Ill	Harry W Gebhard Co	5129 Devon Ave, Chicago 30, Ill	RO3-3636
Ind	Jack Hudnall	Box 304, Terrace Park, Ohio	TE1-4613
Iowa	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Iowa	Forristal-Young Sales Co	5053 Broadway, Kansas City 11, Mo	VA1-5330
Kan	Forristal-Young Sales Co	5053 Broadway, Kansas City 11, Mo	VA1-5330
Ky	Jack Hudnall	Box 304, Terrace Park, Ohio	TE1-4613
La	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Me	Lundey Sales Corp	694 Main St, Waltham, Mass	TW3-6064
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Lundey Sales Corp	694 Main St, Waltham, Mass	TW3-6064
Mich	Midwest Sales Co	2319 W. 117 St, Cleveland, Ohio	WI1-2700
Minn	Heimann & Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Miss	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Mo	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Mo	Forristal-Young Sales Co	5053 Broadway, Kansas City 11, Mo	VA1-5330
Neb	Forristal-Young Sales Co	5053 Broadway, Kansas City 11, Mo	VA1-5330
NH	Lundey Sales Corp	694 Main St, Waltham, Mass	TW3-6064
NJ	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
NJ	Hamilton Electronic Lab	560 Freeman St, Orange, NJ	OR6-5656
NM	Shefler-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
NY	Hamilton Electronic Lab	560 Freeman St, Orange, NJ	OR6-5656
NY	Martin P Andrews Inc	319 Mott St, Fayetteville, NY	NE7-6405
NC	W E France	517 Midway St, Hendersonville, NC	OX3-4202
ND	Heimann & Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Ohio	Roy M Howard Co	2319 W. 117 St, Cleveland, Ohio	WI1-2700
Ohio	Jack Hudnall	Box 304, Terrace Park, Ohio	TE1-4613
Okla	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Ore	R R Slater	915 Terminal Sales Bldg, Seattle, Wash	MA3860
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Lundey Sales Corp	694 Main St, Waltham, Mass	TW3-6064
SC	W E France	517 Midway St, Hendersonville, NC	OX3-4202
SD	Heimann & Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Tenn	Buchanan & Abrams Associates	Box 6026, Orlando, Fla	GA3-8995
Tenn	W E France	517 Midway St, Hendersonville, NC	OX3-4202
Tex	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Vt	Lundey Sales Corp	694 Main St, Waltham, Mass	TW3-6064
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	R R Slater	Terminal Sales Bldg, Seattle, Wash	MA3860
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Foreign	Fusite N V	Konicweg-16, Almelo, Holland	
	GB COMPONENTS INC	**14621 Arminta St, Van Nuys, Cal**	**ST0-6809**
	G-C ELECTRONICS CO DIV TEXTRON ELECTRONICS	**400 S. Wyman St, Rockford, Ill**	**WO8-9661**
Ala	The Clark Adair Co	1426 High Pt Pl, N.E., Atlanta 6, Ga	TR5-3979
Alaska	Dave M Lee Co	2517 Second Ave, Seattle 1, Wash	MA2-5512
Ariz	Stan Cluphf & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
Ark	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Cal	Harold L Newnan	56 - 41st Ave, San Mateo, Cal	FI1-3433
Cal	Mueller Electronics Sales Co	3225 Exposition Pl, Los Angeles, Cal	EX5-4242
Colo	Stan Cluphf & Associates	75 Cody Ct, Denver 15, Colo	BE3-6025
Conn	Mosher & Peyser	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Del	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
DC	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Ga	The Clark Adair Co	1426 N.E. High Pt Pl, Atlanta 6, Ga	TR5-3979
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu 17, Hawaii	8-3105
Idaho	Stan Cluphf & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
Idaho	Dave M Lee Co., Inc	2517 Second Ave, Seattle 1, Wash	MA2-5512
Ill	Levin-Sacks & Associates	2639 W. Peterson, Chicago 45, Ill	LO1-7290
Ill	Herbert Knaggs	7503 Melba Ln, Belleville, Ill	EX7-2398
Ind	Burton F Homsher	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Iowa	Herbert Knaggs	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	Herbert Knaggs	7503 Melba Ln, Belleville, Ill	EX7-2398
Ky	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Ky	Burton F Homsher Co	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
La	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Me	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Md	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Md	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Mass	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Mich	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	TA5-1234
Miss	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Pa	TR5-3979
Mo	Herbert Knaggs	7503 Melba Ln, Belleville, Ill	EX7-2398
Mont	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Mont	Stan Cluphf & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
Neb	Herbert Knaggs	7503 Melba Ln, Belleville, Ill	EX7-2398
Nev	Mueller Electronic Sales	3225 Exposition Pl, Los Angeles, Cal	AX5-3239
Nev	Harold L Newman	56 - 41st Ave, San Mateo, Cal	FI1-3433
NH	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
NJ	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
NJ	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NM	Stan Cluphf & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
NY	R W Mitscher Co	487 Ellicott Sq Bldg, Buffalo, NY	
NY	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NC	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
ND	Stan Clothier Co	12 W. 58th St, Minneapolis 19. Minn	TA5-1234
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Okla	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Ore	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Pa	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
RI	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
SC	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
SD	The Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19. Minn	TA5-1234
Tenn	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
Tex	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Utah	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Vt	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Va	The Clark Adair Co	1426 Highpoint Pl, N.E., Atlanta 6, Ga	TR5-3979
Wash	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
W. Va	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Wisc	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19. Minn	TA5-1234
Wisc	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Wyo	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Foreign	East Coast International	1900-32 N.W. Miami Ct. Miami 36, Fla	FR1-5506
Canada	D Elson McLennon	1624 W. 3rd Ave, Vancouver, B C, Can	BA2898
Canada	Charles W Pointon Ltd	66 Racine, Rexdale, Ontario, Canada	LE4-7984
Foreign	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill	FR2-8785
	G-L ELECTRONICS CO., INC	**2921 Adm Wilson Blvd, Camden 5, NJ**	**WO6-2780**
Ala	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Cal	Raymond Kimball	35 N. Raymond Ave, Pasadena, Cal	MU1-9603
Conn	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	T 1086
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	Ti1086
Idaho	Myron R Smith	P.O. Box 246, Kirkland, Wash	GL4-9400
Ill	H Sam Tollaksen	300 W. Adams St, Chicago 6, Ill	CE6-2964
Iowa	E B Schwerin	4210 Main St, Kansas City, Mo	WE7564
Kan	E B Schwerin	4210 Main St, Kansas City, Mo	WE7564
Me	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Henry Lavin Associates	P. O. Box 196, Meriden, Conn	BE7-5527
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Mo	E B Schwerin	4210 Main St, Kansas City, Mo	WE7564
Mont	Myron R Smith	P.O. Box 246, Kirkland, Wash	GL4-9400
Neb	E B Schwerin	4210 Main St, Kansas City, Mo	WE7564
NH	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
NJ	Francis J Hayes	618 Syracuse Ave, Massepequa, NY	PE1-0506
NY	Francis J Hayes	618 Syracuse Ave, Massepequa, NY	PE1-0506
NY	John Lazor	P.O. Box 307, Rochester 1, NY	[illegible]
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
ND	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Ore	Myron R Smith	P.O. Box 246, Kirkland, Wash	GL4-9400
Pa	Robso Sales & Engineering Service	First Nat'l Bk Bldg, Pittsburgh, Pa	GR1-7272
Pa	Joseph Duming	5148 Keyser St, Philadelphia, Pa	VI8-4680
SC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	T 1086
SD	Engineering Products Associates	1820 University Ave, St. Paul 4, Minn	MI6-3443
Tenn	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI1086
Vt	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Myron R Smith	Kirkland, Wash	GL4-9400
Wisc	H Sam Tollaksen	300 W. Adams St, Chicago 6, Ill	CE6-2964
	GM DIESEL GENERAL MOTORS CORP	**13400 W. Outer Dr, Detroit 28, Mich**	**KE1-7100**
Cal	G M Diesel	235 Montgomery St, San Francisco 4, Cal	EX7-0273
Ga	G M Diesel	359 E. Paces Ferry Rd, N.E., Atlanta 5	[illegible]
Ill	G M Diesel	110 N. Wacker Dr, Chicago 6, Ill	[illegible]
Mich	G M Diesel	36501 Van Born Rd, Wayne, Mich	PA1-1000
NY	G M Diesel	10 Columbus Circle, New York 19, NY	PL7-4000
Tex	G M Diesel	1412 Main St, Dallas 2, Tex	RI1-1208
	G-M LABORATORIES INC	**4300 N. Knox Ave, Chicago, Ill**	**PE6-1800**
Ariz	R E McGlendor & Co	915 Yale Blvd, S.E. Albuquerque, NM	CH3-4551
Conn	J J Baron	1250 Ave V, Brooklyn 29, NY	DE9-1375

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
DC	P C Cameron	1145 19th St, N.W., Washington 6, DC	NA8-4355
Me	Pacent-Welling Co	Statler Office Bldg, Boston, Mass	HA6-2248
Md	J J Baron	1250 Ave V, Brooklyn 29, NY	DE9-1375
Mass	Pacent-Welling Co	Statler Office Bldg, Boston, Mass	HA6-2248
NH	Pacent-Welling Co	Statler Office Bldg, Boston, Mass	HA6-2248
NJ	J J Baron	1250 Ave V, Brooklyn 29, NY	DE9-1375
NM	R E McClendon & Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	J J Baron	1250 Ave V, Brooklyn 29, NY	DE9-1375
Pa	J J Baron & Co	1250 Ave V, Brooklyn 29, NY	DE9-1375
RI	Pacent-Welling Co	Statler Office Bldg, Boston, Mass	HA6-2248
Tex	R E McClendon & Co	137 Walnut Hill Village, Dallas 20, Tex	FL2-4054
Vt	Pacent-Welling Co	Statler Office Bldg, Boston, Mass	HA6-2248
	GPE CONTROLS INC	**240 E.Ontario St, Chicago 11, Ill**	**WH4-3700**
Ala	McConnell Sales & Engineering Corp	1661-28th Ave, S., Birmingham 9, Ala	TR1-3501
Cal	GPE Controls Inc	40 E. Verdugo Ave, Burbank, Cal	TH5-1784
Cal	Bojanower Machinery Service Co	5270 E. Washington Blvd, Los Angeles	AN3-6175
Colo	Peterson Co	4949 Colorado Blvd, Denver 16, Colo	DE3-5434
La	E C Deshautreaux Jr	P.O. Box 261, Kenner, La	KE(21)4-4665
Mich	GPE Controls Inc	20131 Jms Couzens Hwy, Detroit, Mich	VE8-8683
Mo	W C Carolan Co	612 W. 47th St, Kansas City 12, Mo	JE1-5505
NJ	GPE Controls Inc	175 Market St, Paterson 1, NJ	LA5-0561
NY	GPE Controls Inc	14 Lafayette Sq, Buffalo, NY	MO0997
Ohio	GPE Controls Inc	1836 Euclid Ave, Cleveland 15, Ohio	CH1-1633
Ohio	Harry T Porter Co	503 Worthington Ave, Cincinnati 15, Ohio	PO1-2500
Pa	GPE Controls Inc	410 Old York Rd, Jenkintown, Pa	TU6-5155
Pa	GPE Controls Inc	104-6th St, Pittsburgh 22, Pa	GR1-7085
SC	Marshall & Williams Equipment Co	P.O. Box 5285, Sta B, Greenville, SC	CE2-7338
Tenn	Eads Co., The	1115 Dunlavy St, Houston 19, Tex	JA6-1646
Tex	Wright Industrial Products Co	5738 N. Central Expwy, Dallas 6, Tex	TA4-2571
Utah	Specialty Sales Co	117 W. 2nd South St, Salt Lake City 1, Utah	DA2-5553
Canada	Process-Instrument Systems Ltd	44 Haas Rd, Toronto, Rexdale P.O. Can	CH1-4401
	GPL DIV GEN'L PRECISION INC	**63 Bedford Rd, Pleasantville, NY**	**RO9-500**
Ala	Patric McDuffie	Holliday Office Ctr, 3312 Memorial Pkwy, S., Huntsville	
Ala	W A Brown Associates	201 Capron Rd, Indian River City, Fla	
Alaska	Effco Electronics	320 Fifth Ave, Anchorage, Alaska	AN3-4113
Ark	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	LA6-7238
Cal	J M Kees Mfr	180 N. Vinedo Ave, Pasadena, Cal	SY5-5869
Cal	R M Brunson Associates	7740 Girard Ave, La Jolla, Cal	
Cal	Space Data Inc	8921 Sepielveda Blvd, Los Angeles, Cal	
Colo	Kister Electric Co	520 E. Colorado St, Colorado Springs, Colo	
Conn	Broger Instrument Sales Co., Inc	48 Pearle St, Brookline 47, Mass	BE2-4804
Del	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI-1086
DC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	TI-1086
DC	C T French, G P E Corp	777 14th St, N.W., Washington, DC	ME8-4229
Fla	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	T 1066
Ga	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	T 1086
Idaho	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA6-4148
Ill	Illinois Electronic Systems	1219 Howard St, Evanston, Ill	BR3-3935
Ind	Illinois Electronic Systems	1219 Howard St, Evanston, Ill	BR3-3935
Kan	Lee Mark Associates	P.O.Box 8467, Kansas City 14, Mo	NI2-3313
Ky	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	T 1086
La	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	LA6-7238
Me	Broger Instrument Sales Co	48 Pearle St, Brookline, Mass	BE2-4804
Md	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	T 1086
Mass	Broger Instrument Sales Co	48 Pearle St, Brookline, Mass	BE2-4804
Mich	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Minn	Arrow Technical Sales	Box 273B, Rt 2, Osseo, Minn	LI5-6595
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Mo	Lee Mark Associates	P.O.Box 8467, Kansas City 14, Mo	NI2-3313
Mont	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA6-4148
Neb	Lee Mark Associates Inc	P.O.Box 8467, Kansas City 14, Mo	NI2-3313
NH	Broger Instrument Sales Co., Inc	48 Pearle St, Brookline, Mass	BE2-4804
NM	Kittleson Co	P.O.Box 803, Alamogordo, NM	[illegible]
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	
ND	Arrow Technical Sales	Box 273B, Rt 2, Osseo. Minn	LI5-6595
Ohio	E M Lisowski	333 W. 1st St, Dayton 25, Ohio	BA4-0671
Ohio	M P Odell Co	26614 Center Ridge Rd. Westlake, Ohio	[illegible]
Okla	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	[illegible]
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA6-4148
Pa	M P Odel	26614 Center Ridge Rd, Westlake, Ohio	
Pa	G P L	63 Bedford Rd, Pleasantville, NY.	[illegible]
RI	Broger Instrument Sales Co., Inc	48 Pearle St, Brookline, Mass	BE2-4804
	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	
SD	Arrow Technical Sales	Box 273, Rt 2, Osseo, Minn	LI5-6595
Tenn	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	
Tex	W H Bigger	6300 N. Central Expwy. Dallas 6, Tex	EM1-5522
Tex	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	[illegible]
Utah	Scientific Instruments	1460 Pennsylvania St, Denver, Colo	[illegible]
Vt	Broger Instrument Sales Co., Inc	48 Pearle St, Brookline, Mass	BE2-4804
Va	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	
Wash	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA6-4148
W Va	W A Brown Associates Inc	201 Capron Rd, Indian River City, Fla	
Wisc	Arrow Technical Sales	Box 273B, Rt 2, Osseo. Minn	LI5-6595
Wisc	Illinois Electronic Systems	1219 Howard St, Evanston, Ill	BR3-3935
Wyo	Scientific Instruments	1460 Pennsylvania St, Denver, Colo	AL5-2777
Canada	Northern Electric Co Ltd	250 Sidney St, Bellville, Ontario, Canada	WO2-4511
Foreign	General Precision Systems Ltd	Aylesbury, Buckinghamshire, England	
Foreign	Societe D'Applications Gen D'Electricte & De Mecanique	6 Avene d'Iena, Paris (16), France	
	GPS INSTRUMENT CO., INC	**180 Needham St, Newton 64, Mass**	**DE2-8110**
	G R H HALLTEST CO	**157 S. Morgan Blvd, Valparaiso, Ind**	**HO2-7440**
	G-V CONTROLS INC	**Okner Pkwy, Livingston, NJ**	**WY2-6200**
Ala	Frank C Nickerson Co	1202 Zonolite Rd, N.E., Atlanta Ga	TR5-8908
Alaska	Arva Inc	1320 Prospect St, Seattle Wash	MA2-0177
Ariz	M A Stolanott Co., Inc	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Ark	Walter E Bonnemann	4719 Cartier Ave, New Orleans, La	FA2504
Cal	M A Stolanott Co., Inc	4622 W. Slauson Ave, L A, Cal	AX3-6226
Cal	Win W Tompkins Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Colo	Hytronic Measurements Inc	1295 S. Bancock, Denver, Colo	SH4-2241
Conn	Todion Engineering Sales Inc	50 Keamy Rd, Needham Hieghts, Mass	HI4-7925

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Del	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
DC	L G White Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Frank C Nickerson Co	1202 Zonolite Rd, N.E., Atlanta, Ga	TR5-8908
Ga	Franck C Nickerson Co	1202 Zonolite Rd, N.E., Atlanta, Ga	TR5-8908
Hawaii	Arva Inc	1320 Prospect St, Seattle Wash	MA2-0177
Idaho	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Ill	Bierhaus-Balhom Sales Inc	7185 W. Armitage Ave, Chicago, Ill	TU9-0511
Ill	W E Fry Co	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Ind	Tant Enterprises Inc	16254 Meyers Rd, Detroit, Mich	UN3-2665
Ind	Technical Associates Inc	4475 Nanden Rd, Chagrin Falls, Ohio	TE1-9884
Iowa	H M Richardson Co., Inc	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Kan	W R Fry Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
Ky	Technical Associates Inc	4475 Nanden Rd, Chagrin Falls, Ohio	TE1-9884
La	Walter E Bornemann	4719 Cartier Ave, New Orleans, La	FA2504
Me	Todino Engineering Sales Co., Inc	50 Keamy Rd, Needham Heights, Mass	HI4-7925
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Todino Engineering Sales Co., Inc	50 Keamy Rd, Needham Hieghts, Mass	HI4-7925
Mich	Tant Enterprises Inc	16254 Meyers Rd, Detroit, Mich	UN3-2665
Minn	H M Richardson & Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Miss	Walter E Bonneman	4719 Cartier Ave, New Orleans, La	FA2504
Mo	W R Fry Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
Mont	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Neb	W R Fry Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
Nev	Win W Tompkins	2363 Birch St, Palo Alto, Cal	DA6-7940
NH	Todino Engineering Sale Co., Inc	50 Keamey Rd, Needham Heights, Mass	HI4-7925
NJ	John W Richardt Co	Rt 46, Pine Brook, NJ	CA8-0600
NJ	L G White & Co	108 Forrest Ave, Narberth, Pa	MO4-6505
NM	Hytronic Measurements Inc	1295 S. Bannock, Denver, Colo	SH4-2241
NY	John W Richardt Co	Rt 46, Pine Brook, NJ	CA8-0600
NY	Alan E DeCew Agency	P.O. Box 207, Sodus, NY	SO3261
NC	L G White & Co	P.O. Box 2356, Winston Salem, NC	WI5-3612
ND	H M Richardson & Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Ohio	Technical Associates Inc	4475 Nander Rd, Chagrin Falls, Ohio	TE1-9884
Okla	Wright Industrial Products	5738 N. Central Expwy, Dallas, Tex	TA4-2577
Ore	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Pa	L G White & Co	108 Forrest Ave, Narberth, Pa	MO4-6505
Pa	Technical Associates Inc	4475 Nander Rd, Chagrin Falls, Ohio	TE1-9884
RI	Todino Engineering Sales Co., Inc	50 Keamey Rd, Needham Hieghts, Mass	HI4-7925
SC	Frank C Nickerson Co	1202 Zonolite Rd, N.E., Atlanta, Ga	TR5-8908
SD	H M Richardson & Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Tenn	Frank C Nickerson Co	1202 Zonolite Rd, N.E., Atlanta, Ga	TR5-8908
Tex	Wright Industrial Products	5738 N. Central Expwy, Dallas, Tex	TA4-2577
Utah	Hytronic Measurements Inc	1295 S. Bannock, Denver, Colo	SH4-2241
Vt	Todino Engineering Sales Co., Inc	50 Keamey Rd, Needham Hieghts, Mass	HI4-7925
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
W.Va	Technical Associates Inc	4475 Nander Rd, Chagrin Falls, Ohio	TE1-9884
Wisc	Bierhaus & Balhom Sales Inc	7185 W. Armintage Ave, Chicago, Ill	TU9-0511
Wyo	Hytronic Measurements Inc	1295 S. Bannock, Denver, Colo	SH4-2241
Foreign	Machine & Products Inc	52 Wall St, New York City, NY	WH4-4370
	GABRIEL ELECTRONICS, DIV OF THE GABRIEL CO	**Main & Pleasant Sts, Millis, Mass**	**FR6-2953**
Ala	R C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	Ralph W Johnson	2101 Oak Valley Rd, Glendale 8, Cal	
Cal	Ralph W Johnson	2101 Oak Valley Rd, Glendale 8, Cal	
Conn	James Kelley	Charles River Park, Medway, Mass	
Fla	R C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ga	R C Raymund & Associates	P.O. Box 8215,Madeira Beach, Fla	
Me	James Kelley	Charles River Park, Medway, Mass	
Mass	James Kelley	Charles River Park, Medway, Mass	
NH	James Kelley	Charles River Park, Medway, Mass	
NJ	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
NM	Ralph W Johnson	2101 Oak Valley Rd, Glendale, Cal	
NY	R P Kennedy Co	182 Mayflower Dr, Rochester, NY	BR1-6322
NY	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
NC	R C Raymund Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Pa	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
RI	James Kelley	Charles River Park, Medway, Mass	
SC	R C Raymund Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Tenn	R C Raymund Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Vt	James Kelley	Charles River Park, Medway, Mass	
	GAERTNER SCIENTIFIC CORP	**1239 Wrightwood, Chicago 14, Ill**	**BU1-5335**
	GALBRAITH-PILOT MARINE CORP	**602 Fourth Ave, Brooklyn, NY**	
	GAMEWELL CO., THE	**1238 Chestnut, Newton Upper Fls, Mass**	**BI4-1240**
Ariz	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood, Cal	HO9-6728
Cal	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood, Cal	HO9-6728
Colo	Spicer Lindsay Associates	4960 E. Evans Ave, Denver Col	SK6-0627
Conn	Electrical Mfrs Service	265 Church St, New Haven, Conn	UN5-9104
Del	Electrical Mfrs Service	201 S. Broadway, Camden, NJ	WO4-8014
DC	Electrical Mfrs Service	201 S. Broadway, Camden, NJ	WO4-8014
Fla	Electrical Mfrs Service	65 E. Church St, Orlando, Fla	GA5-7515
Ill	Engineered Sales Co	3592 Milwaukee Ave, Chicago, Ill	PE6-0555
Ind	Engineered Sales Co	3592 Milwaukee Ave, Chicago, Ill	PE6-0555
Iowa	Engineered Sales Co	3592 Milwaukee Ave, Chicago, Ill	PE6-0555
Kan	Robert B Stakihut	12760 Post Oak Rd, St. Louis, Mo	YO5-4663
Md	Electrical Mfrs Service	381 Mattueson Bldg, Baltimore, Md	LE9-2131
Mass	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
Mich	Carl H Schmidt Co	16405 W. Eight Mile Rd, Detroit, Mich	BR3-8500
Mo	Robert B Slotelhut	12760 Post Oak Rd, St. Louis, Mo	YO5-4663
NH	Electrical Mfrs Service	680 Main St, Waltham, Mass	TW3-0100
NJ	Electrical Mfrs Service	18 Yale St, Nutley, NJ	NO7-2541
NY	Electrical Mfrs Service	105 Hillside Ave, Williston Park, NY	PI2-1616
NC	Electrical Mfrs Service	P. O. Box 5091, High Point, NC	HI2-3495
Pa	Electrical Mfrs Service	201 S. Broadway, Camden, NJ	WO4-8014
RI	Electrical Mfrs Service	265 Church St, New Haven, Conn	UN5-9104
SC	Electrical Mfrs Service	P.O. Box 5091, High Point, NC	HI2-3495
Wash	Myron R Smith Co	9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Canada	Douglas Randall (Canada) Ltd	126 Manville Rd, Scarborough, Ontario	PL9-2291
	GAR PRECISION PARTS INC	**190 Henry St, Stamford, Conn**	**FI8-2671**
Cal	Engineering Sales & Service Co	3100 Airpor Ave, Santa Monica, Cal	EX7-4237

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Colo	Brown Technical & Associated Sales 130 S. Yarrow St, Lakewood 15, Colo	BE7-3467
Ga	Don Wheeler & Associates 929 Burnt Hickory Dr, S.W., Atlanta, Ga	PL8-2979
Ind	Dem Sales Co P.O. Box 55232, Indianapolis 5, Ind	LI6-2452
Kan	Benson Engineering Co 519 S. Broadway, Wichita, Kan	AM2-6971
Mass	R P Mahan Co South Lincoln, Mass	CL9-9300
Ohio	Roc Associates Inc P.O. Box 241, Worthington, Ohio	TU5-1057
Tex	Robco 4515 Prentice St, Dallas 6, Tex	EM8-3338

	GARDE MFG CO 53 John St, Cumberland, RI	PA6-4200
Cal	Perlmuth Electronic Associates 5057 W. Washington Blvd, L A, Cal	WE1-1041
Conn	Henry P Segel Co 386 Washington Ave, Brookline, Mass	BE2-7525
DC	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
Fla	Chris Small P.O. Box 1346, Orlando, Fla	OR4-2071
Ill	Arthur J Ellis Co 1607 Howard St, Chicago, Ill	AM2-2708
Ind	Arthur J Ellis Co 1607 Howard St, Chicago, Ill	AM2-2708
Me	Henry P Segel Co 386 Washington Ave, Brookline, Mass	BE2-7525
Md	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
Mass	Henry P Segel Co 386 Washington Ave, Brookline, Mass	BE2-7525
Mich	R G Dailey Co 201 E. Catherine St, Ann Arbor, Mich	NO8-6908
NH	Henry P Segel Co 386 Washington Ave, Brookline 46, Mass	BE2-7525
NJ	A P Mauceli P.O. Box 111, Brooklyn 37, NY	HY7-3578
NJ	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
NM	Sheller-Kahn Co P. O. Box 1587, Phoenix, Ariz	AL8-7893
NY	Arthur F Schultz 96 Oxford Rd, New Hartford, NY	RE2-3266
NY	A P Mauceli P.O. Box 111, Brooklyn 37, NY	HY7-3578
NC	D G Quinlan Co National Bank Bldg, Amber Pa	MI6-7250
Ohio	R G Dailey Co 201 E. Catherine St, Ann Arbor, Mich	NO8-6908
Pa	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
RI	Henry P Segel Co 386 Washington Ave, Brookline 46, Mass	BE2-7525
SC	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
Vt	Henry P Segel Co 386 Washington Ave, Brookline 46, Mass	BE2-7525
Va	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
W.Va	D G Quinlan Co National Bank Bldg, Ambler, Pa	MI6-7250
Wisc	Arthur J Ellis Co 1607 Howard St, Chicago, Ill	AM2-2708

	GARDINER ELECTRONICS 2545 E.Indian School Rd, Phoenix, Ariz	CR4-9681

	GARDNER-DENVER CO S.Front St, Quincy, Ill	BA2-5400
Ala	Gardner-Denver Co 716 N. Ninth St, Birmingham 4, Ala	FA2-8711
Alaska	Gardner-Denver Co 615 Eight Ave, S., Seattle 4, Wash	MA4-1115
Ariz	Gardner-Denver Co 7654 E. Slauson Ave, Los Angeles, Cal	RA3-8711
Ariz	Gardner-Denver Co 1604 E. Paisano Dr, El Paso, Tex	KE2-5656
Ark	Gardner-Denver Co 6011 N. Lindbergh Blvd, Hazelwood, Mo	PE1-2220
Cal	Gardner-Denver Co 811 Folsom St, San Francisco 7, Cal	EX2-8747
Cal	Gardner-Denver Co 7654 E. Slauson Ave, Los Angeles 22, Cal	RA3-8711
Colo	Gardner-Denver Co 1727 E. 39th Ave, Denver 1, Colo	AC2-9393
Conn	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
Del	Gardner-Denver Co 4309 Rising Sun Ave, Phila 40, Pa	GL7-3150
DC	Gardner-Denver Co 6200 Chillum Pl, Washington 11, DC	RA3-6366
Fla	Gardner-Denver Co 716 N. Ninth St, Birmingham 4, Ala	FA2-8711
Fla	Gardner-Denver Co 1114 W. Peachtree St, N.W., Atlanta 9, Ga	TR4-3802
Ga	Gardner-Denver Co 1114 W. Peachtree St, N.W., Atlanta 9, Ga	TR4-3802
Hawaii	Gardner-Denver Co 811 Folsom St, San Francisco 7, Cal	EX2-8747
Idaho	Gardner-Denver Co 615 Eighth Ave, S., Seattle 4, Wash	MA4-1115
Idaho	Gardner-Denver Co 113 W. Second S. St, Salt Lake City, Utah	DA8-0538
Ill	Gardner-Denver Co 1200 W. Fulton St, Chicago 7, Ill	HA1-1051
Ill	Gardner-Denver Co 6011 N. Lindbergh Blvd, Hazelwood, Mo	PE1-2220
Ill	Gardner-Denver Co 2003 Crum's Ln, Louisville 16, Ky	EM3-2679
Ind	Gardner-Denver Co 3957 S. Meridian, Indianapolis 27, Ind	ST7-1368
Kan	Gardner-Denver Co 6746 E. 11th St, Tulsa 16, Okla	TE5-1531
Kan	Gardner-Denver Co 309 W. 79 Terrace, Kansas City 14, Mo	DE3-3233
Ky	Gardner-Denver Co 2003 Crum's Ln, Louisville 16, Ky	EM3-2679
La	Gardner-Denver Co 7125 Harry Hines Blvd, Dallas 35, Tex	FL7-4561
La	Gardner-Denver Co 7735 Edinburgh St, New Orleans 25, La	HU6-3756
Me	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
Md	Gardner-Denver Co 6200 Chillum Pl, Washington 11, DC	RA3-6366
Md	Gardner-Denver Co 4309 Rising Sun Ave, Phila 40, Pa	GL7-3150
Mass	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
Mich	Gardner-Denver 3004 Turner St, Lansing, Mich	IV9-9059
Minn	Gardner-Denver Co 521 E. Superior St, Duluth 2, Minn	RA7-7453
Minn	Gardner-Denver Co 1567 1/2 Selby, St. Paul 4, Minn	MI6-8829
Miss	Gardner-Denver Co 7735 Edinburgh St, New Orleans 25, La	HU6-3756
Mo	Gardner-Denver Co 309 W. 79 Terrace, Kansas City 14, Mo	DE3-3233
Mo	Gardner-Denver Co 6011 N. Lindbergh Blvd, Haselwood, Mo	PE1-2220
Mont	Gardner-Denver Co 215 E. Park St, Butte, Mont	2-2662
Neb	Gardner-Denver Co 309 W. 79 Terrace, Kansas City 14, Mo	DE3-3233
Neb	Gardner-Denver Co 1727 E. 39th Ave, Denver 1, Colo	AC2-9393
Nev	Gardner-Denver Co 811 Folsom St, San Fracisco 7, Cal	EX2-8747
Nev	Gardner-Denver Co 113 W. Second S. St, Salt Lake City, Utah	DA8-0538
NH	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
NJ	Gardner-Denver Co 4309 Rising Sun Ave, Phila 40, Pa	GL7-3150
NJ	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
NM	Gardner-Denver Co 1727 E. 39th Ave, Denver 1, Colo	AC2-9393
NM	Gardner-Denver Co 1704 E. Paisano Dr, El Paso, Tex	KE2-5656
NY	Gardner-Denver Co 4532 Bailey Ave, Buffao 26, NY	AT8300
NY	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
NC	Gardner-Denver Co 214 W. Magnolia Ave, Knoxville 17, Tenn	3-6195
NC	Gardner-Denver Co 6200 Chillum Pl, N.W., Wash 11, DC	RA3-6366
ND	Gardner-Denver Co 1567 1/2 Selby, St. Paul 4, Minn	MI6-8829
Ohio	Gardner-Denver Co 3088 W. 117th St, Cleveland 11, Ohio	WI1-1340
Okla	Gardner-Denver Co 6746 E. 11th St, Tulsa 16, Okla	TE5-1531
Ore	Gardner-Denver Co 615 Eighth Ave, S., Seattle 4, Wash	MA4-1115
Pa	Gardner-Denver Co 520 McNeilly Rd, Pittsburgh 26, Pa	LO1-6011
Pa	Gardner-Denver Co 4309 Rising Sun Ave, Phila 40, Pa	GL7-3150
RI	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
SC	Gardner-Denver Co 1114 W. Peachtree St, N.W., Atlanta 9, Ga	TR4-3802
SD	Gardner-Denver Co 1727 E. 39th Ave, Denver 1, Colo	AC2-9393
SD	Gardner-Denver Co 1567 1/2 Selby, St. Paul 4, Minn	MI6-8829
Tenn	Gardner-Denver Co 6011 N. Lindbergh Blvd, Hazelwood, Mo	PE1-2220
Tenn	Gardner-Denver Co 214 W. Magnolia Ave, Knoxville 17, Tenn	3-6195
Tex	Gardner-Denver Co 7125 Harry Hines Blvd, Dallas 35, Tex	FL7-4561
Tex	Gardner-Denver Co 2201 Polk Ave, Houston, Tex	CA7-3295
Utah	Gardner-Denver Co 113 W. Second S. St, Salt Lake City, Utah	DA8-0538
Vt	Gardner-Denver Co 700 Huyler St, Teterboro, NJ	AT8-9151
Va	Gardner-Denver Co 6200 Chillum Pl, N.W., Wash 11, DC	RA3-6366
Va	Gardner-Denver Co 214 W. Magnolia Ave, Knoxville 17, Tenn	3-6195
Wash	Gardner-Denver Co 615 Eight Ave, S., Seattle 4, Wash	MA4-1115
W.Va	Gardner-Denver Co 520 McNeilly Rd, Pittsburgh 26, Pa	LO1-6011
Wisc	Gardner-Denver Co 1200 W. Fulton St, Chicago 7, Ill	HA1-1051
Wisc	Gardner-Denver Co 1567 1/2 Selby, St. Paul 4, Minn	MI6-8829
Wyo	Gardner-Denver Co 113 W. Second S. St, Salt Lake City, Utah	DA8-0538
Wyo	Gardner-Denver Co 1727 E. 39th Ave, Denver 1, Colo	AC2-9393
Foreign	Gardner-Denver Co 233 Broadway, New York 7, NY	BA7-6229

	GARDNER LABORATORIES 5521 Landy Ln, Bethesda, Md	OL6-3600

	GARLOCK ELECTRONIC PRODUCTS	
	GARLOCK INC Camden 1, NJ	WO4-2212
Ariz	Carl Hower 340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Cal	Bray & Carter 2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Cal	Rudat & Ewing 636 Waverley St, Palo Alto, Cal	DA2-5232
Fla	Stanley K Wallace Associates Inc	TA99-3241
Ill	Hill & Gray Inc 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ind	Southern Sales Co 105 Lakeshore Dr, Angola, Ind	AN777
Mass	Abbett & Hustis 1254 Highland Ave, Needham 92, Mass	HI4-5470
Mich	Grant Shaffer Co 14241 Fenkel Ave, Detroit 27, Mich	BR3-5390
NJ	J P Dearie Co Hilton Bldg, Boonton, NJ	DE4-4848
Ohio	Scott & Steffen Inc 1836 Euclid Ave Cleveland, Ohio	TO1-2626
Pa	Naudain-Bohaker & Co Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Tex	J Y Schoonmaker Co., Inc 5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Wash	Don Smith Sales Co 2320 N. 45th St, Seattle 3, Wash	EV3160
Canada	Lake Engineering Co., Ltd 767 Warden Ave, Scarborough, Ontario	PL7-3253
Foreign	Garlock Packing Co Palmyra, NY	LY7-4811

	GARRARD SALES CORP 80 Shore Rd, Pt. Washington, NY	PO7-7700
Cal	Jack Berman Co 1141 S. LaCienega Blvd, L A 35, Cal	
Cal	F W Mouthrop Co 575 10th St, San Francisco, Cal	
Colo	McLoud & Raymond Co 5403 E. Evans, Denver 22, Colo	
Ga	James Millar Associates 1036 Peachtree N. E., Atlanta 9, Ga	
Hawaii	Jim Hastin Sales Co 235 Cooke St, Honolulu, Hawaii	
Ill	George Petitt Co., Inc 349 N. Ashland Ave, River Forest, Ill	
Ind	Edwin A Schulz Co 721 Sherwood Dr, Indianapolis 20, Ind	
Md	Charles W Lienau Co 9427 Georgia Ave, Silver Spring, Md	
Mass	Michael Scott Co 336 Washington St, Wellesley Hills, Mass	
Mich	Grant Shaffer Co 14241 Fendell, Detroit, Mich	
Minn	Northern States Sales Co 1400 Park Ave, Minneapolis, Minn	
Mo	R W Farris Co., Inc 406 W. 34th St, Kansas City 11, Mo	
NY	R W Mitscher Co., Inc 487 Ellicott Sq Bldg, Buffalo NY	
Ore	Dave M Lee Co., Inc 3527 N. E. Union Ave, Portland 12, Ore	
Pa	James H Podolny Co 5912 Penn Ave, Pittsburgh 6, Pa	
Tex	J F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	
Foreign	Ace Agencies P.O. Box 91, Rio Piedras, Puerto Rico	

	GARRETT CORP., THE 9851 Sepulveda Blvd, Los Angeles, Cal	SP6-1010
Ala	Garrett Corp., The 951 Government St, Mobile, Ala	HE8-3653
Cal	Garrett Corp., The 535 Middlefield Rd, Palto Alto, Cal	DA1-1820
Cal	Garrett Corp., The Box 6129, Point Loma Sta, San Diego	CY5-4119
Colo	Garrett Corp., The 3311 S. Broadway, Englewood, Colo	SU9-0691
DC	Garrett Corp., The 1625 Eye St, N.W., Washington 6, DC	EX3-0873
Ga	Garrett Corp., The 3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-7157
Ill	Garrett Corp., The 4302 Warren Ave, Hillside, Ill	LI4-7400
Kan	Garrett Corp., The 2725 E. Kellog, Wichita, Kan	MU3-7518
Mich	Garrett Corp., The 15823 W. McNichols Rd, Detroit 35, Mich	BR3-7238
Mo	Garrett Corp., The Box 6247, Lambert Field, St. Louis, Mo	PE1-0983
NY	Garrett Corp., The 220 Old Country Rd, Mineola, NY	PI7-4470
Ohio	Garrett Corp., The 911 S. James Rd, Columbus 13, Ohio	BE7-4273
Okla	Garrett Corp., The P.O. Box 5687, Midwest City, Okla	VI37053
Tex	Garrett Corp., The 1209 Lake St, Fort Worth, Tex	ED5-4541
Wash	Garrett Corp., The 201 Boren Ave, North Seattle 9, Wash	MA2-8968

	GARRETT CO., INC., GEORGE K Torresdale Ave at Tolbet, Phila 36, Pa	DE2-6000
Ala	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Ark	Torian Associates 326 Rio Grande Natl Bldg, Dallas, Tex	RI7-2804
Conn	Garrett Co 250 W. 57th St, New York 19, NY	CI5-8759
DC	Garrett Co 250 W. 57th St, New York 19, NY	CI5-8759
Fla	Garrett Co 250 W. 57th St, New York 19, NY	CI5-8759
Ga	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Ill	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Ind	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Iowa	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Kan	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Ky	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
La	Torian Association 326 Rio Grande Natl Bldg, Dallas, Tex	RI7-2804
Me	Garrett Co 250 W. 57th St, New York 19, NY	
Mass	Garrett Co 250 W. 57th St, New York 19, NY	
Mich	Garrett Co 15755 James Couzens Blvd, Detroit	DI1-2400
Minn	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Miss	Torian Association 326 Rio Grande Natl Bldg, Dallas, Tex	RI7-2804
Mo	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Neb	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
NH	Garrett Co 250 W. 57th St, New York 19, NY	
NJ	Garrett Co 250 W. 57th St, New York 19, NY	
NY	Garrett Co 250 W. 57th St, New York 19, NY	
ND	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Ohio	Garrett Co 2000 Lee Rd, Cleveland 18, Ohio	FA1-5710
Okla	Torian Association 326 Rio Grande Natl Bldg, Dallas, Tex	RI7-2804
Pa	Garrett Co 2000 Lee Rd, Cleveland 18, Ohio	FA1-5710
RI	Garrett Co 250 W. 57th St, New York 19, NY	
SD	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Tenn	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900
Tex	Torian Association 326 Rio Grande Natl Bldg, Dallas, Tex	RI7-2804
Vt	Garrett Co 250 W. 57th St, New York 19, NY	
W. Va	Garrett Co 2000 Lee Rd, Cleveland 18, Ohio	FA1-5710
Wisc	Garrett Co 5875 N. Lincoln Ave, Chicago 45, Ill	AR1-6900

	GATES & CO., GEORGE W Hempstead & Lucille, Franklin Sq, NY	FI7-0787
	GATES ELECTRONIC CO 2090 Bernes Ave, Bronx 62, NY	TY2-6490

	GATES RADIO CO 123 Hampshire St, Quincy, Ill	BA2-8202
Ala	William Moats Box 7376, Mtn Brook Br, Birmingham	TR9-8100
Ariz	Neil Arveschoug P.O. Box 675, Thousand Oaks, Cal	HU5-3634
Ark	Urlin Whitman 2719 S. Hudson Ave, Tulsa, Okla	TE6-4835
Cal	Neil Arveschoug P.O. Box 675, Thousand Oaks, Cal	HU5-3634
Colo	Joseph Engle Jr 7141 Wolff, Westminster, Colo	HA9-6493
Conn	Abe Jacobowitz 63-27 76th St, Rego Park, NY	TW4-1622
Del	Wallace Warren 1817 Sherry Ct, Falls Church, Va	JE3-0868
DC	Wallace Warren 1817 Sherry Ct, Falls Church, Va	JE3-0868
DC	Walton Ayer 627 Biggs Ave, Frederick, Md	MO2-4611
Fla	John Andre P.O. Box 1420, Deland, Fla	
Ga	Richard Spruill 2996 Briar Lake Rd, Decatur, Ga	HI3-9306
Idaho	William Neumann 801 19th St, Lewiston, Idaho	SH3-1313
Ill	Clarence Morgan 292 E. Elm St, Villa Park, Ill	TE2-9227
Ind	Clarence Morgan 292 E. Elm St, Villa Park, Ill	TE2-9227
Iowa	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Kan	Urlin Whitman 2719 S. Hudson Ave, Tulsa, Okla	TE6-4835
Kan	Joseph Engle 7141 Wolff, Westminster, Colo	HA9-6493
Ky	William Moats Bx 7376, Mtn Brook Br, Birmingham, Ala	TR9-8100
Ky	Kenneth Neubrecht 3529 Cumberland, Berkley, Mich	LI1-8529
La	London England 5210 Kinglet, Houston, Tex	PA3-5117
Me	Robert Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
Md	Wallace Warren 1817 Sherry Ct, Falls Church, Va	JE3-0868
Mass	Robert Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
Mich	Kenneth Neubrecht 3529 Cumberland, Berkley, Mich	LI1-8529
Mich	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Minn	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Miss	William Moats Bx 7376, Mtn Brook Br, Birmingham, Ala	TR9-8100
Mo	Urlin Whitman 2719 S. Hudson Ave, Tulsa, Okla	TE6-4835
Mont	William Neumann 801 19 St, Lewiston, Idaho	SH3-1313
Neb	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Neb	Joseph Engle 7141 Wolff, Westminster, Colo	HA9-6493
Nev	Neil Arveschoug P.O. Box 675, Thousand Oaks, Cal	HU5-3634
NH	Robert Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
NJ	Abe Jacobowitz 63-27 76th St, Rego Park, NY	TW4-1622
NM	Joseph Engle 7141 Wolff, Westminster, Colo	HA9-6493
NY	Abe Jacobowitz 63-27 76th St, Rego Park, NY	TW4-1622
NY	Bob Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
NY	Don Udey 307 Highgate Rd, Ithaca, NY	8259
NC	Gene Tommerdahl P.O. Box 521, Norton, Va	723
ND	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Ohio	Kenneth Neubrecht 3529 Cumberland, Berkley, Mich	LI1-8529
Ohio	Donald Udey 307 Highgate Rd, Ithaca, NY	8259
Okla	Urlin Whitman 2719 S. Hudson Ave, Tulsa, Okla	TE6-4835
Ore	William Neumann 801-19 St, Lewiston, Idaho	SH3-1313
Pa	Donald Udey 307 Highgate Rd, Ithaca, NY	8259
RI	Robert Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
SC	Richard Spruill 2969 Briar Lake Rd, Decatur, Ga	HI3-9306
SD	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Tenn	William Moats Bx 7376, Mtn Brook Br, Birmingham, Ala	TR9-8100
Tenn	Richard Spruill 2969 Briar Lake Rd, Decatur, Ga	HI3-9306
Tex	Urlin Whitman 2719 S. Hudson Ave, Tulsa, Okla	TE6-4835
Tex	London England 5210 Kinglet, Houston, Tex	PA3-5117
Utah	Joseph Engle 7141 Wolff, Westminster, Colo	HA9-6493
Vt	Robert Hallenbeck 11 Ridgecrest, Latham, NY	ST5-9144
Va	Wallace Warren 1817 Sherry Ct, Falls Church, Va	JE3-0868
Wash	William Neumann 801-19 St, Lewiston, Idaho	SH3-1313
W. Va	Wallace Warren 1817 Sherry Ct, Falls Church, Va	JE3-0868
Wisc	Stanley Whitman 246 Baltimore, Waterloo, Iowa	AD3-0561
Wisc	Clarence Morgan 292 E. Elm St, Villa Park, Ill	TE2-9227
Wyo	Joseph Engle 7141 Wolff, Westminster, Colo	HA9-6493

	GAVITT WIRE & CABLE CO Central St, Brookfield, Mass	VO7-6476
Alaska	James J Backer Co 221 W. Galer St, Seattle 99, Wash	AT3-6470
Ariz	W S Harmon Co Box 1380, Beverly Hills, Cal	OL5-6340
Ark	Jack F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	RI1-1368
Cal	David H Ross Co 534 El Camino Real, San Carlos, Cal	LY1-4411
Cal	W S Harmon Co Box 1380, Beverly Hills, Cal	OL5-6340
Colo	McLoud & Raymond Co 5403 E. Evans, Denver 22, Colo	SK6-1589
Conn	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
Del	Hilliard Associates 1125 Old York Rd, Abington, Pa	TU4-6100
Fla	Jack Gearhner Co 235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Idaho	James J Backer Co 221 W. Galer St, Seattle 99, Wash	AT3-6470
Ill	Ridley Associates 1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Ind	Queisser Bros 110 E. 9th St, Indianapolis 2, Ind	ME5-2457
Iowa	Ridley Associates 1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Kan	M L Seyffert & Associates Box 32, Webster Grove Sta, St. Louis 19, Mo	ST1-6290
La	Jack F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	RI1-1368
Me	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
Md	Hilliard Associates 1125 Old York Rd, Abington, Pa	TU4-6100
Mass	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
Mich	John W Gillette & Co 16115 Meyers Rd, Detroit 35, Mich	UN2-3258
Minn	Ridley Associates 1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Mo	M L Seyffert & Associates Box 32, Webster Grove Sta, St. Louis 19	ST1-6290
Neb	M L Seyffert & Associates Box 32, Webster Grove Sta, St. Louis 19, Mo	ST1-6290
Nev	David H Ross Co 534 El Camino Real, San Carlos, Cal	LY1-4411
NH	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
NJ	Leo Freed & Co 420 Lexington Ave, New York 17, NY	LE2-4771
NM	McLoud & Raymond Co 5403 E. Evans, Denver 22, Colo	SK6-1589
NY	Leo Freed & Co 420 Lexington Ave, New York 17, NY	LE2-4771
NY	George R Baxter Co 51 E. 42nd St, New York, NY	MU7-5583
NY	Robert W Jackson 4446 Main St, Buffalo 3, NY	CI2094
Ohio	John W Gillette & Co 16115 Meyers Rd, Detroit 35, Mich	UN2-3258
Okla	Jack F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	RI1-1368
Ore	James J Backer Co 221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	Hilliard Associates 1125 Old York Rd, Abington, Pa	TU4-6100
RI	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
Tenn	Queisser Bros 110 E. 9th St, Indianapolis 2, Ind	ME5-2457
Tex	Jack F McKinney Sales Co 1303 Chemical St, Dallas 7, Tex	RI1-1368
Utah	McLoud & Raymond Co 5403 E. Evans, Denver 22, Colo	SK6-1589
Vt	Behr Sales Co Spring Valley Rd, Woodbridge, Conn	FU7-8712
Wash	James J Backer Co 221 W. Galer St, Seattle, Wash	AT3-6470
Wisc	Ridley Associates 1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Wyo	McLoud & Raymond Co 5403 E. Evans, Denver 22, Colo	SK6-1589
	GEAR SPECIALTIES INC 2635 W.Medill Ave, Chicago 47, Ill	DI2-3200
Ill	W C Bloom & Co 1003 E. Jefferson St, Rockford, Ill	WO5-0514

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	Eric G Wermcrantz	P.O. Box 440, Valparaiso, Ind	HO2-6044
Mich	E T Bean	2714 Boulevard Dr, S.W., Grand Rapids	LE2-7080
NY	Transmission Equipment Co	441 Lexington Ave, New York City 17, NY	MU2-1846
Ohio	Moore & Co	4334 W. Central Ave, Toledo, Ohio	JE1-2691
Tex	Ray Frelk	318 N. Pearl St, Dallas, Tex	RI1-6051
	GEBE ELECTRONIC SERVICE	**W. Jefferson & West Blvd., LA 16, Cal**	
	GEMEX CORP INDUSTRIAL DIV	**1200 Commerce Ave, Union, NJ**	**MU6-4100**
	GENERAL AMERICAN TRANSPORTATION CORP	**135 S.LaSalle St, Chicago 3, Ill**	**FI6-4100**
Ala	C R Watcher	P.O. Box 1870, Birmingham, Ala	VI1-5562
Cal	B K Duffy	900 Wilshire Blvd, Los Angeles 17, Cal	MA8-1357
Cal	N A Pierson	235 Montgomery St, San Francisco 3, Cal	DO2-8222
La	C S Hanley	210 Baronne St, New Orleans 12, La	JA5-8503
NJ	H E Elfenbein	Gatc-Parker-Kalon Div, Clifton, NJ	GR1-1000
NY	Sol Frisch	2008 Rand Bldg, Buffalo 3, NY	WO1684
NY	Sol Frisch	380 Madison Ave, New York 17, NY	OX7-2525
Ohio	C R Black	Terminal Tower Bldg, Cleveland	PR1-1391
Okla	R S Randolph	1005 1st Nat'l Bank Bldg, Tulsa, Okla	CH2-6137
Pa	J A Ross	2612 Koppers Bldg, Pittsburgh 19, Pa	GR1-3101
Tex	J D Camp	1st Nat'l Bank Bldg, Dallas 2, Tex	RI7-0402
Tex	J D Camp	Bk of the Southwest Bldg, Houston	CA4-2691
Utah	H W Kerr	P.O. Box 97, Orem Plant, Orem, Utah	FR3-8520
Wash	J C Wallace	3rd & Union, Seattle 1, Wash	MA2-1212
Wisc	C L Philipp	4206 N. Green Bay Rd, Milwaukee 9, Wisc	CO4-4220
	GENERAL ANILINE & FILM CORP ANSCO DIV	**Vestal Pkwy, E., Binghamton, NY**	**RA9-6555**
Cal	Gen Anil & Film Corp	1001 N. Labrea Ave, Los Angeles 38, Cal	OL4-0550
DC	Gen Anil & Film Corp	3408 Wisconsin Ave, N.W., Washington 16	EM2-6115
	GENERAL AUTOMATIC CORP	**111 33rd St, Union City, NJ**	**UN4-1867**
	GENERAL AVIATION & ELECTRONICS, MFG CO., INC	**179 Berger St, Woodbridge, NJ**	**WE9-8198**
	GENERAL BRONZE ELECTRONICS CORP Sub of GENERAL BRONZE CORP	**Garden City, NY**	**LO1-8300**
	GENERAL CABLE CORP	**730 Third Ave, New York 17, NY**	**YU6-3800**
Ala	J G Ebenhack	3508 4th Ave, S., Birmingham 5, Ala	AL2-1171
Ariz	O G Sutton	3316 Washington St, Phoenix, Ariz	BR5-5401
Cal	J E Moore	2906 Leonis Blvd, Los Angeles 58, Cal	LU2-8327
Cal	R O Barnes	185 Industrial St, San Francisco 24, Cal	MI8-4140
Cal	D H Buckley	915 Fee Dr, N. Sacramento 15, Cal	WA2-5881
Colo	N E Mains	4201 E. 46th Ave, Denver 16, Colo	FL5-5323
Conn	H C Patterson	463 Boston Post Rd, Orange, Conn	SY9-2381
DC	E C Goretzka	261 Constitution Ave, N.W., Washington	DI7-7717
Fla	E H Lucas	2515 E. Hanna Ave, Tampa 10, Fla	TA3-6575
Ga	J A Peacock	1401 Ellsworth Dr, N.W., Atlanta 18, Ga	SY4-7621
Hawaii	C B Deeds	742 Ala Moana Blvd, Honolulu 1, Hawaii	6-3712
Ill	G S Ricker	5447 N. Wolcott Ave, Chicago 40, Ill	UP8-7600
Ill	C K Lansche	920 N. Mac Arthur Blvd, Springfield, Ill	SP2-7705
Ind	W C Gerlib	1735 W. 18th St, Indianapolis 7, Ind	WE2-6585
Iowa	C W Higgins	2050 Delaware Ave, Des Moines 17, Iowa	AM5-0313
Kan	J H Motherway	920 Cable Rd, Kansas City 15, Mo	BA1-4788
La	W W Bednarz	3923 Euphrosine St, New Orleans 25, La	TU6217
Md	H V Wraesse	1130 E. 30th St, Baltimore 18, Md	TU9-6544
Mass	D H Phelps	120 V.F.W. Pkwy, Revere 51, Mass	RE8-6700
Mich	L P Shull	12811 Capital Ave, Oak Park 37, Mich	JO6-7992
Minn	H S Coleman	404 W. 79th St, Minneapolis 20, Minn	TU1-5855
Mo	W W Neumeyer	4983 Fyler Ave, St. Louis 39, Mo	PL2-6400
Neb	R E Kirk	5615 Seward St, Havelock, Neb	LI6-1941
NJ	A L Rountree	1071 Hudson St, Union, NJ	MU8-1130
NM	G W Paulsen	2100 Zearing Ave, N.W., Albuquerque, NM	CH7-0547
NY	D W Freeman	420 Lexington Ave, New York 17, NY	MU4-7680
NC	F G Speidel	2323 Campbell St, Raleigh, NC	VA8-5466
Ohio	K C Starkey	1140 Chambers Rd, Columbus 12, Ohio	HU8-9781
Ohio	H B Connot	7650 Production Dr	PO1-3256
Okla	L V Brown	6848 E. 41st St, Tulsa, Okla	RI2-2496
Ore	C W Barnes	2215 N.W. Quimby St, Portland 10, Ore	CA7-5556
Pa	R J Fitzgerald	95 S. Eagle Rd, Havertown Pa	HI7-1655
Pa	J C Davidson	2242 California Ave, Pittsburgh 12, Pa	FA2-6533
Tenn	E H Cobb	21 Spruce St, Bristol, Tenn	SO4-3105
Tex	A Z Barnes	1620 Oaklawn, Dallas 7, Tex	RI1-9888
Utah	J E Smith	22 Jeremy St, Salt Lake City 4, Utah	DA2-5829
Va	W R Ivey	2315 Westwood Ave, Richmond 30, Va	EL5-7808
Wash	R E Roberts	5210 First Ave, S., Seattle 8, Wash	PA3-5861
Wisc	P J Wanzek	6520 W. State St, Milwaukee 13, Wisc	GR6-9638
	GENERAL CERAMICS DIV INDIANA GEN CORP	**Keasbey, NJ**	**VA6-5100**
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	Indiana General Corp	16041 Ventura Blvd, Encino, Cal	ST8-7380
Cal	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
Cal	Barnes & Co	8010 Mason Ave, Canoga Park, Cal	DI8-4866
Conn	R S Pettigrew & Co., Inc	10 N. Main St, W. Hartford, Conn	AD3-8533
Del	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
DC	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
Fla	Jack Gearhter Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 46, Ill	RO3-3636
Ind	Indiana General Corp	405 Elm St, Valparaiso, Ind	HO2-3131
Ky	Indiana General Corp	405 Elm St, Valparaiso, Ind	HO2-3131
La	Allied Components Inc	2517 Converse St, Dallas 7, Tex	RI2-2830
Me	R S Pettigrew & Co., Inc	10 N. Main St, W. Hartford, Conn	AD3-8533
Md	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
Mass	R S Pettigrew & Co., Inc	45 Main St, Natick, Mass	OL3-6480
Mich	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
NH	R S Pettigrew & Co., Inc	10 N. Main St, W. Hartford, Conn	AD3-8533
NM	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	NE7-6405
NC	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Okla	Allied Components Inc	2517 Converse St, Dallas 7, Tex	RI2-2830
Pa	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
RI	R S Pettigrew & Co., Inc	10 N. Main St, W. Hartford, Conn	AD3-8533
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	Indiana General Corp	405 Elm St, Valparaiso, Ind	HO2-3131
Tex	Allied Components Inc	2517 Converse St, Dallas 7, Tex	RI2-2830
Vt	R S Pettigrew & Co., Inc	10 N. Main St, W. Hartford, Conn	AD3-8533
Va	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
W. Va	General Ceramics-Division	24 Blackwell Ln, Levittown, NJ	TR7-5271
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Canada	Indiana Steel Prods Co of Can Ltd	135 Hayward Ave, Kitchener, Ontario	SH3-0244
Foreign	Malek Representaciones	Av. Corrientes 222, Buenos Aires, Argentina	
	GENERAL COIL PRODUCTS CORP	**147-12 Liberty Ave, Jamaica 35, NY**	**AX1-8390**
NY	Eliot Schwartzman	135 Sperry Blvd, New Hyde Park, NY	FL4-4996
NY	Oren G Lanzendorf	513 Cumberland Ave, Syracuse 10, NY	SY72-4195
	GENERAL COMMUNICATION CO	**677 Beacon St, Boston, Mass**	**CO7-6030**
Ala	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Ariz	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Ark	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Del	C R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
DC	Arnold Rosenberg Co	733 15th St, N.W., Washington, DC	EX3-1174
Fla	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Ga	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Iowa	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Kan	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
La	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
Me	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Md	C R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Miss	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Mo	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
NJ	C R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
NJ	M E M O Inc	69 Greenwich St, Hempstead, NY	IV3-4060
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	R P Kennedy Co	182 Mayflower Dr, Rochester, NY	BR1-6322
NY	M E M O Inc	69 Greenwich St, Hempstead, NY	IV3-4060
NC	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
ND	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Okla	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
Pa	M E M O Inc	69 Greenwich St, Hempstead, NY	IV3-4060
Pa	C R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
RI	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
SC	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
SD	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Tenn	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Tex	Southern Industrial Electronics Inc	538 Braniff Bldg, Dallas, Tex	FL2-3901
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Va	C R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
Va	Murphy & Cota Co	1106 Burke St, Winston-Salem, NC	PA4-0750
Wisc	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	5094-W
	GENERAL COMPONENTS CO	**225-229 E. 144th St, New York 51, NY**	**MO5-0748**
	GENERAL COMPUTERS INC	**9000 W. Pico Blvd, Los Angeles 35, Cal**	**BE2-6010**
Ala	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Miss	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	
NC	Roy Attaway Co	528 N. McDonough, Decatur, Ga	DR7-8943
SC	Roy Attaway Co	528 N. McDonough, Decatur, Ga	DR7-8943
Tenn	Roy Attaway Co	528 N. McDonough, Decatur, Ga	DR7-8943
	GENERAL CONTROL CO	**1212 Soldiers Field Rd, Boston 34, Mass**	**ST2-7440**
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Ga	Paul Hayden & Associates	P.O. Box 331 East Point, Ga	PO7-9646
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	A E Williams Co	Rural Rt 1, Markle, Ind	
Mass	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
Mich	Basic Services Corp., The	16544 Plymouth Rd, Detroit 27, Mich	VE7-8820
Minn	G E Ameson & Co	1407 Holdridge Ln, Wayzata, Minn	EM2-5452
NJ	The G W Moer Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
NY	J F Wiefenge Jr	4505 E. Genesee St, Dewitt 14, NY	GI6-3330
NY	E R [illegible]	340 Great Neck Rd, Great Neck, N Y	HU2-9320
Ohio	ElectroCom	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	
Canada	Airflite Components Inc	71 Dixon Rd, Weston, Ontario, Canada	CH1-5533
	GENERAL CONTROLS CO	**801 Allen Ave, Glendale 1, Cal**	**VI9-2181**
Ariz	General Controls Co	124 E. Roosevelt, Phoenix, Ariz	AL3-1368
Cal	General Controls Co	600 Bryant St, San Francisco 7, Cal	SU1-7580
Colo	General Controls Co	1162 Elati St, Denver 4, Colo	CH4-6776
Conn	General Controls Co	119 Ann St, Hartford, Conn	CH7-0300
Fla	General Controls Co	3804 W. Flagler St, Miami 44, Fla	HI4-2677
Fla	Hammel Dahl Div	547 Mandalay Rd, Jacksonville, Fla	RA5-4611
Ga	General Controls Co	1479 Spring St, N.W., Atlanta, Ga	TR6-4419
Ill	General Controls Co	8080 McCormick Blvd, Skokie, Ill	IR8-2323
Ill	General Controls Co	8080 McCormick Blvd, Skokie, Ill	IR8-2323
Ind	General Controls Co	2806 W. 16 St, Indianapolis 22, Ind	ME6-2537
Kan	General Controls Co	2904 Oak St, Kansas City 8, Mo	JE1-2400
Kan	General Controls Co	1335 N. Main St, Wichita 3, Kan	AM7-2843
La	General Controls Co	348 Baronne St, New Orleans, La	TU8247
Md	General Controls Co	6201 Eastern Ave, Baltimore 24, Md	ME3-7800
Mass	General Controls Co	369 Boylston, Newton Ctr, Boston 59, Mass	BI4-8160
Mich	General Controls Co	15114 Plymouth Rd, Detroit 27, Mich	VE5-5625
Mich	General Controls Co	Iron Mountain, Mich	2910
Minn	General Controls Co	6522 Walker St, Minneapolis 26, Minn	WE9-7111
Mo	General Controls Co	1330 Hampton Ave, St. Louis 10, Mo	MI7-4702
Neb	General Controls Co	610 Keeline Bldg, Omaha 2, Neb	AT3416
NJ	Foster Engineering Div	1024 Springfield Rd, Union, NJ	MU6-8800
NY	Hammel-Dahl Div	205 E. 42nd St, New York 17, NY	OR9-6330
NY	General Controls Co	960 Kenmore Ave, Buffalo 23, NY	VI0110
NY	General Controls Co	317 State Tower Bldg, Syracuse 2, NY	HA2-2063
NC	General Controls Co	Rt 3, York Rd, Charlotte, NC	JA3-2576
Ohio	General Controls Co	934 Hollytree Dr, Cincinnati 31, Ohio	JA2-0040
Ohio	General Controls Co	4317 Chester Ave, Cleveland 3, Ohio	EX1-0555
Ohio	General Controls Co	1219 W. 3rd Ave, Columbus 12, Ohio	AX4-4266
Okla	General Controls Co	1315 S. Peoria Ave, Tulsa 20, Okla	DI3-0054
Ore	General Controls Co	4611 S.E. Boise St, Portland 6, Ore	BE4-9373
Pa	General Controls Co	125 Indiana Ave, Ft. Washington, Pa	MI6-7040
Pa	General Controls Co	4 Smithfield St, Pittsburgh 22, Pa	CO1-3958
RI	General Controls Co	Warwick Industrial Park, Warwick, RI	ST1-4741
Tenn	General Controls Co	871 McCallie Ave, Chattanooga 3, Tenn	AM6-7201
Tex	General Controls Co	1804 N. Industrial Blvd, Dallas 7, Tex	RI1-3494
Tex	General Controls Co	3607 S. Sandman St, Houston 6, Tex	JA3-5671
Tex	General Controls Co	5116 W. 41st St, Lubbock, Tex	SW9-7477
Utah	General Controls Co	2862 S. State St, Salt Lake City, Utah	HU5-3491
Wash	General Controls Co	925 Westlake Ave, N., Seattle 9, Wash	AT4-0440
Wisc	General Controls Co	3812 W. Burnham St, Milwaukee 15, Wisc	OR1-4940
Foreign	General Controls Gmbh	Thomer Str 23, Dusseldorf, W. Germany	71417
Foreign	General Controls Int'l S A	6, Rt de la Gruyere, Fribourg, Switzerland	29404
Canada	General Controls Co (Can Ltd)	5165 Sherbrooke St, W., Montreal, Que, Can	HU1-4923
Canada	General Controls Co (Can Ltd)	73 Simcoe St, Toronto 1, Ontario, Canada	EM3-2013
	GENERAL CRYSTAL CO., INC	**P. O. Box 9, Burlington, Wisc**	**RO3-2425**
	GENERAL DEVICES INC	**P. O. Box 253, Princeton, NJ**	**WA4-2500**
Ariz	Component Sales California Corp	4626 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Cal	General Devices Inc	11941 Wilshire Blvd, Los Angeles, Cal	GL6-6070
Cal	Component Sales California Corp	4626 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Conn	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
DC	Wilco Associates	733-15th St, N.W., Washington, DC	EX3-0451
La	Kemp Engineering Co	2618 Mamana Dr, Dallas, Tex	FL7-6683
Me	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Md	Wilco Associates	733-15th St, N.W., Washington, DC	EX3-0451
Mass	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
NH	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
NJ	F F Sylvester Associates	649 Morris Ave, Springfield, NJ	MU8-9191
NY	F F Sylvester Associates	649 Morris Ave, Springfield, NJ	MU8-9191
NY	S F Foster Co	204 Southfield Dr, Fayetteville, NY	NE7-6137
Okla	Kemp Engineering Co	2618 Mamana Dr, Dallas, Tex	FL7-6683
RI	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Tex	Kemp Engineering Co	2618 Mamana Dr, Dallas, Tex	FL7-6683
Vt	George Neuman & Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Va	Wilco Associates	733-15th St, N.W., Washington, DC	EX3-0451
Wash	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	EA5-4400
	GENERAL ELECTRIC CO APPARATUS SALES DIV	**1 River Rd, Schenectady 5, NY**	**FR4-2211**
Ala	G E Apparatus	1804 7th Ave, N., Birmingham, Ala	FA2-7583
Ala	G E Apparatus	704 Government St, Mobile, Ala	HE2-1672
Ariz	G E Apparatus	220 Luhrs Tower, Phoenix, Ariz	AL8-7724
Ariz	G E Apparatus	650 N. Sixth Ave, Tucson, Ariz	MA3-3113
Ark	G E Apparatus	103 W. Capitol, Little Rock, Ark	FR5-1273
Cal	G E Apparatus	407 Patterson Bldg, Fresno, Cal	AM6-8302
Cal	G E Apparatus	212 N. Vignes St, Los Angeles, Cal	MA5-7381
Cal	G E Apparatus	409 13th St, Oakland, Cal	TW3-0266
Cal	G E Apparatus	337 N. Riverside Ave, Rialto, Cal	TR5-6011
Cal	G E Apparatus	626 Forum Bldg, Sacramento, Cal	GI3-1788
Cal	G E Apparatus	1240 7th Ave, San Diego, Cal	BE3-6461
Cal	G E Apparatus	235 Montgomery St, San Francisco, Cal	DO2-3740
Cal	G E Apparatus	2525 Pacific Ave, Stockton, Cal	HO2-0166
Colo	G E Apparatus	650 17th St, Denver, Colo	KE4-7171
Conn	G E Apparatus	764 Asylum Ave, Hartford, Conn	CH6-6841
Conn	G E Apparatus	129 Church St, New Haven, Conn	MA4-4101
DC	G E Apparatus	777 14th St, N.W., Washington, DC	EX3-3600
Fla	G E Apparatus	1901 Hill St, Jacksonville, Fla	EL6-8496
Fla	G E Apparatus	25 S.E. 2nd Ave, Miami, Fla	FR3-4621
Fla	G E Apparatus	1206 N. A St, Tampa, Fla	B-8874
Ga	G E Apparatus	1860 Peachtree, N.W., Atlanta, Ga	TR6-2451
Ga	G E Apparatus	682 Cherry St, Macon, Ga	3-1232
Ga	G E Apparatus	40 E. Bay St, Savannah, Ga	AD6-4423
Idaho	G E Apparatus	1524 Idaho St, Boise, Idaho	4-8444
Ill	G E Apparatus	840 S. Carrol St, Chicago, Ill	WA2-5611
Ill	G E Apparatus	309 Jefferson Bldg, Peoria, Ill	4-9280
Ill	G E Apparatus	110 S. First St, Rockford, Ill	6-1827
Ill	G E Apparatus	607 E. Adams St, Springfield, Ill	3-2423
Ind	G E Apparatus	312 N.W. 7th St, Evansville, Ind	HA5-3581
Ind	G E Apparatus	3606 S. Calhoun St, Ft. Wayne, Ind	EA7431
Ind	G E Apparatus	3750 N. Meridian, Indianapolis, Ind	WA3-7221
Ind	G E Apparatus	610 W. Michigan St, South Bend, Ind	CE4-4196
Iowa	G E Apparatus	1039 State St, Bettendorf, Iowa	
Iowa	G E Apparatus	210 2nd St; S.E., Cedar Rapids, Iowa	4-9149
Iowa	G E Apparatus	P.O. Box 630, Davenport, Iowa	5-0231
Iowa	G E Apparatus	2116 W. Grand Ave, Des Moines, Iowa	CH3-0194
Iowa	G E Apparatus	206 W. 4th St, Waterloo, Iowa	AD3-2665
Kan	G E Apparatus	200 E. 1st St, Wichita, Kan	AM7-4263
Ky	G E Apparatus	First National Bank, Lexington, Ky	4-7032
Ky	G E Apparatus	1216 Starks Bldg, Louisville, Ky	JU4-6334
La	G E Apparatus	720 Murray St, Alexandria, La	2-7093
La	G E Apparatus	3170 Florida Blvd, Baton Rouge, La	DI3-7561
La	G E Apparatus	422 7th St, Lake Charles, La	HE3-3116
La	G E Apparatus	837 Gravier St, New Orleans, La	TU7231
La	G E Apparatus	206 Beck Bldg, Shreveport, La	3-8554

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Md	G E Apparatus	111 Park Ave, Baltimore, Md	MU5-6500
Md	G E Apparatus	1095 Jefferson Blvd, Hagerstown, Md	6067
Mass	G E Apparatus	140 Federal St, Boston, Mass	HU2-1800
Mass	G E Apparatus	120 Maple St, Springfield, Mass	RE4-5606
Mass	G E Apparatus	288 Grove St, Worcester, Mass	PL2-3741
Me	G E Apparatus	152 State St, Augusta, Me	MA2-0201
Me	G E Apparatus	77 Central St, Bangor, Me	4144
Mich	G E Apparatus	25 W. Michigan Ave, Battle Creek, Mich	WO2-5431
Mich	G E Apparatus	700 Antoinette St, Detroit, Mich	TR2-2600
Mich	G E Apparatus	653 S. Saginaw St, Flint, Mich	CE2-7146
Mich	G E Apparatus	425 Cherry St, S.E., Grand Rapids, Mich	GL6-7195
Mich	G E Apparatus	120 W. Michigan Ave, Jackson, Mich	ST9-7147
Mich	G E Apparatus	927 S. Burdick St, Kalamazoo, Mich	FL5-8579
Mich	G E Apparatus	814 Mich Nat Tower, Lansing, Mich	IV2-6231
Mich	G E Apparatus	Second Nat Bank, Saginaw, Mich	PL5-8133
Minn	General Electric Co	14 W. Superior St, Duluth, Minn	RA2-2683
Minn	General Electric Co	P.O. Box 197, Fergus Falls, Minn	3675
Minn	General Electric Co	12 S. 6th St, Minneapolis, Minn	FE8-6771
Miss	General Electric Co	207 Jo-Fran Bldg, Gulfport, Miss	UN3-6211
Miss	General Electric Co	604 Millsaps Bldg, Jackson, Miss	4-2318
Mo	General Electric Co	220 1/2 W. 4th St, Joplin, Mo	MA3-3881
Mo	General Electric Co	106 W. 14th St, Kansas City, Mo	VI2-9745
Mo	General Electric Co	Paul Brown Bldg, St. Louis, Mo	GE6-4343
Mont	General Electric Co	303 N. Broadway, Billings, Mont	AL9-4597
Mont	General Electric Co	Thorton Bldg, Butte, Mont	4306
Neb	General Electric Co	409 S. 17th St, Omaha, Neb	AT4455
NH	General Electric Co	1662 Elm St, Manchester, NH	NA2-2253
NJ	General Electric Co	520 Broad St, Newark, NJ	MA4-4144
NJ	General Electric Co	214 E. Hanover St, Trenton, NJ	OW5-7459
NM	General Electric Co	El Cortez Bldg, Albuquerque, NM	CH3-3741
NY	General Electric Co	8 Colvin Ave, Albany, NY	89-4776
NY	General Electric Co	19 Chenango St, Binghamton, NY	RA2-3466
NY	General Electric Co	625 Delaware Ave, Buffalo, NY	GA9210
NY	General Electric Co	Main & Woodlawn, Elmira, NY	3-5611
NY	General Electric Co	570 Lexington Ave, New York, NY	PL1-1311
NY	General Electric Co	44 Falls St, Niagara Falls, NY	BU4-0441
NY	General Electric Co	89 East Ave, Rochester, NY	BA6720
NY	General Electric Co	3532 James St, Syracuse, NY	HO3-8511
NY	General Electric Co	258 Genesee St, Utica, NY	3-0922
NC	General Electric Co	112 S. Tryon St, Charlotte, NC	FR5-5571
NC	General Electric Co	Guilford Bldg, Greensboro, NC	3-7426
NC	General Electric Co	Capital Club Bldg, Raliegh, NC	4-7353
ND	General Electric Co	418 Rosser Ave, Bismarck, ND	CA3-6544
Ohio	General Electric Co	665 W. Market St, Akron, Ohio	PO2-8841
Ohio	General Electric Co	1226 Market Ave, N., Canton, Ohio	GI3-0119
Ohio	General Electric Co	2621 Victory Pkwy, Cincinnati, Ohio	UN1-3400
Ohio	General Electric Co	4966 Woodland Ave, Cleveland, Ohio	EN1-4464
Ohio	General Electric Co	395 E. Broad St, Columbus, Ohio	CA8-2615
Ohio	General Electric Co	11 W. Monument, Dayton, Ohio	BA3-1263
Ohio	General Electric Co	2600 Far Hills Ave, Dayton, Ohio	AX3-3171
Ohio	General Electric Co	420 Madison Ave, Toledo, Ohio	CH1-5291
Ohio	General Electric Co	272 E. Indianola Ave, Youngstown, Ohio	ST2-8143
Okla	General Electric Co	207 P.O. Bldg, Midwest City, Okla	PE2-4567
Okla	General Electric Co	Cravens Bldg, Oklahoma City, Okla	RE9-2574
Okla	General Electric Co	320 S. Boston Ave, Tulsa, Okla	LU5-8267
Ore	General Electric Co	1170 Pearl St, Eugene, Ore	DI5-7245
Ore	General Electric Co	107 E. Main St, Medford, Ore	2-5891
Ore	General Electric Co	2929 N.W. 29th Ave, Portland, Ore	CA8-0281
Pa	General Electric Co	1132 Hamilton St, Allentown, Pa	HE5-9635
Pa	General Electric Co	1001 State St, Erie, Pa	GI4-1511
Pa	General Electric Co	841 Oak St, Johnstown, Pa	7-8761
Pa	General Electric Co	3 Penn Center Plaza, Philadelphia, Pa	LO8-1800
Pa	General Electric Co	Oliver Bldg, Pittsburgh, Pa	AT1-6400
Pa	General Electric Co	31 N. 6th St, Reading, Pa	4-5109
Pa	General Electric Co	56 N. Harrison St, York, Pa	8-2138
RI	General Electric Co	1225 Indl Nat Bank, Providence, RI	GA1-8662
SC	General Electric Co	1226 Bull St, Columbia, SC	AL6-4278
SC	General Electric Co	108 W. Washington St, Greenville, SC	2-1584
Tenn	General Electric Co	832 Georgia Ave, Chattanooga, Tenn	AM6-1222
Tenn	General Electric Co	1301 Hannah Ave, N.W., Knoxville, Tenn	3-4135
Tenn	General Electric Co	19 S. Cleveland St, Memphis, Tenn	JA5-2781
Tenn	General Electric Co	1717 West End Bldg, Nashville, Tenn	AL5-2793
Tenn	General Electric Co	253 Main St, Oak Ridge, Tenn	5-2476
Tex	General Electric Co	Pender Bldg, Abilene, Tex	OR2-5442
Tex	General Electric Co	Amarillo Bldg, Amarillo, Tex	DR3-3781
Tex	General Electric Co	1385 Calder Ave, Beaumont, Tex	TE2-8453
Tex	General Electric Co	Kaffie Bldg, Corpus Christi, Tex	TU4933
Tex	General Electric Co	8101 Stemmons Frwy, Dallas, Tex	FL7-4581
Tex	General Electric Co	215 N. Stanton St, El Paso, Tex	3-7553
Tex	General Electric Co	408 W. 7th St, Ft. Worth, Tex	FA3329
Tex	General Electric Co	6100 Camp Bowie, Ft. Worth, Tex	SU2121
Tex	General Electric Co	4219 Richmond Ave, Houston, Tex	MO7-3301
Tex	General Electric Co	3302 Ave A, Lubbock, Tex	SH4-4563
Tex	General Electric Co	207 Kallison Bldg, San Antonio, Tex	CA6-8349
Utah	General Electric Co	200 S. Main St, Salt Lake City, Utah	EM4-1891
Va	General Electric Co	311 Main St, Warwick, Va	LY6-6333
Va	General Electric Co	700 E. Franklin St, Richmond, Va	MI7-0711
Va	General Electric Co	920 S. Jefferson St, Roanoke, Va	DI5-7764
Vt	General Electric Co	38 1/2 Center St, Rutland, Va	PR3-3348
W. Va	General Electric Co	Appalacian Bldg, Bluefield, W. Va	DA5-9118
W. Va	General Electric Co	306 MacCorkle Ave, Charleston, W. Va	DI6-9421
W. Va	General Electric Co	310 Jacobs Bldg, Fairmont, W. Va	313
W. Va	General Electric Co	Central Union Bldg, Wheeling, W. Va	108
Wash	General Electric Co	824 W. Lewis St, Pasco, Wash	LI7-5515
Wash	General Electric Co	710 2nd Ave, Seattle, Wash	MA4-8300
Wash	General Electric Co	162 Post St, Spokane, Wash	TE8-3621
Wash	General Electric Co	1216 Washington Bldg, Tacoma, Wash	BR2-8361
Wash	General Electric Co	328 N. Wenatchee Ave, Wenatchee, Wash	NO2-2404
Wisc	General Electric Co	510 W. College Ave, Appleton, Wisc	RE4-4536
Wisc	General Electric Co	940 W. St. Paul Ave, Milwaukee, Wisc	BR1-5000

GENERAL ELECTRIC CO CATHODE RAY TUBE DEPT — Syracuse, NY — GR6-4411

GENERAL ELECTRIC CO CIRCUIT PROTECTIVE DEVICES DEPT — 41 Woodford, Plainville, Conn — SH7-1671

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	General Electric Co	2540 E. 23 St, Los Angeles, Cal	LU3-6722
Ohio	General Electric Co	4561 W. 160 St, Cleveland, Ohio	CL2-6300
Tex	General Electric Co	1109 Dragon St, Dallas, Tex	RI7-9139
Wash	General Electric Co	5002 E. Marginal Way, Seattle, Wash	PA5-4800

GENERAL ELECTRIC CO CLOCK & TIMER DEPT — Ashland, Mass — TR2-4331

Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills, Cal	
Ill	G E Clock & Timer Dept	Merch Mart, Chicago 54, Ill	DE7-4450
NY	G E Clock & Timer Dept	49 W. 36th St, New York 18, NY	LA4-7100

GENERAL ELECTRIC CO COMMUNICATIONS PRODS DEPT — Lynchburg, Va — VI6-7311

Ala	G E Commun Prods Dept	608 Brown-Marx Bldg, Birmingham, Ala	FA2-6844
Ariz	G E Commun Prods Dept	1102 N. 22nd Ave, Phoenix, Ariz	AL8-6721
Ark	G E Commun Prods Dept	115 N. State, Little Rock, Ark	FR2-1159
Cal	G E Commun Prods Dept	1722 Westwood Bd, Los Angeles, Cal	BR2-0948
Cal	G E Commun Prods Dept	232 N. Lake Ave, Pasadena, Cal	RY1-5965
Cal	G E Commun Prods Dept	565 Broadway, Redwood City, Cal	EM8-2883
Cal	G E Commun Prods Dept	2052 4th St, San Rafael, Cal	GL6-2366
Colo	G E Commun Prods Dept	3775 Grove St, Denver	GE3-6391
DC	G E Commun Prods Dept	777 14th St, N.W., Wash	EX3-3600
Fla	G E Commun Prods Dept	2541 Atlantic Blvd, Pompano Beach	WE3-8836
Fla	G E Commun Prods Dept	Petroleum Bldg, Tallahassee	4-5434
Fla	G E Commun Prods Dept	420 W. Lafayette St, Tampa	8-1918
Ga	G E Commun Prods Dept	Luckie Bldg, Atlanta	CE3-8879
Ga	G E Commun Prods Dept	1330 W. Peachtree St, Atlanta	TR5-6691
Ill	G E Commun Prods Dept	600 Waukegan Rd, Glenview	GL4-8633
Ill	G E Commun Prods Dept	205 Wacker Dr, Chicago, Ill	AN3-7830
Ind	G E Commun Prods Dept	606 W. Superior St, Ft. Wayne	E-7615
Ind	G E Commun Prods Dept	3750 W. Meridian, Ind	WA5-9633
La	G E Commun Prods Dept	3305 Metairie Rd, Metairie	VE5-5792
Md	G E Commun Prods Dept	6500 Quad Ave, Baltimore	DI2-5033
Mass	G E Commun Prods Dept	471 Washington St, Wellesley	CE5-4654
Mich	G E Commun Prods Dept	16247 Wyoming Ave, Detroit, Mich	DI1-1459
Mich	G E Commun Prods Dept	Bank Lansing Bldg, Lansing	IV2-4827
Minn	G E Commun Prods Dept	Tonka Bldg, Excelsior	GR4-5948
Minn	G E Commun Prods Dept	3280 Gorham Ave, Minneapolis, Minn	WE9-4522
Mo	G E Commun Prods Dept	2826 Main St, Kansas City, Mo	LO1-8872
Mo	G E Commun Prods Dept	1808 S. Hanley, St. Louis, Mo	MI7-6350
Neb	G E Commun Prods Dept	Sharp Bldg, Lincoln	2-1936
NY	G E Commun Prods Dept	914 Old Liverpool Rd, Liverpool	OL2-2531
NY	G E Commun Prods Dept	271 North Ave, New Rochelle	3-7012
NC	G E Commun Prods Dept	Builders Bldg, Charlotte, NC	FR5-5244
ND	G E Commun Prods Dept	410 1/2 Thayer Ave, Bismarck	CA3-8111
Ohio	G E Commun Prods Dept	1514 Robinway Dr, Cincinnati, Ohio	BE1-1050
Ohio	G E Commun Prods Dept	1013 Williamson Bldg, Cleveland, Ohio	SU1-6882
Ohio	G E Commun Prods Dept	4292 Indianola Ave, Columbus	AM7-5473
Okla	G E Commun Prods Dept	6715 North May, Oklahoma City	VI2-4421
Ore	G E Commun Prods Dept	2929 N. W. 29th Ave, Portland, Ore	CA8-0281
Pa	G E Commun Prods Dept	3202 Devine St, Columbia, Pa	AL2-5437
Pa	G E Commun Prods Dept	5907 Penn Ave, Pittsburgh, Pa	EM2-5055
Tenn	G E Commun Prods Dept	4711 Poplar Ave, Memphis	MU2-3591
Tenn	G E Commun Prods Dept	Life & Casualty Tower, Nashville	CH2-5469
Tex	G E Commun Prods Dept	3200 Maple Ave, Dallas	RI7-4296
Tex	G E Commun Prods Dept	1100 E. Holcomb Blvd, Houston, Tex	JA8-0657
Tex	G E Commun Prods Dept	212 W. Tex, Midland	MU2-9257
Tex	G E Commun Prods Dept	109 Lexington Ave, San Antonio, Tex	CA4-7151
Utah	G E Commun Prods Dept	2518 S. State St, S. Salt Lake City	HU4-5203
Va	G E Commun Prods Dept	Willow Lawn Shop Ctr, Richmond, Va	AT8-1935
Va	G E Commun Prods Dept	Mt. View Rd, Lynchburg, Va	VI6-7311
Wash	G E Commun Prods Dept	2 Hanford St, Seattle, Wash	MA2-7661
Wash	G E Commun Prods Dept	S. 162 Post, Spokane, Wash	TE8-3621
W. Va	G E Commun Prods Dept	516 D St, S. Charleston	RI4-9722
Wisc	G E Commun Prods Dept	510 W. College Ave, Appleton, Wisc	RE4-4536

GENERAL ELECTRIC CO COMPUTER DIV — Phoenix, Ariz — WI3-2351

Ariz	G E Computer Div	13430 N. Black Canyon Hwy, Phoenix	WI3-2351
Cal	G E Computer Div	3325 Wilshire Blvd, Los Angeles, Cal	DU1-3641
Cal	G E Computer Div	941 Charleston Rd, Palo Alto, Cal	DA1-0162
Ill	G E Computer Div	840 S. Canal St, Chicago, Ill	TR4-4212
Ky.	G E Computer Div	Appliance Park, Louisville, Ky	GL4-7511
Md	G E Computer Div	7401 Wisconsin Ave, Bethesda, Md	OL2-8100
NY	G E Computer Div	570 Lexington Ave, New York, NY	PL1-1311
NY	G E Computer Div	1 River Rd, Schenectady, NY	FR4-2211
Ohio	G E Computer Div	4966 Woodland Ave, Cleveland, Ohio	EA1-4464
Ohio	G E Computer Div	2600 Far Hills Ave, Dayton, Ohio	AX3-3171

GENERAL ELECTRIC CO DISTRIBUTION ASSEMBLIES DEPT — 41 Woodford, Plainville, Conn — SH7-1671

Md	G E Distr Assemblies	111 Park Ave, Baltimore 1, Md	MU5-6500
Minn	G E Distr Assemblies	6121 Excelsior Blvd, Minneapolis 16, Minn	WE9-4524
NY	G E Distr Assemblies	625 Delaware Ave, Buffalo 5, NY	GA9210

GENERAL ELECTRIC CO HEAVY MILITARY ELECTRONICS DEPT — Court St, Syracuse, NY — GR6-4411

Ala	Dale S Harris	3322 Memorial Pkwy, S., Huntsville, Ala	JE9-5766
Cal	Robert E Schmid	3325 Wilshire Blvd, Los Angeles, Cal	DU1-3641
Colo	J W Houmes	1424 N. Hancock Ave, Colorado Springs	ME3-1415
DC	H A Crossland	777 14th St, N.W., Wash, DC	EX3-3600
Mass	J H McClennan	114 Waltham St, Lexington, Mass	VO2-1425
NJ	D Marcum	43 W. Front St, Red Bank, NJ	SH1-8484

GENERAL ELECTRIC CO LAMINATED PRODS DEPT — Coshocton, Ohio — MA2-5310

Ala	G E Laminated Products Dept	10234 Lakewood Blvd, Downey, Ala	SP3-3144
Ala	G E Laminated Prods Dept	1229 Burlingame Ave, Burlingame, Ala	DI4-5757
Fla	G E Laminated Prods Dept	2629 Central Ave, St. Petersburg, Fla	7-3918
Ga	G E Laminated Prods Dept	3131 Piedmont Ave, N.E., Atlanta, Ga	CE3-8693
Ill	G E Laminated Prods Dept	840 S. Canal St, Chicago, Ill	WA2-5611
Md	G E Laminated Prods Dept	1500 Barclay St, Baltimore, Md	LE9-3567

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	G E Laminated Prods Dept	145 N. Beacon St, Boston, Mass	AL4-5316
Mich	G E Laminated Prods Dept	2211 Woodward Ave, Detroit, Mich	WO3-7811
Minn	G E Laminated Prods Dept	2524 Hennepin Ave, Minneapolis, Minn	FR7-1145
Mo	G E Laminated Prods Dept	2619 McGee Trfwy, Kansas City, Mo	VI2-6690
NY	G E Laminated Prods Dept	1 River Rd, Schenectady	FR7-7456
NY	G E Laminated Prods Dept	3532 James St, Syracuse, NY	HO3-8511
NY	G E Laminated Prods Dept	600 Jefferson Rd, Rochester, NY	GR3-5200
NY	G E Laminated Prods Dept	570 Lexington Ave, New York	PL1-1311
Ohio	G E Laminated Prods Dept	320-B Swifton Center, Cincinnati, Ohio	RE1-1150
Ohio	G E Laminated Prods Dept	6886 Pear Rd, Cleveland, Ohio	VI2-1000
Pa	G E Laminated Prods Dept	1405 Locust St, Philadelphia, Pa	PE5-9028
Tex	G E Laminated Prods Dept	6500 Cedar Springs Rd, Dallas, Tex	FL1-3725
Wash	G E Laminated Prods Dept	314 Fairview N., Seattle, Wash	MA2-7131

GENERAL ELECTRIC CO LAMP GLASS DEPT — EBG8 Nela Pl, Cleveland 12, Ohio — WH2-9300

Cal	D F Kempf	2747 S. Malt Ave, Los Angeles 22, Cal	RA3-2541
NJ	K C Field	744 Broad St, Newark 2, NJ	MA3-3953

GENERAL ELECTRIC CO LAMP METALS & COMPONENTS DEPT — 21800 Tungsten, Cleveland 17, Ohio — KE1-5050

Mass	General Electric Co	50 Indl Pk, Newton Upper Falls, Mass	DE2-6200
Ohio	General Electric Co	82 W. Ashtabula St, Jefferson, Ohio	JE635
RI	General Electric Co	586 Atwells Ave, Providence, RI	GA1-1610

GENERAL ELECTRIC CO LIGHT MILITARY ELECTRONICS DEPT — French Rd, Utica, NY — SW7-1000

Cal	GE-LMED	3325 Wilshire Blvd, Los Angeles, Cal	DU1-3641
DC	GE-LMED	777-14th St, N.W., Washington DC	EX3-3600
Mo	GE-LMED	Meramec Bldg, Clayton, Mo	PA6-1311
Neb	GE-LMED	2231 Jefferson St, Bellevue, Neb	BE1784
NY	GE-LMED	Adv Elec Center, Cornell Univ, Ithaca	4-6321
NY	GE-LMED	560 Main St, Johnson City, NY	9-2511
NY	GE-LMED	600 Old Country Rd, Garden City, NY	PI7-6300
Ohio	GE-LMED	333 W. 1st St, Dayton, Ohio	BA2-1135
Wash	GE-LMED	550 W. Idaho St, Seattle, Wash	MA4-3950

GENERAL ELECTRIC CO MAGNETIC MATERIALS SECTION — 7806 N. Neff Blvd, Edmore, Mich — RA7-5151

Cal	General Electric Co	2106 W. Washington Blvd, L A 18, Cal	RE1-8266
Colo	PA Mac Kelvie	951 Cottonwood Ave, Littleton, Colo	PY4-7411
Ga	General Electric Co	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8086
Ill	General Electric Co	4117 S. Western Blvd, Chicago 9, Ill	CL4-8686
Minn	R S Grout	1158 Stryker Ave, St. Paul, Minn	CA2-0673
NJ	General Electric Co	760 Colfax Ave, Kenilworth, NJ	CH5-7250
NY	A R Kozlowski	20 Irvington Rd, Rochester 20, NY	HI5-5370
Foreign	International General Electric	150 E. 42nd St, New York 17, NY	PL1-1311

GENERAL ELECTRIC CO MINIATURE LAMP DEPT — Nela Pl-Noble Rd, Cleveland, Ohio — GL1-6600

Cal	General Electric Co	2747 S. Malt Ave, Los Angeles 22, Cal	RA3-2541
Cal	General Electric Co	1448 Casa Vallecita, Alamo, Cal	YE3-9653
Colo	General Electric Co	6501 E. 44th Ave, Denver, Colo	DU8-4611
Conn	General Electric Co	Cedar Ln, Northford, Conn	LO2-9828
Fla	General Electric Co	1350 N.W. 74th St, Miami 43, Fla	PL7-8481
Ga	General Electric Co	359 E. Paces Ferry Rd, Atlanta 5, Cal	CE7-0795
Ill	General Electric Co	165 N. Canal St, Chicago 6, Ill	DE2-4712
Ill	General Electric Co	111 4th Ave, Rock Island, Ill	8-3405
Ind	General Electric Co	3333 N. Meridian, Indianapolis 8, Ind	WA4-5638
Ky	General Electric Co	201-7 Rosemont Gdn, Lexington, Ky	7-1161
Md	General Electric Co	Box 7427, Baltimore 27, Md	CI2-5700
Mass	General Electric Co	50 Ind Pl, S.E., Newton Upper Falls	DE2-6200
Mich	General Electric Co	820 Fisher Bldg, Detroit 2, Mich	TR4-1400
Minn	General Electric Co	500 Stinson Blvd, Minneapolis 13, Minn	ST9-7286
Mo	General Electric Co	200 E. 16th Ave, N. Kansas City 16, Mo	GR1-3568
Mo	General Electric Co	800 N. 12th Blvd, St. Louis 1, Mo	CH1-8920
NJ	General Electric Co	40-17th Ave, Newark, NJ	BI3-4500
NY	General Electric Co	570 Lexington Ave, New York 22, NY	PL1-1311
NY	General Electric Co	3532 James St, Syracuse, NY	HO3-8511
NY	General Electric Co	258 Genesee St, Utica, NY	RE3-0922
NY	General Electric Co	35 Chestnut St, Rochester, NY	BA5-6720
NC	General Electric Co	1001 Tuckaseegee Rd, Charlotte, NC	FA6-6585
Ohio	General Electric Co	36 E. 4th St, Cincinnati 2, Ohio	DU1-2462
Ohio	General Electric Co	12910 Taft Ave, Cleveland 8, Ohio	LI1-1700
Ohio	General Electric Co	4292 Indianola Ave, Columbus 14, Ohio	AM3-1262
Ohio	General Electric Co	225 N. Wilkinson St, Dayton 2, Ohio	BA3-5266
Ohio	General Electric Co	1225 E. Manhattan Blvd, Toledo 8, Ohio	RA6-1521
Pa	General Electric Co	Rt 202 at Expwy, King of Prussia, Pa	MU8-5900
Pa	General Electric Co	238 W. Carson St, Pittsburgh 19, Pa	GR1-9050
Tenn	General Electric Co	1179 Morehead St, Memphis 7, Tenn	JA3-1441
Tex	General Electric Co	6500 Cedar Springs Rd, Dallas, Tex	FL1-3725
Wash	General Electric Co	10 W. Connecticut, Seattle, Wash	MA8081
Wisc	General Electric Co	5300 N. Sherman Blvd, Milwaukee 9	HO2-3850

GENERAL ELECTRIC CO MISSILE & VEHICLE DEPT — 3198 Chestnut St, Philadelphia 4, Pa — EV2-7800

Ala	J A Harrell	112 Gallatine St, N.W., Huntsville, Ala	JE9-5173

GENERAL ELECTRIC CO ORDNANCE DEPT — 100 Plastics Ave, Pittsfield, Mass — HI3-3561

Cal	General Electric Co	2443 Ash St, Palo Alto, Cal	
DC	General Electric Co	777 14th St, N.W., Wash, DC	EX3-3600

GENERAL ELECTRIC CO POWER TUBE DEPT — 1 River Rd, Schenectady 5, NY — FR4-2211

GENERAL ELECTRIC CO RECEIVING TUBE DEPT — 316 E. 9 St, Owensboro, Ky — MU3-2401

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO SEMICONDUCTOR PRODS DEPT — **Charles Bldg, Liverpool, NY**	**GR6-4411**
Cal	G E Semiconductor Products — 11840 W. Olympic Blvd, Los Angeles	GR9-7765
Cal	G E Semiconductor Products — 442 Peninsular Ave, San Mateo, Cal	DI2-7201
DC	G E Semiconductor Products — 777 14th St, N.W., Wash 5, DC	EX3-3600
Fla	G E Semiconductor Products — 740 Essex Pl, Orlando, Fla	
Ill	G E Semiconductor Products — 3600 N. Milwaukee Ave, Chicago, Ill	SP7-1600
Mass	G E Semiconductor Products — 701 Washington St, Newtonville 60, Mass	DE2-7120
Mich	G E Semiconductor Products — 16247 Wyoming Ave, Detroit 21, Mich	DI1-1459
NH	G E Semiconductor Products — 200 Main Ave, Clifton, NJ	GR3-6387
NY	G E Semiconductor Products — 600 Old Country Rd, Garden City, NY	PI1-4710
Ohio	G E Semiconductor Products — 2111 S. Green Rd, Cleveland 21, Ohio	EV2-0680
Tex	G E Semiconductor Products — 3200 Maple Ave, Dallas, Tex	RI2-7971

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO SEMICONDUCTOR PRODS DEPT RECTIFIER COMPONENT PROD SECT — **W. Genesse St, Auburn, NY**	
Cal	General Electric Co — 11840 W. Olympic Blvd, Los Angeles	GR9-7765
Cal	General Electric Co — 442 Peninsular Ave, San Mateo, Cal	DI2-7201
Colo	General Electric Co — Denver, Colo	
DC	General Electric Co — 777 14th St, N.W., Washington 5, DC	EX3-3600
Fla	A M Barko — 104 E. Gore Ave, Orlando, Fla	CH1-2991
Ill	General Electric Co — 3600 N. Milwaukee Ave, Chicago, Ill	SP7-1600
Mass	General Electric Co — 701 Washington St, Newtonville 60, Mass	DE2-7120
Mich	General Electric Co — 16247 Wyoming Ave, Detroit 21, Mich	DI1-1459
Minn	General Electric Co — 3280 Gordon Ave, Minneapolis, Minn	WE9-4622
NJ	General Electric Co — 200 Main Ave, Clifton, NJ	GR3-6387
NY	General Electric Co — Charles Bldg, Liverpool, NY	GR6-4411
NY	General Electric Co — 600 Old Country Rd, Garden City, NY	PI1-4710
Ohio	General Electric Co — 2111 S. Green Rd, Cleveland 21, Ohio	EV2-0680
Pa	T Loucas — Barclay Bldg, Bala-Cynwyd, Pa	
Tex	General Electric Co — 3200 Maple Ave, Dallas 4, Tex	RI2-7971
Foreign	Intl General Electric Co — 150 E. 42 St, New York, NY	
Canada	Canadian General Electric Co — 189 Dufferin St, Toronto, Ontario, Canada	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO SILICONE PRODS DEPT — **Dept A, Waterford, NY**	**AD6-3330**
Cal	G E Silicone Products — 10234 Lakewood Blvd, Downey, Cal	SP3-3144
Cal	G E Silicone Products — 220 E. 3rd Ave, San Mateo, Cal	DI2-6044
Conn	G E Silicone Products — 1285 Boston Ave, Bridgeport 2, Conn	ED4-1012
Fla	G E Silicone Products — Box 2614, Jacksonville 3, Fla	EX8-1822
Ill	G E Silicone Products — 840 S. Canal St, Chicago 80, Ill	WA2-5611
Mass	G E Silicone Products — 145 N. Beacon St, Boston 35, Mass	AL4-5318
Mich	G E Silicone Products — 2211 Woodward Ave, Detroit 1, Mich	WO3-7811
Mo	G E Silicone Products — 2375 Hampton Ave, St. Louis 10, Mo	ST1-0409
NJ	G E Silicone Products — 254 Elizabeth Ave, Newark, NJ	BI3-3662
NC	G E Silicone Products — 1801 Pembroke Rd, Greensboro, NC	BR3-0051
Ohio	G E Silicone Products — 1503 Brookpark Rd, Cleveland 9, Ohio	SH9-2700
Pa	G E Silicone Products — 1405 Locust St, Philadelphia, Pa	PE5-9028
Tex	G E Silicone Products — 6500 Cedar Springs, Dallas, Tex	FL1-3725
Canada	Canadian G E Co Ltd — 940 Lansdowne Ave, W., Toronto, Can	LE4-6511
Foreign	International G E Co — 150 E. 42 St, New York 17, NY	PL1-1311

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO SPECIALTY HEATING PRODS SEC — **Box 278, Cossackie, NY**	**CO6-5621**
Cal	General Electric Co — 3325 Wilshire Blvd, Los Angeles, Cal	DU1-3641

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO WILLOUGHBY QUARTZ PLANT — **Dept EBG-60, Willoughby, Ohio**	**WH2-9300**
Cal	General Electric Co — 2747 S. Malt Ave, Los Angeles 22, Cal	RA3-2541
NJ	General Electric Co — 744 Broad St, Newark 2, NJ	MA3-3953

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO WIRE & CABLE ADVERTISING — **1285, Boston Ave, Bridgeport 2, Conn**	**ED4-1012**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRIC CO X-RAY DEPT — **4855 Electric Ave, Milwaukee, Wisc**	**EV3-3211**
Ala	G E X-Ray Dept — 707 S. 21st St, Birmingham, Ala	AL2-3578
Ariz	G E X-Ray Dept — 821 W. Adams St, Phoenix, Ariz	AL4-0181
Ark	G E X-Ray Dept — 3015 Lewis St, Little Rock, Ark	MO4-1991
Cal	G E X-Ray Dept — 1225 N. Vermont Ave, Los Angeles, Cal	NO3-9367
Cal	G E X-Ray Dept — 521 Grape St, San Diego, Cal	BE2-8139
Cal	G E X-Ray Dept — 1269 Howard St, San Francisco, Cal	MA1-3864
Cal	G E X-Ray Dept — 235 Montgomery St, San Francisco, Cal	DO2-3740
Colo	G E X-Ray Dept — 3031 E. 40th Ave, Denver, Colo	DU6-4088
Conn	G E X-Ray Dept — 528 Farmington Ave, Hartford, Conn	AD3-2616
DC	G E X-Ray Dept — 8710 Georgia, N.W., Silver Spring, Md	JU9-4355
Fla	G E X-Ray Dept — 1009 W. Platt St, Tampa, Fla	8-3757
Fla	G E X-Ray Dept — 210 W. 8 St, Jacksonville, Fla	EL4-3188
Fla	G E X-Ray Dept — 104 S.W. 27 Ave, Miami, Fla	HI3-1719
Fla	G E X-Ray Dept — Bryan Dairy Rd, St. Petersburg, Fla	WA1-9611
Ga	G E X-Ray Dept — 1383 Spring St, N.W., Atlanta, Ga	TR5-2736
Hawaii	G E X-Ray Dept — 745 Fort St, Honolulu, Hawaii	5-1511
Ill	G E X-Ray Dept — 917-19 E. Adams St, Springfield, Ill	SP4-5487
Ill	G E X-Ray Dept — 1061 W. Jackson Blvd, Chicago, Ill	SE3-0700
Ind	G E X-Ray Dept — 1845 W. 18 St, Indianapolis, Ind	ME5-4576
Iowa	G E X-Ray Dept — 2211 W. Grand Ave, Des Moines, Iowa	AT8-0295
Ky	G E X-Ray Dept — 501 W. Oak St, Louisville, Ky	JU3-9562
La	G E X-Ray Dept — 1511-13 Line Ave, Shreveport, La	2-8743
La	G E X-Ray Dept — 7715 Edinburgh, New Orleans, La	HL8-7742
Md	G E X-Ray Dept — 3012 Greenmount Ave, Baltimore, Md	HO7-5340
Mass	G E X-Ray Dept — 163 Mechanic St, Worcester, Mass	PL6-0416
Mass	G E X-Ray Dept — 365 Belmont Ave, Springfield, Mass	RE2-2936
Mass	G E X-Ray Dept — 1256 Soldier Field Rd, Boston, Mass	ST2-1100
Mich	G E X-Ray Dept — 18801 W. 7 Mile Rd, Detroit, Mich	KE7-6300
Minn	G E X-Ray Dept — 928 E. Second St, Duluth, Minn	RA4-8648
Minn	G E X-Ray Dept — 808 Nicollet Ave, Minneapolis, Minn	FE6-1643
Mo	G E X-Ray Dept — 2200 S. 59 St, St. Louis, Mo	WI5-1565
Mo	G E X-Ray Dept — 706 Westport Rd, Kansas City, Mo	JE1-3505
Mont	G E X-Ray Dept — 103 N. Wyoming St, Butte, Mont	2-5871
NJ	G E X-Ray Dept — 52 Comm St, Newark, NJ	DR9-4865
NY	G E X-Ray Dept — 625 Delaware Ave, Buffalo, NY	GA9210
NY	G E X-Ray Dept — 1937 Teall Ave, Syracuse, NY	HE7-9436
NY	G E X-Ray Dept — 8 Elk St, Albany, NY	3-4447
NY	G E X-Ray Dept — 960 Busti Ave, Buffalo, NY	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NY	G E X-Ray Dept — 205 E. 42 St, New York, NY	MU9-4422
NC	G E X-Ray Dept — 1140 Elizabeth Ave, Charlotte, NC	FR6-1531
Ohio	G E X-Ray Dept — 520 Broadway, Toledo, Ohio	CH2-9744
Ohio	G E X-Ray Dept — 3056 W. McMicken Ave, Cincinnati, Ohio	MU1-7230
Ohio	G E X-Ray Dept — 3829 Carnegie Ave, Cleveland, Ohio	UT1-9600
Ohio	G E X-Ray Dept — 1373 Columbus Ave, Columbus, Ohio	HU8-0619
Okla	G E X-Ray Dept — 4030 N.W. 10th St, Oklahoma City, Okla	DI3-7183
Ore	G E X-Ray Dept — 522 N.W. 23 Ave, Portland, Ore	CA7-6503
Pa	G E X-Ray Dept — Hunting Park At Ridge, Philadelphia, Pa	BA5-7600
Pa	G E X-Ray Dept — 231 S. Euclid Ave, Pittsburgh, Pa	EM2-3800
RI	G E X-Ray Dept — 241 Harris Ave, Providence, RI	UN1-5888
Tenn	G E X-Ray Dept — 778 Madison Ave, Memphis, Tenn	JA5-0526
Tenn	G E X-Ray Dept — 507 E. 8 St, Chattanooga, Tenn	AM6-7022
Tex	G E X-Ray Dept — 101 N. McCullough Ave, San Antonio	CA3-6943
Tex	G E X-Ray Dept — 1830 westheimer Rd, Houston, Tex	JA9-4785
Tex	G E X-Ray Dept — 1616 Oak Lawn Ave, Dallas, Tex	RI1-1568
Utah	G E X-Ray Dept — 215 S. 14th, E., Salt Lake City, Utah	EM3-2901
Va	G E X-Ray Dept — 515 Norfolk Ave, S.W., Roanoke, Va	DI3-6209
Va	G E X-Ray Dept — 3425 Leigh St, Richmond, Va	EL9-5059
Wash	G E X-Ray Dept — N. 1112 Washington St, Spokane, Wash	FA9-6654
Wash	G E X-Ray Dept — 217-8 Ave, N., Seattle, Wash	MA3-5602
W. Va	G E X-Ray Dept — 5616 MacCorkle Ave, S.E., Charleston	WA5-9475
Wisc	G E X-Ray Dept — 547 N. 16th St, Milwaukee, Wisc	DI2-1337

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	G E CO LTD OF ENGLAND — **80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Garrard Sales Corp	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRODYNAMICS CORP — **4430 Forest La, Garland, Tex**	**BR6-1161**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL ELECTRONIC LAB INC — **18 Ames St, Cambridge, Mass**	**UN4-8500**
Cal	William Savory — 15061 Hamlin St, Van Nuys, Cal	ST1-4110
DC	Robert Mathias — 1507 M St, N.W., Wash, DC	CO5-3080
Ohio	Frederick Harris — 324 Salem Ave, Dayton 6, Ohio	CR5-5771

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL FINDINGS & SUPPLY CO., INDUSTRIAL DIV — **Attleboro, Mass**	**AT1-1155**
Ariz	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Cal	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Colo	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Conn	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
Del	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
DC	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
Idaho	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ill	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ind	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Iowa	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Kan	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ky	Schenck & Brower Associates — 2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Me	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
Md	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
Mass	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
Mich	Jerry Gitre & Co — 12909 W. Eight Mile Rd, Detroit 35, Mich	DI1-9270
Minn	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	
Mo	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Mont	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Neb	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Nev	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
NH	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
NJ	Sam Greenbaum — 641 Crown St, Brooklyn 13, NY	CI5-8090
NM	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
NY	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
NC	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
ND	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Ohio	Ed Bock & Associates — 3870 W. 212th St, Cleveland 26, Ohio	ED1-4632
Ohio	Schenck & Brower & Associates — 2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Okla	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Ore	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Pa	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
RI	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
SC	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
SD	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Tex	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Utah	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
Vt	Norman Curtis — P.O. Box 307, Taunton, Mass	VA2-7010
Va	Sam Greenbaum — 608 Fifth Ave, New York, NY	CI5-8090
Wash	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219
W. Va	Schenck & Brower & Associates — 2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Wisc	Roger Snow — 400 Landmeier Rd, Elk Grove Village, Ill	
Wyo	Ken Babin — 4287 Klump Ave, North Hollywood, Cal	TR7-4219

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL GASKETS INC — **Middletown, Conn**	**DI6-6203**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL HERMETIC SEALING CORP — **99 E. Hawthorne Ave, Valley Stream, NY**	**VA5-6363**
Cal	Cam & Co — 1717 N. Highland, Los Angeles 28, Cal	HO2-6491
Del	Tyler Griffin Co — 32 S. Fairfield Rd, Devon, Pa	EN9-4821
DC	Tyler Griffin Co — 32 S. Fairfield Rd, Devon, Pa	EN1-4821
Md	Tyler Griffin Co — 32 S. Fairfield Rd, Devon, Pa	EN9-4821
NJ	Tyler Griffin Co — 32 S. Fairfield Rd, Devon, Pa	EN9-4821
NY	Herbert Shorentz Co — P. O. Box 147, Scarsdale, NY	SC5-0485
Ohio	Rixan Associates Inc — 33 W. Stratford Ave, Dayton 2, Ohio	BA2-0011
Pa	Tyler Griffin Co — 32 S. Fairfield Rd, Devon, Pa	MU8-4821
Tex	Max Daggett — P. O. Box 30152, Dallas 30, Tex	EM8-2871

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL INDUSTRIES CO — **Olive & Taylor Sts, Elyria, Ohio**	**FA3-3136**
Ariz	W Bert Knight Co — P.O. Box 7281, Phoenix, Ariz	WH6-2201
Cal	W Bert Knight Co — 10377 W. Pico Blvd, Los Angeles 64, Cal	BR2-0101
Cal	Moulthrop & Hunter — 165 Eleventh St, San Francisco 3, Cal	UN3-7889
Colo	Moss Sales Co — 1530-13th Ave, Greeley, Colo	EL3-1452
Ga	Hollingsworth & Still — 508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Ill	W L Holst — 2753 W. North Ave, Chicago, Ill	DI2-2474

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Iowa	Kay Sales Co — 2702-41st Pl, Des Moines 10, Iowa	
Mass	Michael Scott Co — 336 Washington St, Wellesley Hills	WE5-0102
Minn	Wood Clemons Co — 1645 Hennepin Ave, Minneapolis 3, Minn	FE90707
Mo	Kay Sales Co — 2600 Grand Ave, Kansas City 8, Mo	BA3800
NY	Perry Saffler Associates Inc — 157 W. 57th St, New York 19, NY	CI7-3855-6-7
Pa	George S Curtis Jr — 16 W. Lancaster Ave, Ardmore, Pa	MI2-8060
Tex	Koch Engineering & Sales Co — 309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Wash	James J Backer Co — 221 W. Galer St, Seattle 99, Wash	AL6470
Canada	Charles W Pointon — 66 Racine Rd, Rexdale, Ontario, Canada	CH7-8777
Foreign	General Industries Co — 13 E. 40th St, New York 16, NY	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL INSTRUMENT CORP., SEMICONDUCTOR DIV — **65 Governor St, Newark 4, NJ**	**HU5-2100**
Ariz	Gramer & Co — 444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Cal	General Instrument Corp — 11982 Wilshire Blvd, Los Angeles, Cal	GR8-4750
Cal	Logan & Stone — 1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Colo	Hyde Electronics Co — 888 S. Logan St, Denver, Colo	WE6-3456
Conn	Todino Engineering Sales Co., Inc — 1007 Farmington Ave, W. Hartford, Conn	AD2-9532
Fla	Chris Small Co — P.O. Box 1346, Orlando, Fla	GA4-2071
Ga	J E Joyner & Associates — P.O. Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ill	General Instrument Corp — 5249 W. Diversey Ave, Chicago, Ill	NA2-6140
Ind	Scott & Steffen Inc — 915 N. Pennsylvania Ave, Indpls	ME5-8951
Ky	Scott & Steffen Inc — 366 Francis Bldg, Louisville, Ky	JU3-3220
Md	Massey Associates — 111 Centerway, Greenbelt, Md	GR4-2071
Mass	Todino Engineering Sales Co., Inc — 50 Kearney Rd, Needham 94, Mass	HI4-7925
Mich	A B M Sales Co — 10116 Puritan, Detroit 38, Mich	UN2-1300
Minn	A J Warner Co — 5022 29th Ave, S., Minneapolis, Minn	PA9-7371
Mo	E B Schwerin Co — 4210 Main St, Kansas City 11, Mo	WE1-7564
NM	Hyde Electronics Co — 5206 Constitution Ave, Albuquerque, NM	AM8-1111
NY	Kahgan Sales Corp — 1261 Broadway, New York 1, NY	MU4-7772
NY	Jack McDonough Associates — 2070 Sheridan Dr, Kenmore 23, NY	DE6681
Ohio	Scott & Steffen Inc — 1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Ohio	Scott & Steffen Inc — 120 W. Second St, Dayton 2, Ohio	BA3-2652
Pa	Massey Associates — 529 Brookhurst Ave, Narberth, Pa	MO4-4200
Pa	Scott & Steffen Inc — 507 Liberty Ave, Pittsburgh, Pa	GR1-5233
Tex	Southwest Electronic Industries — 273 Meadows Bldg, Dallas 6, Tex	EM3-1671
Utah	Hyde Electronics Co — 2803 Conner St, Salt Lake City, Utah	IN7-5763
Wash	James J Backer Co — 221 W. Galer, Seattle 99, Wash	AT3-6470
Canada	General Instrument Corp — Box 408, Waterloo, Ontario	LI4-5442
Foreign	Morhan Exporting Corp — 458 Broadway, New York, NY	BO9-7750

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL INSULATED WIRE WKS INC — **69 Gordon Ave, Providence 5, RI**	**HO1-2100**
Ariz	General Cable Corp — 3316 E. Washington St, Phoenix, Ariz	
Ark	General Cable Corp — 3316 E. Washington St, Phoenix, Ariz	
Cal	General Cable Corp — 2906 Leonis Blvd, Los Angeles, Cal	
Cal	General Cable Corp — 520 East St, San Diego, Cal	
Cal	General Cable Corp — 185 Industrial St, San Francisco	
Colo	General Cable Corp — 4201 E. 48th Ave, Denver, Colo	
Del	General Cable Corp — 95 S. Eagle Rd, Havertown, Pa	
DC	General Cable Corp — 261 Constitution Ave, N.W., Wash, DC	
Fla	General Cable Corp — 2515 E. Hanna Ave, Tampa, Fla	
Fla	General Cable Corp — 3501 N.W. 60th St, Miami, Fla	
Ga	General Cable Corp — 1401 Ellsworth Dr, N.W., Atlanta, Ga	
Hawaii	General Cable Corp — 742 Ala Moana Blvd, Honolulu	
Ill	General Cable Corp — 920 N. MacArthur Blvd, Springfield	
Ill	General Cable Corp — 544 N. Wolcott, Chicago, Ill	
Ill	General Cable Corp — 4820 N. Harlem Ave, Chicago	
Ind	General Cable Corp — 1735 W. 18th St, Indianapolis, Ind	
Iowa	General Cable Corp — 2050 Delenara, Des Moines, Iowa	
Kan	General Cable Corp — 920 Cable Rd, Kansas City, Kan	
Ky	General Cable Corp — 4260 Poplar Level Rd, Louisville, Ky	
La	General Cable Corp — 3923 Euphrosina St, New Orleans, La	
Md	J & H Sales — Towson, Md	
Mich	E J Kerschen — 628 Hallister, Detroit, Mich	
Minn	General Cable Corp — 404 W. 79th St, Minneapolis, Minn	
Miss	General Cable Corp — 404 W. 79th St, Minneapolis, Minn	
Mo	General Cable Corp — 418 Wall St, Joplin, Mo	
Mont	General Cable Corp — 418 Wall St, Joplin, Mo	
Neb	General Cable Corp — 418 Wall St, Joplin, Mo	
Nev	General Cable Corp — 418 Wall St, Joplin, Mo	
NJ	General Cable Corp — 1071 Hudson St, Union, NJ	
NM	General Cable Corp — 2100 Zearing Ave, N.W., Albuquerque	
NY	General Cable Corp — Wavel St, E. Syracuse, NY	
NY	General Cable Corp — 17 Court St, Buffalo	
NY	Ray Roller — 90 W. Broadway, NY	
NC	General Cable Corp — 2323 Cambell St, Raliegh, NC	
ND	General Cable Corp — 2323 Campbell St, Raliegh, NC	
Ohio	Hillebrant-Greenlear Co — 8905 Lake Ave, Cleveland, Ohio	
Ohio	General Cable Corp — 8905 Lake Ave, Cleveland, Ohio	
Ore	General Cable Corp — 2215 N. W. Quimby St, Portland, Ore	
Pa	General Cable Corp — 2242 California Ave, Pittsburgh, Pa	
Pa	General Cable Corp — 95 S. Eagle Rd, Havertown, Pa	
Tenn	General Cable Corp — 1288 Orgill Ave, Memphis	
Tex	General Cable Corp — 311 Eads Ave, San Antonio	
Tex	General Cable Corp — 1620 Oaklawn, Dallas	
Utah	General Cable Corp — 311 Eads Ave, San Antonio, Tex	
Utah	General Cable Corp — 1620 Oaklawn, Dallas, Tex	
Va	General Cable Corp — 2315 Westwood Ave, Richmond	
Wash	General Cable Corp — 1137 W. Hanford St, Seattle, Wash	
W.Va	General Cable Corp — 1137 W. Hanford St, Seattle, Wash	
Wisc	General Cable Corp — 6520 W. State St, Milwaukee, Wisc	
Wyo	General Cable Corp — 6520 W. State St, Milwaukee, Wisc	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL KINETICS INC — **2611 Shirlington Rd, Arlington 6, Va**	**JA5-4055**
	GENERAL LABORATORY ASSOC INC — **Norwick, NY**	**4-3264**
Cal	Charles A Spadaro — 6331 Hollywood Blvd, Hollywood, Cal	HO4-7815

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL MAGNETICS INC — **135 Bloomfield Ave, Bloomfield, NJ**	**PI8-2400**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL MEASUREMENTS CO., INC — **1108 Beacon St, Newton Highlands 61, Mass**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GENERAL METAL PRODUCTS CO.. 1010-14 Centre St, Boston, Ma	BL8-9122
NJ	Geo J Hepp ... Monmouth Beach, NJ	CA9-3477
NY	Geo J Hepp ... Monmouth Beach, NJ	CA9-3477
	GENERAL METERS INC P.O. Box 1701, Grand Junction, Colo	CH3-0954
Cal	Brenner-Fiedler Associates ... 7563 Melrose Ave, Los Angeles, Cal	WE3-3811
Colo	T M T Associates ... Industrial Park, Boulder, Colo	HI2-3837
NY	Joseph L Heller Associates ... 139-30 34th Rd, Flushing 54, NY	FL3-8900
	GENERAL MILLS INC MECH DIV 1620 Central Ave, N.E., Minnpls 13, Minn	ST9-8811
Cal	General Mills Inc ... 205 Avenida Del Norte, Redondo Beach	FR5-0612
DC	General Mills Inc ... 1000 16th St, N.W., Washington 6, DC	RE7-6161
Minn	General Mills Inc ... 1620 Central Ave, N.E., Minneapolis 13	ST9-8811
Ohio	General Mills Inc ... 2600 Far Hills Bldg, Dayton 19, Ohio	AX9-3997
	GENERAL NUCLEAR CORP 590 Fifth Ave, New York 28, NY	PL7-3638
	GENERAL PHOTO PRODS CO., INC 15 Summit Ave, Chatham, NJ	ME5-5200
	GENERAL PLASTICS CORP 165 Third Ave, Paterson, NJ	AR4-4710
Cal	H I Thompson Fiber Glass Co ... 3609 E. Olympic Blvd, Los Angeles 23, Cal	
	GENERAL PRODUCTS CORP 107 Selem St, Union Springs, NY	UN7-7367
Ala	Murphy & Cota ... 250 Governors Dr, S.E., Huntsville, Ala	
Ariz	Ash M Wood Co ... P.O. Box 1158, Arcadia, Cal	CU3-1201
Ark	Southern Industrial Electronics Inc ... P.O. Box 9814, Dallas, Texas	FL2-3901
Cal	Fisher Switches ... 40 Gough St, San Francisco 3, Cal	
Cal	Ash M Wood Co ... P.O. Box 1158, Arcadia, Cal	CU3-1201
Conn	Drew & Associates Inc ... P.O. Box 467, Bedford, Mass	CR4-7232
Del	L D Lowery Inc ... 50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc ... 50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Fla	Murphy & Cota ... 1220 Edgewater Dr, Orlando, Fla	
Ga	Murphy & Cota ... 2110 Peachtree Rd, W., Atlanta 9, Ga	TR6-3020
Idaho	Shaffer & Nelson Inc ... 312 Occidental Ave, Seattle 4, Wash	
Ill	W G Brouillette Custom Condensor ... 1558 Nrecastle, Westchester, Ill	
Ill	Rockford Controls Co ... 324 Woodstock Ave, Glen Ellyn, Ill	
Ind	Machado Schroeder & Loomis ... 820 E. 64th St, Indianapolis 20, Ind	
Iowa	E B Schwerin Co ... 4210 Main St, Kansas City 11, Mo	
Kan	E B Schwerin Co ... 4210 Main St, Kansas City 11, Mo	
Ky	Machado Schroeder & Loomis ... 820 E. 64th St, Indianapolis 20, Ind	
La	Southern Industrial Electronics Inc ... P.O. Box 9814, Dallas, Texas	
Me	Drew & Associates Inc ... P.O. Box 467, Bedford, Mass	
Md	L D Lowery Inc ... 4508 Annapolis Rd, Bladensburg, Md	
Mass	Drew & Associates Inc ... P.O. Box 467, Bedford, Mass	
Mich	R C Merchant & Co ... 18411 W. McNichols, Detroit 19, Mich	
Minn	Northern States Sales Co ... 1400 Park Ave, Minneapolis 4, Minn	
Miss	Murphy & Cota ... 250 Governors Dr, S.E., Huntsville, Ala	
Mo	E B Schwerin Co ... 4210 Main St, Kansas City 11, Mo	
Mont	E B Schwerin Co ... 4210 Main St, Kansas City 11, Mo	
Neb	E B Schwerin Co ... 4210 Main St, Kansas City 11, Mo	
Nev	Fisher Switches ... 40 Gough St, San Francisco 3, Cal	
Nev	Ash M Wood Co ... P.O. Box 1158, Arcadia, Cal	
NH	Drew & Associates ... P.O. Box 467, Bedford, Mass	
NJ	Joseph Sprung & Association ... 254 W. 31st St, New York, NY	
NJ	L D Lowery Inc ... 50 E. Wynnewood Rd, Wynnewood, Pa	
NY	Alan E DeCew Agency ... P.O. Box 73, Sodus, NY	
NY	Joseph Sprung & Associates ... 254 W. 31st St, New York, NY	
NC	Murphy & Cota ... 221 Latta Arcade, Charlotte 2, NC	
ND	Northern States Sales Co ... 1400 Park Ave, Minneapolis 4, Minn	
Ohio	Rockford Controls Co ... 21877 Euclid Ave, Cleveland 17, Ohio	
Okla	Southern Industrial Electronics Inc ... P.O. Box 9814, Dallas, Texas	
Ore	Shaffer & Nelson Inc ... 1001 S.E. Water Ave, Portland 14, Ore	
Pa	L D Lowery Inc ... 50 E. Wynnewood Rd, Wynnewood, Pa	
Pa	Gene S Root ... 733 Valle Vista Ave, Pittsburgh 34, Pa	
RI	Drew & Associates Inc ... P.O. Box 467, Bedford, Mass	
SC	Murphy & Cota ... 1106 Burke St, Winston-Salem, NC	
SD	Northern States Sales Co ... 1400 Park Ave, Minneapolis 4, Minn	
Tenn	Murphy & Cota ... 2110 Peachtree Rd, W., Atlanta 9, Ga	
Tex	Southern Industrial Electronics Inc ... P.O. Box 9814, Dallas, Tex	
Utah	Shaffer & Nelson ... 1415 S. Main St, Salt Lake City, Utah	
Vt	Drew & Associates Inc ... P.O. Box 467, Bedford, Mass	
Va	L D Lowery Inc ... 50 E. Wynnewood Rd, Wynnewood, Pa	
Wash	Shaffer & Nelson Inc ... W. 1835 Broadway, Spokane 10, Wash	
W. Va	Gene S Root ... 733 Vallevista Ave, Pittsburgh 34, Pa	
Wisc	Rockford Controls Co ... P.O. Box 671, Glen Ellyn, Ill	
	GENERAL PUBLIC UTILITIES CORP 67 Broad St, New York 4, NY	
	GENERAL R F FITTINGS INC. 702 Beacon St, Boston 15, Mass	KE6-2290
	GENERAL RADIO CO 22 Baker Ave, W. Concord, Mass	EM9-4400
Ala	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Ariz	General Radio Co ... 1000 N. Seward St, Los Angeles 38, Cal	HO9-6201
Cal	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
Cal	General Radio Co ... 1000 N. Seward St, Los Angeles 38, Cal	HO9-6201
Conn	General Radio Co ... Broad Ave at Linden, Ridgefield, NJ	WH3-3140
Del	General Radio Co ... 1150 York Rd, Abington, Pa	HA4-7419
DC	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Fla	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Ga	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Idaho	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
Ill	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Ind	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Iowa	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Kan	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Ky	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Md	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Mich	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Minn	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Mo	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Nev	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
NJ	General Radio Co ... Broad Ave at Linden, Ridgefield, NJ	WH3-3140
NJ	General Radio Co ... 1150 York Rd, Abington, Pa	HA4-7419
NM	General Radio Co ... 1000 N. Seward St, Los Angeles 38, Cal	HO9-6201
NY	General Radio Co ... Broad Ave at Linden, Ridgefield, NJ	WO4-2722
NC	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Ohio	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Ore	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
Pa	General Radio Co ... 1150 York Rd, Abington, Pa	HA4-7419
SC	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Tenn	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Utah	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
Va	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Wash	General Radio Co ... 1186 Los Altos Ave, Los Altos, Cal	WH8-8233
W. Va	General Radio Co ... 8055 13th St, Silver Spring, Md	JU5-1088
Wisc	General Radio Co ... 6605 W. North Ave, Oak Park, Ill	VI8-9400
Canada	General Radio Co ... 99 Floral Pkwy, Toronto 15, Ont, Canada	CH6-2171
	GENERAL RESEARCH & SUPPLY CO 572 S. Division Ave, Grand Rapids, Mich	GL9-3341
	GENERAL RESISTANCE INC 430 Southern Blvd, New York 55, NY	CY2-1500
Cal	Richard A Strassner Co ... 1557 N. Western Ave, Los Angeles	HO3-5494
Fla	Ben Wimberly Co ... 532 S. Ft. Harrision, Clearwater, Fla	CL3-7072
Idaho	Rush S Drake Associates Inc ... Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	W F Swinke - Nille Swinke ... 541 Diversey Pkwy, Chicago 14, Ill	BI8-4343
Md	Ansell Engineering Co ... 11212 Grandview Ave, Silver Spring, Md	LO5-0960
Mass	D D Rosa Co ... 50 Prospect St, Cambridge 39, Mass	KI7-6880
Minn	Wood Clemons Co ... 165 Hennepin Ave, Minnpls 3, Minn	FE9-0707
Mo	Design & Sales Engineering Co ... 7603 Forsyth Blvd, St Louis, Mo	PA1-6403
Ohio	Components Engineering Co ... 7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Pa	William R Scholes ... P.O. Box 104, Cheltenham, Pa	PI5-2765
Wash	Seatronics Inc ... 1817 Norman St, Seattle 44, Wash	EA3-8545
Foreign	Ad Auriema Inc ... 85 Broad St, New York 4, NY	BO9-7750
	GENERAL TESTING LABORATORIES INC. 59 Washington Ave., Carlstadt, N J	
	GENERAL TIME CENTRAL RESEARCH LAB 107 Lafayette St, New York, NY	WO6-0822
DC	Stromberg Time Div ... 2139 Wisconsin Ave, N.W., Wash 7, DC	FE3-4645
Ill	General Time Lab ... 111 N. Canal St, Chicago 6, Ill	ST2-1814
	GENERAL TIRE & RUBBER CO Akron, Ohio	RE3-6311
	GENERAL TRANSFORMER CO 18240 Harwood Ave, Homewood, Ill	SY8-6124
	GENERAL TRANSISTOR CORP 91-27 138th Pl, Jamaica, NY	HI1-1000
Ala	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Ariz	Malcom Ross & Co ... 1623 S. La Cienega Blvd, L A 35, Cal	BR2-3103
Ark	Jack F McKinney Sales Co ... 1303 Chemical St, Dallas 7, Tex	RI1-1368
Cal	Bill Kolans & Co ... 219 California Dr, Burlingame, Cal	DI4-7111
Cal	Malcolm Ross & Co ... 1623 S. La Cienega Blvd, L A 35, Cal	BR2-3103
Colo	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
Del	Angus-Sloane Associates ... 13 E. Main St, Moorestown, NJ	BE5-1900
DC	Charles W Lienau & Co ... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Fla	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Ga	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Idaho	Samuel N Stroum Co ... 1612 Broadway, Seattle 22, Wash	EA3-6117
Ill	Harry W Gebhard Co ... 5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Ill	McDowell Redlingshafer Sales Co ... 1103 E. Armour, Kansas City, Mo	WE1-5622
Ind	Southern Sales Co ... Box 105, Lakeshore Dr, Angola, Ind	AN777
Iowa	McDowell Redlingshafer Sales Co ... 1103 E. Armour, Kansas City, Mo	WE1-5622
Kan	McDowell Redlingshafer Sales Co ... 1103 E. Armour, Kansas City, Mo	WE1-5622
Ky	Southern Sales Co ... P.O. Box 105, Lakeshore Dr, Angola, Ind	AN777
La	Jack F McKinney Sales Co ... 1303 Chemical St, Dallas 7, Tex	RI1-1368
Me	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
Md	Charles W Lienau & Co ... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
Mich	R G Dailey Co ... 201 E. Catherine St, Ann Arbor, Mich	NO8-6908
Minn	Hamilton & Bayle Associates ... 3359 Republic Ave, Minneapolis, Minn	WE9-7891
Miss	Jack F McKinney Sales Co ... 1303 Chemical St, Dallas 7, Tex	RI1-1368
Mo	McDowell Redlingshafer Sales Co ... 1103 E. Armour, Kansas City, Mo	WE1-5622
Mont	Samuel N Stroum Co ... 1612 Broadway, Seattle 22, Wash	EA3-6117
Neb	McDowell Redlingshafer Sales Co ... 1103 E. Armour, Kansas City, Mo	WE1-5622
Nev	Bill Kolans & Co ... 219 California Dr, Burlingame, Cal	DI4-7111
Nev	Malcolm Ross & Co ... 1623 S. La Cienega Blvd, L A 35, Cal	BR2-3103
NH	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
NJ	Angus-Sloane Associates ... 13 E. Main St, Moorestown, NJ	BE5-1900
NJ	S & M Associates ... 595 Broad Ave, Ridgefield, NJ	WH5-0080
NM	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
NY	R W Mitscher Co., Inc ... 487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NY	S A Shaw Co ... 361 Central Park Ave, Yonkers, NY	YO3-5700
NC	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
ND	Hamilton & Bayle Associates ... 3359 Republic Ave, Minneapolis, Minn	WE9-7891
Ohio	Jay Engineering Co ... 1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Okla	Jack F McKinney Sales Co ... 1303 Chemical St, Dallas 7, Tex	RI1-1368
Ore	Samuel N Stroum Co ... 1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Angus-Sloan Associates ... 13 E. Main St, Morrestown, NJ	BE5-1900
Pa	Robco Sales & Engineering Service ... 2403 1st National Bank Bldg, Pittsburgh	GR1-7272
RI	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
SC	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
SD	Hamilton & Bayle Associates ... 3359 Republic Ave, Minneapolis, Minn	WE9-7891
Tenn	Hollingsworth & Still ... 508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Tex	Jack F McKinney Sales Co ... 1303 Chemical St, Dallas 7, Tex	RI1-1368
Utah	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Hathaway Electronics Inc ... 238 Main St, Cambridge 42, Mass	KI7-0380
Va	Charles W Lienau & Co ... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Samuel N Stroum Co ... 1612 Broadway, Seattle 22, Wash	EA3-6117
W. Va	Robco Sales & Engineering Service ... 2403 1st National Bank Bldg, Pittsburgh	GR1-7272
Wisc	Harry W Gebhard Co ... 5129 W. Devon Ave, Chicago 30, Ill	RO3-3636
Wyo	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Canada	Desser E-E Ltd ... 441 St. Francois Xavier St, Montreal 1, Can	VI5-6570
	GENERAL ULTRASONICS CO 67 Holberry St, Hartford 3, Conn	JA7-2161
	GENERAL VACUUM CORP 400 Border St, E. Boston 28, Mass	LO7-8800
Cal	Loren Patrick Associates ... 1107 S. Fremont Ave, Alhambra, Cal	CU3-6371
Conn	Wm K Duff & Co ... P.O. Box 406, Avon, Conn	OR7-9175
Del	Wm A B Paul ... 1420 Land Title Bldg, Philadelphia 10, Pa	LO8-7277
DC	Wm A B Paul ... 1420 Land Title Bldg, Philadelphia 10, Pa	LO8-7277
Md	Wm A B Paul ... 1420 Land Title Bldg, Philadelphia 10, Pa	LO8-7277
NJ	Wm A B Paul ... 1420 Land Title Bldg, Philadelphia 10, Pa	LO8-7277
Ohio	L H Waldrip Co ... 3030 Euclid Ave, Cleveland 15, Ohio	EX1-4242
Pa	Wm A B Paul ... 1420 Land Title Bldg, Philadelphia 10, Pa	LO8-7277
Wash	D L Snellman Co ... 113 King St, Seattle 4, Wash	MA3-8260
	GENESYS CORP SUB CHANCE VOUGHT 10131 National Blvd, L A 34, Cal	UP0-4671
	GENISCO INC 2233 Federal Ave, Los Angeles 64, Cal	BR2-2706
Ala	Medco ... P.O. Box 216, Melbourne, Fla	PA3-7016
Ariz	R A Mayes Co ... P.O. Box 3344, El Paso, Tex	LY8-2982
Cal	A-F Sales Engineering Co ... 385 E. Green St, Pasadena, Cal	MU1-5631
Cal	Boyd Engineering Co ... 72 Claremont Ave, Santa Clara, Cal	AX6-8419
Colo	Kemco Inc ... 6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Colo	Applied Engineering Products Co ... 405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Conn	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Del	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
DC	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Fla	Medco ... P.O. Box 216, Melbourne, Fla	PA3-7016
Ga	Medco ... P.O. Box 216, Melbourne, Fla	PA3-7016
Idaho	Applied Engineering Products Co ... 405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Ill	Loren F Green & Associates ... 5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates ... 5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Custom Engineering Co ... 2975 Far Hills Ave, Dayton 19, Ohio	AX8-5246
Kan	Kemco Inc ... 6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Me	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Md	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Mass	Test Equipment Sales Co ... 4447 N.Bodine St, Philadelphia 40, Pa	DA9-1822
Mich	Custom Engineering Co ... 2975 Far Hills Ave, Dayton 19, Ohio	AX8-5246
Mo	Kemco Inc ... 6427 E. Kellogg Ave, Wichita 18, Kan	MU4-8224
Nev	Boyd Engineering Co ... 72 Claremont Ave, Santa Clara, Cal	AX6-8419
NH	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
NJ	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
NM	R A Mayes Co ... P.O. Box 3344, El Paso, Tex	LY8-2982
NY	Test Equipment Sales Co ... 29-46 Northern Blvd, Long Island City	ST4-7120
NY	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Ohio	Custom Engineering Co ... 2975 Far Hills Ave, Dayton 18, Ohio	AX8-5246
Okla	Kemco Inc ... P.O. Box 998, Irving, Tex	FL1-5900
Ore	Harry Levinson Co ... 1117 2nd Ave, Seattle 1, Wash	MA2-5433
Pa	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
RI	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Tex	Kemco Inc ... P.O. Box 998, Irving, Tex	FL1-5900
Utah	Applied Engineering Products Co ... 405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Vt	Test Equipment Sales Co ... 29-46 Northern Blvd, Long Island City	ST4-7120
Va	Test Equipment Sales Co ... 4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Wash	Harry Levinson Co ... 1117 2nd Ave, Seattle 1, Wash	MA2-5433
Wisc	Loren F Green & Associates ... 5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Foreign	Genisco ... 333 E. 46th St, New York, NY	YU6-2244
	GENISTRON INC 6320 W. Arizona Circle, L A 45, Cal	OR3-1411
Ariz	R A Mayes Co ... Box 3344, El Paso, Tex	LY8-2982
Ark	Harry Edmiston ... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Cal	James S Heaton Co ... 413 Lathrop St, Redwood City, Cal	EM9-5278
DC	Joseph T Davis ... 2116 F St, N.W., Washington 7, DC	EX3-8080
Idaho	Seatronics Inc ... 1806 Bush, Seattle 44, Wash	EA3-8545
Il	Kinrick Co ... 222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Ind	Technical Associates ... 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Iowa	Kinrick Co ... 222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Kan	Kinrick Co ... 222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Ky	Technical Associates Inc ... 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
La	Harry Edmiston ... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Minn	Kenneth L Tannehill ... 2534-25th Ave, S., Minneapolis 6, Minn	PA1-4470
Mo	Kinrick Co ... 222 Olympia Dr, St. Louis 21, Mo	JA1-4877
Nev	James S Heaton Co ... 413 Lathrop St, Redwood City, Cal	EM9-5278
NM	R A Mayes Co ... Box 3344, El Paso, Tex	LY8-2982
Ohio	Technical Associates Inc ... 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Okla	Harry Edmiston ... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Ore	Seatronics Inc ... 1806 Bush, Seattle 44, Wash	EA3-8545
Pa	Technical Associates Inc ... 4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Tex	Harry Edmiston ... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Wash	Seatronics Inc ... 1806 Bush, Seattle 44, Wash	EA3-8545
	GEOPHYSICAL INSTRUMENT CO Fairview Rd, Manassas, Va	EM8-3434
	GEORATOR CORP 315 Tudor Ln, Manassas, Va	EM8-2101
Cal	Lee H Owens Co ... 1102 S. Western Ave, Los Angeles 6, Cal	RE5-0203
Ill	Cozzens & Cudahy Inc ... 125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Mass	Call Enterprise 0113 ... Boston, Mass	
Mo	Call Enterprise 8380 ... St. Louis, Mo	
NY	Trauco Associates ... 45 N. Sta Plaza, Great Neck, NY	HU7-9666
Pa	Call Enterprise 6411 ... Philadelphia, Pa	
Wash	Call Zenith 9348 ... Seattle, Wash	
	GEORGE CO., P D 5200 N. 2nd St, St. Louis, Mo	MA1-5700
	GEORGE PRODUCTS INC 104 Dorsa Ave, Livingston, NJ	WY2-2642
	GEOSCIENCE INSTRUMENTS INC 425 Park Ave, New York 22, NY	UL5-7800
	GEOTECHNICAL CORP 3401 Shiloh Rd, Garland, Tex	BR8-8102
	GEOTRONIC LABS INC 1314 Cedar Hill Ave, Dallas 8, Tex	WH6-9123
Tex	R E Salter Co ... 208 Sidney St, Houston 3, Tex	WA3-8720

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	GERBER SCIENTIFIC INSTRUMENT CO	**89 Spruce St, Hartford 1, Conn**	**JA8-2124**
	GERING PLASTICS DIV STUDEBAKER-PACKARD	**N. 7th at Monroe, Kenilworth, NJ**	**BR6-2900**
Ill	Gering Plastics	5143 W. Diversery Ave, Chicago, Ill	NA2-0836
Mass	Charles Lanza	103 Holden St, Holden, Mass	PL4-2996
Ohio	Dan Retzer	216 Wild Ave, Cuyahoga Falls, Ohio	WA3-3164
Ohio	Jorden Schmelter	1115 Larchwood Rd, Mansfield, Ohio	SK6-2756
	GERST & CO., PAUL E	**4868 N. Clark, Chicago 40, Ill**	**LO1-5897**
Cal	Joe E Davidson Associates	Glendale, Cal	
	GERTSCH PRODUCTS INC	**3211 S. LaCienega Blvd, L A 16, Cal**	**VE9-2201**
Ala	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta, Ga	CE3-7522
Alaska	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Ark	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Cal	James Landis	794 W. Olive, Sunnyvale, Cal	RE6-7031
Colo	Hytronic Measurements Inc	1295 S. Bannock, Denver 23, Colo	PE3-3701
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Del	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Bivins & Caldwell Inc	723 W. Smith Ave, Orlando, Fla	CH1-1091
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Idaho	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Kan	Harris Hanson Associates	7916 Paseo Ave, Kansas City, Mo	HI4-9494
Kan	Harris Hanson Associates	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Ky	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
La	Earl Lipscomb Associates	3825 Richmond Ave, Houston 5, Tex	MO7-2407
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Md	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit, Mich	BR3-2900
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	Earl Lipscomb Associates	Box 6537, Houston 5, Tex	MO7-2407
Mo	Harris-Hanson Associates	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mont	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM	
NY	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	RE2-0001
NY	J D Ryerson Associates	111 Kinne Rd, Syracuse 1, NY	GI6-1771
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Okla	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Ore	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	G Curtis Engel & Associates	Box 4383, Philadelphia 18, Pa	WA2-3270
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
SC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
Tex	Earl Lipscomb Associates	3825 Richmond Ave, Houston, Tex	MO7-2407
Tex	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah	IN6-4924
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Va	Bivins & Caldwell Inc	1219 High Point Ave, Richmond 30, Va	EL5-7931
Wash	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	Bivins & Caldwell Inc	1219 High Point Ave, Richmond 30, Va	EL5-7931
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Wyo	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City 15, Utah	IN6-4924
Foreign	Sylvan Girsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585
Canada	Atlas Instrument Corp Ltd	50 Wingold Ave, Toronto 19, Ont, Canada	RU1-6174
	GETTERS ELECTRONICS INC	**1920 Buffalo Ave, Niagara Falls, NY**	**BU2-2363**
	GIANNINI CONTROLS CORP	**1600 S. Mountain Ave, Duarte, Cal**	**EL9-9141**
Cal	L M Ryan	2275 E. Foothill Blvd, Pasadena, Cal	MU1-7152
DC	W L Brantley	5228 Westpath Way, Washington 16, DC	OL6-6556
Ill	T J Miller	8 S. Michigan Ave, Chicago 3, Ill	AN3-5272
NJ	R F Tresnak	Sherwood Ln, Caldwell Township, NJ	CA6-7777
NY	R A Meola Jr	Empire State Bldg, New York 1, NY	CH4-4700
Ohio	A C Hummel	2600 Far Hills Ave, Dayton 19, Ohio	AX9-7383
	GIBBS MFG & RESEARCH CORP	**454 N. Main St, Janesville, Wisc**	**PL4-4467**
Cal	Lee Owens Co	1102 S. Western Ave, Los Angeles, Ca	RE5-0203
	GIBSON ELECTRIC CO	**Box 535, Delmont, Pa**	**HO8-7701**
Ala	W K Hile Co	P.O Box 6165, Charlotte 7, NC	FR7-5062
Ariz	E A Wilcox Co	6436 E. Corvette St, Los Angeles, Ca	RA3-6436
Ark	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530
Cal	E A Wilcox Co	173 Utah Ave, S. San Francisco, Cal	PL6-7380
Cal	E A Wilcox Co	6436 E. Corvette St, Los Angeles, Cal	RA3-6436
Conn	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
Del	Cashman & Norton	P O. Box 124, Broomal, Pa	EL7-7703
DC	Cashmore & Norton	P.O. Box 124, Broomal, Pa	EL7-7703
Fla	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ga	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Hawaii	Albert Teshen	Bessemer Bldg, Pittsburgh 22, Pa	GR1-7217
Idaho	E A Wilcox & Co	173 Utah Ave, S., San Francisco, Cal	PL6-7380
Ill	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Il	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530
Kan	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530
Me	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
Mass	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
Miss	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530
Neb	E A Wilcox & Co	173 Utah Ave, S., San Francisco, Cal	PL6-7380
NH	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
NJ	W M Hicks	4 Spruce Dr, Roslyn, NY	MA7-6150
NJ	Cashman & Norton	P.O. Box 124, Broomal, Pa	EL7-7703
NM	E A Wilcox & Co	6436 E Corvette St, Los Angeles, Cal	RA3-6436
NY	Judson H Scott	630 Seneca Pkwy, Rochester 13, NY	GL3-2208
NY	W M Hicks	4 Spruce Dr, Roslyn, NY	MA7-6150
NC	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ohio	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights 18	ER1-4484
Ohio	Robert R Stone & Associates	384 W. 1st St, Dayton 4, Ohio	BA4-7282
Ore	E A Wilcox Co	915 Artic Bldg, Seattle 4, Wash	MU2-1468
Pa	Cashman & Norton	P.O Box 124, Broomall, Pa	EL7-7703
Pa	Robert R Stone & Associates	384 W. 1st, Dayton 4, Ohio	BA4-7282
RI	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
SC	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Tenn	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Tenn	Robert Klorer	7500 Natural Bridge, St. Louis 21, Mo	EV1-6530
Utah	E A Wilcox & Co	173 Utah Ave, S., San Francisco, Cal	PL6-7380
Vt	Gilbert L Pike	370 Upham St, Melrose 76, Mass	NO5-6941
Va	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Wash	E A Wilcox Co	915 Artic Bldg, Seattle 4, Wash	MU2-1468
W. Va	Robert R Stone & Associates	384 W. 1st St, Dayton 4, Ohio	BA4-7282
Wisc	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Foreign	Albert Teshen	Bessemer Bldg, Pittsburgh 22, Pa	GR1-7217
Canada	E A Wilcox Co	915 Artic Bldg, Seattle 4, Wash	MU2-1468
	GILBERT PLASTICS INC	**4 Boright Ave, Kenilworth, NJ**	**BR2-6400**
	GILFILLAN BROS INC	**1815 Venice Blvd, Los Angeles 6, Cal**	**DU1-3441**
Ala	C W Saffell	P.O. Box 14, Huntsville, Ala	JE6-4411
DC	E R Field Jr	1028 Connecticut N.W., Washington 6, DC	DI7-6698
NJ	W James Murray	26 Princeton Ave, Neptune, NJ	PR4-0907
NY	Frank Dupuis	Turin Rd, M.R., Rome, NY	2282
Ohio	R F Dean	39 N. Torrence, Dayton, Ohio	CL2-5981
Germany	Orren Cline	25 Steubenstrasse, Wiesbaden, Germany	26509 (civil)
	GILLIES CO., INC., DUNCAN M	**66 Central St, West Boylston, Mass**	**TE5-4445**
	GILMORE INDUSTRIES INC	**13015 Woodland Ave, Cleveland 20, Ohio**	**RA1-6400**
Ala	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Ariz	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Cal	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Colo	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Conn	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Del	Gilmore Industries	Box 531, Media, Pa	LO6-7228
DC	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Fla	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Ga	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Idaho	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Me	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Md	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Mass	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Mich	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Mont	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Neb	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Nev	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
NH	Gilmore Industries	Box 531, Media, Pa	LO6-7228
NJ	Gilmore Industries	Box 531, Media, Pa	LO6-7228
NM	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
NY	Gilmore Industries	Box 531, Media, Pa	LO6-7228
NC	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Ore	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Pa	Gilmore Industries	Box 531, Media, Pa	LO6-7228
RI	Gilmore Industries	Box 531, Media, Pa	LO6-7228
SC	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Utah	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
Vt	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Va	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Wash	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
W.Va	Gilmore Industries	Box 531, Media, Pa	LO6-7228
Wyo	Gilmore Industries	2550 E. Foothill, Pasadena, Cal	MU1-8349
	GIRARD-HOPKINS	**1000 40th Ave, Oakland, Cal**	**KE2-8477**
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY3-8224
Cal	Paul F Wile, Co	1632 Silverlake Blvd, Los Angeles 26	NO3-8028
DC	David S Linz Co	238 Shelmire St, Philadelphia, Pa	ES9-0743
Hawaii	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY3-8224
Md	David S Linz Co	238 Shelmire St, Philadelphia, Pa	ES9-0743
NY	Jack Weber	Route 18, Old Bridge, NJ	CL4-5900
Pa	David S Linz Co	238 Shelmire St, Philadelphia, Pa	ES9-0743
	GIRDLER PROCESS EQUIP DIV CHEMTRON CORP	**334 E. Broadway, Louisville, Ky**	**JU7-7553**
Ill	Frank . Vance	855 Board of Trade Bldg, Chicago, Ill	
NY	Niagara Electric Sales Co	505 Delaware Ave, Buffalo 2, NY	
NY	Niagara Electric Sales Co	133 S. Clinton, Rochester, NY	
NY	Nat Levin	76 Beaver St, New York, NY	
Ohio	John H Garger	239 Newton Ave, Newark, Ohio	
	GLADDING MCBEAN & CO	**1551 S. Primrose St, Monrovia, Cal**	**EL7-2243**
	GLASER-STEERS CORP	**155 Oraton St, Newark 4, NJ**	**HU4-6400**
Cal	Perlmuth Electronics	5057 W. Washington Blvd, Los Angeles, Cal	WE1-1041
Ill	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131-2
NY	S J Sales Engineering Co	130 Lafayette St New York, NY	WC2-7766
NY	William Franklin	2 Standish Terr, Syracuse, NY	GI6-1120
	GLASSEAL PRODUCTS CO., INC	**725 Commerce Rd, Linden, NJ**	**HU6-2067**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Frank A Emmet Co	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3724
Ark	J Earl Smith Co	Box 35331, Airlawn Sta, Dallas, Tex	
Cal	Frank A Emmet Co	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3724
Cal	Logan Sales Co	154 8th St, San Francisco 3, Cal	HE1-0692
Conn	Near Inc	P.O.Box 184, Yalesville, Conn	CO9-9932
Del	David Humes Jr	124 Lee Circle, Bryn Mawr, Pa	LA6-6469
DC	David Humes Jr	124 Lee Circle, Bryn Mawr, Pa	LA6-6469
Ill	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
La	J Earl Smith Co	Box 35331, Airlawn Sta, Dallas, Tex	
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Md	David Humes Jr	124 Lee Circle, Bryn Mawr, Pa	LA6-6469
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Nev	Logan Sales Co	154 8th St, San Francisco 3, Cal	HE1-0692
NH	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
NJ	David Humes Jr	124 Lee Circle, Bryn Mawr, Pa	LA6-6469
NY	Wilson H Zimmerman Inc	112 Dewitt St, Syracuse 3, NY	GR4-4889
NC	Russ Diethert Co., Inc	P O.Box 510, Gastonia, NC	UN5-3771
Ohio	R G Sidnell Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
Okla	J Earl Smith Co	P.O.Box 35331, Airlawn Sta, Dallas, Tex	
Pa	David Hume Jr	124 Lee Circle, Bryn Mawr, Pa	LA6-6469
Pa	R G Sidnell Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
SC	Russ Diethert Co., Inc	P.O.Box 510, Gastonia, NC	UN5-3771
Tenn	Russ Diethert Co., Inc	P.O.Box 510, Gastonia, NC	UN5-3771
Tex	J Earl Smith Co	P.O.Box 35331, Airlawn Sta, Dallas, Tex	
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Va	Russ Diethert Co., Inc	P.O.Box 510, Gastonia, NC	UN5-3771
Wisc	Russ Diethert Co., Inc	1324 Wisonsin Ave, Milwaukee, Wisc	DI2-7484
	GLASS-TITE INDUSTRIES INC	**725 Branch Ave, Providence 4, RI**	**TE1-6800**
Ariz	Carl R Hower	340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Cal	Jay Stone Associates	22250 Brookmill Rd, Los Altos, Cal	YO8-2770
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
Conn	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
DC	Habco Sales Co	603 Allegheny Ave, Towson, Md	VA5-9637
Idaho	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indpls 20, Ind	CL1-6915
Me	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
Md	Habco Sales Co	603 Alleghany Ave, Towson, Md	VA5-9637
Mass	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Mont	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
NH	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
NJ	C D B Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NJ	Schumacher Associates	P.O. Box 182, Abington, Pa	TU4-7808
NY	D L Wilbur Co	572 Oakwood Ave, Syracuse, NY	GR5-6469
NY	C D B Enterprises	501 Broadway, Hicksville, NY	WE8-8644
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Schumacher Associates	P.O. Box 182, Abington, Pa	TU4-7808
RI	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Vt	Milton Paisner	706 Pontiac Ave, Cranston 10, RI	JA1-3522
Va	R Greene Ovenaire Inc	1127 E. Market St, Charlottesville, Va	
Va	Habco Sales Co	603 Allegheny Ave, Towson, Md	VA5-9637
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Wisc	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
	GLEASON-AVERY INC	**Auburn, NY**	**3-7396**
Cal	R S Hopkins Co	112 W. Broadway, Anaheim, Cal	KE5-1912
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Del	Henry Shute	61 Steeple Chase Rd, Devon, Pa	
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Ill	Aero Electronics Co	3516 Elmwood, Wilmette, Ill	ALF-1045
Ind	Law Instrument Cos	Angola, Ind	217
Me	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Mass	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
NH	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
NJ	Paul R Freeman Co	91 Dogwood Ln, New Hyde Park, NY	PI2-5627
NJ	Henry Shute	61 Steeplechase Rd, Devon, Pa	
NY	Paul R Freeman Co	91 Dogwood Ln, New Hyde Park, NY	PI2-5627
NY	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester, NY	HA6-1090
NC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Pa	Henry Shute	61 Steeplechase Rd, Devon, Pa	
RI	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Vt	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Canada	Davis Automatic Controls Ltd	4251 W. Dundas St, Toronto, Canada	RO4-1351
	GLENTRONICS INC	**859 E. Alosta Ave, Glendora, Cal**	**ED5-4514**
Ala	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg, Fla	WA1-9735
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	AL4-4664
Cal	E V Roberts & Associates	5068 W. Washington Blvd, Los Angeles 16	WE8-2541
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Cal	E V Roberts & Associates	4379 30th St, San Diego, Cal	AT1-6787
Fla	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg	WA1-9735
Ga	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg, Fla	WA1-9735
NM	E V Roberts & Associates	112C Tulane Dr, S.E., Albuquerque, NM	AL5-7304
NC	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg, Fla	WA1-9735
SC	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg, Fla	WA1-9735
Tenn	E C Raymund & Associates	1221 Arlington Ave, W., St. Petersburg, Fla	WA1-9735
	GLOBE ELECTRONICS, A DIV OF TEXTRON ELECTRONICS INC	**22-30 S. 34th St, Council Bluffs, Iowa**	**32-8-1414**
Ala	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Ariz	Mueller Electronic Sales Co	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239
Cal	Bernard Cahn	420 Market St, San Francisco 18, Cal	BA1-5923
Cal	Mueller Electronic Sales Co	3225 Exposition Pl, Los Angeles 18, Cal	AX5-3239

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Colo	W B Gollher	EM6-0208
Conn	Mosher & Pevser Co.	
DC	David S Linz	ES9-0734
Fla	Jack Gearther	JE10200
Ga	V Avis McCorvey Co.	DR7-6167
Hawaii	Dougherty Enterprises	
Ill	William M Linz Associates	MU5-2022
Ind	Fishman Associates	LI6-5477
Iowa	Lee Florence	LO1-7282
Kan	Lee Florence	LO1-7282
Ky	Fishman Associates	LI6-5477
Me	Mosher & Pevser Co.	
Md	David S Linz	ES9-0734
Mass	Mosher & Pevser Co.	
Mich	Ken Burcaw	KE3-7700
Minn	Nick J Laub Co.	JU8-4663
Miss	V Avis McCorvey Co.	DR7-6167
Mo	Lee Florence	LO1-7282
Neb	Lee Florence	LO1-7282
NH	Mosher & Pevser Co.	
NM	W B Gollher	EM6-0208
NY	Marty Sattan Sales	OL7-6659
NY	Maury Farber Associates	MO3-5434
NC	V Avis McCorvey Co.	DR7-6167
Ohio	Ken Burcaw	KE3-7700
Okla	Texport Co., The	RI7-6948
Ore	Ray Johnston Co.	EM0956
Pa	David S Linz	ES9-0734
Pa	Ken Burcaw	KE3-7700
RI	Mosher & Pevser Co.	
SC	V Avis McCorvey Co.	DR7-6167
Tenn	V Avis McCorvey Co.	DR7-6167
Tex	Texport Co., The	RI7-6948
Utah	W B Gollher	EM6-0208
Vt	Mosher & Pevser Co.	
Va	Ed Martin	AT8-3985
Wash	Ray Johnston Co.	EM0956
Wisc	Nick J Laub Co.	JU8-4663
Wisc	William M Linz Associates	MU5-2022
	GLOBE INDUSTRIES INC	**1784 Stanley Ave, Dayton 4, Ohio** — **BA2-3741**
Ala	Maitland K Smith Co	TR5-8031
Ariz	Joe Davidson & Associates	WH5-1971
Ark	Edward F Aymond Co	LA6-5233
Cal	Joe Davidson & Associates	NE6-2245
Cal	Long & Associates	EM9-3324
Conn	Components Sales Corp	SC5-1050
Conn	R O Whitesell & Associates	ME1-9210
Conn	Stockwell Technical Sales Co.	TR5-5414
Del	R L Wilkinson Inc	VA3-7800
DC	R L Wilkinson Inc	VA3-7800
Fla	Arthur H Lynch & Associates	WY5-2151
Ga	Maitland K Smith Co	TR5-8031
Ill	Engineered Sales Co.	PE6-0555
Ind	R O Whitesell & Associates	FL9-5374
Iowa	Engineered Sales Co.	PE6-0555
Iowa	Richard Wolbert Nelson	FE3-7225
Kan	Harris-Hanson Co	MI7-4350
Ky	R O Whitesell & Associates	FL9-5374
Me	Stockwell Technical Sales Co.	TR5-5414
Md	R L Wilkinson Inc	VA3-7800
Mass	Stockwell Technical Sales Co.	TR5-5414
Mich	S Sterling Co	BR3-2900
Minn	Richard Wolbert Nelson	FE3-7225
Miss	Maitland K Smith Co	TR5-8031
Mo	Harris-Hanson Co	MI7-4350
Nev	Long & Associates	EM9-3324
NH	Stockwell Technical Sales Co.	TR5-5414
NJ	Components Sales Corp	SC5-1050
NJ	R L Wilkinson Inc	VA3-7800
NM	Joe Davidson & Associates	NE6-2245
NY	Components Sales Corp	SC5-1050
NY	Reed-Tollefson Corp	HI5-0450
NC	James L Highsmith & Co	FR7-2546
ND	Richard Wolbert Nelson	FE3-7225
Ohio	R O Whitesell & Associates	ME1-9210
Ohio	R O Whitesell & Associates	AX8-4261
Okla	Edward F Aymond Co	LA6-5233
Ore	S N Strouse Co	CA7-5809
Pa	Technical Associates Inc	TE1-9884
Pa	R L Wilkinson Inc	VA3-7800
Pa	R L Wilkinson Inc	HA4-8400
RI	Stockwell Technical Sales Co.	TR5-5414
SC	James L Highsmith & Co	FR7-2546
SD	Richard Wolbert Nelson	FE3-7225
Tenn	Maitland K Smith Co	TR5-8031
Tex	Edward F Aymond Co	LA6-5233
Vt	Reed-Tollefson Corp	HI5-0450
W. Va	Technical Associates Inc	TE1-9884
Wash	Samuel N Strouse Co	EA3-6117
Va	R L Wilkinson Inc	VA3-7800
Wisc	Engineered Sales Co.	PE6-0555
Wisc	Richard Wolbert Nelson	FE3-7225
Foreign	Uni-Office Ltd.	117385
Foreign	Ragonot	Boite Postale 19, Malakoff (Seine), France
Foreign	Aero Materiel AB	Birger Jarlsgatan 6, Sweden
Canada	Leonard Electric Ltd	BE1-2731
	GLYCO CHEMICALS	**417 Fifth Ave, New York 16, NY** — **OR9-8400**
Ill	Glyco Chemicals	WH4-5747
	GOAT CO., INC., FRED	**314 Dean St, Brooklyn 17, NY** — **TR5-0940**
Ala	Atcheson & Adams	BR2-6838
Ariz	Cox Sales Co	PE3-6772
Colo	Cox Sales Co	PE3-6772
Fla	Atcheson & Adams	BR2-6838
Ga	Atcheson & Adams	BR2-6838
Idaho	Cox Sales Co	PE3-6772
Ill	S C Blaker Co	BR8-1220
Ind	S C Blaker Co	BR8-1220
Iowa	Maury E Bettis Co	LO1-0772
Kan	Maury E Bettis Co	MU6-7441
Ky	Gallagher Co	PO1-1288
Mich	Gallagher	PO1-1288
Minn	S C Blaker Co	BR8-1220
Miss	Atcheson & Adams	BR2-6838
Mo	Maury E Bettis Co	HA9-2099
Mont	Cox Sales Co	PE3-6772
Neb	Maury E Bettis Co	LO1-0772
NM	Cox Sales Co	PE3-6772
NY	Walter M Onyx	GR9-6561
NC	Atcheson & Adams	BR2-6838
Ohio	Gallagher Co	PO1-1288
Okla	Maury E Bettis Co	LO1-0772
SC	Atcheson & Adams	BR2-6838
Tenn	Atcheson & Adams	BR2-6838
Tex	Corwin Associates	BR8-8251
Utah	Cox Sales Co	PE3-6772
Va	Atcheson & Adams	BR2-6838
Wyo	Cox Sales Co	PE3-6772
	GODFREY MFG CO	**1633 N. Halsted, Chicago, Ill** — **MO4-3515**
Cal	Rollins Electric	Co3-1209
	GOE ENGINEERING CO.	**219 S. Medsik Ave, L A 22, Cal** — **AN1-2183**
Ala	W E Wolcott Co	MI7-3498
Ariz	Howe & Howe	AM5-9185
Cal	Arvin Berg Co	
Cal	Wm A Tompkins & Co	DA6-7940
Colo	Hyde Electronic Sales	WE6-3456
Conn	Monahan & Co	NO7-5961
Del	Simberkoff Sales Co	OL6-5211
Fla	W E Wolcott Co	MI7-3498
Ga	W E Wolcott Co	MI7-3498
Idaho	Hyde Electronic Sales	WE6-3456
Ill	Ellinger Sales Corp	
Ind	Jim Henkelbach	
Iowa	Douglas McKenzie	
Kan	Ellinger Sales Corp	
Me	Monahan & Co	NO7-5961
Mo	Simberkoff Sales Co	OL6-5211
Mass	Monahan & Co	NO7-5961
Mo	Ellinger Sales Corp	
Mont	Hyde Electronic Sales	WE6-3456
Neb	Ellinger Sales Corp	
Nev	Wm A Tompkins & Co	DA6-7940
NH	Monahan & Co	NO7-5961
NJ	Simberkoff Sales Co	OL6-5211
NM	Hyde Electronic Sales	WE6-3456
NY	Simberkoff Sales Co	OL6-5211
NC	W E Wolcott Co	MI7-3498
Pa	Simberkoff Sales Co	OL6-5211
RI	Monahan & Co	NO7-5961
SC	W E Wolcott Co	MI7-3498
Tenn	W E Wolcott Co	MI7-3498
Tex	Hyde Electronic Sales	WE6-3456
Utah	Hyde Electronic Sales	WE6-3456
Vt	Monahan & Co	NO7-5961
Va	Simberkoff Sales Co	OL6-5211
Wisc	Ellinger Sales Corp	
Wyo	Hyde Electronic Sales	WE6-3456
Canada	Simberkoff Sales Co	OL6-5211
	GOERZ AMERICAN OPTICAL CO., C P	**461 Doughty Blvd, Inwood 96, NY** — **CE9-8700**
	GOLDAK CO., INC.	**Dept E, 1554 W. Glenoaks, Glendale, Cal** — **CH5-4571**
Conn	A H Hoffman	HU2-1368
Ga	Davis Meter & Supply Co	CA6-5733
Ill	Universal Safety Equipment Co	BE7-1900
Mich	Averill Equipment Co	FO6-2406
	GOLDEN CO	**1054-38th St, Brooklyn, NY** — **GE6-2476**
	GOLDSMAN CO	**1328-34 N. 4th St, Phila 22, Pa** — **PO5-4468**
	GOLDSMITH BROS DIV NATIONAL LEAD CO	**900 W. 18th St, Chicago 8, Ill** — **CA6-3700**
	GOMBOS CO., INC., JOHN	**Webro Rd, Clifton, NJ** — **PR3-6633**
	GONSET DIV YOUNG SPRING & WIRE	**801 S. Main St, Burbank, Cal** — **VI9-2222**
Ala	J E Joyner & Associates	PL8-7496
Alaska	Burt Porter	EA3-8830
Ariz	Herb Becker	#E1-1257
Ark	Maynard Sales Co	RI2-2027
Cal	Herb Becker	#E1-1257
Cal	Meyer & Ross	HE1-0652
Colo	Hyde Electronics	#E6-3456
Conn	Anderson Sales Co	CA7-2980
Del	J Allan Biggs	AX7-3171
DC	J Allan Biggs	AX7-3171
Fla	J E Joyner & Associates	PL8-7496
Ga	J E Joyner & Associates	PL8-7496
Idaho	Burt Porter	EA3-8830
Ill	Jack West	RO3-3500
Iowa	Maury Bettis	LO1-0772
Kan	Maury Bettis	LO1-0772
La	Maynard Sales Co	RI2-2027
Me	Anderson Sales Co	CA7-2980
Md	J Allan Biggs	BE5-0575
Mass	Anderson Sales Co	CA7-2980
Mich	Jack Thorpe	TU4-43600
Miss	J E Joyner & Associates	PL8-7496
Mo	Maury Bettis	LO1-0772
Mont	Burt Porter	EA3-8830
Neb	Hyde Electronics	WE6-3456
Nev	Herb Becker	#E1-1257
NH	Anderson Sales Co	CA7-2980
NJ	Adolph Schwartz	DE3-2424
NM	Hyde Electronics	WE6-3456
NY	R W Mutscher	WA2-517
NY	Adolph Schwartz	DE3-2424
NC	J E Joyner & Associates	PL8-7496
Ohio	Neal Bear Corp	OL9-3331
Okla	Maynard Sales Co	RI2-2027
Ore	Burt Porter	EA3-8830
Pa	J Allan Biggs	AX7-3171
Pa	Neal Bear Corp	OL9-3331
RI	Anderson Sales Co	CA7-2980
SC	J E Joyner & Associates	PL8-7496
Tenn	J E Joyner & Associates	PL8-7496
Tex	Maynard Sales Co	RI2-2027
Utah	Hyde Electronics	WE6-3456
Vt	Anderson Sales Co	CA7-2980
Va	J Allan Biggs	AX7-3171
Wash	Burt Porter	EA3-8830
W. Va	Neal Bear	OL9-3331
Wisc	Jack West	RO3-3500
Wyo	Hyde Electronics	WE6-3456
Foreign	Westrex Corp	111 - 8th Ave, New York, NY
	GOOD-ALL ELECTRIC MFG CO.	**112 W. 1st St, Ogallala, Neb** — **28-4-3611**
Ariz	Samuel O Jewett Co	516 W. Vernon, Scottsdale, Ariz
Cal	Cochrane Electronics Sales Co	DU5-0095
Colo	Allen I Williams Co	SK6-9403
Conn	Drew Associates Inc	MB-3510
Del	Technical Representation	TU7-1325
Fla	Murphy & Cota	TR6-3020
Idaho	Shaffer & Nelson	EL5-8304
Ill	Memac Sales Co	KI5-1033
Ind	Robert O Whitesell & Associates	FL9-5374
Iowa	Ernie B Schwerin	JA1-8725
Kan	Ernie B Schwerin	JA1-8725
Ky	Robert O Whitesell & Associates	FL9-5374
La	Edward F Aymond Co	LA6-5233
Me	Drew Associates Inc	MB-3510
Md	Technical Representation	TU7-1325
Mass	Drew Associates Inc	MB-3510
Mich	Henschen Jensen & Co	TR1-0308
Minn	Northport Engineering Inc	MI6-2621
Mo	E B Schwerin	WE-7564
Neb	E B Schwerin	WE-7564
NH	Drew Associates Inc	MB-3510
NJ	Paul D Aaron	7-8480
NM	Allen I Williams Co	SK6-9403
NY	Paul D Aaron	7-8480
Ohio	Baehr Greenleaf & Associates Inc	AC1-9030
Okla	Edward F Aymond Co	LA6-5233
Ore	Shaffer & Nelson	BE4-7437
Pa	Technical Representation	TU7-1325
Tenn	Robert O Whitesell & Associates	FL9-5374
Tex	Edward F Aymond Co	LA6-5233
Utah	Shaffer & Nelson	EL5-8304
Vt	Drew Associates	MB-3510
Va	Murphy & Cota	TR6-3020
Wash	D J Fagge	TE6-8666
W. Va	D J Fagge	TE6-8666
Wisc	Memac Sales Co	KI5-1033
Wyo	Allen I Williams Co	SK6-9403
Foreign	E D Magnus & Associates	FR2-8785
	GOOD ELECTRONIC CORP	**Box 2406, W. Palm Beach, Fla** — **VI8-3241**
Mass	E Mathes	P.O. Box 235, Bedford, Mass
	GOODMANS INDUSTRIES LTD	**Axiom Wks, Wembley, Middlesex, Eng** — **WE1200**
Cal	Solartron Inc	1742 Zeyn St, Anaheim, Cal
NY	Rockbar Corp	650 Halstead Ave, Mamaroneck, NY
	GOODRICH, B F SPONGE PRODUCTS DIV	**1W Plant 4, Shelton, Conn** — **RE5-4661**
Ariz	B F Goodrich Sponge Prod Div	AD2-5146
Cal	B F Goodrich Sponge Prod Div	AD2-5146
Del	Jack Britt	RE7-3414
DC	Jack Britt	RE7-3414
Idaho	Rush S Drake Associates	
Md	Jack Britt	RE7-3414
Mont	Rush S Drake Associates	
Nev	B F Goodrich Sponge Prod Div	AD2-5146
NY	COB Enterprises	WE8-8644
Ore	Rush S Drake Associates	
Tex	Mitchell Speans Co	
Va	Jack Britt	RE7-3414
Wash	Rush S Drake Associates	
W. Va	Jack Britt	RE7-3414
	GOODRICH AVIATION PRODUCTS, B F, DIV B F GOODRICH CO.	**Akron, Ohio** — **BL3-1171**
Cal	B F Goodrich Aviation Products	RA3-6111
Ca	B F Goodrich Aviation Products	RE7-3414
Ga	B F Goodrich Aviation Products	CR8-4561
Ill	B F Goodrich Aviation Products	ES8-8800
Kan	B F Goodrich Aviation Products	MU4-6114

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NY	B F Goodrich Aviation Products	501 S. Broadway, Hicksville, NY	WE1-7120
Ohio	B F Goodrich Aviation Products	118 W. First St, Dayton 2, Ohio	BA2-8643
Wash	B F Goodrich Aviation Products	1 Hanford St, Seattle 4, Wash	MU2-4304
	B F GOODRICH INDUSTRIAL PRODUCTS CO	**500 S. Main St, Akron 18, Ohio**	**BL3-1171**
Cal	B F Goodrich Ind Prods Co	Box 2012, Term Annex, Los Angeles	RA3-6692
Cal	B F Goodrich Ind Prods Co	P.O. Box 162, San Francisco 1, Cal	AT2-9620
Colo	B F Goodrich Ind Prods Co	P.O. Box 417, Denver 1, Cal	TA5-1267
Ga	B F Goodrich Ind Prods Co	P.O. Box 4509, Atlanta 2, Ga	DR8-4561
Ill	B F Goodrich Ind Prods Co	4646 W. Lake St, Chicago 44, Ill	ES8-8800
Kan	B F Goodrich Ind Prods Co	830 Kindelberger Rd, Kansas City 15	WA1-4400
Mass	B F Goodrich Ind Prods Co	P.O. Box 106, Needham Heights, Mass	HI4-6100
Mich	B F Goodrich Ind Prods Co	16500 Oakwood Blvd, Allen Park, Mich	CR6-7000
Minn	B F Goodrich Ind Prods Co	800 Turners Crsrd, S. Minneapolis 16	LI5-2507
NY	B F Goodrich Ind Prods Co	230 Park Ave, New York 17, NY	OR9-0330
Ohio	B F Goodrich Ind Prods Co	P.O. Box 3507, Columbus, Ohio	AM6-8631
Pa	B F Goodrich Ind Prods Co	955 E. Erie Ave, Philadelphia 34, Pa	JE5-5800
Tex	B F Goodrich Ind Prods Co	P.O. Box 6185, Dallas, Tex	RI1-5601
	GOODYEAR AIRCRAFT CORP	**1210 Massillon Rd, Akron 15, Ohio**	
Ariz	L E Stilwell	Litchfield Park, Ariz	WE5-9331
Cal	P G Verhoeven	Box 3339, Term Annex, Los Angeles 54	LU3-3083
	GOODYEAR TIRE & RUBBER CO, CHEMICAL DIV	**1144 E. Market St, Akron 16, Ohio**	**FR6-1411**
Cal	R B Williams	1717 Harrison St, San Francisco 3, Cal	UN1-3773
Cal	James H Morrison	6666 E. Washington Blvd, Los Angeles	RA3-3611
Conn	A R Merritt	180 Goodwin St, East Hartford 8, Conn	BU9-3424
Ga	J S Brice	2755 Piedmont Rd, NE, Atlanta 5, Ga	CE7-4611
Ill	R R Kann	141 W. Ohio St, Chicago 10, Ill	MI2-8800
Mass	J M Hussey	66 "G" St, Needham Hts, Mass	HI4-3900
Mich	J R Kelly	6500 Mt. Elliott Ave, Detroit 11, Mich	WA1-7900
Minn	C H Smith	418 Stinson Blvd, Minneapolis 1, Minn	ST9-3551
Mo	J D Hunter	8544 Page Blvd, St. Louis 8, Mo	HA9-4000
NY	D E Neese	400 Park Ave, New York 22, NY	PL1-6000
NC	C P Moore	929 Jay St, Charlotte 8, NC	ED3-1161
Ohio	R Wallace	P.O. Box 326, Berea, Ohio	CL2-3000
Ore	R B Williams	2720 NW 35th Ave, Portland 10, Ore	CA6-2951
Pa	J W Bear	2750 N. Broad St, Philadelphia 32, Pa	BA8-8500
Tex	J Platner	5544 Armour Drive, Houston 20, Tex	WA3-5541
	GORDON ENTERPRISES	**5362 N. Cahuenga, N. Hollywood, Cal**	**PO6-3725**
	GORDOS CORP	**250 Glenwood Ave, Bloomfield, NJ**	**PI3-6800**
Ill	Rockford Controls	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Ind	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Iowa	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Me	John P Connelly Jr	10 Rutgers Rd, Wellesley 81, Mass	CE5-0129
Mass	John P Connelly Jr	10 Rutgers Rd, Wellesley 81, Mass	CE5-0129
Mich	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Minn	Rockford Controls Inc	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NH	John P Connelly Jr	10 Rutgers Rd, Wellesley 81, Mass	CE5-0129
NJ	Murray Co., The	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
NY	Murray Co., The	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NC	Harry T Altman Co	P.O. Box 8031, Charlotte, NC	EX9-8926
Ohio	Jay Engineering Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Pa	Murray Co., The	25 W. Northfield Rd, Livingston, NJ	WY2-0520
RI	John P Connelly Jr	10 Rutgers Rd, Wellesley 81, Mass	CE5-0129
SC	Harry T Altman Co	P.O. Box 8031, Charlotte, NC	EX9-8926
Tenn	Harry T Altman Co	P.O. Box 8031, Charlotte, NC	EX9-8926
Vt	John P Connelly Jr	10 Rutgers Rd, Wellesley 81, Mass	CE5-0129
Va	Harry T Altman Co	P.O. Box 8031, Charlotte, NC	EX9-8926
Wisc	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
	GORE & ASSOC INC., W L	**487 Paper Mill Rd, Newark, Del**	**EN8-8325**
Ariz	Costello & Co	2740 S. LaCienega Blvd, L A 34, Cal	UP0-8537
Ark	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Cal	Costello & Co	2740 S. LaCienega Blvd, L A 34, Cal	UP0-8537
Cal	Costello & Co	535 Middelfield Rd, Palo Alto, Cal	TA6-2354
Colo	B K Wheatlake Co	1318 S. Milwaukee, Denver 10, Colo	RA2-9117
Conn	V J Huntoon Associates Inc	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Del	Andco Sales Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
DC	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
Idaho	Shaffer & Nelson Inc	1415 S. Main St, Salt Lake City 15, Utah	HU4-3382
Ind	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Kan	James W Dick & Co	651 N. Clay Ave, Kirkwood 22, Miss	PA5-1234
Me	V J Huntoon Associates Inc	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Md	S W Goodman Co	32 W. Biddle St, Baltimore, Md	SA7-6116
Mass	V J Huntoon Associates Inc	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Mo	James W Dick & Co	651 N. Clay Ave, Kirkwood 22, Miss	PA5-1234
NH	V J Huntoon Associates Inc	908 Belmont Ave, Springfield 8, Mass	ST8-8516
NJ	Franklin & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
MM	B K Wheatlake Co	1318 S. Milwaukee St, Denver 10, Colo	RA2-9117
NY	Franklin & Andrews	2 Standish Terr, Syracuse 3, NY	GI6-1120
Ohio	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Okla	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Ore	Shaffer & Nelson Inc	1001 S.E. Water Ave, Portland 14, Ore	RE4-7437
Pa	Andco Sales Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
RI	V J Huntoon Associates Inc	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Tex	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Utah	Shaffer & Nelson Inc	1415 S. Main St, Salt Lake City 15, Utah	HU4-3382
Wash	Shaffer & Nelson Inc	312 Occidental Ave, Seattle 4, Wash	MU2-0186
Canada	Airflite Components Co	71 Dixon Rd, Weston, Toronto 15, Ont, Can	CH1-5533
Foreign	Comerso S A	30 Boul D Bonne Nouvelle, Paris 10E, France	PR33-07

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GORHAM ELECTRONICS, DIV OF GORHAM MFG CO	**333 Adelaide Ave, Providence 7, RI**	**WI1-1000**
Del	W H Duvall	1612 Eye St, N.W., Washington 6, DC	ST3-6085
Del	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
DC	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Fla	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Ga	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Ill	Midwest Electronic Sales	3800 N. North Ave, Chicago 47, Ill	CA7-3222
Ind	B A Menarik	3800 N. North Ave, Chicago 47, Ill	CA7-3222
Iowa	B A Menarik	3800 N. North Ave, Chicago 47, Ill	CA7-3222
Ky	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
La	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Md	W H Duvall	1612 Eye St, N.W., Wash, DC	ST3-6085
NJ	CDB Enterprises Inc	508 Broadway, Hicksville, NY	WE8-8644
NY	CDB Enterprises Inc	508 Broadway, Hicksville, NY	WE8-8644
NY	E W Stone Co	308 Merritt Ave, Syracuse, NY	HO9-3825
NC	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Pa	CDB Enterprises Inc	508 Broadway, Hicksville, NY	WE8-8644
SC	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Va	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
W.Va	W H Duvall	1612 Eye St, N.W., Wash 6, DC	ST3-6085
Wisc	Midwest Electronic Sales	3800 W. North Ave, Chicago 47, Ill	CA7-3222
	GORMAN MACHINE CORP	**480 S. Main St, Randolph, Mass**	**WO3-7333**
Cal	J S Trier & Associates	208 Standard St, El Segundo, Cal	EA2-5547
	GORN ELECTRIC CO., INC	**Main St, Stamford, Conn**	**FI8-7591**
Ala	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
Ariz	Thorson Co	7361 Melrose Ave, Los Angeles, Cal	WE4-1191
Cal	Thorson Co	7361 Melrose Ave, Los Angeles, Cal	WE4-1191
Colo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1131
Conn	Carr Associates	343 Barbara Rd, Middletown, Conn	DI7-6654
Ga	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
Idaho	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1131
Ill	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Ind	Bek Associates	330 Salem Ave, Dayton, Ohio	CR8-1343
Iowa	Anderson Associates	3825 York Ave, Minneapolis, Minn	JU9-2390
Kan	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Ky	Robert Stone & Associates	1925 Lee Rd, Cleveland Heights, Ohio	ER1-4484
La	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Me	Holiday & Hathaway Co., Inc	238 Main St, Cambridge, Mass	KI7-0380
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Mich	BEK Associates	330 Salem Ave, Dayton, Ohio	CR6-1343
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Miss	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
Mo	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Mont	Landes Zachary & Peterson Co	601 S. Jason, Denver 23, Colo	SH4-1131
Neb	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Nev	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1131
NH	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
NM	Landes Zachary & Peterson	Box 3245, Albuquerque, NM	AL6-9449
NY	Holiday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NC	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
ND	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Ohio	BEK Associates	330 Salem Ave, Dayton, Ohio	CR6-1343
Okla	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Ore	Thorson Co	2443 Ash St, Palo Alto, Cal	DA1-2414
Pa	Robert R Stone & Associates	1925 Lee Rd, Cleveland, Ohio	ER1-4484
RI	Hathaway Electronics Co., Inc	238 Main St, Cambridge, Mass	KI7-0380
SC	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
SD	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Tenn	Emory Des & Equipment Co	P.O. Box 9013, Birmingham 13, Ala	TR1-1369
Tex	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Utah	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1131
Vt	Hathaway Electronics Co., Inc	238 Main St, Cambridge, Mass	KI7-0380
Va	Robert Stone & Associates	1925 Lee Rd, Cleveland Heights, Ohio	ER1-4484
W. Va	Robert Stone & Associates	1925 Lee Rd, Cleveland Hts, Ohio	ER1-4484
Wisc	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU9-2390
Wyo	Landes Zachary & Peterson	1742 American Ave, Salt Lake City, Utah	HU7-7873
	GORN ELECTRONICS INC	**843 Main St, Stamford, Conn**	**FI8-7591**
Cal	Robison Co	4026 W. 183rd St, Torrance, Cal	FR9-5531
Colo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	Carr Associates	343 Barbara Rd, Middletown, Conn	DI7-6654
Fla	Holliday Hathaway	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Kan	D & O Engineering Co	P.O. Box 3107, Wichita, Kan	AM2-3052
Mass	Glen M Hathaway	238 Main St, Cambridge, Mass	KI7-0308
NJ	Holliday Hathaway Co	9 Lincoln Ave, Rutharford, NJ	WE9-7217
NM	Landes Zachary & Peterson Co	5900 Domingo, N.E., Albuquerque, NM	AL7-7873
NY	Holliday Hathaway Co	390 Plandome Rd, Manhasset, NY	MA7-7300
Ohio	Components Engineering Co	7461 N. Linden Ave, Cleveland, Ohio	VI2-2737
Ore	Burt C Porter Co	P.O. Box 7854, Portland 12, Ore	AT4-1718
Pa	Holliday Hathaway Co	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Tex	Landes Zachary & Peterson Co	2137 Mills St, El Paso, Tex	KE3-9060
Utah	Landes Zachary & Peterson Co	1472 American Ave, Salt Lake City, Utah	HU7-7873
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Canada	Winnett-Boyd Ltd	745 Mt. Pleasant Rd, Toronto, Canada	HU1-3722
	GOSLIN ELECTRIC & MFG CO	**2921 W. Olive St, Burbank, Cal**	**VI9-3025**
	GOTHAM AUDIO CORP	**2 W. 46 St, New York 36, NY**	**CO5-4111**
	GOW-MAC INSTRUMENT CO	**100 Kings Rd, Madison, NJ**	**FR7-3450**
Cal	Carl Herrmann Associates	557 E. Walnut St, Pasadena, Cal
Cal	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal
La	J K Moore Co	3113 Leeland Ave, Houston 3, Tex
Nev	Carl Herrmann Associates	557 E. Walnut St, Pasadena, Cal
NM	Carl Herrmann Associates	319-2A W. San Francisco, Santa Fe, NM
Ore	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal
Tex	J K Moore Co	3113 Leeland Ave, Houston 3, Tex
Wash	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	GRACE ELECTRONIC CHEMICALS INC	**101 N. Charles St, Baltimore 1, Md**	**PL2-7699**
Ariz	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
Cal	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
	GRAFO COLLOIDS CORP	**P.O. Box 195, Sharon, Pa**	**DI6-5023**
Cal	C W Hunt & Son	564 Howard St, San Francisco 5, Cal	GA1-5029
Cal	McGowan Co., Inc	1205 S. Boyle Ave, Los Angeles 23, Cal	AN3-7575
Ill	P W Wendt & Sons	431 S. Dearborn St, Chicago, Ill	HA7-2827
Mich	H E Evans	336 Dover Rd, Pontiac, Mich
NY	Bert Tidd & I P Ridley	P.O. Box 24, Auburn, NY
NY	Pavelle Trading	220 W. 42nd St, New York 36, NY
Pa	Ronald R States	R D #3 Richland Rd, Gibsonia, Pa
Canada	Stephen S Barber	1415 St, Mark St, Montreal, Quebec, Canada
Canada	L S Hancock	1201 Venables St, Vancouver 6, BC, Canada
	GRAHAM MFG CO., INC	**470 Bridge St, E. Greenwich, RI**	**TU4-5750**
	GRALLEN ELECTRONIC DIV CLEGG INC	**Hanover & Ridgedale, Morristown, NJ**
	GRAMM TRAILER CORP	**425 E. O'Connor Ave, Lima, Ohio**	**CA9-7015**
Pa	Gramm Trailer International	805 Fox Bldg, Philadelphia, Pa
	GRANCO PRODUCTS INC	**83-30 Kew Gardens Rd, Kew Gardens, NY**	**VI9-8900**
Ala	Carl Lewis Associates	627 Peachtree St, Atlanta, Ga	TR2-1457
Alaska	Paul Swanson	4620 Leary Way, Seattle, Wash	AT3-4515
Ariz	Herbert Krauss	1645 S. LaCienega, Los Angeles, Cal	EX3-4669
Ark	Jewel Sales Co	320 Magazine St, New Orleans, La	MA1-327
Cal	Herbert Krauss	1645 S. LaCienega Blvd, Los Angeles, Cal	EX3-4669
Colo	J C O'Donnell Co	2700 W. Evans, Denver, Colo	WE4-8652
Conn	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
Del	Harry Doull	2342 Cheltenham Ave, Philadelphia, Pa	WA4-7625
DC	Harry Doull	2342 Cheltenham Ave, Philadelphia, Pa	WA4-7625
Fla	Winfield Sales Co	666 N.E. 125th St, Miami, Fla	PL1-5966
Ga	Carl Lewis Associates	627 Peachtree, N.E., Atlanta, Ga	TR2-1457
Idaho	Paul Swanson	4620 Leary Way, Seattle, Wash	AT3-4515
Ill	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131
Ind	Charles Scheffler Co	1133 Navajo Trail, Indianapolis, Ind	CL3-6337
Iowa	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131
Kan	Bernie Schermer Co	2950 Washington Ave, St. Louis, Mo	FR1-2600
Ky	Charles Scheffler Co	1133 Navajo Trail, Indianapolis, Ind	CL3-6337
La	Jewel Sales Co	320 Magazine St, New Orleans, La	MA1-327
Me	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
Md	Harry Doull	2342 Cheltenham Ave, Philadelphia, Pa	WA4-7625
Mass	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
Mich	Clarg-Telmos Inc	1777 W. Lafayette Blvd, Detroit, Mich	TY8-4242
Miss	Jewel Sales Co	320 Magazine St, New Orleans, La	MA1-327
Mo	Bernie Schermer Co	2950 Washington Ave, St. Louis, Mo	FR1-2600
Mont	Paul Swanson	4620 Leary Way, Seattle 7, Wash	AT3-4515
Neb	Bernie Schermer Co	2950 Washington Ave, St. Louis, Mo	FR1-2600
Nev	Herbert Krauss	1645 S. LaCienega, Los Angeles, Cal	EX3-4669
NH	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
NM	J C O'Donnell Co	2700 W. Evans, Denver, Colo	WE4-8652
NY	Manny Garbin	7 Aragon Ave, Latham, NY	ST5-9872
NC	Carl Lewis Associates	627 Peachtree, N.W., Atlanta, Ga	TR2-1457
Ohio	Kenneth Luse	P.O. Box 2685, Lakewood, Ohio	LA1-0571
Okla	Jewel Sales Co	320 Magazine St, New Orleans, La	MA1-327
Ore	Paul Swanson	4620 Leary Way, Seattle 7, Wash	AT3-4515
Pa	Harry Doull	2342 Cheltenham Ave, Philadelphia, Pa	WA4-7625
Pa	Lis Associates	5542 Raleigh St, Pittsburgh, Pa	HA1-5821
RI	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
SC	Carl Lewis Associates	627 Peachtree, N.E., Atlanta, Ga	TR2-1457
Tenn	Carl Lewis Associates	627 Peachtree, N.E., Atlanta, Ga	TR2-1457
Tex	Jewel Sales Co	320 Magazine St, New Orleans, La	MA1-327
Utah	J C O'Donnell Co	2700 W. Evans, Denver, Colo	WE4-8652
Vt	Dimond-Gross Associates	44 Prickwick Rd, Marblehead, Mass	NE1-3913
Va	Harry Doull	2342 Cheltenham Ave, Philadelphia, Pa	WA4-7625
Wash	Paul Swanson	4620 Leary Way, Seattle, Wash	AT3-4515
W.Va	Lis Associates	5542 Raleigh St, Pittsburgh, Pa	HA1-5821
Wisc	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131
Wyo	Paul Swanson	4620 Leary Way, Seattle, Wash	AT3-4515
Foreign	George Solomon Co	395 Broadway, New York, NY
	GRAND SLIDING MECHANISMS INC	**2401 W. Ohio St, Chicago 12, Ill**	**CH3-0400**
Cal	Elmec Sales Inc	1921 University Ave, Palo Alto, Cal	DA1-2430
Cal	Fred C Warren	Box 75822, Sanford Sta, Los Angeles	WE4-3947
Fla	Edwin W Irby	Box 583, Orlando, Fla	GA5-8284
Fla	Harvey E Antley	20100 N.E. 25th Ct, N. Miami, Fla	WI5-2962
Ga	Cartwright & Bean	3223 Cainsmill Pl, N.W., Atlanta, Ga	CE7-2273
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Md	Robert E Vogel	5608 St. Albans Way, Baltimore 12, Md	VA5-1809
Minn	Scott Electronic Sales	6500 Xerxes, Minneapolis, Minn	WA6-3919
NY	John P Murphy	1608 Victoria St, Baldwin, NY	BA3-0617
Ohio	R L Thinnes	2600 Farmills Bldg, Dayton, Ohio	AX8-4261
Ohio	Don Roelsen	Box 5, Westlake, Ohio	SU1-1855
Tenn	James B Cartwright	560 S. Cooper St, Memphis, Tenn	BR6-4442
Tex	Thomas P Harper	3274 Branard St, Houston, Tex	JA4-3995
Wash	Ray H Cooley	101 Jones Bldg, Seattle 1, Wash	MU2-4567
	GRAND TRANSFORMERS INC	**Hay St, Grand Haven, Mich**	**9106**
Ind	Willard Spenser Co., The	20144 Livernois, Detroit 21, Mich	UN3-5189
Mich	Willard Spenser Co., The	20144 Livernois, Detroit 21, Mich	UN3-5189
NY	Eliot Schartzman	135 Sperry Blvd, New Hyde Park, NY	FL4-4108
Ohio	Willard Spenser Co., The	20144 Livernois, Detroit 21, Mich	UN3-5189
Pa	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
	GRANGER ASSOCIATES	**974 Commercial St, Palo Alto, Cal**	**DA1-4175**
Pa	Fred F Bartlott & Co	18 West Ave, Wayne, Pa	MU8-7325

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	GRANT GEAR WORKS INC	**154 W. 2nd St, S. Boston, Mass**	
	GRANT PULLEY & HARDWARE CORP	**135 High St, West Nyack, NY**	**ELS-4400**
Ala	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ariz	The Kay Co	708 E. 9th St, Tuscon, Ariz	
Cal	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
Cal	J C Brandt	1552 Windsor Ln, Santa Ana, Cal	LI4-6025
Colo	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Conn	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
Del	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
DC	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
Fla	W Ben Wimberly Co	532 S. FL Harrison Ave, Clearwater, Fla	CL3-7072
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Hawaii	Haneberg & Co	Box 2903, Honolulu 2, Hawaii	HO9-8824
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Ill	Walter Hess	2300 N. Woodward Ave, Royal Oak, Mich	LI5-5700
Ind	Walter Hess	2300 N. Woodward Ave, Royal Oak, Mich	LI5-5700
Iowa	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Kan	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Ky	Walter Hess	2300 N. Woodward Ave, Royal Oak, Mich	LI5-5700
La	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Me	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
Md	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
Mass	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
Mich	Walter Hess	2300 N. Woodward Ave, Royal Oak, Mich	LI5-5700
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Mo	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Neb	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Nev	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
NH	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
NJ	Joseph Norton	91 E. Shore Rd, Mountain Lakes, NJ	DE4-2921
NM	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
NY	Charles Agnoff	9 Jody Ln, Plainview, NY	OV1-6040
NY	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
NC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Ohio	Walter Hess	2400 N. Woodward Ave, Royal Oak, Mich	LI5-5700
Okla	Ammon & Woods Assoc	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Joseph Norton	91 E. Shore Rd, Mountain Lakes, NJ	DE4-2921
Pa	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
RI	John P Vissman	Harvard St, Marblehead, Mass	NE1-4154
SC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
SD	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Tenn	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Tex	Ammon & Woods Associates	5602 Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Vt	John P Vissman	Harvard St; Marblehead, Mass	NE1-4154
Va	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
W. Va	Robert Saunders	5218 Reisterstown Rd, Baltimore 15, Md	MO4-9491
Wisc	Walter Hess	2300 N. Woodward Ave, Royal Oak, Mich	LI5-5700
Wisc	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Canada	Kenneth M Thomas	209 Davenport Rd, Toronto 5, Canada	WA4-1105
Foreign	Devero Co of America	165 Broadway, New York, NY	WO4-8754
	GRAPHIC SYSTEMS	**55 W. 42 St, New York 36, NY**	
	GRAPHIK-CIRCUITS DIV CINCH	**200 S. Turnbull Canyon Rd, City of Industry, Cal**	**ED3-1201**
Cal	United-Carr Fastener Corp	1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	
Ill	Cinch Mfg Co	1026 S. Homan Ave, Chicago 24, Ill	NE2-2000
Ind	Cinch Mfg Co	5237 N. Keystone, Indianapolis, Ind	GL1-9526
Mass	United-Carr Fastener Corp	Wellesley Hill 81, Mass	
Mass	Ray Perron & Co	1870 Centre St, Boston 32, Mass	
Mich	United-Carr Fastener	2832 E. Grand Ave, Detroit 11, Mich	TR3-9500
NY	Cinch Mfg Co	647 S. Warren St, Syracuse 2, NY	GR1-8315
NY	Cinch Mfg Co	475 5th Ave, New York 10, NY	MU3-9356
Ohio	United-Carr Fastener	1468 W. 9th St, Cleveland, Ohio	TO1-7557
Pa	S K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
Pa	Cinch Mfg Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4775
Tex	United-Carr Fastener	1500 Jackson St, Dallas 1, Tex	RI2-5911
	GRAPHITE METALLIZING CORP	**1052 Nepperhan Ave, Yonkers, NY**	**YO6-8400**
	GRASON-STADLER CORP	**Electronics Park, West Concord, Mass**	**EM9-3787**
	GRASS INSTRUMENT CO	**101 Old Colony Ave, Quincy, Mass**	**PR3-0002**
	GRAY & KUHN INC	**80 Swain St, Westbury, NY**	**ED3-2194**
Ala	Emory Design & Equipment Co	P. O. Box 9013, Birmingham, Ala	TR1-1369
Cal	Cerruti & Associates	P. O. Box 509, Redwood City, Cal	
Cal	David G DeHaas Co	3651 Garrison Ave, San Diego, Cal	AC4-2401
Cal	PSP Engineering Co	6058 Walker Ave, Maywood, Cal	LU3-4785
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Del	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	LO3-7060
Fla	Emory Design & Equipment Co	P. O. Box 9013, Birmingham, Ala	TR1-1369
Ga	Emory Design & Equipment Co	P.O. Box 9013, Birmingham, Ala	TR1-1369
Idaho	Shaffer & Nelson	312 Occidental Ave, Seattle, Wash	MU2-0186
Ill	Greenwood Electrical Prods Corp	4868 N. Clark St, Chicago, Ill	LO1-5897
Md	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	LO3-7060
Mich	Bek Associates	24054 Smith Ave, West Lake, Ohio	CR8-1343
Minn	Greenwood Electrical Prods Corp	4868 N. Clark St, Chicago, Ill	LO1-5897
Mont	Shaffer & Nelson	312 Occidental Ave, Seattle 4, Wash	MU2-0186
NJ	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	LO3-7060
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
Ohio	Bek Associates	24054 Smith Ave, West Lake, Ohio	CR8-1343
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Ore	Shaffer & Nelson	312 Occidental Ave, Seattle 4, Wash	MU2-0186
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	LO3-7060
Tenn	Emory Design & Equipment Co	P.O. Box 9013, Birmingham, Ala	TR1-1369
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Wisc	Greenwood Electrical Prods Corp	4868 N. Clark St, Chicago, Ill	LO1-5897
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Canada	M J Howard & Co	1168 Gertrude St, Ottawa 3, Canada	PA8-2991
	GRAY INSTRUMENT CO	**448 Mill Rd, Andalusia, Pa**	**HO4-2100**
Ala	Floyd Fausett & Co	209 78th St, N. Birmingham 6, Ala	VE6-5802
Alaska	James L Kearns Co., The	P.O. Box 5108, Portland, Ore	BE6-2444
Ariz	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR3-0206
Ark	Airep Engineering	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Cal	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR3-0206
Cal	Enright Engineering Co	4434 Ingraham St, San Diego, Cal	HU8-4191
Colo	Instrument Service Co	833 Champa St, Denver 4, Colo	AL5-2167
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Fla	Floyd Fausett & Co	2727 Aloma Ave, Winter Park, Fla	WI7-4697
Ga	Floyd Fausett & Co	777 Pinehurst Ter, S.W., Atlanta 10, Ga	PL3-3104
Idaho	James L Kearns Co., The	P.O. Box 5108, Portland, Ore	BE6-2444
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ill	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
Ind	Law Instrument Co	P.O. Box 95, Angola, Ind	AN217
Iowa	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Kan	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
La	Airep Engineering	7050 Sharpcrest, Houston 36, Tex	GY4-4171
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mich	Law Instrument Co	P.O. Box 27062, Indianapolis, Ind	ST7-0009
Miss	Floyd Fausett Co	209-78 St, N., Birmingham 6, Ala	VE6-5802
Mo	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	
Neb	Instrument Service Co	833 Champa St, Denver 4, Colo	AL5-2167
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	L & M Associates	P.O. Box 641, Fairlawn, NJ	DI3-3070
NM	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR3-0206
NY	L&M Associates	38-25 149th Pl, Flushing 54, NY	HI5-0103
NY	L & M Associates	P.O. Box 51, Centuck Sta, Yonkers, NY	WO1-5566
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Fred R Sharp Co., The	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Ohio	B L Michaelson	321 N. Monroe St, Xenia, Ohio	DR2-5496
Okla	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Ore	James L Kearns Co., The	6055 N.E. Glisan St, Portland, Ore	BE6-2444
Pa	L & M Associates	488 W. Clapier St, Philadelphia 44, Pa	GE8-5666
Pa	Fred R Sharp Co., The	2138 Lee Rd, Cleveland 18, Ohio	DR2-5496
RI	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	Floyd Fausett & Co	209-78th St, N., Birmingham 6, Ala	VE6-5802
Tex	Airep Engineering Co	7050 Sharpcrest, Houston 36, Tex	GY4-4171
Utah	Instrument Service Co	833 Champa St, Denver 4, Colo	AL5-2167
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Va	James L Highsmith	3733 Monroe Rd, Charlotte, NC	FR7-2546
Wash	James L Kearns Co., The	P.O. Box 5108, Portland 16, Ore	ZE9902
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Wyo	Instrument Service Co	833 Champa St, Denver 4, Colo	AL5-2167
Canada	Northern Electric Co	1600 Notre Dame St, Montreal, Que, Can	WE7511
Canada	Northern Electric Co	8325 Fraser St, Vancouver 15, BC, Canada	EL2211
Foreign	Ing S & Dr Guido Belotti	Piazzo Trento 8, Milano, Italy	MI54-20-51
	GRAY MFG CO	**Dept 67, 16 Arbor St, Hartford 1, Conn**	**AD3-1271**
DC	Gray Mfg Co	1829 Connecticut Ave, N.W., Wash, DC	EX3-3283
	GRAY RADIO CO., INC	**501 Forest Hill Blvd, W. Palm Beach, Fla**	**JU2-2201**
	GRAYHILL INC	**537 Hillgrove Ave, La Grange, Ill**	**FL4-1040**
Ala	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Ark	M F Klicpera	Dallas 8, Tex	RI2-2515
Cal	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Cal	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Colo	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	PE3-7172
Conn	Michael Scott Co	335 Washington St, Wellesley Hills 81, Mass	CE5-0102
Del	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
DC	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Hawaii	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Idaho	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	J Taylor Hersey	2120 Greenwood Dr, Cedar Rapids, Iowa	2-2031
Ill	Hill-Gray	41 1/2 W. Harrison St, Oak Park, Ill	ES8-7050
Iowa	J Taylor Hersey	2120 Greenwood Dr, S.E., Cedar Rapids	2-2031
La	M F Klicpera	P.O. Box 3113, Dallas 8, Tex	JA2-8459
Me	Michael Scott Co	336 Washington St, Wellesley Hills 81, Mass	CE5-0102
Md	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
Mass	Michael Scott Co	335 Washington St, Wellesley Hills 81, Mass	CE5-0102
Mich	Koehler-Pasmore	11833 Hamilton Ave, Detroit 3, Mich	TO6-3322
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	M F Klicpera	P.O. Box 3113, Houston 1, Tex	JA2-8459
Mont	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Nev	Clark Co	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Nev	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
NH	Michael Scott Co	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
NJ	Naudain-Bohaker	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
NJ	Tylinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
NM	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	PE3-7172
NY	Tylinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse 4, NY	GR8-2141
NC	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Arthur H Baier Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-5644
Okla	M F Klicpera	P.O. Box 3113, Houston 1, Tex	JA2-8459
Ore	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Naudain-Bohaker Co	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
RI	Michael Scott Co	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
SC	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Utah	Electronic Components Sales Inc	2149 Clermont, Denver 22, Colo	PE3-7172
Vt	Michael Scott Co	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
Va	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Phila 3, Pa	LO4-3194
Va	James L Highsmith Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Wash	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Wisc	Hill-Gray Inc	41 1/2 Harrison, Oak Park, Ill	ES8-7050
Wisc	Northport Engineering Co	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Wyo	Electronic Components Sales Inc	2149 Clermont, Denver 22, Colo	PE3-7172
	GREAT EASTERN MFG CO	**163 Remsen Ave, Brooklyn 12, NY**	**PR1-8400**
Ala	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Ark	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Cal	Bernard L Cohn	823 Lake St, San Francisco, Cal	
Conn	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
Del	Herman Lewis Co	1622 - 68th Ave, Philadelphia 26, Pa	
DC	Herman Lewis Co	1622 - 68th Ave, Philadelphia 26, Pa	
Ga	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Ind	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
Ky	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
La	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Me	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
Md	Herman Lewis Co	1622 - 68th Ave, Philadelphia 26, Pa	
Mass	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
Mich	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Nev	Bernard L Cohn	823 Lake St, San Francisco, Cal	
NH	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
NJ	N A Steinberg Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2255
NY	James C Schnitter	109 Easton Ave, Buffalo 15, NY	
NY	N A Steinberg Co	880 Bergen Ave, Jersey City 6, NJ	
Ohio	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
Pa	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
Pa	Herman Lewis Co	1622 - 68th Ave, Philadelphia 26, Pa	
RI	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
Tenn	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Vt	Eastern Electronic Sales	145 University Rd, Brookline 46, Mass	
Va	Herman Lewis Co	1622 - 68th Ave, Philadelphia 26, Pa	
W. Va	Fred A Rosenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
	GREAT EASTERN METAL PRODS CO	**22 Woodworth Ave, Yonkers, NY**	**GR6-7300**
	GREAT LAKES ELECTRIC MFG CO	**17 S. Desplaines St, Chicago 6, Ill**	**AM3-3565**
	GREEN INSTRUMENT CO	**363A Putnam Ave, Cambridge, Mass**	**EL4-2989**
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
Ill	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago, Ill	JU8-2613
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	JO6-2375
NY	G B Eichelhardt & Associates	64 Mountain Ave, Chatham, NJ	ME5-7237
Ohio	The Satullo Co	16801 Euclid Ave, Cleveland, Ohio	IV6-2800
Ore	J L Kearns Co., Inc	6055 N.E. Glisan St, Portland, Ore	BE6-2444
Pa	John R McVeigh	35 Fairview Dr, Yardley, Pa	HY3-6695
Tex	The Gay Sales Co	420 Sul Ross, Houston, Tex	
Foreign	Frathom Co	33 W. 42nd St, New York 36, NY	BR9-9422
	GREEN RECTIFIER CO	**1-10 30th St, Fair Lawn, NJ**	**SW7-8100**
	GREENFIELD COMPONENTS CORP	**184 Shelburne Rd, Greenfield 16, Mass**	**PR3-5494**
	GREENLEAF MFG., THE DIV OF MANDREL INDUSTRIES INC	**7814 Maplewood Ind Ct, St Louis 17, Mo**	**ST1-9888**
Cal	Lawrence P Faber Jr	3127 David Ave, Palo Alto, Cal	DA6-6817
DC	Fleming D Shaw	3122 M Pl, S.E., Wash, DC	LU2-6136
Fla	James Faith	8318 Calais Circle, Orlando, Fla	CR7-0173
Ohio	John R Simpkins	319 W. Park Ave, Lebanon, Ohio	LE4-2751
	GREENLEE TOOL CO	**2136 12th St, Rockford, Ill**	**WO3-4881**
	GREENRAY INDUSTRIES	**Electronic's Div, Mechanicsburg, Pa**	**PO6-7175**
NY	Frank Tylinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
	GREIBACH INSTRUMENTS CORP	**315 North Ave, New Rochelle, NY**	**NE3-7900**
Ala	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts, Mass	HI4-9410
Del	Bonn Associates	57 New St; Metuchen, NJ	LI9-9573
DC	Wilco Associates	733-15th St, N.W., Washington 5, DC	EX3-0451
Fla	J Neal Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ga	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Idaho	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Ill	Lowell Co	4124 Skokrana Terr, Skokie, Ill	OR6-2063
Ind	Lowell Co	4124 Skokrana Terr, Skokie, Ill	OR6-2063
Iowa	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
La	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	AH6-9535
Me	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts, Mass	HI4-9410
Md	Wilco Associates	733-15th St, N.W., Washington 5, DC	EX3-0451
Mass	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts, Mass	HI4-9410
Mass	J L Peirce Co	16666 James Couzens, Detroit 21, Mich	UN2-2571
Mo	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NH	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts 94, Mass	HI4-9410

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	S & J Sales Engineering	130 Lafayette St, New York 13, NY	WO2-7766
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NM	Hyde Electronics Co.	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	J A Reagan Co.	45 N. Lake Ave, Albany 3, NY	HE6-9649
NY	S & J Sales Engineering	130 Lafayette St, New York 13, NY	WO2-7766
NC	Candor Co.	2080 Beach St, Winston-Salem, NC	PA2-1432
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Pa	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
RI	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts 94, Mass	HI4-9410
SC	Candor Co.	2080 Beach St, Winston-Salem, NC	PA2-1432
Tenn	Candor Co.	2080 Beach St, Winston-Salem, NC	PA2-1432
Tex	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Utah	Hyde Electronics Co.	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hghts 94, Mass	HI4-9410
Va	Wilco Associates	733-15th St, N.W., Washington 5, DC	EX3-0451
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Wisc	Lowell Co	4124 Skokiana Terr, Skokie, Ill	OR6-2063
Wyo	Hyde Electronic Co.	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Lindor International Corp.	10 E. 40th St, New York 17, NY	MU5-6740
Canada	John R Tilton Ltd	51 McCormack St, Toronto 9, Ontario, Can	RO9-1129

	GREMAR MFG CO., INC	**7 North Ave, Wakefield, Mass**	**CR9-4580**
Ala	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Alaska	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ariz	Paul F Wiley Co	1632 Silver Lake Blvd, Los Angeles, Cal	NO3-8028
Ark	Packard Associates	Lovefield Air Terminal Bldg, Dallas, Tex	FL7-5713
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Cal	Paul F Wiley Co	1632 Silver Lake Blvd, Los Angeles, Cal	NO3-8028
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Conn	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
Del	Wally Shulan Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
DC	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Fla	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Ga	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Hawaii	Gene Piety Factors	2030 Home Rule, Honolulu, Hawaii	
Idaho	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ill	L G Bacher	4216 W. Division St, Chicago, Ill	BE5-6601
Ind	L G Bacher	4216 W. Division St, Chicago, Ill	BE5-6601
Iowa	Thunderbird Eng	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Kan	Thunderbird Eng Sales & Services	6405 E. Kellogg, Wichita, Kan	MU4-3941
Ky	Electrocon	1231 Main Ave, Cleveland, Ohio	TO1-4757
La	Packard Associates	Lovefield Air Terminal Bldg, Dallas, Tex	FL7-5713
Me	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
Md	Wally Shulan Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Mass	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
Mich	L G Bacher	4216 W. Division St, Chicago, Ill	BE5-6601
Minn	L G Bacher	4216 W. Division St, Chicago, Ill	BE5-6601
Miss	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Mo	Thunderbird Engr Sales & Services	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Mont	Thunderbird Engr Sales & Services	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Neb	Thunderbird Engr Sales & Services	7811 Carondelet Ave, St. Louis, Mo	PA6-1413
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
NH	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
NJ	Wally Shulan Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NM	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
NY	Wally Shulan Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NC	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Ohio	Electro Com	627 Salem Ave, Dayton 6, Ohio	CR8-4797
Okla	Packard Associates	Lovefield Air Terminal Bldg, Dallas, Tex	FL7-5713
Ore	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Pa	Wally Shulan Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
RI	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
SC	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Tenn	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Tex	Packard Associates	Lovefield Air Terminal Bldg, Dallas, Tex	FL7-5713
Utah	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Vt	Geist-Hotz Inc	200 5th St, Stamford, Conn	DA4-7309
Va	Wally Shulman Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Va	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Wash	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
W. Va	Electro Com	1231 Main Ave, Cleveland, Ohio	TO1-4757
Wisc	L G Bacher	4216 W. Division St, Chicago, Ill	BE5-6601
Wyo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Foreign	Contact Gremar for Foreign Representation List		

	GRIES REPRODUCER CORP	**151 Beechwood St, New Rochelle, NY**	**NE3-3600**
Ariz	Heim & Scheer	11168 Santa Monica Blvd, L A 25, Cal	GR7-3208
Ark	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-6084
Cal	Heim & Scheer	11168 Santa Monica Blvd, Los Angeles	GR7-3208
Colo	John W Archibald	1985 Bluebell, Boulder, Colo	HI6-3414
Conn	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Del	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
DC	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ill	Components & Equipment Co	501 Clark Ave, Webster Groves 19, Mo	WO2-2799
Ind	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	McLaughlin & Welland Inc	P.O. Box 2544, Cincinnati 37, Ohio	PO1-5566
Iowa	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Kan	Components & Equipment Co	501 Clark Ave, Webster Groves 19, Mo	WO2-2799
Ky	McLaughlin & Welland Inc	P.O. Box 2544, Cincinnati 37, Ohio	PO1-5566
La	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-6084
Me	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Md	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
Mass	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Mich	M C Snyder Co	P.O. Box 1077, Lansing 4, Mich	IV7-5475
Minn	R E Anderson	3418 E. Lake St, Minneapolis 6, Minn	PA9-2614
Miss	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-6084
Mo	Components & Equipment Co	501 Clark Ave, Webster Groves 19, Mo	WO2-2799
NH	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
NJ	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
NM	John W Archibald	1985 Bluebell, Boulder, Colo	HI6-3414
NY	Stetler & Stetler	1807 Elmwood Ave, Buffalo 7, NY	DE6435
ND	R E Anderson	3418 E. Lake St, Minneapolis 6, Minn	PA9-2614

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Harry F Davis & Sonc	3494 Lee Rd, Shaker Heights 20, Ohio	SK1-8943
Ohio	McLaughlin & Welland Inc	P.O. Box 2544, Cincinnati 37, Ohio	PO1-5566
Okla	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-6084
Pa	Harry F Davis & Sons	3494 Lee Rd, Shaker Heights 20, Ohio	SK1-8943
Pa	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
RI	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
SD	R E Anderson	3418 E. Lake St, Minneapolis 6, Minn	PA9-2614
Tex	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-0684
Utah	John W Archibald	1985 Bluebell, Boulder, Colo	HI6-3414
Vt	John V Muddle Associates	74 Union St, Ashland, Mass	TR3-7091
Va	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
W. Va	McLaughlin & Welland Inc	P.O. Box 2544, Cincinnati 37, Ohio	PO1-5566
Wisc	Clarence W Binzel	808 N. Third St, Milwaukee 3, Wisc	BR3-7833
Wyo	John W Archibald	1985 Bluebell, Boulder, Colo	HI6-3414

	GRIEVE-HENDRY CO., INC	**1350 N. Elston Ave, Chicago 22, Ill**	**BR8-3400**
Ala	Consolidated Engineering Co of Ala	305 Oxmoor Rd, Birmingham 9, Ala	TR9-1831
Cal	A Dale Herman Inc	17071 Ventura Blvd, Encino, Cal	ST9-0349
Conn	William K Duff	P.O. Box 406, Avon, Conn	OR7-9175
Ga	Consolidated Engineering Co of Ga	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-1606
Ind	Harry Baker	2708 Rosewood, Muncie, Ind	
Ind	Engineering Products	6620 E. Washington St, Indianapolis, Ind	FL9-5374
La	Church-Dailing Co	321-322 Carondelet Bldg, New Orleans, La	JA5-5612
Mass	Eastern Appliance Co	281 Vassar St, Cambridge 39, Mass	UN4-3765
Mich	Walter E Heinz	P.O. Box 86-Harper Sta, Detroit 13, Mich	TU5-2879
Mo	Ted Nagelvoort	305 E. Winthrope Rd, Kansas City 13, Mo	
Mo	James P Broadwell & Associates	7810 Forsyth, Clayton 5, Mo	PA5-8700
NY	Davies Industrial Services Inc	3923 Harlem Rd, Buffalo 26, NY	CI2104
NY	Space-Tronics	100 E. Old Country Rd, Mineola, NY	PI1-8816
Ohio	Cleveland Industrial Eqpt Sls Co	4500 Euclid Ave, Cleveland, Ohio	HE1-8640
Ohio	Crandall Co., The	49 Park Ave, Dayton 19, Ohio	AX3-3159
Pa	Frank F Sahms	419 Twickenham Rd, Philadelphia, Pa	TU4-2559
Pa	R R Kovach Co	37 Alton Dr, Bethel Park, Pa	TE5-6596
Tex	Wright Industrial Products Co	1803 Calumet, Houston, Tex	JA3-5651
Tex	Wright Industrial Products	5738 N. Central Expwy, Dallas 6, Tex	TA4-2571

	GRIFFIN CO, JOHN	**2117 Grand Ave, St Paul 5, Minn**	**MI8-2810**

	GRIFFITHS ELECTRONICS INC	**155 Summit St, Newark 3, NJ**	

	GRIGSBY CO., INC	**407 N. Salem Ave, Arlington Heights, Ill**	**CL3-2100**
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	Harris-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Cal	William J Barron	1406 S. Grand, Los Angeles, Cal	RI8-6191
Colo	W J Peyser	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	J A Mount & Co	National Press Bldg, Washington 4, DC	DI7-1349
DC	J A Mount & Co	National Press Bldg, Washington 4, DC	DI7-1349
Fla	Jack A Benz	Box 178, N. Miami Beach 62, Fla	FR4-1391
Idaho	W J Peyser	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Ill	T B Hunter	4441 Irving Park Rd, Chicago, Ill	SP7-2500
Ind	William F Burgoyne	7001 N. Clark St, Chicago 26, Ill	HO5-2112
Iowa	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Kan	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Ky	John F Kilfoil Co	9514 Montgomery Rd, Cincinnati, Ohio	SY1-6150
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	J A Mount & Co	National Press Bldg, Washington 4, DC	DI7-1349
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	Herman D Mysing	18450 W. McNichols, Detroit 19, Mich	KE7-5460
Minn	F B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Mo	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Mont	W J Peyser	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Neb	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Nev	Harris-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	J F Norton	91 E. Shore Rd, Mountain Lakes, NJ	DE4-2921
NJ	Cooper-Clement Associates	835 Glenside, Wyncote, Pa	WI7-2216
NM	Fryco	335 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
NY	Andrews Co., The	Mott Rd, Fayetteville, NY	NE7-6405
NY	J F Norton	91 E. Shore Rd, Mountain Lakes, NJ	DE4-2921
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland 21, Ohio	EV1-9049
Ohio	John F Kilfoil	9514 Montgomery Rd, Cincinnati, Ohio	SY1-6150
Okla	Ammon & Woods	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Pa	Cooper-Clement Associates	835 Glenside, Wyncote, Pa	WI7-2216
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Tex	Ammon & Woods	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	W J Peyser	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	J A Mount & Co	National Press Bldg, Washington 4, DC	DI7-1349
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Wisc	T B Hunter	4441 Irving Pk Rd, Chicago, Ill	SP7-2500
Wyo	W J Peyser	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York, NY	LO4-7585
Canada	Lake Engineering	123 Manville Rd, Scarborough, Ontario	PL7-3253

	GRIMSON COLOR INC	**381 4th Ave, New York 16, NY**	**OR9-9090**

	GRINNELL-HARRIS ELECTRONICS	**4130 Temple City Blvd, Rosemead, Cal**	**GI3-1759**
Cal	G M Howard & Associates	1301 6th St, San Francisco, Cal	MA1-6759
Colo	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL2-7049
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Iowa	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Kan	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Mo	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Neb	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
NM	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL2-7049
Okla	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL2-7049
Tex	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL2-7049
Wisc	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Wyo	Rex May Co	6115 Denton Dr, Dallas 35, Tex	FL2-7049

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	GROOV-PIN CORP	**1125 Hendricks Cswy, Ridgefield, NJ**	**WH5-6780**

	GRUENBERG ELECTRIC CO., INC	**9 Commercial Ave, Garden City, NY**	**PI1-4180**
Fla	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	
Mass	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	
NJ	r p m Equipment	Box 37, Mountain Lakes, NJ	
NY	Heat Systems Co	777 Northern Blvd, Great Neck, NY	
NY	John Lightstone	515 Comstock Ave, Syracuse, NY	
NY	Fred Rosetti	63-31 136th St, Flushing, NY	
NY	Larry Lewis	1202 Ave I, Brooklyn, NY	
Tex	Gay Sales Co	Box 8414, Dallas 5, Tex	

	GUARDIAN ELECTRIC MFG CO	**1621 W. Walnut, Chicago 12, Ill**	**CH3-1100**
Ala	M F Taylor Co	2396 Conolly Dr, East Point, Ga	PO1-5353
Alaska	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
Ariz	Avtronics Inc	P.O. Box 90576, Airport Sta, L A, Cal	OR8-9045
Ark	Jack F McKinney Sales Co	P.O. Box 7337, Brookside Sta, Tulsa, Okla	TE5-4730
Cal	Bill Kolans & Co.	219 California Dr, Burlingame, Cal	DI4-7111
Cal	Avtronics Inc	P.O. Box 90576, Airport Sta, L A, Cal	OR8-9045
Colo	F Y Gates Co	3395 S. Bannock, Englewood, Colo	SU1-8566
Conn	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4434
Del	Guardian Electric Mfg Co	20 Madison Ave, Cresskill, NJ	LO8-5747
DC	M F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	M F Taylor Co	4304 Corona, Tampa 9, Fla	62-4071
Ga	M F Taylor Co	2396 Connolly Dr, East Point, Ga	PO1-5353
Hawaii	Bill Kolans & Co.	219 California Dr, Burlingame, Cal	DI4-7111
Idaho	F Y Gates Co	3395 S. Bannock, Englewood, Colo	SU1-8566
Ind	Guardian Electric Mfg Co	1717 Section Rd, Cincinnati, Ohio	
Iowa	Guardian Electric Mfg Co	2333 W. Wells, Milwaukee, Wisc	WE3-1975
Kan	Guardian Electric Mfg Co	421 S. Main St, Wichita, Kan	HO4-1991
Ky	Guardian Electric Mfg Co	1717 Section Rd, Cincinnati, Ohio	ME1-4719
La	Jack F McKinney Sales Co	1102 Fairway, Kenner, La	KE4-5869
Me	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Md	M F Taylor Co	Bucknom Rd, Baltimore 34, Md	NO8-9054
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Mich	Guardian Electric Mfg Co	600 Michigan Bldg, Detroit 2, Mich	WO3-1913
Minn	Guardian Electric Mfg Co	210 S. 5th St, Minneapolis, Minn	FE5-8252
Miss	J F McKinney Sales Co	1102 Fairway, Kenner, La	KE4-5869
Mo	Guardian Electric Mfg Co	2626 Main St, Kansas City, Mo	VA1-4420
Mont	F Y Gates Co	200 S. Main, Salt Lake City 1, Utah	EL9-1101
Neb	Guardian Electric Mfg Co	421 S. Main St, Wichita, Kan	HO4-1991
Nev	F Y Gates Co	3395 S. Bannock, Englewood, Colo	SU1-8566
NH	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
NJ	Guardian Electric Mfg Co	20 Madison Ave, Cresskill, NJ	LO8-5747
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	3-8010
NY	Gislason Sales Co., Inc	82 St. Paul St, Rochester 4, NY	LO2-8323
NC	M F Taylor Co	1224 Dresden Dr, W., Charlotte 5, NC	KE7-4878
ND	Guardian Electric Mfg Co	210 S. 5th St, Minneapolis, Minn	FE5-8252
Ohio	Guardian Electric Mfg Co	10 N. Main, Chagrin Falls, Ohio	CH7-6011
Ohio	Guardian Electric Mfg Co	1717 Section Rd, Cincinnati, Ohio	ME1-4719
Okla	Jack F McKinney Sales Co	P.O. Box 7337, Brookside Sta, Tulsa	TE5-4730
Ore	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
Pa	Guardian Electric Mfg Co	7114 Rising Sun Ave, Philadelphia 11	DE2-1389
RI	Sales Engineering Co	Sugar Ln, Newton, Conn	GA6-9627
SC	M F Taylor Co	1224 Dresden Dr, W., Charlotte 5, NC	KE7-4878
SD	Guardian Electric Mfg Co	210 S. 5th St, Minneapolis, Minn	FE5-8252
Tenn	M F Taylor Co	2396 Connolly Dr, East Point, Ga	PO1-5353
Tex	J F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Utah	F Y Gates Co	200 S. Main, Salt Lake City 1, Utah	EL9-1101
Vt	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4434
Va	M F Taylor Co	9431 Georgia Ave, Silver Spring, Md	
Wash	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
W. Va	M F Taylor Co	5436 Youngridge Dr, Pittsburgh, Pa	OL5-7712
Wisc	Guardian Electric Mfg Co	2333 W. Wells, Milwaukee, Wisc	WE3-1975
Wyo	F Y Gates Co	3395 S. Bannock, Englewood, Colo	SU1-8566
Canada	A C Simmonds & Sons Ltd	100 Merton St, Toronto 7, Ontario, Can	HU5-9111
Foreign	Guardian Electric Mfg Co	8 W. 40th St, New York 18, NY	LO4-7585

	GUARDITE CO DIV AMERICAN MARIETTA CO	**Box 188, Wheeling, Ill**	**LE7-1000**

	GUDEBROD BROS SILK CO., INC	**225 W. 34th St, New York 1, NY**	**LA4-5858**
Cal	Gudebrod Bros Silk Co., Inc	2833 S. Olive St, Los Angeles, Cal	RI7-9275
Ill	Gudebrod Bros Silk Co., Inc	Merchandise Mart, Chicago, Ill	DE7-3025
Mass	Gudebrod Bros Silk Co., Inc	115 Chauncy St, Boston, Mass	HA6-5347
Pa	Gudebrod Bros Silk Co., Inc	12 S. 12th St, Philadelphia, Pa	WA2-1122
Tex	Gudebrod Bros Silk Co., Inc	6452 Tulip Ln, Dallas, Tex	EM1-4403

	GUDEMAN CO., THE	**340 W. Huron St, Chicago 10, Ill**	**DE7-7400**
Ariz	Hower Co., Carl The	340 N. Marshall Ave, Scottsdale, Ariz	
Cal	Fillmore Co., D A The	1135 W. Huntington Dr, Arcadia, Cal	
Colo	Gates Co., The	200 S. Main St, Salt Lake City, Utah	
Conn	Near Inc	99 Highland Ave, Somerville, Mass	
Del	Massey Associates	111 Centerway, Greenbelt, Md	
DC	Massey Associates	111 Centerway, Greenbelt, Md	
Fla	Johnson Associates	P.O. Box 1675, Casselberry, Fla	
Idaho	Gates Co., The	200 S. Main St, Salt Lake City, Utah	
Ill	Twist Co., John G The	5232 W. Divesey Ave, Chicago 39, Ill	
Ind	Frederick Co., R G The	1601 S. Hanna, Fort Wayne, Ind	
Iowa	W E Fry & Co., Inc	406 W. 34th St, Kansas City, Mo	
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City, Mo	
Me	Near Inc	99 Highland Ave, Somerville, Mass	
Md	Massey Associates	111 Centerway, Greenbelt, Md	
Mass	Near Inc	99 Highland Ave, Somerville, Mass	
Mich	Frederick Co., R G The	1601 S. Hanna, Fort Wayne, Ind	
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City, Mo	
NH	Near Inc	99 Highland Ave, Somerville, Mass	
NJ	Ed Glass Associates	250 W. 57th St, New York 19, NY	
NJ	W Henry Cordray Sales Co	18 W. Chelton Ave, Philadelphia 44, Pa	
NY	Sample Co., James L The	21 Edgewater Ln, Rochester 17, NY	
NY	Ed Glass Associates	250 W. 57th St, New York 19, NY	
NC	Larco Engineering Inc	P.O. Box 6096, Charlotte 1, NC	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	
Ohio	Frederick Co., R G The	1601 S. Hanna, Fort Wayne, Ind	
Okla	Ray Co., T J The	P.O. Box 5417, Tulsa, Okla	
Ore	Levinson Co., Harry The	1117 Second Ave, Seattle 1, Wash	
Pa	W Henry Cordray Sales Co	18 W. Chelton Ave, Philadelphia 44, Pa	
Pa	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	
RI	Near Inc	99 Highland Ave, Somerville, Mass	
SC	Larco Engineering Inc	P.O. Box 6096, Charlotte 1, NC	
Tenn	Larco Engineering Inc	P.O. Box 6096, Charlotte 1, NC	
Utah	Gates Co., The	200 S. Main St, Salt Lake City, Utah	
Vt	Near Inc	99 Highland Ave, Somerville, Mass	
Va	Massey Associates	111 Centerway, Greenbelt, Md	
Wash	Levinson Co., Harry The	1117 Second Ave, Seattle 1, Wash	
Wisc	Twist Co., John G The	5232 W. Diversey Ave, Chicago 39, Ill	
Wyo	Gates Co., The	200 S. Main St Salt Lake City, Utah	
Canada	Samuel C Hooker Canada Ltd	2425 Grand Blvd, Montreal 28, Quebec, Canada	
	GUENTHER K G., WILLY	**1138 Mass Ave, Arlington 74, Mass**	**MI3-9286**
	GUIDANCE CONTROLS CORP	**110 Duffy Ave, Hicksville, NY**	**WE1-9500**
Ariz	Richard Capelli Co	2639 S. La Cienega Blvd, L A 34, Cal	UP0-8616
Cal	Richard Capelli Co	2639 S. La Cienega Blvd, Los Angeles 34	UP0-8616
Colo	Applied Engineering & Products Co	405 Felt Bldg, Salt Lake City, Utah	
Del	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
DC	Houser Associates	734 15th St, N.W., Washington 25, DC	
DC	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
DC	Washington DC Office	P.O. Box 1105, Langley Park, Md	
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Iowa	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Md	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
Mich	Clare Electronics Mfrs Agent	24431 Oakhill Dr, Cleveland 17, Ohio	
Minn	Edward Hoffman Mfrs Rep	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Mo	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Neb	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NJ	Owen P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NJ	Houser Associates	186 Water St, Perth Amboy, NJ	
NM	Applied Engineering & Products Co	405 Felt Bldg, Salt Lake City, Utah	
NY	Lenard Co	132 Burnet Ave, Syracuse 3, NY	GR9-9191
NY	Owen P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
ND	Edward Hoffman Mfrs Rep	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Ohio	Clare Electronics Mfrs Agent	24431 Oakhill Dr, Cleveland 17, Ohio	
Okla	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Pa	Houser Associates	734 15th St, N.W., Washington 25, DC	
Pa	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
SD	Edward Hoffman Mfrs Rep	189 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Utah	Applied Engineering & Products Co	405 Felt Bldg, Salt Lake City, Utah	
Va	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
Wisc	Edward Hoffman Mfrs Rep	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
	GULTON INDUSTRIES INC	**212 Durham Ave, Metuchen, NJ**	**LI8-2800**
Ala	Kenneth Gans	2308 Lee High Dr, Huntsville, Ala	JE6-0613
Cal	Engineered Magnetics Div	13041 Cerise Ave, Hawthorne, Cal	OR8-7602
Cal	Perlmuth Electronics Associates	5057 Washington Blvd, Los Angeles, Cal	WE1-1041
Cal	A Barauck	50 Hawthorne Ave, San Francisco, Cal	YU2-7292
Cal	D Rufus	13041 Cerise Ave, Hawthorne, Cal	OR8-7602
DC	R Moore	2030 N. 16th St, Arlington, Va	JA4-6888
DC	Wilco Associates	733 15th St, N.W., Washington, DC	EX3-0451
Fla	J Wright	P.O. Box 725, Boca Raton, Fla	BO8972
Ill	Rene Blazat Co	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ill	J Cappels	7710 N. Paulina, Chicago, Ill	RO1-9661
La	Glidden Engineering & Equipment Co	P.O. Box 4063, New Orleans, La	KE7-0641
Mass	Schaal Associates	11 Muzzey St, Lexington, Mass	VO2-3578
Mass	J Sarty	49 Countryside Ln, Norwood, Mass	TR5-6342
Mich	J L Pierce Co	16666 James Couzens, Detroit, Mich	UN3-2571
Mo	Ensco	4450 Main St, Kansas City, Mo	JE1-7765
NJ	Wm Lutz	57 Gordon Pl, Westwood, NJ	NO4-4233
NJ	A A Foley & Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
NJ	Alkaline Battery Div	2 Gregg St, Lodi, NJ	DI3-5900
NJ	Ortholog Div	P.O. Box 37, Princeton Junction, NJ	SW9-1520
NY	J A Reagan Co	45 N. Lake Ave, Albany, NY	AL8-9649
NY	E Berman	3450 24th St, Long Island City, NY	ST6-3423
NY	E Ullman Light	2156 Eastern Pkwy, Schenectady, NY	DI6-7997
NY	A Roberts	10 Birch Dr, Mount Kisco, NY	MT6-3006
Ohio	R Gerner	3851 Tait Rd, Dayton, Ohio	
Pa	J Hagy	481 Nelson Dr, Media, Pa	LO6-1687
Pa	J Cuesta	P.O. Box 873, Paoli, Pa	NI4-1500
Tex	P Southern	3212 Princeton Ave, Dallas, Tex	LE1-3748
Tex	Glidden Engineering & Equipment Co	3802 Winchester St, Houston, Tex	CA4-6471
Wash	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Wisc	E A Dickinson Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
Canada	Titania Elec Corp Ltd of Can	Gananoque, Ontario, Canada	
	GYRA ELECTRONICS CORP	**P.O. Box 184, La Grange, Ill**	**FL4-4644**
Ill	Thomas W Armesy	Roberts Ln, Batavia, Ill	TR9-7046
	GYREX CORP., THE	**3003 Penna Ave, Santa Monica, Cal**	**EX3-0462**
Conn	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
Idaho	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Ill	Loren F Green & Associates	5218 W. Diversey Pkwy, Chicago, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Pkwy, Chicago, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Pkwy, Chicago, Ill	PA5-6824
Me	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
Mass	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
NH	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
NJ	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
Ore	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Pa	Industron	Western Saving Fund Bldg, Phila, Pa	KI6-4121
RI	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
Vt	Industron	300 Northern Blvd, Great Neck, NY	HU7-2620
Wash	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Wisc	Loren F Green & Associates	5218 W. Diversey Pkwy, Chicago, Ill	PA5-6824
	H & N MACHINE CORP	**Noble & Jackson Sts, Norristown, Pa**	**BR2-6453**
	H & H PRODUCTS CO	**766 Ramsey Ave, Hillside, NJ**	
	H K METAL CRAFT MFG CORP	**3775 Tenth Ave, New York 34, NY**	**LO9-7500**
Ariz	E J Foley	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	R J Sargent Co	P.O. Box 22103, Los Angeles 22, Cal	RA2-1233
Colo	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
Conn	O E Pfannkuch Co	952 Main St, Bridgeport, Conn	FO7-8673
Del	Russell T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa	LO3-6784
Ga	G S Patton & Associates	Municipal Airport Terminal, Charlotte, NC	
Idaho	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
Ill	Jerome K Blakeslee & Co	5730 N. Western Ave, Chicago 45, Ill	LO1-3669
Iowa	Glenn N Hunolt Agency	1405 Robinhood Ct, Kirkwood 22, Mo	YO6-4234
Kan	Standard Parts & Equipment Corp	904 N. Main, Ft Worth, Tex	ED6-2521
Md	Russell T Brosius	1617 Pennsylvania Blvd, Philadelphia 3, Pa	
Mass	O E Pfannkuch & Co	952 Main St, Bridgeport, Conn	
Mich	Russell S Knecht Co	860 Livernois Ave, Ferndale, Mich	
Mo	Glenn N Hunolt Agency	1405 Robinhood Ct, Kirkwood 22, Mo	YO6-4234
Mont	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
Neb	Glenn N Hunolt Agency	1405 Robinhood Ct, Kirkwood 22, Mo	YO6-4234
Nev	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
NJ	Russell T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa	LO3-6784
NM	E J Foley	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
NY	Harry W Harding	17 Southgate Rd, Buffalo 15, NY	AM11E4
NC	G S Patton & Associates	Municipal Airport Terminal, Charlotte, NC	EX2-1233
Ohio	K D DeLancy	227 Cheltenham Dr, Dayton 9, Ohio	DX0021
Ohio	Arthur Hills Co	14805 Armin Ave, Lakewood 7, Ohio	SU1-1855
Okla	Guy H Murray	904 N. Main, Ft. Worth, Tex	ED6-2521
Pa	Russell T Brosius	1617 Pennsylvania Blvd, Phila 3, Pa	LO3-6784
Pa	S Ray Simon	300 Michaels Dr, Irwin, Pa	DR3-5975
RI	O E Pfannkuch Co	952 Main St, Bridgeport, Conn	FO7-8673
SC	G S Patton Associates	Municipal Airport Terminal, Charlotte, NC	EX2-1233
Tenn	G S Patton Associates	Municipal Airport Terminals, Charlotte, NC	EX2-1233
Tex	Guy H Murray	904 N. Main, Ft. Worth, Tex	ED6-2521
Utah	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
Va	G S Patton Associates	Municipal Airport Terminal, Charlotte, NC	EX2-1233
Wash	Charles Pacher	420 First Ave, W. Seattle, Wash	AT4-1880
W. Va	G S Patton Associates	Municipal Airport Terminal, Charlotte, NC	EX2-1233
Wisc	J K Blakeslee & Co	5730 N. Western Ave, Chicago 45, Ill	LO1-3669
Wyo	Edward C Swan Co	232 Dahlia St, Denver 20, Colo	EA2-4718
	HRB SINGER INC	**Science Park, State College, Pa**	**AD7-7611**
NJ	HRB-Singer Inc	90 Schureman St, New Brunswick, NJ	CH9-5030
NY	HRB-Singer Inc	S.E. 35th St, New York, NY	MU3-1248
	HACKENSACK CABLE CORP	**116 Orchard St, Hackensack, NJ**	
	HADLEY CO., INC., ROBERT M	**5112 S. Hoover St, Los Angeles 37, Cal**	
	HAGAN CHEMCALS & CONTROLS INC	**Hagan Center, Pittsburgh 30, Pa**	**WA2-3737**
Ala	J W Eshelman & Co., Inc	1812-28th Ave, Birmingham 9, Ala	TR9-3462
Ark	Hagan Chemicals & Controls	107 W. 12th St, Little Rock, Ark	FR4-7745
Cal	Hagan Chemicals & Controls	1485 Bayshore Blvd, San Francisco 24	JU7-0736
Cal	Hagan Chemicals & Controls	3040 Tweedy Blvd, S. Gate, Cal	LO7-2384
Colo	Hagan Chemicals & Controls	7580 W. 16th Ave, Denver 15, Colo	BE7-2729
DC	Parr Engineering Co	7942 Wisconsin Ave, Washington 14, DC	OL6-4321
Ill	Hagan Chemicals & Controls	211 S. Main St, Lombard, Ill	HA7-1743
Ind	Hagan Chemicals & Controls	4526 Shady Ln, Indianapolis, Ind	LI7-9406
Iowa	Hagan Chemicals & Controls	6 Geneva Dr, Muscatine, Iowa	AM3-9915
Kan	Hagan Chemicals & Controls	506 Main St, Grandview, Mo	SO1-2036
La	Coastal Engineering Corp	1500 Tchoupitoulas St, New Orleans 10	EX2194
Mass	Ralph L Williams Inc	77 Summer St, Boston 10, Mass	HA6-0696
Mich	Hagan Chemicals & Controls	15623 W. McNichols Rd, Detroit 35, Mich	VE5-8336
Minn	Fuel Economy Engineering Co	510 New York Bldg, St. Paul 1, Minn	CA4-5481
Mo	Hagan Chemicals & Controls	9400 Manchester Ave, St. Louis 19, Mo	WO1-7230
NM	Proveedores Tecnicos SA, DF, CV	Puebla 259, Mexico 7, DF, Mexico	25 44 67
NY	Sumler & Sengstaken	271 Madison Ave, New York 16, NY	LE2-8385
NY	Sumler & Sengstaken	1119 State St, Schenectady 4, NY	DI6-1135
NY	Hagan Chemicals & Controls	220 Delaware Ave, Buffalo 2, NY	MA9174
NC	Jos W Eshelman & Co	1608 Montford Dr, Charlotte 9, NC	JA3-3399
Ohio	Charles H Tate Co	13125 Shaker Sq, Cleveland 20, Ohio	WA1-6888
Ohio	Hagan Chemicals & Controls	1216 E. McMillan St, Cincinnati 6, Ohio	CA1-0057
Ore	Hagan Chemicals & Controls	7819 S.E. Powell Blvd, Portland 6, Ore	PR4-1667
Pa	Parr Engineering Co	1516 Locust St, Philadelphia 2, Pa	KI5-0720
Tex	Maintenance Engineering Corp	3711 Clinton Dr, Houston 1, Tex	CA2-2351
Utah	Hagan Chemicals & Controls	146 W. 7000 St, Bountiful, Utah	AX5-4711
W. Va	Hagan Chemicals & Controls	418 8th St, Huntington 9, W. Va	JA2-0590
Wisc	Hagan Chemicals & Controls	4920 Joetta Dr, Brookfield, Wisc	SU1-8990
	HAGEN MFG CO	**104 Walnut St, Baraboo, Wisc**	**BA1195**
Ala	McConnel Sales & Engineering Co	1661-28th Ave, S., Birmingham 9, Ala	TR1-3501
Ariz	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Campbell & George Co	1601 Cortland Ave, San Francisco 10, Cal	MI8-1236
Colo	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5454
Conn	Gibson Engineering Co	141 Washington St, Hartford 6, Conn	CH7-6919
Fla	Ward Engineering Co., Inc	1015 W. Central Ave, Orlando, Fla	GA2-4295
Ga	Thomas B Combs Co	1823 Gordon Rd, S.W., Atlanta, Ga	PL8-5516
Ill	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	ST6-6485
Iowa	Donald Corp	308 E. 6th Ave, Des Moines 9, Iowa	CH3-7623
Md	Harry M Wood & Co., Inc	124 Light St, Baltimore 2, Md	MU5-4643
Mass	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
Mich	Ralph O Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Minn	R A Lundbeck Co	1900 University Ave, St. Paul, Minn	MI6-4523
Mo	Barger Equipment Co., Inc	4030 Chouteau Ave, St. Louis 10, Mo	JE3-0123
NY	C H Ribble Co	31 DiCarolis Ct, Hackensack, NJ	DI2-2602
Ohio	J L Finnicum & Associates	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7477
Ohio	Thal Mor Associates Inc	11 W. Monument Ave, Dayton 2, Ohio	BA2-9661
Okla	C B Anderson Electric Co	712 Oil Capital Bldg, Tulsa 3, Okla	GI7-1123
Ore	Branom & Leeland Instrument Co	6019 N.E. Union Ave, Portland 11, Ore	BU5-5205
Pa	Edgar M Moore & Co	6964 Thomas Blvd, Pittsburgh 8, Pa	EM1-8780
Pa	W F Keegan & Co	771 Shelbourne Rd, Upper Darby, Pa	FL2-1125
Tex	Lynn Elliott Co	372 M & M Bldg, Houston 2, Tex	CA4-9715
Utah	Nabaum & Co., Inc	4777 S. 1300 E., Salt Lake City 17, Utah	CR7-0459
Wash	Branom & Leeland Instrument Co	2136-Second Ave, Seattle 1, Wash	MA2-7320
Canada	Davis Automatic Controls Ltd	P.O. Box 160, Islington, Ontario, Canada	BE3-3211
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
	HAKE PRODUCTS INC	**6152 Wasige Dr, Cincinnati, Ohio**	**BE1-6650**
Cal	Barstow & Doran	1408 S. Grand Los Angeles 15, Cal	RI8-6191
Cal	Sinai-Johnson	845 Jessie, San Francisco, Cal	UN1-6259
Colo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	770
Fla	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Ill	E Ralph Haines	949 Lake St., Oak Park, Ill	EV6-4476
Mass	Arthur E Axeroyd Co	John Hancock Bldg, Boston 16, Mass	HA6-2433
Mich	J Malcom Flora Inc	Territorial at Ridgewood, Plymouth, Mich	GL3-4296
Mo	William T McGary Co	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
NY	Morris J Hacker Associates	217-18 48th Ave, Bayside 64, L I, NY	BA4-5361
NY	Maury Farber Associates	Root Bldg, Buffalo 2, NY	MO3543
Ohio	Edwards Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Pa	Harold Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Wash	William R Langhear Co	3215 Western Ave, Seattle 1, Wash	MU8150
	HALEX INC	**310 E. Imperial Hwy, El Segundo, Cal**	
	HALL MFG CO	**3901 Wesley Terr, Schiller Park, Ill**	
	HALLAMORE ELECTRONICS CO	**714 N. Brookhurst St, Anaheim, Cal**	**PR4-1010**
Cal	Hallamore Electronics Co	1474 Barton Dr, Sunnyvale, Cal	RE9-9860
Fla	Hallamore Electronics Co	245 Maplewood Dr, Maitland, Fla	MI7-5727
	HALLETT MFG CO	**5910 Bowcroft St, Los Angeles, Cal**	**UP0-7094**
Ill	Anthony Miller	1620 Sacramento Ct, Carpentersville	HA6-1522
Mich	John Noyes	36040 Sherborne Dr, Mt. Clements	HO3-5995
	HALLIBURTON INC, MFG DIV	**4724 S. Boyle Ave, Los Angeles 58, Cal**	**LU8-3181**
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Canada	CE4-4686
	HALLICRAFTERS CO	**4401 W. 5th Ave, Chicago 24, Ill**	**VA6-6300**
	HALLMARK NAMEPLATE INC	**19A Gazza Blvd, Farmingdale, NY**	**MY4-1670**
Conn	Kawin Sales Co	90 Beaumont Circle, Yonkers, NY	SP9-4244
Me	Kawin Sales Co	90 Beaumont Circle, Yonkers, NY	SP9-4244
Mass	Kawin Sales Co	90 Beaumont Circle, Yonkers, NY	SP9-4244
NH	Kawin Sales Co	90 Beaumont Circle, Yonkers, NY	SP9-4244
RI	Kawin Sales Co	90 Beaumont Circle, Yonkers, NY	SP9-4244
	HALM INSTRUMENT CO., INC	**Glen Head Rd, Glen Head, NY**	**OR6-6700**
	HALOGEN INSULATOR & SEAL CORP	**9960 Pacific Ave, Franklin Park, Ill**	**GL5-9000**
Conn	Hazen P Chase & Co	41 Hampton Knolls, Holyoke, Mass	JE3-0168
Fla	Rodgers & Associates Inc	1925 Maplewood Dr, Orlando, Fla	GA2-0284
Ga	Rodgers & Associates Inc	1925 Maplewood Dr, Orlando, Fla	GA2-0284
La	Creole Engineering Co	P.O. Box 12115, New Orleans, La	AM3294
Mass	Hazen P Chase & Co	41 Hampton Knolls, Holyoke, Mass	JE3-0168
Mich	Gitre & Co	12909 W. 8 Mile Rd, Detroit, Mich	DI1-9270
Minn	McGee Engineering Co	2016 N. Herschel, St. Paul 13, Minn	MI4-2767
Mo	S-K-M Engineering Co	2207 Hanley Industrial Ct, St. Louis, Mo	MI7-2141
NJ	Beemer Engineering Co	1865 Morris Ave, Union, NJ	MU6-0834
NY	Beemer Engineering Co	122 E. 42nd St, New York, NY	OX7-3860
Ohio	Frank Wales Smith	12417 Cedar Rd, Cleveland 6, Ohio	ER1-4882
Pa	Beemer Engineering Co	401 N. Broad St, Philadelphia 8, Pa	WA2-0900
Vt	Hazen P Chase & Associates	41 Hampton Knolls, Holyoke, Mass	JE3-0168
Va	Beemer Engineering Co	216 Fifth St, Richmond 19, Va	RI2-5476
Wash	Bearings Sales & Service Inc	2908 6th Ave, Seattle 4, Wash	MU2-0331
Wisc	Robt Kornacki Associates	2333 W. Wells, Milwaukee 3, Wisc	DI4-3620
	HAMILTON-HALL RESISTOR CORP	**227 N. Water St, Milwaukee 2, Wisc**	**BR3-6460**
Ala	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Alaska	Richard Legg Co	1633 N.W. 21st St, Portland 9, Ore	CA3-9720
Ark	Antle-Smith Sales	2721 Brookfield, Dallas, Tex	FL7-7279
Cal	Walco Sales	15623 Rayen St, Sepulveda, Cal	EM2-6920
Colo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	
Conn	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	
Del	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 10, Pa	CH7-7116
DC	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 10, Pa	
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	
Idaho	Richard Legg Co	1633 N.W. 21st St, Portland 9, Ore	
Ill	W A Hurtienne	5875 Lincoln Ave, Chicago 45, Ill	LO1-0156
Ind	Robert O Whitesell & Associates	6620 E. Washington, Indianapolis 19, Ind	FL9-5374
Iowa	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Kan	Theodore B Lowell	Box 26, St. Louis 41, Mo	HE2-4560
Ky	Robert O Whitesell & Associates	6620 E. Washington, Indianapolis 19, Ind	
La	Antle-Smith Sales	2721 Brookfield, Dallas, Tex	
Me	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	
Md	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 10, Pa	
Mass	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	
Mich	Robert O Whitesell & Associates	6620 E. Washington, Indianapolis 19, Ind	
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Miss	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Mo	Theodore B Lowell	Box 26, Creve Coeur Br, St. Louis 41, Mo	
Mont	Richard Legg Co	1565 Sixth Ave, S., Seattle 4, Wash	MU2-7764
Neb	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Neb	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NH	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	CE5-3199
NJ	S A Shaw Co.	361 Central Park Ave, Yonkers, NY	YO3-5700
NM	Koether-Cox Co.	110 W. 13th Ave, Denver 4, Colo	MA3-3544
NY	S A Shaw Co.	361 Central Park Ave, Yonkers, NY	
NY	Wirson H Zimmerman Inc	112 Dewitt St, Syracuse, NY	GR4-4889
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
ND	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Ohio	H H Seay Co.	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
Okla	Antle-Smith Sales	2721 Brookfield, Dallas, Tex	FL7-7279
Ore	Richard Legg Co.	1565 Sixth Ave, S., Seattle 4, Wash	MU2-7764
Pa	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 10, Pa	
Pa	H H Seay Co.	3850 Fairlington Dr, Columbus 21, Ohio	
RI	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
SD	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tex	Antle-Smith Sales	2721 Brookfield, Dallas, Tex	FL7-7279
Utah	Koether-Cox Co.	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Vt	W B Pray Sales	44 Washington St, Wellesley Hills 81, Mass	
Va	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 10, Pa	
Wash	Richard Legg Co.	1565 Sixth Ave, S., Seattle 4, Wash	
W. Va	H H Seay Co.	3850 Fairlington Dr, Columbus 21, Ohio	
Wisc	Dave Dolin Sales	3553 W. Petersen Ave, Chicago, Ill	JU8-3738
Wyo	Koether-Cox Co.	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Canada	Glendon Co Ltd., The	603 Evans Ave, Toronto 14, Ont, Can	CL5-5001
Foreign	Minthorne International Co., Inc	15 Moore St, New York 4, NY	BO9-6272

HAMILTON MFG CO. ..... **Two Rivers, Wisc** **351**

HAMILTON WATCH CO INDL DIV. ..... **Lancaster, Pa** **EX4-7161**

HAMILTON WATCH CO PREC METALS DIV ..... **Lancaster, Pa** **EX4-7161**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Fagerstrom Steels Pacific Inc	1011 E. 61st St, Los Angeles 1, Cal	AD2-7251
Cal	Fagerstrom Steels Pacific Inc	1011 E. 61st St, Los Angeles 1, Cal	AD2-7251
Colo	Fagerstrom Steels Pacific Inc	1011 E. 61st St, Los Angeles 1, Cal	AD2-7251
Idaho	Fagerstrom Steels Pacific Inc	1011 E. 61st St, Los Angeles 1, Cal	AD2-7251
Ill	Corey Steel Co	2800 S. 61st Ct, Chicago 80, Ill	OL2-0777
Ind	Corey Steel Co	2800 S. 61st Ct, Chicago 80, Ill	OL2-0777
Iowa	Corey Steel Co	2800 S. 61st Ct, Chicago 80, Ill	OL2-0777
Kan	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Mich	Corey Steel Co	2800 S. 61st Ct, Chicago 80, Ill	OL2-0777
Minn	Corey Steel Co	2800 S. 61st Ct, Chicago, Ill	OL2-0777
Mont	Fagerstrom Steels Pacific Inc	1011 E. 61st St, Los Angeles 1, Cal	AD2-7251
Neb	Corey Steel Co	2800 S. 61st Ct, Chicago, Ill	OL2-0777
Nev	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
NM	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Okla	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Ore	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Tex	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Utah	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Wash	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251
Wisc	Corey Steel Co	2800 S. 61 Ct, Chicago, Ill	OL2-0777
Wyo	Fagerstrom Steels Pacific Inc	1011 E. 61 St, Los Angeles, Cal	AD2-7251

HAMLIN INC ..... **Lake & Grove Sts, Lake Mills, Wisc** **298**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Automatic General Electronic Sales Co	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Cal	McKnight Co	1436 El Camino Real, Menlo Park, Cal	DA6-3762
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	OR0-2520
Colo	Automatic General Electronic Sales Co	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Conn	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
Del	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
DC	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Ill	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	PR1-8430
Ill	Gordon Fixman	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Ind	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	PR1-8430
Ind	James Murray	Box 28, Westwood Br, Cincinnati, Ohio	HU1-9726
Kan	Gordon Fixman	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Ky	J Murray	Box 28, Westwood Br, Cincinnati, Ohio	HU1-9726
Me	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
Md	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Mass	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
Mich	Ralph D Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Minn	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	PR1-8430
Mo	Gordon Fixman	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Nev	McKnight Co	1436 El Camino Real, Menlo Park, Cal	DA6-3762
NH	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
NJ	John Hammond Inc	34 Lincoln Ave, Greenwich, Conn	NO1-9410
NJ	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
NM	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
NY	John S Hammond Inc	34 Lincoln Ave, Greenwich, Conn	NO1-9410
NC	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Ohio	Joseph Airgood	742 Berwin Ave, Pittsburgh 26, Pa	LE1-3539
Ohio	J Murray	Box 28, Westwood Br, Cincinnati, Ohio	HU1-9726
Ohio	Ralph D Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Pa	Joseph Airgood	742 Berwin Ave, Pittsburgh 26, Pa	LE1-3539
Pa	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
RI	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
SC	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Tex	Automatic General Electronic Sales	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Vt	White Sales Co	945 Great Plain Ave, Needham 92, Mass	MI4-3676
Va	W F Satterthwaite	P.O. Box 664, Havertown, Pa	SU9-9600
Wisc	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	PR1-8430
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Que	UN6-7367

HAMMARLUND MFG CO ..... **460 W. 34th St, New York 1, NY** **LO5-1300**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Ariz	Herman Markowitz	419 Balboa Dr, El Paso, Tex	JU4-1795
Ark	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Cal	King-Moon Co	13273 Ventura Blvd, Studio City, Cal	ST8-5450
Colo	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Conn	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD2-8533
Del	Towson Engineering Sales Serv	Box 6892, Towson 4, Md	
DC	Towson Engineering Sales Sev	Box 6892, Towson 4, Md	
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Hawaii	Jim Hastin Sales Co	Box 2098, Honolulu 5, Hawaii	511-755
Idaho	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Ill	Chas S Harris	1509 N. Ridge Ave, Arlington Hghts, Ill	CL9-4288
Ill	Harry W Gebhard	5129 W. Devon Ave, Chicago 30, Ill	
Ind	MacNabb, Schroeder & Loomis	820 E. 64th St, Indianapolis 20, Ind	CL5-6770
Ind	Harry W Gebhard	5129 W. Devon Ave, Chicago 30, Ill	
Kan	W E Fry & Co	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	MacNabb, Schroeder & Loomis	820 E. 64th St, Indianapolis 20, Ind	CL5-6770
La	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Me	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD2-8533
Md	Towson Engineering Sales Serv	Box 6892, Towson 4, Md	
Mass	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD2-8533
Mich	Burcaw-Cowan Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	Wm Englebretson Co	906 Ottawa Ave, St. Paul 8, Minn	CA2-2338
Miss	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Mo	W E Fry & Co	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Neb	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
NH	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD2-8533
NJ	Towson Engineering Sales Serv	Box 6892, Towson 4, Md	
NM	Herman Markowitz	419 Balboa Dr, El Paso, Tex	JU4-1795
NM	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	NE7-6137
NC	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
NC	J L Highsmith Co	Box 1011, Charlotte, NC	
ND	Wm Englebretson Co	906 Ottawa Ave, St. Paul 8, Minn	CA2-2338
Ohio	Van Hala Industrial Co	Box 2602, Lakewood Br, Cleveland 7	LA1-6283
Okla	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Ore	Ray Johnston Co	1011 E. 69 St, Seattle 15, Wash	LA4-5170
Pa	Towson Engineering Sales Serv	Box 6892, Towson 4, Md	
RI	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD2-8533
SC	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
SC	J L Highsmith Co	Box 1011, Charlotte, NC	
SD	Wm Englebretson Co	906 Ottawa Ave, St. Paul 8, Minn	CA2-2338
Tenn	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Utah	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Va	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Va	J L Highsmith Co	Box 1011, Charlotte, NC	
Wash	Ray Johnston Co	1011 E. 69 St, Seattle 15, Wash	LA4-5170
W. Va	Burcaw-Cowan Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Wisc	Wm Englebretson Co	906 Ottawa Ave, St. Paul 8, Minn	CA2-2338
Wisc	Harry W Gebhard	5129 W. Devon Ave, Chicago 30, Ill	
Wyo	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Foreign	Sales Representatives in all principal countries		
Canada	Ahearn & Soper Co., Ltd	384 Bank St, Ottawa 4, Canada	CE6-9441
Canada	White Radio Ltd	41 West Ave, Hamilton, Ontario, Canada	JA2-1716

HAMMER ELECTRONICS CO ..... **P. O. Box 531, Princeton, NJ** **PE7-1320**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ariz	McCarthy Associates	111 Osborn W, Phoenix, Ariz	CR9-1891
Ark	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	FL7-1881
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Cal	McCarthy Associates	635 Oak Grove Ave, Menlo Park, Cal	DA6-7937
Cal	McCarthy Associates	3460 Ingraham St, San Diego 9, Cal	BR4-1100
Conn	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Del	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates	P.O. Box 286, Indian River City, Fla	AM7-0411
Ga	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ill	Ben Z Rubin Co	16130 Mayers Rd, Detroit 35, Mich	UN4-4958
Ill	E H Corelett	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ky	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
La	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	FL7-1881
Me	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Md	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Mich	Ben Z Rubin Co	16130 Mayers Rd, Detroit 35, Mich	UN4-4958
Miss	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	FL7-1881
Nev	McCarthy Associates	111 Osborn W., Phoenix, Ariz	CR9-1891
NH	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
NJ	Landlear Enterprises	P O Box 68, Nutley, NJ	NO7-2900
NM	Earl Lipscomb Associates	P.O Box 7084, Dallas 9, Tex	FL7-1881
NY	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
NC	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Ohio	Alan Kurtz	515 E. Grand Ave, Springfield, Ohio	FA2-5893
Ohio	Ben Z Rubin Co	16130 Mayers Rd, Detroit 35, Mich	UN4-4958
Okla	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	FL7-1881
Pa	A Bruce Edwards	1 Belmont Ave, Bala Cynwyd, Pa	TR8-8080
RI	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
SC	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem, NC	PA5-5384
Tenn	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Tex	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	FL7-1881
Tex	Earl Lipscomb Associates	3825 Richmond Ave, Houston, Tex	MO7-2407
Vt	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
W.Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Wisc	Ben Z Rubin Co	16130 Mayers Rd, Detroit 35, Mich	UN4-4958
Canada	R C Testing & Control Systems	618 Vanghan Rd, Toronto 10, Canada	RU1-6658
Foreign	Henley & Co	202 E. 44th St, New York 17, NY	YU6-5544
Foreign	Schneider Henley & Co	Maximiliansplatz 12A, Munchen 2, Germany	

HAMPDEN MFG CO., INC. ..... **Box 89, Three Rivers, Mass** **AT3-3451**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Thomas Reidy	Box 289, Avon, Conn	OL8-5553
Mass	Jack Decker	42 Berkley St, Waltham 54, Mass	TW3-2682
N.	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	W17-2762
NY	Harold Martin Inc	165 Palisades Ave, Cresskill, NJ	W17-2762
NY	Oren Lanzendorf	513 Cumberland Ave, Syracuse 10, NY	

HANDLEY INC ..... **12960 Panama St, Los Angeles 66, Cal** **UP8-7950**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Alaska	Howell Sales Inc	2029 McGilura Blvd, Seattle 2, Wash	MU2-8290
Ariz	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	El Berman Co	450 Ninth St, San Francisco, Cal	UN3-0317
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	AC2-6862
Conn	Electronic Components & Service	Box 35, Newton Centre, Mass	KE6-8581
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Ga	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Idaho	Howell Sales Inc	2029 McGilura Blvd, Seattle 2, Wash	MU2-8290
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	5214 Forrest Ave, Ft. Wayne, Ind	
Iowa	Ellinger Sales Corp	309 4th St, S.E. Charion, Iowa	
Kan	Lee Mark Associates	Box 8467, Kansas City, Mo	JA3-9299
Me	Electronic Components & Service	Box 35, Newton Centre, Mass	KE6-8581
Md	Samuel Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Electronic Components & Serv	Box 35, Newton Centre, Mass	KE6-8581
Mich	Willis L Trombley & Son	3035 E. Grand Blvd, Detroit 2, Mich	TR1-6067
Miss	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Mo	Lee Mark Associates	Box 8467, Kansas City, Mo	JA3-9299
Mont	Howell Sales Inc	2029 McGilura Blvd, Seattle 2, Wash	MU2-8290
Neb	Lee Mark Associates	Box 8467, Kansas City, Mo	JA3-9299
Nev	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
NH	Electronic Components & Service	Box 35, Newton Centre, Mass	KE6-8581
NJ	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
NM	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
NY	Leo Jacobson & Co., Inc	1366 Kenmore Ave, Buffalo 23, NY	DE0442
NY	John W Richardt Co	Rt 46, Pine Brook, NJ	CA8-0600
NC	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland 21, Ohio	EV1-9049
Ohio	C A Robinson Co	333 W. 1st St, Dayton 2, Ohio	BA2-0832
Okla	Koch Engineering & Sales	Meadows Bldg, Dallas 6, Tex	EM1-1765
Ore	Howell Sales Inc	2029 McGilura Blvd, Seattle 2, Wash	MU2-8290
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Electronic Components & Serv	Box 35, Newton Centre, Mass	KE6-8581
SC	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Tenn	Specialized Equipment Co	Box 323, Cocoa Beach, Fla	SU3328
Tex	Koch Engineering & Sales	Meadows Bldg, Dallas 6, Tex	EM1-1765
Utah	Howell Sales Inc	4637 Dudley, Arvada, Colo	AC2-6862
Vt	Electronic Components & Serv	Box 35, Newton Centre, Mass	KE6-8581
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Howell Sales Inc	2029 McGilura Blvd, Seattle 2, Wash	MU2-8290
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Wyo	Howell Sales Inc	4637 Dudley, Arvada, Colo	AC2-6862

HANDY & HARMAN ..... **82 Fulton St, New York 38, NY** **BE3-2460**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Handy & Harman	330 N. Gibson Rd, El Monte, Cal	CU3-8181
Cal	Handy & Harman	1299 Bayshore Blvd, Burlingame, Cal	DI2-2800
Conn	Handy & Harman	Bridgeport 1, Conn	CL9-8321
Ill	Handy & Harman	1900 W. Kinzie St, Chicago 22, Ill	SE3-1234
Mich	Handy & Harman	19363 James Couzens Hwy, Detroit	VE8-8480
Ohio	Handy & Harman	4402 W. 215 St, Cleveland 26, Ohio	EO3-2166
RI	Handy & Harman	425 Richmond St, Providence 3, R	JA1-4100
Tex	Handy & Harman	5840 Hamstow Rd, Dallas 30, Tex	AD9-2717
Canada	Handy & Harman of Canada Ltd	141 John St, Toronto 29, Canada	EM8-6171

HANKISON CORP ..... **College & Pike, Canonsburg, Pa** **SH5-1555**

HANNIFIN CORP ..... **583 S. Wolf Rd, Des Plaines, Ill**

HANSEN MFG CO., INC. ..... **P. O. Box 23, Princeton, Ind** **FU5-3415**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Electric Motor Engineering Inc	8255 Beverly Blvd, Los Angeles, Cal	OL1-3220
Conn	Winslow Electric Co	Main St, Chester, Conn	LA6-5323
Ill	The Fromm Co	5150 W. Madison St, Chicago, Ill	ES8-4141
Mass	Winslow Electric Co	Main St, Chester, Conn	LA6-5323
Minn	The Fromm Co	5150 W. Madison St, Chicago, Ill	ES8-4141
NJ	Winslow Electric Co	123 E. 37th St, New York City, NY	MU5-9235
NY	H Cushman Agencies Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	H Cushman Agencies Inc	422 Niagara Falls Blvd, Buffalo, NY	AM4591
NY	H Cushman Agencies Inc	9 Ivanhoe, Binghamton, NY	RA3-5689
NY	H Cushman Agencies Inc	404 E. Genessee St, Fayetteville, NY	NE7-9383
NY	Winslow Electric Co	123 E. 37th St, New York City, NY	MU5-9235
Ohio	Winslow Electric Co	270 N. Main St, Chagrin Falls, Ohio	CH7-8587
Pa	H Cushman Agencies Inc	422 Niagara Falls Blvd, Buffalo, NY	
Pa	Winslow Electric Co	1434 Land Title Bldg, Philadelphia 6	LO6-1846
RI	Winslow Electric Co., Inc	Main St, Chester, Conn	LA6-5323
Wisc	The Fromm Co	5150 W. Madison St, Chicago, Ill	ES8-4141

HANSON-GORRILL-BRIAN INC ..... **85 Hazel St, Glen Cove, NY**

HARDER CO., DONALD C ..... **2580 K St, San Diego, Cal**

HARDMAN CO., INC, H V ..... **571 Cortlandt St, Belleville, NJ** **PL9-1242**

HARDWICK HINDLE INC. ..... **40 Hermon St, Newark 5, NJ** **MA3-8200**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Wm Entriken Co	P. O. Box 393, Balboa Island, Cal	
Cal	Bernard L Cahn Co	420 Market St, San Francisco 11, Cal	SU1-7981
Conn	Hardwick Hindle Inc	76 Rainbow Terr, Salem, Mass	PI4-5209
Del	Ferrele S Carmine	14 Knickerbocker Dr, Newark, Del	EN8-7063
Fla	Benz Sales	P. O. Box 178, N. Miami Beach	FR4-1391
Ill	Hill & Gray	41 1/2 Harrison St, Oak Park	EU3-0373
Kan	E W McGrade	Prarie Village Sta, Box 8876, K.C., Kan	VA8-300
Mass	Hardwick Hindle Inc	76 Rainbow Terr, Salem, Mass	PI4-5209
Mich	R S Lohman	12730 Frenkell, Detroit	UN2-9465
Minn	Bonament Heyda	6101 Auto Club Rd, Minnpls 20, Minn	TU1-9166
NY	P B Eyre	67 Oak Grove Dr, Buffalo, NY	PL4-363
NC	Electronic Specialties Co	Box 5516, Washington, DC	WH6-1512
Ohio	Henger Fairfield Co	1812 Columbus Rd, Cleveland	CH1-1018
Pa	E M Moore & Co	6964 Thomas Blvd, Pittsburgh	EM1-8780
Pa	Parajou Sales Co	111 S. 22nd St, Philadelphia	RI6-7060
Pa	F S Carmine	14 Knickerbocker Dr, Newark, Del	
SC	Electronic Specialties Co	Box 5516, Washington, DC	WH6-1512
Tex	John B Guenther	4533 N. Central Expwy, Dallas	LA8-6286
Wash	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-5170

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Foreign	Rocke International Corp	13 E. 40th St, New York City	MU9-0200
Canada	John Herring Co.	3468 Dundas St, Toronto, Canada	RO2-9824

HARKINS RADIO CO., INC ..... **4444 E. Washington, Phoenix, Ariz** **BR5-6224**

HARMAN-KARDON INC ..... **520 Main St, Westbury, NY** **ED4-1500**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
Alaska	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ariz	I R Stern & Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Ark	Detzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RA2027
Cal	Sinai-Johnson Co	845 Jessie St, San Francisco 3, Cal	UN1-6259
Cal	I R Stern & Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Colo	R G Bowen Co	721 S. Broadway, Denver 9, Colo	RA2-4641
Conn	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
Conn	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
Del	Harold Blumenstein	123 Crosshill Rd, Philadelphia, Pa	MI9-9523
Del	S W Simberkoff Co	68 Hudson St, Hoboken, NJ	WH3-7023
DC	Harold Blumenstein	123 Crosshill Rd, Philadelphia, Pa	MI9-9523
DC	Howard Gotenpaul	Arlington Towers, Arlington, Va	
Fla	Winfield Electric Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Ga	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
Hawaii	I R Stern & Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Idaho	Wm R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ill	George Petitt Co., Inc	349 N. Ashland Ave, River Forest, Ill	CO1-0342
Ind	Charles Scheffler Co	1133 Navajo Trail, Indianapolis 8, Ind	CL3-6337
Iowa	Heimann Co The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Kan	Earl Wennberg	6636 Agnes, Kansas City 30, Mo	JA3-2126
Ky	Charles Scheffler Co	1133 Navajo Trail, Indianapolis 8, Ind	CL3-6337
La	Detzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RA2027
Me	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
Me	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
Md	Harold Blumenstein	123 Crosshill Rd, Philadelphia, Pa	MI9-9523
Md	Howard Gotenpaul	Arlington Towers, Arlington, Va	
Mass	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
Mass	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit	BR3-3652
Minn	Heimann Co., The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Miss	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
Mo	Earl Wennberg	6636 Agnes, Kansas City 30, Mo	JA3-2126
Mont	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Neb	Heimann Co., The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Nev	Sinai-Johnson Co	845 Jessie St, San Francisco 3, Cal	UN1-6259
NH	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
NH	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
NJ	Stang Sales Co	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NJ	Harold Blumenstein	123 Cross Hill Rd, Philadelphia, Pa	MI9-9523
NJ	S W Simberkoff	68 Hudson St, Hoboken, NJ	WH3-7023
NM	R G Bowen Co	721 S. Broadway, Denver 9, Colo	RA2-4641
NY	S W Simberkoff Co	68 Hudson St, Hoboken, NJ	WH3-7023
NY	John Spagnuolo	17 John David Ln, Albany, NY	
NY	Stang Sales Co	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NC	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
ND	Heimann Co., The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Ohio	James H Podolny Co	5912 Pennsylvania Ave, Pittsburgh 6, Pa	HI1-0800
Okla	Detzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RA2027
Ore	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Pa	Harold Blumenstein	123 Crosshill Rd, Philadelphia, Pa	MI9-9523
Pa	S W Simberkoff Co	68 Hudson St, Hoboken, NJ	WH3-7023
Pa	J H Podolny Co	5912 Pennsylvania Ave, Pittsburgh 6, Pa	HI1-0800
RI	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
RI	L B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
SC	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
SD	Heimann Co., The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Tenn	Robert G Thomas	942 S. 53 St, Birmingham, Ala	LY2-4715
Tex	Detzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RA2027
Utah	R G Bowen Co	721 S. Broadway, Denver 9, Colo	RA2-4641
Vt	Willson Sales Co	60 Beach, Marblehead, Mass	NE1-4016
Vt	L B Cole Co	21 Radcliffe Rd, Weston, Mass	CO7-2886
Va	S W Simberkoff Co	68 Hudson St, Hoboken, NJ	WH3-7023
Wash	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
W. Va	J H Podolny Co	5912 Pennsylvania Ave, Pittsburgh 6, Pa	HI1-0800
Wisc	George Petitt Co	349 N. Ashland Ave, River Forest, Ill	CO1-0342
Wisc	Heimann Co., The	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Wyo	R G Bowen Co	721 S. Broadway, Denver 9, Colo	RA2-4641
Foreign	Electronics Mfg Export Co	127 Grace St, Plainview, NY	WE1-3701
Canada	Wilf G Farrow, Alex L Clark Ltd	3751 Bloor St, W., Islington 18, Ont, Can	BE3-8410

HARMON LICHTENSTEIN & CO .... **26 Broadway, New York 4, NY** **HA2-8395**

HAROWE PRECISION INC..... **Mount Rd, Lenni Mills, Pa**

HARPER ELECTRIC FURNACE CORP ..... **110 Pearl St, Buffalo 2, NY** **MO5366**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Cal	John H Lease	Box 246, Sta A, Palo Alto, Cal	YA5-2122
Cal	Lombard Smith Co	714 W. Olympic Blvd, Los Angeles 15, Cal	RI8-5345
Colo	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Conn	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
Conn	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Del	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
DC	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
Hawaii	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	T C Jarrett	95 S. Ammons St, Denver 15, Colo	BE3-2333
Kan	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Me	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Md	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
Mass	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Mich	Charles H Armstrong Co	570 Livernois Ave, Ferndale 20, Mich	LI4-1305
Minn	Howard W Carlson	123 S. Third St, Minneapolis 1, Minn	FE5-7172
Mo	R E Stemm-W Pugh-J Schack	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Mo	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Neb	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
NH	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
NJ	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
NJ	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
NM	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
NY	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
NY	E F Burke Inc	17002 Miles Ave, Cleveland 28, Ohio	WY1-8272
NY	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1701
NY	William J Sommers Co., Inc	835 Englewood Ave, Buffalo 23, NY	AT7800
Ohio	E F Burke Inc	17002 Miles Ave, Cleveland 28, Ohio	WY1-8272
Ohio	Charles H Armstrong Co	570 Livernois Ave, Ferndale 20, Mich	LI4-1305
Okla	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Ore	H E Hartley Co	Boeing Field, Box 81, Seattle 8, Wash	PA5-7120
Pa	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
Pa	E F Burke Inc	17002 Miles Ave, Cleveland 28, Ohio	WY1-8272
RI	George Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Tex	Griggs Co., Inc	2801 San Jacinto, Houston 4, Tex	
Utah	T C Jarrett Co	95 S. Ammons St, Denver 15, Colo	BE3-2333
Vt	George A Chutter	15 Exchange Pl, Jersey City 2, NJ	DE2-1700
Va	C E Barba Jr	10 N. Main St, Doylestown, Pa	FI8-9161
Wash	H E Hartley Co	Boeing Field, Box 81, Seattle 8, Wash	PA5-7120
W. Va	E F Burke Co., Inc	17002 Miles Ave, Cleveland 28, Ohio	WY1-8272
Wisc	R E Stemm, Chicago	123 S. Third St, Minneapolis 1, Minn	FE5-7172
Wisc	R E Stemm, Schack	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Canada	Amco Furnace Contractors Ltd	Disco Rd, Rexdale, Ontario, Canada	BU6-2741

HARPER-LEADER INC ..... **1046 S. Main St, Waterbury 20, Conn** **PL6-8164**

HARREL INC..... **1788 First Ave, New York, NY** **SA2-3683**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ark	Servo-Electronics Products Co	Box 13371, Dallas, Tex	FL1-4653
Cal	Meredith Engrg Associates	385 E. Green St, Pasadena, Cal	MU1-9957
Cal	Technicraft Co	6222 Ridge Ave, Phila 28, Pa	IV2-2323
Fla	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ga	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
Ill	Edward Magnuson Co	3349 N. Irving Park Rd, Chicago	JU8-2613
Ind	Edward Magnuson Co	3349 N. Irving Park Rd, Chicago 18, Ill	JU8-2613
Iowa	Edward Magnuson Co	3349 N. Irving Park Rd, Chicago 18, Ill	JU8-2613
Kan	Servo/Electronics Products Co	P. O. Box 13371, Dallas, Tex	FL1-4653
Md	Technicraft Co	6222 Ridge Ave, Phila 28, Pa	IV2-2323
Minn	Edward Magnuson Co	3349 N. Irving Park Rd, Chicago 18, Ill	JU8-2613
Mo	Technicraft Co	6222 Ridge Ave, Phila 28, Pa	IV2-2323
Okla	Servo/Electronics Products Co	Box 13371, Dallas, Tex	FL1-4653
Pa	Technicraft Co	6222 Ridge Ave, Phila 28, Pa	IV2-2323
Tex	Servo/Electronics Products Co	P. O. Box 13371, Dallas	FL1-4653
Wisc	Edward Magnuson Co	3349 N. Irving Park Rd, Chicago 18, Ill	JU8-2613

HARRINGTON & KING PERFORATING CO ..... **5655 W. Fillmore, Chicago 44, Ill**

HARRIS TRANSDUCER CORP ..... **Woodbury, Conn** **CO3-2116**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Conn	Lea Manufacturing Co	16 Cherry Ave, Waterbury 20, Conn	PL3-5116
Conn	Macalaster Bicknell of Conn	181 Henry St, New Haven 11, Conn	MA4-4191
Del	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
Fla	Robert J Kemp	3000 28th Ave, N., St. Petersburg, Fla	5-4764
Idaho	Northwestern Sales Co	2216 11th Ave, W., Seattle, Wash	AT2-4614
Ind	Shaw Brothers	2409 E. 38th St, Indianapolis, Ind	LI6-3125
Ky	Shaw Brothers	2409 E. 38th St, Indianapolis, Ind	LI6-3125
La	R E Salter	208 Sidney St, Houston, Tex	WA3-8720
Me	Macalaster Bicknell Co	243 Bwy at Windsor St, Cambridge, Mass	KI7-6933
Md	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
Mass	Macalaster Bicknell Co	243 Bwy at Windsor St, Cambridge, Mass	KI7-6933
Minn	Strong Engineering Inc	2211 Monroe, Dearborn, Mich	LO5-7155
Minn	John H Schneider & Associates	101 W. Dunwood Rd, Milwaukee, Wisc	FL2-6226
Nev	Macalaster Bicknell Co	243 Bwy at Windsor St, Cambridge, Mass	KI7-6933
NJ	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
NY	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
Ohio	Fred R Sharp Co	138 Lee Rd, Cleveland, Ohio	FA1-4200
Okla	R E Salter	208 Sidney St, Houston, Tex	WA3-8720
Ore	Northwestern Sales Co	2216 11th Ave, W., Seattle, Wash	AT2-4614
Pa	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
Pa	J B Milligan Co	7800 Edgewood Ave, Pittsburgh, Pa	EL1-3255
RI	Macalaster Bicknell Co	243 Bwy at Windsor, Cambridge, Mass	KI7-6933
Tex	R E Salter	208 Sidney St, Houston, Tex	WA3-8720
Vt	Macalaster Bicknell Co	243 Bwy at Windsor, Cambridge, Mass	KI7-6933
Va	J P Deane & Co	103 William St, Boonton, NJ	DE4-4848
Wash	Northwestern Sales Co	2216 11th Ave, W., Seattle, Wash	AT2-4614
W. Va	J B Milligan Co	7800 Edgewood Ave, Pittsburgh, Pa	EL1-3255
Wisc	John H Schneider & Associates	101 W. Dunwood Rd, Milwaukee, Wisc	FL2-6226

HARRISON LABORATORIES INC ... **45 Industrial Rd, Berkeley Heights, NJ** **CR3-9123**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Ark	Ecklund Electronic Sales Co	P.O. Box 12151, Ft. Worth, Tex	PE8-9773
Cal	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Cal	Moxon Electronics Corp	15 W. 41st Ave, San Mateo, Cal	FI5-7961
Cal	Moxon Electronics Corp	4434 Ingraham St, San Diego, Cal	HU8-2901
Colo	Scientific Instrument	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Del	Brimberg Associates	221-5 Investment Bldg, Washington 5, DC	DE2-8000
DC	Brimberg Associates	221-5 Investment Bldg, Washington 5, DC	DE2-8000
Hawaii	Kentron Hawaii Ltd	1140 Waimann St, Honolulu, Hawaii	53-975
Ill	Essanen Co	607 Howard St, Evanston, Ill	GR5-6815
Ind	Essanen Co	607 Howard St, Evanston, Ill	GR5-6815
Ky	Dayton Associates	4924 Zula Ave, Cincinnati 38, Ohio	BL1-2349
La	Ecklund Electronic Sales Co	P.O. Box 12151, Ft. Worth, Tex	PE8-9773
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	
Md	Brimberg Associates	221-5 Investment Bldg, Washington 5, DC	DE2-8000
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mass	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Mich	Anderson Electronics Co	19364 James Couzens Hwy, Detroit	DI1-2332
Nev	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
NY	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NY	SBM Associates Inc	969 Clinton Ave, S., Rochester, NY	GR3-6506
NY	SBM Associates Inc	9 Highland Ave, Albany 5, NY	HE8-5381
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Ohio	Dayton Associates	4924 Zula Ave, Cincinnati 38, Ohio	BL1-2349
Ohio	Dayton Associates	3017 Snow Rd, Cleveland 34, Ohio	YE2-6655
Okla	Ecklund Electronic Sales Co	P.O. Box 12151, Ft. Worth, Tex	PE8-9773
Pa	G Curtis Engle & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
Pa	Dayton Associates	3017 Snow Rd, Cleveland 34, Ohio	YE2-6655
RI	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Tex	Ecklund Electronic Sales Co	P.O. Box 12151, Ft. Worth, Tex	PE8-9773
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Vt	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Va	Brimberg Associates	221-5 Investment Bldg, Washington 5, DC	DE2-8000
W. Va	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Wisc	Essanen Co	607 Howard St, Evanston, Ill	GR5-6815
Wyo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777

HARSHAW CHEMICAL CO ..... **1945 E. 97th St, Cleveland 6, Ohio** **RA1-8300**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Harshaw Chemical Co	3237 S. Garfield Ave, Los Angeles 22, Cal	RA3-3161
Ill	Harshaw Chemical Co	4925 S. California Ave, Chicago 32, Ill	RE7-1008
Mich	Harshaw Chemical Co	9240 Hubbell Ave, Detroit 28, Mich	VE6-6300
NY	Zinsser Div Harshaw Chemical Co	Hastings-On-Hudson 6, NY	GR8-1400
Ohio	Harshaw Chemical Co	6265 Wiehe Rd, Cincinnati 13, Ohio	RE1-9100
Pa	Harshaw Chemical Co	Jackson & Swanson Sts, Phila 48, Pa	HO2-4700
Pa	Harshaw Chemical Co	Ft. Duquesne Blvd, Pittsburgh 22, Pa	AT1-7930
Tex	Harshaw Chemical Co	6622 Supply Row, Houston 11, Tex	WA3-1627

HART MFG CO ..... **242 Bartholomew Ave, Hartford 1, Conn** **JA5-3491**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	J P Armstrong	Hamilton Natl Bk Bldg, Chattanooga, Tenn	6-1931
Ariz	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Ark	Standard Parts & Equipment Corp	P.O. Box 4506, Fort Worth, Tex	ED6-2521
Cal	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Conn	Jewett F Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
Del	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Chris Small	P.O. Box 1346, Orlando, Fla	GA4-2071
Ga	J P Armstrong	Hamilton Natl Bk Bldg, Chattanooga, Tenn	6-1931
Ill	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
Ind	A E Dusseau	2457 Woodward Ave, Detroit 1, Mich	WO2-6100
Iowa	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
Kan	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
Ky	A E Dusseau	2457 Woodward Ave, Detroit 1, Mich	WO2-6100
La	Standard Parts & Equipment Corp	P.O. Box 4506, Ft. Worth, Tex	ED6-2521
Me	Jewett F. Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Jewett F Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
Mich	A E Dusseau	2457 Woodward Ave, Detroit 1, Mich	WO2-6100
Minn	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
Mo	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
NH	Jewett F Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
NJ	Frank E Barranco	Graybar Bldg, New York, NY	LE2-0381
NM	Standard Parts & Equipment Corp	P.O. Box 4506, Fort Worth, Tex	ED6-2521
NY	Frank E Barranco	Graybar Bldg, New York, NY	LE2-0381
NC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Ohio	V C Jones	P.O. Box 241, Grand River, Ohio	EL7-7541
Okla	Standard Parts & Equipment Corp	P.O. Box 4506, Fort Worth, Tex	ED6-2521
Ore	H D Campbell	220 Ninth, N., Seattle, Wash	MA4-3252
Pa	Frank E Barranco	1434 Land Title Bldg, Philadelphia, Pa	LO3-5386
Pa	V C Jones	P.O. Box 241, Grand River, Ohio	EL7-7541
RI	Jewett F Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
SC	J P Armstrong	Hamilton Natl Bk Bldg, Chattanooga, Tenn	6-1931
Tenn	J P Armstrong	Hamilton Natl Bk Bldg, Chattanooga	6-1931
Tex	Standard Parts & Equipment Corp	P.O. Box 4506, Fort Worth, Tex	ED6-2521
Vt	Jewett F Schrumm	74 Carol Dr, Cheshire, Conn	BR2-8509
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
W. Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wisc	Jerry U Willman	605 W. Washington Blvd, Chicago, Ill	AN3-4350
Foreign	Masten-Wright Corp	P.O. Box 1896, Hamden, Conn	AT8-1638

HARTFORD CITY PAPER CO..... **S. Spring St, Hartford City, Ind**..... **2057**

HARTLEY PRODUCTS CO..... **521 E. 162 St, New York 51, NY** **LU5-4239**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Ariz	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
Cal	Hartley Products Co	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
Colo	Hartley Products Co	P.O. Box 46491 Los Angeles 46, Cal	OL3-1782
Ga	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
La	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Mich	Hartley Products Co	397 W. 21st St, Holland, Mich	EX6-6209
Miss	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Mont	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
Nev	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
NM	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
NC	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Ohio	Bruce Hagen	1079 Juneau, Akron, Ohio	TE6-6419
Ore	Hartley Products	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
SC	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Tenn	Wm Gray & Associates	1737 Beacon Hill Blvd, Atlanta 6, Ga	ME4-3227
Wash	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
Wyo	Hartley Products	P.O. Box 46491, Los Angeles 46, Cal	OL3-1782
Foreign	Tel-Tech Corp	431 Fifth Ave, New York, NY	MU3-2400
Canada	J J MacQuarrie	46 St. George St, Toronto, Ontario, Canada	

HARTWOOD GLASS & METALS CO.. **P. O. Box 865, Martinsburg, W. Va**

HARVEY HUBBELL INC..... **Stone St & Bostwick, Bridgeport 2, Conn** **ED3-1181**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	James E Heusser	312 Glynn Dr, Birmingham, Ala	VE3-0442
Cal	Harvey Hubbell Inc	1675 Hudson Ave, San Francisco, Cal	MI7-3240
Cal	Harvey Hubbell Inc	121 W. Elmyra St, Los Angeles, Cal	CA3-1167
Colo	Paul A Douden Co	1645 Wazee St, Denver 2, Colo	KE4-6798
Conn	John R Thomason	P.O. Box 125, Stepney, Conn	AM8-5453

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	Lester J Hartman	4911 Apache Ave, Jacksonville, Fla	EV8-2841
Fla	Rufus F Carpenter	3407 W. Ellicott, Tampa 3, Fla	RE7-1414
Ga	Harry W Shropshire	860 Barton Woods Rd, N.E., Atlanta 7	DR7-7345
Ill	Harvey Hubbell Inc	37 S Sangamon St, Chicago 7, Ill	MO6-3737
Ind	Gerald R Belden	3113 E. 38th St, Indianapolis, Ind	LI6-8857
Iowa	G Hollis Gentry	1101 Oakland Dr, Muscatine, Iowa	AM3-6494
Ky	Arthur E Schrepple	2804 Woodmont Dr, Louisville, Ky	GL1-4496
La	M Morris Rivera	1300 N. Broad St, New Orleans 19, La	GA1161
Md	Frank C Butts	2301 N. Charles St, Baltimore 18, Md	CH3-8290
Mass	Erwin R Cameron	54 Bouve Ave, Brockton, Mass	JU6-8397
Mass	William A Long	182 Summer St, Andover, Mass	GR5-2942
Mich	H Duane Miller	1724 Paul R St, S.E., Grand Rapids, Mich	CH5-1467
Mich	D A Nesbitt	28272 Sunseb Dr, Lathrup Village, Mich	EL6-2625
Minn	Fred L Larson	Rt 3, Box 305, Wayzata, Minn	GR7-2220
Minn	Eugene W Oveson	P.O. Box 377, Rt 3, Mound, Minn	GR2-2230
Mo	G Raymond Plancon	627 E. 43rd Terr, N., Kansas City, Mo	GL2-6175
Mo	William E Rogers	4617 Shenandoah St, St. Louis 10, Mo	MO4-6487
NJ	James A Kennedy	15 Claremont Dr, Short Hills, NJ	DR9-3078
NJ	Robert J Hoonhout	115 Westview Rd, Upper Montclair, NJ	PI4-4035
NY	Harvey Hubbell Inc	11-15 Park Pl, New York 7, NY	BA7-2657
NY	Donald W Lewis	348 Forest Hill Dr, Syracuse 6, NY	HO3-3106
NY	Edward A Rucci	22 Timberland Dr, Loudonville 11, NY	UN9-8854
NC	Franklin T Hall	1232 Westover Terr, Greensboro, NC	BR5-7927
NC	George F Latimer	4825 Providence Rd, Charlotte 7, NC	EM6-2451
Ohio	John J Beels	95 Ceramic Dr, Columbus 14, Ohio	AM3-4191
Ohio	George H Swilling	12921 Chippewa Rd, Brecksville, Ohio	JA6-3380
Ohio	William H Teegardin	7401 N. Timberlane Dr, Cincinnati 43	LO1-6931
Okla	Harold B Lever	2700 Elmhurst, Oklahoma City 16, Okla	VI3-9355
Ore	G H A Gustafson	1220 S. W. Stark St, Portland, Ore	CA7-1990
Ore	David King	1220 S. W. Stark St, Portland, Ore	CA7-1990
Pa	Louis Harbrecht	54 Red Rose Way, Levittown, Pa	WI5-8795
Pa	Lester P Reed	3114 Yale Ave, Camp Hill, Pa	RE7-9334
Pa	Marshall F Root	3208 Martin Ln, Pittsburgh, Pa	TE5-8751
RI	Arthur R Newman	58 Firglade Dr, Cranston 10, RI	WI2-2327
Tex	J D Martin Co	1111 Dragon St, Dallas 7, Tex	RI1-3472
Va	Frank E Parker	3001 E. Parkdale Rd, Richmond 35, Va	BE2-8853
Wash	Frank A Strohecker	2207 First Ave, S., Seattle, Wash	MA3-0357
Wisc	John F Nolan	8804 W. Capitol Dr, Milwaukee 22, Wisc	HO4-6332

	HARVEY-WELLS ELECTRONICS INC	North St, Southbridge, Mass	P04-4361
Ariz	Ensa Corp	5919 W. Third St, Los Angeles 36, Cal	WE4-1144
Ark	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM6-8306
Cal	Ensa Corporation	5919 W. Third St, Los Angeles 36, Cal	WE4-1144
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Del	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
DC	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Ill	Essanen Co	607 Howard St, Evanston, Ill	
Ind	Essanen Co	607 Howard St, Evanston, Ill	
La	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM6-8306
Me	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mich	Essanen Co	607 Howard St, Evanston, Ill	
NH	Technical Instruments, Inc	90 Main St, Reading, Mass	RE2-3930
NJ	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
NM	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM6-8306
NY	Technical Instruments inc	916 Liverpool Rd, Liverpool, NY	OL2-2534
NY	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
NC	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Okla	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM6-8306
Pa	Valley Forge Associates	Anro Building, Devon, Pa	MU8-5103
RI	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Tex	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM6-8306
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Wisc	Essanen Co	607 Howard St, Evanston, Ill	
Foreign	Telesco International Corp	36 W. 40th St, New York 18, NY	PE6-2165

	HARWORTH MFG CO	489 El Camino Real, Menlo Park, Cal	DA3-9965
Kan	Jensen Salsbery Co., Inc	21st at Pa, Kansas City, Mo	GR1-4080

	HASSALL INC., JOHN	Box 2242, Westbury, NY	ED4-6200
Ariz	Harold B Smith	2186 S. Atlantic Blvd, Los Angeles, Cal	AN1-2224
Ark	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-5797
Cal	Harold B Smith	2186 S. Atlantic Blvd, Los Angeles, Cal	AN1-2224
Conn	Robert M Whelan Co	P.O. Box 1131, Darien, Conn	OL5-0400
Del	Sanford & Co	221 Benson East, Jenkintown, Pa	TU7-8780
Ill	William H Grant	333 N. Michigan Ave, Chicago 1, Ill	AN3-2479
Ind	Robert B Stanihut	12760 Post Oak Rd, St. Louis 31, Mo	PA5-7793
Ind	Lee Hart	2930 Wicklow Dr, Toledo 6, Ohio	JE6-8561
Kan	Robert B Stanihut	12760 Post Oak Rd, St. Louis 31, Mo	PA5-7793
La	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-5797
Me	Robert M whelan Co	P. O. Box 1131, Darien, Conn	OL5-0400
Md	Sanford & Co	221 Benson, E., Jenkintown, Pa	TU7-8780
Mass	Robert M Whelan Co	P.O. Box 1131, Darien, Conn	OL5-0400
Mich	Robert B Ryan	Suite 212, Jaikins Blvd, Birmingham	JO6-3826
Minn	William H Grant	333 N. Michigan Ave, Chicago 1, Ill	AN3-2479
Mo	Robert B Stanihut	12760 Post Oak Rd, St. Louis 31, Mo	PA5-7793
Nev	Harold B Smith	2186 S. Atlantic Blvd, Los Angeles, Cal	AN1-2224
NH	Robert M Whelan Co	P.O. Box 1131, Darien, Conn	OL5-0400
NJ	Harry E Morton	972 Broad St, Newark, NJ	MA2-8094
NJ	Sanford & Co	221 Benson, E., Jenkintown, Pa	TU7-8780
NY	Jerome J Theobald Inc	9 E. Genesee St, Skaneateles, NY	OV5-5711
NY	John Hassall Inc	Westbury, NY	ED4-6200
Ohio	Lee Hart	2930 Wicklow Dr, Toledo 6, Ohio	JE6-8561
Okla	The Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-5797
Ore	A J Hanson & Co	Box 5101, Ballard Sta, Seattle 7, Wash	SU4-8030
Pa	Sanford & Co	221 Benson, E., Jenkintown, Pa	TU7-8780
Pa	Carl A Karthauser & Co	1502 Union Bank Bldg, Pittsburgh, Pa	AT1-9111
RI	Robert M Whelan Co	P.O. Box 1131, Darien, Conn	OL5-0400
Tex	The Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-5797
Vt	Robert M Whelan Co	P.O. Box 1131, Darien, Conn	OL5-0400
Wash	A J Hanson & Co	Box 5101, Ballard St, Seattle 7, Wash	SU4-8030
Wisc	William H Grant	333 N. Michigan Ave, Chicago 1, Ill	AN3-2479

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	HASTINGS PLASTICS INC	1551 12th St, Santa Monica, Cal	UP0-8503
Cal	Industrial Plastics & Chemicals	4425 Linden St, Oakland 8, Cal	OL8-4116

	HASTINGS-RAYDIST INC	Hampton 9, Va	PA3-6531
Ariz	Samuel O Jewett Co	45 W. First Ave, Scottsdale, Ariz	WH5-9711
Cal	Samuel O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Cal	King-Knight Co	360 Jefferson St, San Francisco 11, Cal	PR6-2700
Colo	Allen I Williams Co	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Joseph H Bertram Co., Inc	998 Farmington Ave, W. Hartford 7, Conn	AG3-9823
Fla	Leroy E Rogers Co	9 N. Highland Ave, Clearwater, Fla	36-8081
Ill	Sherertz Henderson Co	5707 W. Lake St, Chicago 44, Ill	
La	The Gay Sales Co., Inc	3424 Ropollo St, Baton Rouge, La	EL7-2423
Mass	Joseph H Bertram Co., Inc	570 Hillside Ave, Needham Hgts 94	HI4-7304
Mich	The Satullo Co	4512 W. Hoppward Ave, Royal Oak, Mich	JU6-2375
Mo	Bruce Greaves Co	8701 Antler Dr, St. Louis 17, Mo	PA6-2205
Mo	Barker & Foster Inc	3519 Troost Ave, Kansas City 9, Mo	LO1-9266
NM	Allen I Williams Co	3221 Silver Ave, S.E., Alburquerque, NM	AL5-9632
NY	George O Miller Co	639 S. Warren St, Syracuse 2, NY	HA2-5004
NY	Nickles Engineering Co	830 Linden Ave, Rochester 10, NY	LU6-4988
Ohio	The Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	IV1-6204
Ohio	The Satullo Co	7374 Reading Rd, Cincinnati 37, Ohio	JE1-3094
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Pa	Kurt J Lesker Co	4535 Vernon Ave, Pittsburgh 27, Pa	TU1-4666
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Tex	The Gay Sales Co., Inc	420 Sul Ross St, Houston, Tex	JA9-3479
Tex	The Gay Sales Co., Inc	6414 Walnut Hill Ln, Dallas 5, Tex	EM8-2325
Utah	Allen I Williams Co	320 E. Fourth, S., Salt Lake City, Utah	
Wash	Richard Legg Co	1565 Sixth Ave, S., Seattle 4, Wash	MU2-7764
Canada	Keith Mercer Co Ltd	5165 Sherbrooke St, W., Montreal 28, Que	HU4-8411
Canada	Keith Mercer Co Ltd	88 Eglinton Ave, E., Toronto 12, Ont	HU8-5831

	HATHAWAY INSTRUMENTS INC	5800 E. Jewell Ave, Denver 22, Colo	SK6-8301
Ala	Richard W Armil	1960 E. Lincoln, Birmingham, Mich	MI4-9004
Conn	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Del	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
DC	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Fla	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Ga	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Ill	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Ind	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Ky	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Me	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Md	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Mass	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Mich	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Minn	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Miss	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
NH	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
NJ	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
NY	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
NC	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Ohio	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Pa	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
RI	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
SC	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Tenn	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Vt	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Va	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
W. Va	Marvin J Fein	P.O. Box 28, Scarsdale, NY	GR2-0754
Wisc	Richard W Armil	1960 E. Lincoln Rd, Birmingham, Mich	MI4-9004
Canada	Bruce McGregor	P.O. Box 156, Sta H, Toronto 3, Ont, Can	OX9-5521

	HAUSSER & SON, C A	6040 Belfield Ave, Phila 44, Pa	GE8-8591

	HAVEG INDUSTRIES INC	900 Greenbank Rd, Wilmington 8, Del	WY6-2271

	HAWLEY PRODUCTS CO	St. Charles, Ill	

	HAYDON CO., A W	238 N. Elm St, Waterbury 20, Conn	PL6-4481
Ala	Aerol Associates Ind	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE7-4258
Ariz	TransDynamics Inc	4450 Lakeside Ave, Burbank, Cal	VI9-6262
Cal	TransDynamics Inc	4450 Lakeside Ave, Burbank, Cal	VI9-6262
Cal	TransDynamics Inc	2866 Fourth Ave, San Diego, Cal	CY8-8215
Cal	TransDynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Colo	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5586
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Fla	Aero Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE7-4258
Idaho	TransDynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Ill	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Ind	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Iowa	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Iowa	Automatic Gen Electronic Sales	6550 B Troost Ave, Kansas City, Mo	DE3-8206
Kan	Automatic Gen Electronic Sales	6550 B Troost Ave, Kansas City, Mo	DE3-8206
Me	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	Un4-4722
Mass	Aerol Associate Inc	850 Lexington St, Waltham, Mass	TW4-7850
Mich	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Minn	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Mo	Automatic General Electronic Sales	6890 Lackland Rd, St. Louis, Mo	HA8-3934
Neb	Automatic General Electronic Sales	6550 B Troost Ave, Kansas City, Mo	DE3-8206
Nev	TransDynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
NH	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
NJ	Aerol Associates, Inc	1180 Raymond Blvd, Newark, NJ	MA3-0336
NM	Automatic General Electronic Sales	6550 B Troost Ave, Kansas City, Mo	DE3-8206
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	Wilson H Zimmerman Inc	112 Dewitt St, Syracuse, NY	GR4-4889
NC	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE7-4258
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland, Ohio	EV1-9049
Ohio	C A Robinson Co	333 W. First St, Dayton, Ohio	BA2-0832
Okla	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas, Tex	LA1-7876

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ore	TransDynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
RI	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
Tenn	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE7-4258
Tex	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas, Tex	LA1-7876
Utah	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Vt	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
Va	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Wash	TransDynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Wisc	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago, Ill	SP7-4022
Wyo	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Foreign	R I Mendels Co	3 Captain's Ln, Rye, NY	SO6-3430
Canada	Philips Electronics Ind Ltd	116 Vanderhoof Ave, Toronto 17, Ont	HU5-8621

	HAYDON CORP	3815 9th Ave, New York 34, NY	LO9-2200
Conn	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	
Del	Wilfred Graham Associates	610 Latham Dr, Wynnewood, Pa	
DC	Wilfred Graham Associates	610 Latham Dr, Wynnewood, Pa	
Fla	World Wide Products Inc	Box 154, N. Miami Beach, Fla	
Ga	Phil Heller	609 W. 189th St, New York 40, NY	
Ind	Central Electronics Sales Co	19303 Fairport, Detroit 5, Mich	
Ky	Central Electronics Sales Co	19303 Fairport, Detroit 5, Mich	
Me	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	
Md	Wilfred Graham Associates	610 Latham Dr, Wynnewood, Pa	
Mass	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	
Mich	Central Electronics Sales Co	19303 Fairport, Detroit 5, Mich	
NH	Lou Cohen Co	102 Spring St, Passaic, NJ	
NJ	Wilfred Graham Associates	610 Latham Dr, Wynnewood, Pa	
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	
NC	Phil Heller	609 W. 189th St, New York 40, NY	
Ohio	Jim Chilcote Sales Co	636 Nesselwood Ave, Toledo 10, Ohio	
Pa	Wilfred Graham Associates	610 Latham Dr, Wynnewood, Pa	
Pa	Phil Heller	609 W. 189th St, New York 40, NY	
RI	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	
SC	Phil Heller	609 W. 189th St, New York 40, NY	
Tenn	Phil Heller	609 W. 189th St, New York 40, NY	
Vt	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	
Va	Martin & Dial Inc	1306 Vassar Rd, Richmond 29, Va	
W. Va	Phil Heller	609 W. 189th St, New York 40, NY	
Canada	Eric Jeanes	266 Aubrey St, Winnipeg 10, Man, Canada	
Canada	Ben Manis Associates Reg'd	5317 Prince of Wales, Montreal 29, Quebec, Canada	

	HAYDON DIV GENERAL TIME CORP	500 E. Elm St, Torrington, Conn	HU9-3158
Ariz	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Ark	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Cal	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Colo	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Conn	C N Benoit	Box 28, Pomfret, Conn	WA8-7277
Del	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FL2-5532
DC	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FL2-5532
Fla	Industrial Specialties Sales	Box 1335, Tampa, Fla	RE5-1480
Idaho	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Ill	E L Massa	6027 Northwest Hwy, Chicago 31, Ill	NE1-2722
Ill	S S Jackson	902 Fed Res Bank Bldg, Cincinnati, Ohio	GA1-3366
Ind	E L Massa	6027 Northwest Hwy, Chicago, Ill	NE1-2722
Iowa	E L Massa	6027 Northwest Hwy, Chicago, Ill	NE1-2722
Kan	S S Jackson	6653 Enright Ave, St. Louis, Mo	VO3-4454
Ky	S S Jackson	6653 Enright Ave, St. Louis, Mo	VO3-4454
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Me	C N Benoit	Box 28, Pomfret, Conn	WA8-7277
Md	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FL2-5532
Mass	C N Benoit	Box 28, Pomfret, Conn	WA8-7277
Mich	W C Schneider	3717 Lee Rd, Cleveland, Ohio	LO1-0913
Mich	A L Byman	3132 N. Lovers Ln Rd, Milwaukee, Wisc	SL8-4670
Minn	A L Byman	738 Northwestern Bank Bldg, Minneapolis	FE6-6218
Miss	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Mo	S S Jackson	6653 Enright Ave, St. Louis, Mo	VO3-4454
Mont	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Neb	A L Byman	738 Northwestern Bank Bldg, Mnpls, Minn	FE6-6218
Nev	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
NH	C N Benoit	Box 28, Pomfret, Conn	WA8-7277
NJ	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FL2-5532
NM	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
NY	L E Schoonmaker	520 Fifth Ave, New York, NY	MU7-5130
NY	G W Horner	Henrietta St, Rochester, NY	HE777
ND	A L Byman	738 Northwestern Bank Bldg, Mnpls, Minn	FE6218
Ohio	W C Schneider	3717 Lee Rd, Cleveland, Ohio	LO1-0913
Ohio	S S Jackson	6653 Enright Ave, St. Louis, Mo	VO3-4454
Okla	Electrical Wholesalers	2001 Griffin St, Dallas 4, Tex	RI3657
Ore	C W Cummings	1213 N. Highland Ave, L A 38, Cal	FE6-6218
Pa	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FI2-5532
Pa	W C Schneider	3717 Lee Rd, Cleveland, Ohio	LO1-0913
RI	C N Benoit	Box 28, Pomfret, Conn	WA8-7277
SD	A L Byman	738 Northwestern Bank Bldg, Mnpls, Minn	FE6-6218
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Tex	Electrical Wholesalers	2001 Griffin St, Dallas 4, Tex	RI3657
Utah	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Vt	C N Benoit	Box 28, Pomfret, Conn	
Va	H R Seiber	46 Garrett Rd, Upper Darby, Pa	FL2-5532
Wash	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
W. Va	S S Jackson	902 Fed Res Bank Bldg, Cincinnati, Ohio	GA1-3366
Wyo	C W Cummings	1213 N. Highland Ave, L A 38, Cal	HO2-2780
Wisc	A L Byman	738 Northwestern Bank Bldg, Mnpls, Minn	FE6-6218

	HAYDON INSTRUMENT CO	165 W. Liberty St, Waterbury, Conn	PL6-2211

	HAYDON SWITCH INC	536 S. Leonard St, Waterbury 20, Conn	PL6-7441
Ala	Aerol Associates	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE3-1330
Ariz	TransDynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	TransDynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	TransDynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Cal	TransDynamics Inc	2866 Fourth Ave, San Diego 3, Cal	CY8-8215
Colo	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Conn	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Aerol Associates	820 Park Ave, Bloomfield, Conn	CH2-5586
Del	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
DC	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Fla	Aerol Associates	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates	361 E. Paces Ferry Rd, N.E., Atlanta, Ga	CE3-1330
Idaho	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Ill	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Ind	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Iowa	Caine Electronic Sales	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Iowa	Automatic General Electronic Sales	6550 B. Troost Ave, Kansas City 10, Mo	DE3-8206
Kan	Automatic General Electronic Sales	6550 B. Troost Ave, Kansas City 10, Mo	DE3-8206
Me	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Mich	Caine Electronic Sales Co	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Minn	Caine Electronic Sales	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Mo	Automatic General Electronic Sales	8890 Lackland Rd, St. Louis 14, Mo	HA8-3934
Neb	Automatic General Electronic Sales	6550 B. Troost Ave, Kansas City 10, Mo	DE3-8206
Nev	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
NH	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650
NJ	Aerol Associates	1180 Raymond Blvd, Newark 2, NJ	MA3-0336
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MU2-9100
NM	Automatic General Electronic Sales	6550 B. Troost Ave, Kansas City 10, Mo	DE3-8206
NY	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	W H Zimmerman Inc	112 Dewitt St, Syracuse 3, NY	GR4-4889
NC	Aerol Associates	361 E. Paces Ferry Rd N E, Atlanta 5, Ga	CE3-1330
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland 21, Ohio	EV1-9049
Ohio	C A Robinson Co	333 W. First St, Dayton 2, Ohio	BA2-0832
Okla	Automatic General Electronic Sales	3924 Mockingbird Ln, Dallas, Tex	LA1-7676
Ore	TransDynamics Inc	1215 Poplar Pl, Seattle 44, Wash	EA4-0366
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MU2-9100
RI	Aerol Associates	950 Lexington St, Waltham, Mass	TW4-7850
SC	Aerol Associates	361 E. Paces Ferry Rd N E, Atlanta 5, Ga	CE3-1330
Tenn	Aerol Associates	361 E. Paces Ferry Rd N E, Atlanta 5, Ga	CE3-1330
Tex	Automatic General Electronic Sales	3924 Mockingbird Ln, Dallas, Tex	LA1-7676
Utah	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Vt	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650
Va	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Wash	TransDynamics Inc	1215 Poplar Pl, Seattle 44, Wash	EA4-0366
W. Va	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Wisc	Caine Electronic Sales	4120 W. Lawrence Ave, Chicago 30, Ill	SP7-4022
Wyo	TransDynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Canada	Philips Electronics Ind Ltd	116 Vanderhoof Ave, Toronto 17, Ont	HU5-8621

	HAYES INC, C I	**875 Wellington Ave, Cranston 10, RI**	**HO1-3400**
Ariz	Southwest Machine Tool Corp	P.O. Box 1326, Phoenix, Ariz	AL3-4197
Cal	Larry Wagner	112 Laurier Ave, San Jose 12, Cal	CL8-2641
Ill	Melvin A Schreckengost	2112 Harding Ave, Waukegan, Ill	CH4-0628
Ill	Gordon Wheeler	322 S Spring Ave, LaGrange, Ill	FL2-8181
Mass	Edward F Mooney	20 Fairhaven Rd, Concord, Mass	EM9-9522
Mich	Hopkerry & McCarty Co	202 Forest Ave, Royal Oak, Mich	LI1-2769
Minn	Foundry Supply Co	650-25th Ave, S.E., Minneapolis, Minn	FE9-0231
Mo	Industrial Combustion Co	8114 Rosaline Ave, St. Louis 17, Mo	MI7-4517
NJ	Howard F Brennan	15 Greenoaks Rd, Cedar Grove, NJ	CE9-0001
NY	Clair H Few	121 Wheeler St, Tonawanda, NY	JA3029
NC	William K Hale	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ohio	E F Burke Inc	17002 Euclid Ave, Cleveland 28, Ohio	WY1-8272
Ohio	E F Burke Inc	30549 Harvard Ave, Chagrin Falls, Ohio	TE1-8038
Pa	John E Betza	205 Empire Bldg, Pittsburgh 22, Pa	CO1-2002
Pa	Frank F Sahms Co	419 Twickenham Rd, Glenside, Pa	TU4-2599
RI	Stanley S Winters	20 Oak Hill Ave, Warwick, RI	RE7-3314
Tenn	R E Gardner Co	P.O. Box 9305, Nashville 4, Tenn	AL5-0621
Tex	Wright Industrial Products	5738 N. Central Expwy, Dallas, Tex	TA4-2571
Tex	Dolan Industrial Sales Inc	P.O. Box 18513, Houston 23, Tex	WA3-7648
Wash	D L Snell Mfg Co	113 King St, Seattle 4, Wash	MA3-8260
Canada	Williams & Wilson Ltd	544 Inspector St Montreal 3 P.Q., Canada	UN5-2851
Canada	Williams & Wilson Ltd	71 Front St, Toronto, Ontario, Canada	EM3-8731

	HAYNES STELLITE CO UCC	**1020 W. Park Ave, Kokomo, Ind**	**GL2-5421**
Ariz	Premmco Inc of Arizona	3217 E. Washington St, Phoenix, Ariz	
Ark	George J Fix Co	1901 S. Good Latimer Expwy, Dallas 10, Tex	
Cal	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Cal	Premmco of Northern California Inc	P.O. Box 142, Alameda, Cal	
Cal	Union Carbide Corp	2770 Leonis Blvd, Los Angeles 58, Cal	LU3-3061
Colo	Premmco Inc of Arizona	3217 E. Washington St, Phoenix, Ariz	
Del	Towle Industrial Corp	402 Bethlehem Pike, Philadephia 18, Pa	
DC	Towle Industrial Corp	402 Bethlehem Pike, Philadephia 18, Pa	
Fla	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Ga	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Hawaii	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Idaho	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Ill	S W Anderson Co	314 Circle Ave, Forest Park, Ill	
Ill	B C MacDonald Co	3829 W. Pine Blvd, St Louis 8, Mo	
Ill	Union Carbide Corp	230 N. Michigan Ave, Chicago 1, Ill	FI6-3300
Ind	S W Anderson Co	314 Circle Ave, Forest Park, Ill	
Iowa	S W Anderson Co	314 Circle Ave, Forest Park, Ill	
Iowa	B C MacDonald & Co	3829 W. Pine Blvd, St Louis 8, Mo	
Kan	B C MacDonald & Co	3829 W. Pine Blvd, St Louis 8, Mo	
Ky	Industrial Distributors Inc	3136 W. 25th St, Cleveland 4, Ohio	
La	George J Fix Co	Dallas, Tex	
Me	B B Morgan Jr	P.O. Box 443, Chelmsford, Mass	
Md	Towle Industrial Corp	Philadelphia, Pa	
Mass	B B Morgan Jr	Chelmsford, Mass	
Mich	Hodgson-Geisler Products Co	18917 James Couzens Hwy, Detroit 35, Mich	
Minn	S W Anderson Co	314 Circle Ave, Forest Park, Ill	
Miss	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Mo	B C MacDonald & Co	3829 W. Pine Blvd, St Louis 8, Mo	
Mont	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Neb	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Neb	B C MacDonald & Co	3829 W. Pine Blvd, St Louis 8, Mo	
Nev	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
NH	B B Morgan Jr	P.O. Box 443, Chelmsford, Mass	
NJ	Howard O Haas	P.O. Box 98, S. Richmond Hill Sta, Jamaica, NY	
NM	Premmco of Arizona Inc	3217 E. Washington St, Phoenix, Ariz	
NY	Union Carbide Corp	270 Park Ave, New York 17, NY	LL1-2345
NY	Howard O Haas	P.O. Box 98, S. Richmond Hill Sta, Jamaica, NY	
NY	Charles M Simmons	1 Franklin Ave, White Plains, NY	
NY	John M Oswald	520 Granite Bldg, Rochester 4, NY	
NC	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Ohio	Industrial Distributors Inc	3126 W. 25th St, Cleveland 4, Ohio	
Ohio	Hodgson-Geisler Products Co	18917 James Couzens Hwy, Detroit 35, Mich	
Ohio	Union Carbide Corp	1300 Lakeside Ave, Cleveland 14, Ohio	MA1-4204
Okla	George J Fix Co	1901 S. Good Latimer Expwy, Dallas, Tex	
Ore	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Pa	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 8, Pa	
Pa	Industrial Distributors Inc	3126 W. 25th St, Cleveland, Ohio	
RI	B B Morgan Jr	Chelmsford, Mass	
SC	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
SD	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Tenn	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Tex	George J Fix Co	Dallas, Tex	
Tex	Premmco Inc	5470 Valley Blvd, Los Angeles, Cal	
Tex	Union Carbide Corp	3839 N. Alabama St, Houston 27, Tex	MO7-5641
Utah	Premmco of Arizona Inc	3217 E. Washington St, Phoenix, Ariz	
Vt	Charles M Simmons	1 Franklin Ave, White Plains, NY	
Va	Towle Industrial Corp, 402 Bethlehem Pike, Philadelphia 18, Pa		
Wash	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
W. Va	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	
W. Va	Industrial Distributors Inc	3126 W. 25th St, Cleveland, Ohio	
Wisc	S W Anderson Co	314 Circle Ave, Forest Park, Ill	
Wyo	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Foreign	Resources & Facilities Corp	60 E. 42nd St, New York 17, NY	

	HAZELTINE CORP	**59-25 Little Neck Pkwy, Little Neck, NY**	**FA1-2300**
	HEATH CO, A SUB OF DAYSTROM INC	**Benton Harbor, Mich**	**YU3-3961**
	HEATRON INC	**333 Eberts Ln, York, Pa**	**6230**
Cal	Sales Engineering Service	253 N. Fair Oaks Ave, Pasadena, Cal	RY1-2178
Ill	Paul Wilson	1020 S. Wabash Ave, Chicago 5, Ill	WA2-8853
NJ	David Snow	111 Glen Ave, Millburn, NJ	DR6-1470
NY	David Snow	233 Broadway, New York, NY	DI9-0027
Pa	Control Equip Distributors	P.O. Box 10921, Pittsburgh 36, Pa	TU4-3494
	HEILAND DIV MINNEAPOLIS-HONEYWELL REGULATOR CO	**5200 E. Evans Ave, Denver 22, Colo**	**SK6-3681**
	Sales offices: See Minneapolis-Honeywell Regulator Co		
	HEINEMANN ELECTRIC CO	**150 Plum St, Trenton 2, NJ**	**EX4-1191**
Ala	The Gearhart Co	512 N. 18th St, Birmingham, Ala	
Ariz	William Gennoott Co	221 E. Camelback Rd, Phoenix, Ariz	CR7-1662
Cal	Don Porter Co	1117 S. Robertson Blvd, Los Angeles 35	BR2-4263
Cal	Campbell & George	1601 Cortland Ave, San Francisco, Cal	MI8-1236
Colo	Paul A Douden & Co	1645 Wazee St, Denver 2, Colo	TA5-6894
Ga	The Gearhart Co	The Gearhart Building, Atlanta 9, Ga	CE3-4431
Ill	Ellman & Zuckerman	13 S. Jefferson St, Chicago, Ill	CE6-3905
La	Glidden Engineering & Equipment Co	P.O. Box 4063, New Orleans 18, La	KE7-0641
Md	Leo T McCourt Co	610 Washington Ave, Baltimore, Md	VA3-3455
Mass	Electrical Apparatus Co	1200 Soldiers Field Rd, Boston 34, Mass	ST2-7440
Mich	George R Horne & Co	22187 W. Michigan Ave, Dearborn 7, Mich	LO1-1360
Minn	Harry P Smith	512 Nicollet Bldg, Minneapolis 2, Minn	FE5-8327
Mo	Jul Zieger	5822 Macklind Ave, St Louis 9, Mo	FL2-8191
NJ	Ballow Inc	51 N. Broad St, Ridgewood, NJ	GI4-6990
NJ	Kruegner Sales Co	234 E. Hanover St, Trenton 8, NJ	EX2-5166
NY	Vincent J Brown Co	564 Ellicott Square Bldg, Buffalo 3, NY	CL1122
NY	Vincent J Brown Co	P.O. Box 142 Eastwood Sta, Syracuse 6, NY	HO3-9161
Ohio	O H Bromberg & Associates	561 Reading Rd, Cincinnati 2, Ohio	DU1-5728
Ohio	Brown Electrical Equipment Co	1900 Euclid Ave, Cleveland 15, Ohio	TO1-0114
Ore	Marshall B James	2941 N.W. Quimby, Portland 10, Ore	
Pa	Brown Electrical Equipment Co	311 Ross St, Pittsburgh 19, Pa	AT1-2142
Tenn	Southland Sales Agents	1032 Falls Bldg, Memphis 1, Tenn	JA7-2935
Tenn	Southland Sales Agents	715 Murfreesboro Rd, Nashville 10, Tenn	AL4-1948
Tex	Glidden Engineering & Equipment Co	4924 Greenville Ave, Dallas, Tex	EM8-4851
Tex	Glidden Engineering & Equipment Co	3802 Winchester St, Houston 3, Tex	CA4-6471
Wash	Northwestern Agencies	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee 9, Wisc	CO4-1060
Canada	Douglas T Shaw	2340 Lucerne Rd, Montreal 16, Quebec	RI8-7010
Canada	F D Bolton Ltd	926 Hastings St, Vancouver, British Col	MU3-5658
Foreign	A G Jorgenson (Pty.) Ltd	1 Long St, Booysens, Johannesberg, Union of S A	
	HEINZ-MUELLER ENGINEERING CO., INC	**4725 Iowa St, Chicago 51, Ill**	**ES8-4761**
	HEINZE ELECTRIC CORP	**685 Lawrence St, Lowell, Mass**	
	HELCO PRODUCTS CORP	**7832 Balboa Blvd, Van Nuys, Cal**	**TR3-2766**
	HELDOR MFG CORP	**238 Lewis St, Paterson, NJ**	**AR1-0900**
Conn	Cortland Campbell	P.O. Box 83, Winchester, Mass	
Fla	Johnson Associates	Hwy 17-92 Casselberry, Fla	
Ill	F B Tatro & Associates	6022 N. Rogers, Chicago, Ill	
Ind	F B Tatro & Associates	6022 N. Rogers, Chicago, Ill	
Me	Cortland Campbell	P.O. Box 83, Winchester, Mass	
Md	John Orsi & Associates	P.O. Box 346, Bryn Mawr, Pa	
Mass	Cortland Campbell	P.O. Box 83, Winchester, Mass	
Mich	T A Staff Associates	1213 W. Third St, Cleveland, Ohio	
NH	Cortland Campbell	P.O. Box 83, Winchester, Mass	
NJ	Ray Walher	24 W. Rd, Short Hills, N J	
NY	William Walher	24 W. Rd, Short Hills, N J	
Ohio	R A Staff Co	1213 W. Third St, Cleveland, Ohio	
Pa	John Orsi & Associates	P.O. Box 346, Bryn Mawr, Pa	
RI	Cortland Campbell	P.O. Box 83, Winchester, Mass	
Vt	Cortland Campbell	P.O. Box 83, Winchester, Mass	
Va	John Orsi & Associates	P.O. Box 346, Bryn Mawr, Pa	
Wisc	F B Tatro & Associates	6022 N. Rogers, Chicago, Ill	

	HELI-COIL CORP	**Shelter Rock Ln, Danbury, Conn**	**PI3-7651**
Ala	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	
Alaska	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	
Canada	R O R Associates Ltd	1470 Don Mills Rd, Toronto, Ont, Canada	HI4-4429
Canada	R O R Associates Ltd	3333 Cavendish Rd, NDG, Montreal, Can	HU1-0700
	HELIPOT DIV BECKMAN INSTRUMENTS INC	**2500 Fullerton Rd, Fullerton, Cal**	**TR1-4848**
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-6781
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525 Fifth Ave, San Diego, Cal	CY8-8234
Colo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Eltron Engineering Sales Co	2345 Whitney Ave, Hamden, Conn	AT8-9276
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Ft. Myers, Fla	WE6-2181
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Ill	Roy J Magnuson	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Mass	Eltron Engineering Sales Co	246 Walnut St, Newtonville 60, Mass	DE2-6975
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Roy J Magnuson	1359 W. Maynard Dr, St. Paul, Minn	MI6-7943
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
NJ	Helipot Div Beckman Instr Inc	US Hwy 22 at Summit Rd, Mountainside	AD2-7600
NJ	Angus-Sloane Associates	Rt 3, Moorestown, NJ	BE5-1900
NM	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	E A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4940
NY	E A Ossmann & Associates	2363 James St, Syracuse, NY	HE7-6446
NY	E A Ossmann & Associates	149 Front St, Vestal, NY	ST5-0296
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	HI2-6873
Ohio	Sheridan Associates Inc	Roselawn Center Bldg, Cincinnati 37	ME1-2460
Ohio	Sheridan Associates Inc	Box 7486, Cleveland 30, Ohio	TU4-8060
Ohio	Sheridan Associates Inc	4217 N. Main, Dayton 5, Ohio	CR7-7212
Ore	Samuel N Stroum Co	6224 E. Burnside, Portland 15, Ore	CA7-5809
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Utah	Allen I Williams Co	320 E. 4th S., Salt Lake City, Utah	EM4-6844
Va	Angus-Sloane Associates	109 S. Royal St, Alexandria, Va	TE6-0302
Va	Bivins & Caldwell Inc	1219 High Point Ave, Richmond, Va	EL5-7931
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
	HELKO PRODUCTS CO., INC	**243 W. 55 St, New York City, NY**	**PL7-3050**
	HELLER CO., GERALD K	**2673 Western St, S. Las Vegas, Nev**	**DU2-4501**
	HELLER ROBERTS MFG CORP	**700 Jamaica Ave, Brooklyn 8, NY**	**MI7-4600**
	HELWIG CO	**2550 N. 30th St, Milwaukee 10, Wisc**	**HI2-7755**
Ala	C C Schoen, G L Schoen	500 Means St, N.W., Atlanta, Ga	JA5-2707
Ariz	H W Kuntz	2132 W. Encanto Blvd, Phoenix, Ariz	AL4-1665
Ark	J H Cole	1825 W. Main St, Oklahoma City, Okla	CE2-3171
Cal	L M Alchimisti	2505 Mariposa St, San Francisco, Cal	HE1-4034
Cal	F S Fletcher	4150 S. Main St, Los Angeles, Cal	AD3-5203
Colo	M G Mueller	1646 Blake St, Denver, Colo	CH4-4425
Fla	C C Schoen, G L Schoen	500 Means St, N.W., Atlanta, Ga	JA5-2707
Ga	C C Schoen, G L Schoen	500 Means St, N.W., Atlanta, Ga	JA5-2707
Idaho	J R Christensen	247 E. 5th S., Salt Lake City, Utah	EM3-4419
Ill	T R Grutza	605 W. Washington, Chicago, Ill	FR2-4743
Ill	E A Steker	9308 Beverly Pl, Wauwatosa, Wisc	SP4-0196
Ind	R B Colby	P.O. Box 1538, Indianapolis, Ind	AT3-5604
Iowa	H O Hale	2119 S. 61st St, Omaha, Neb	WA9431
La	W S McCray	418 Gingham Ln, Houston, Tex	HO8-1166
Mich	L H Dickelman	18450 Livernois Ave, Detroit, Mich	UN4-4376
Minn	G R Holden	1208 Harmon Pl, Minneapolis, Minn	FE6-5353
Miss	C C Schoen, G L Schoen	500 Means St, N.W., Atlanta, Ga	JA5-2707
Mont	J R Christensen	247 E. 5th S., Salt Lake City, Utah	EM3-4419
Neb	H O Hale	2119 S. 61st St, Omaha, Neb	WA9431
ND	G R Holden	1208 Harmon Pl, Minneapolis, Minn	FE6-5353
Okla	J H Cole	1825 W. Main St, Oklahoma City, Okla	CE2-3171
Ore	H E Perkins	422 N.W. 8th Ave, Portland, Ore	CA6-3286
SD	G R Holden	1208 Harmon Pl, Minneapolis, Minn	FE6-5353
Tex	W S McCray	418 Gingham Ln, Houston, Tex	HO8-1166
Utah	J R Christensen	247 E. 5th S., Salt Lake City, Utah	EM3-4419
Wyo	M G Mueller	1646 Blake St, Denver, Colo	CH4-4425
	HEMINWAY & BARTLETT MFG CO	**500 5th Ave, New York 36, NY**	**LO4-0880**
Cal	Smith & Hunt	946 S. Main St, Los Angeles 15, Cal	
Cal	Smith & Hunt	585 Howard St, San Francisco 5, Cal	
Conn	Donald Purdy	8 Mercedes Rd, Brockton, Mass	
Del	Jay R Vine	Box 122, Haddonfield, NJ	
Ga	Jay R Vine	Box 122, Haddonfield, NJ	
Ill	Stanley J Smith	222 W. Adams St, Chicago 6, Ill	
Ind	Stanley J Smith	222 W. Adams St, Chicago 6, Ill	
Iowa	Stanley J Smith	222 W. Adams St, Chicago 6, Ill	
Me	Robert Noonan	Nash Rd, S. Windham, Me	
Md	Jay Vine	Box 122, Haddonfield, NJ	
Mass	Donald Purdy	8 Mercedes Rd, Brockton, Mass	
Mich	Stanley Smith	222 W. Adams St, Chicago 6, Ill	
Minn	Stanley Smith	222 W. Adams St, Chicago 6, Ill	
Mo	P H McFarland	Box 225, Clayton, Mo	
NJ	Jay R Vine	Box 122, Haddonfield, NJ	
NC	Collingwood I Bach & Co	205 S. Church St, Charlotte, NC	
Ohio	Jerry Burg	Box 7, Western Hills, Cincinnati, Ohio	
Pa	Jay Vine	Box 122, Haddonfield, NJ	
RI	Donald Purdy	8 Mercedes Rd, Brockton, Mass	
Va	Moore & Giles	Box 56, Lynchburg, Va	
Wash	Smith & Hunt	585 Howard St, San Francisco, Cal	
	HENRY & MILLER INDUSTRIES INC	**675 Garfield Ave, Jersey City 5, NJ**	**HE4-4200**
	HEPPNER MFG CO	**P. O. Box 608, Round Lake, Ill**	
Ala	Dixie Electronic Assoc Inc	1021 8th Ave, S., Nashville, Tenn	
Cal	Cochrane Electronics Sales Co	544 S. Mariposa Ave, L A 5, Cal	
Conn	Herb Mandell	85 Pearl Ave, Revere 51, Mass	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	Ted Sharaf	910 Van Buren St, Hollywood, Fla	
Ky	Dixie Electronic Associates Inc	1021-8th Ave, S., Nashville, Tenn	
Me	Herb Mandell	85 Pearl Ave, Revere 51, Mass	
Md	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa	
Mass	Herb Mandell	85 Pearl Ave, Revere 51, Mass	
Miss	Dixie Electronic Assoc Inc	1021-8th Ave, S., Nashville, Tenn	
NH	Herb Mandell	85 Pearl Ave, Revere 51, Mass	
NJ	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa	
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	
NY	William Lichter	26 Teakwood Ln, Roslyn, NY	
Pa	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa	
RI	Herb Mandell	85 Pearl Ave, Revere 51, Mass	
Tenn	Dixie Electronic Associates Inc	1021 8th Ave, S., Nashville, Tenn	
Vt	Herb Mandell	85 Pearl Ave, Revere 51, Mass	
Va	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa	
Canada	A R Gardner Sales Co	Port Union, Ontario, Canada	
	HERBACH & RADEMAN INC	**1204 Arch St, Philadelphia 7, Pa**	**LO7-4309**
	HERCULES POWDER CO., INC	**900 Market St, Wilmington 99, Del**	**OL8-7211**
Cal	Hercules Power Co., Inc	3460 Wilshire Blvd, Los Angeles 5, Cal	DU7-8151
Cal	Hercules Power Co., Inc	120 Montgomery St, San Francisco 4, Cal	YU6-2535
Ill	Hercules Powder Co., Inc	332 S. Michigan Ave, Chicago, Ill	HA7-5230
Mass	Hercules Powder Co., Inc	200 Berkeley St, Boston, Mass	LI2-2842
Mich	Hercules Powder Co., Inc	628 Fisher Bldg, Detroit 2, Mich	TR2-1760
Mo	Hercules Powder Co., Inc	111 S. Bemiston Ave, St Louis, Mo	PA7-5571
NY	Hercules Powder Co., Inc	380 Madison Ave, New York, NY	OX7-0010
Ohio	Hercules Powder Co., Inc	55 Public Sq, Cleveland 13, Ohio	SU1-4335
Ohio	Hercules Powder Co., Inc	2610 Carew Tower, Cincinnati 2, Ohio	DU1-6668
	HERMASEAL CO., INC	**1101 N. Main St, Elkhart, Ind**	**CO4-1110**
	HERMES ELECTRONICS CO	**75 Cambridge Pkwy, Cambridge 42, Mass**	**UN4-7200**
Ala	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Ariz	Kittleson Co	416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Ark	Southwestern Engrg & Equipment Co	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Cal	Kittleson Co	416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Colo	Dynatech	529 S. Ohio Ave, Denver, Colo	EA2-1338
Conn	Instrument Dynamics Inc	75 Wilcox Rd, Milford, Conn	TR4-3289
Del	Eastern Associates	808 Ingleside Ave, Baltimore, Md	RI4-3675
DC	Eastern Associates	808 Ingleside Ave, Baltimore, Md	RI4-3675
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Idaho	Ben Persitz	114 Garfield, Seattle 9, Wash	AT3-1965
Ill	Pivan Engineering Co	2820 Peterson Ave, Chicago, Ill	BR4-9135
Ind	Pivan Engineering Co	2820 Peterson Ave, Chicago, Ill	BR4-9135
Iowa	Pivan Engineering Co	2820 Peterson Ave, Chicago, Ill	BR4-9135
Kan	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
La	Southwestern Engrg & Equipment	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	Eastern Associates	808 Ingleside Ave, Baltimore, Md	RI4-3675
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Miss	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Mont	Ben Persitz	114 Garfield, Seattle 9, Wash	AT3-1965
Neb	Ben Persitz	114 Garfield, Seattle 9, Wash	AT3-1965
Nev	Kittleson Co	416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NM	Kittleson Co	Box 803, Alamogordo, NM	HE7-2780
NY	Naylon Electric Co., Inc	1718 Erie Blvd, Syracuse, NY	GR2-9183
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
ND	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Ohio	The Satullo Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-3094
Okla	Southwestern Engrg & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
Ore	Ben Persitz	114 Garfield, Seattle 9, Wash	AT3-1965
Pa	Eastern Associates	820 Homestead Rd, Jenkintown, Pa	TU4-7200
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
SD	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Tenn	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tex	Southwestern Engrg & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
Tex	Southwestern Engrg & Equipment Co	4101 San Jacinto St, Houston, Tex	JA8-7954
Utah	Dynatech	529 S. Ohio Ave, Denver, Colo	EA2-1338
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	Eastern Associates	808 Inglewood Ave, Baltimore, Md	RI4-3675
Wash	Eastern Associates	808 Inglewood Ave, Baltimore, Md	RI4-3675
W. Va	The Satullo Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-3094
Wisc	Pivan Engineering Co	2820 Peterson Ave, Chicago, Ill	BR4-9135
Wyo	Dynatech	529 S. Ohio Ave, Denver, Colo	EA2-1338
Foreign	Henley & Co	202 E. 44th St, New York 22, NY	YU6-5544
	HERMES PLASTICS INC	**154 W. 14th St, New York 11, NY**	**CH3-9058**
Cal	K J Flamm	1346 N. Highland Ave, Los Angeles 28	HO5-5414
Ill	New Hermes Eng Machine Corp	7853 S. Loomis Blvd, Chicago 20, Ill	
Pa	Laird Equipment Co	204 Wyncote Rd, Jenkintown	TU4-8198
	HERMES SONIC CORP	**13-19 University Pl, New York 3, NY**	**GR7-2730**
Cal	Hermes Sonic Corp	1346 N. Highland Ave, Los Angeles 28	HO5-5414
Ill	Hermes Sonic Corp	7583 Loomis Blvd, Chicago 20, Ill	AB4-2629
	HERMETIC SEAL CORP	**29-37 S. Sixth St, Newark 7, NJ**	**WY8-8080**
	HERMETIC SEAL TRANSFORMER CO DIV DRESSER INDUSTRIES CO	**P. O. Box 978, Garland, Tex**	**BR6-5141**
Ala	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Engineering Liaison Associates	11168 Santa Monica Blvd, L A, Cal	BR2-5133
Ark	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	FL2-7484
Cal	Engineering Liaison Associates	11168 Santa Monica Blvd, L A, Cal	BR2-5133
Del	J-H Electronic Sales Co	1125 Gypsie Ln, W., Towson, Md	VA5-4441
DC	J-H Electronic Sales Co	1125 Gypie Ln, W., Towson, Md	VA5-4441
Fla	Buchanan & Abrams	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Idaho	T R Van Wagoner	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Ind	Hobstetter Soenke	131 N. Ludlow St, Dayton, Ohio	BA2-2897
Iowa	Arthur Sales	11216 W. Mallory, Hales Corners, Wisc	GA5-5919
Kan	L F Florence	406 W. 34th St, Kansas City, Mo	LO1-7282
La	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	FL2-7484
Md	J H Electronics	1125 Gypsie Ln. W., Towson, Md	VA5-4441
Minn	Arthur Sales	11216 W. Mallory, Hales Corners, Wisc	GA5-2553
Miss	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Mo	Lee Florence Sales	406 W. 34th St, Kansas City, Mo	LO1-7282
Neb	Lee Florence Sales	406 W. 34th St, Kansas City, Mo	LO1-7282
NJ	J-H Electronic Sales Co	1125 Gypsie Ln, W., Towson, Md	VA5-4441
NJ	Syd Wimpie Associates	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NM	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	FL2-7484
NY	S Wimpie Associates	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NY	Technical Sales Inc	2900 Erie Blvd, E., Syracuse, NY	GR2-7524
NC	J H Electronics	1125 Gypsie Ln, W., Towson, Md	VA5-4441
Ohio	Hobstetter Soenke	131 N. Ludlow St, Dayton, Ohio	BA2-2897
Okla	Lawrence Sales	P.O. Box 13026, Dallas, Tex	FL2-7484
Pa	J H Electronics	1125 Gypsie Ln, W., Towson, Md	VA5-4441
Tenn	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Tex	Lawrence Sales	P.O. Box 13026, Dallas, Tex	FL2-7484
Utah	Tom Van Wagoner Sales	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Va	J H Electronics	1125 Gypsie Ln, W., Towson, Md	VA5-4441
Wisc	Arthur Sales	11216 W. Mallory, Hales Corners, Wisc	GA5-2553
	HERMETITE CORP	**702 Boeoce St, Boston 15, Mass**	**CO7-4040**
Ariz	Pacific Electro Sales Inc	6063 1/2 Whittier Blvd, L A, Cal	RA3-3396
Cal	Pacific Electro Sales Inc	6063 1/2 Whittier Blvd, L A, Cal	RA3-3396
Conn	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Del	R R Hitchens	323 Homestead, Haddonfield, NJ	HA9-2491
Ind	Victor Musser	608 W. 2nd St, Marion, Ind	NO2-7874
Ky	Victor Musser	608 W. 2nd St, Marion, Ind	NO2-7874
Me	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Md	R R Hitchens	323 Homestead, Haddonfield, NJ	HA9-2491
Mass	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
NH	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
NJ	R R Hitchens	323 Homestead, Haddonfield, NJ	HA9-2491
NY	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Pa	R R Hitchens	323 Homestead, Haddonfield, NJ	HA9-2491
RI	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Vt	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
	HESCO ENGINEERING	**322 E. Beach Ave, Inglewood 3, Cal**	**OR8-4178**
	HEVI-DUTY ELECTRIC CO A DIV OF BASIC PRODUCTS CORP	**Milwaukee 1, Wisc**	**UP1-9100**
Ala	Dixon Supply Co	3104 4th Ave S., Birmingham 5, Ala	FA4-4687
Cal	Hevi-Duty Electric Co	10826 Venice Blvd, Culver City, Cal	VE7-1205
Colo	Slaybaugh-Thompson Co	100 W. 13th Ave, Denver, Colo	AC5826
Conn	Etter Engineering Co	P.O. Box 1944, New Haven, Conn	AT8-115
Ill	Hevi-Duty Electric Co	5816 W. North Ave, Chicago, Ill	NA2-6565
Ind	Loy Instrument Co	2111 N. Kitley Ave, Indianapolis, Ind	FL6-6318
La	Stanley Hughes Co	P.O. Box 1932, Baton Rouge, La	EL7-6028
Mich	Hevi-Duty Electric Co	8830 W. McNichols Rd, Detroit, Mich	DI1-3266
Minn	Ray Larsen	5914 Portland Ave,S., Minneapolis, Minn	JN9-7774
Mo	Brandwine Equipment Co	2683 Big Bend Blvd, St Louis 17, Mo	ST1-6432
NJ	Hevi-Duty Electric Co	84 Industrial Ave, Little Ferry, NJ	DI3-2959
NC	Edwin S Mack	5 Plymouth Circle, Asheville, NC	AL4-1489
Ohio	Hevi-Duty Electric Co	14900 Detroit Ave, Cleveland, Ohio	AC1-0333
Okla	Bishop Engineering Co	P.O. Box 7031, Tulsa, Okla	RI2-2371
Pa	Harold Woolman	4 W. Manilla Ave, Pittsburgh 20, Pa	WA2-2420
Tenn	Process & Power	1505 Harbor Ave, Memphis 6, Tenn	WH2-3253
Tex	Hainge Co	3323 Mercer St, Houston 27, Tex	JA9-2573
Utah	Control Equipment Co	323 W. 14th St.S., Salt Lake City, Utah	
Wash	Walsh Associates	1138 Poplar Pl, Seattle 44, Wash	EA2-1155
Wisc	Marshall Nelson	535 W. Green Tree Rd, Milwaukee 17	FL2-2991
Canada	Eclipse Fuel Engineering Co	20 Upjohn Rd, Don Mills, Toronto, Ontario, Canada	
	HEWLETT-PACKARD CO	**1501 Page Mill Rd, Palo Alto, Cal**	**DA6-7000**
Ala	Bivins & Caldwell Inc	3133 Maple Dr, Atlanta, Ga	CE3-7522
Alaska	Arva	1320 Prospect St, Seattle, Wash	MA2-0177
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix, Ariz	CR4-5431
Ark	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood	TR7-0721
Colo	Lakana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Conn	Yewell Associates	1101 E. Main St, Bridgeport, Conn	FO6-3456
Del	Horman Associates	3006 W. Cold Spring Ln, Baltimore, Md	MO4-8345
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Stiles Associates Inc	1226 E. Colonial Dr, Orlando, Fla	GA2-4524
Ga	Bivins & Caldwell Inc	3133 Maple Dr, Atlanta, Ga	CE3-7522
Idaho	Arva	1320 Prospect St, Seattle, Wash	MA2-0177
Ill	Crossley Associates	2711 Howard St, Chicago, Ill	SH3-8500
Ind	Crossley Associates	5420 N. College Ave, Indianapolis, Ind	CL1-9255
Iowa	Crossley Associates	842 Raymond Ave, St. Paul, Minn	MI6-7881
Kan	Harris-Hanson Co	7916 Pasco Ave, Kansas City, Mo	HI4-9494
Ky	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
La	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Me	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
Md	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
Mich	S Sterling Co	15310 W. Mc Nichols Rd, Detroit, Mich	BR3-2900
Minn	Crossley Associates	842 Raymond Ave, St. Paul, Minn	MI6-7881
Miss	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St Louis, Mo	MI7-4330
Mont	Arva	1320 Prospect St, Seattle, Wash	MA2-0177
Mont	Lakana & Co	1886 S. Broadway, Denver, Colo	PE3-3791

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Neb	Crossley Associates	842 Raymond Ave, St.Paul, Minn	MI6-7881
Nev	Neely Enterprises	1317 15th St, Sacramento, Cal	GI2-8901
NH	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
NJ	I E Robinson Co	905 Main St, Asbury Park, NJ	KE1-3150
NM	Neely Enterprises	P.O. Box 8366 Sta C, Albuquerque, NM	AL5-5586
NY	R M C Associates	236 E. 75th St, New York, NY	TR9-2023
NY	Edward A Ossmann & Associates	830 Linden Ave, Rochester, NY	LU6-4940
NC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
ND	Crossley Associates	842 Raymond Ave, St. Paul, Minn	MI6-7881
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland, Ohio	HI2-8080
Ohio	Crossley Associates	2801 Far Hills Ave, Dayton, Ohio	AX9-3594
Okla	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Ore	Arva	1320 Prospect St, Seattle, Wash	MA2-0177
Pa	I E Robinson Co	7404 W. Chester Pike, Upper Darby, Pa	SH8-1294
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh, Pa	TU4-5515
RI	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
SC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
SD	Crossley Associates	842 Raymond Ave, St Paul, Minn	MI6-7881
Tenn	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
Tex	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Utah	Lakana & Co	1332 Varden Way, Salt Lake City, Utah	AM6-1721
Vt	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
Va	Bivins & Caldwell Inc	P.O. Box 6514, Richmond, Va	EL5-7931
Wash	Arva	1320 Prospect St, Seattle, Wash	MA2-0177
W.Va	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
Wisc	Crossley Associates	2711 Howard St, Chicago, Ill	SH3-8500
Wyo	Lakana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Foreign	Hewlett-Packard S A	Rue du Vieux Billard No. 1, Geneva, Switzerland	(022)26. 43. 36
	HEXACON ELECTRIC CO	**138 W.Clay Ave, Roselle Park, NJ**	**CH5-6200**
Ala	McDonough Co	P.O. Box 2342, Sta D, Atlanta 18, Ga	DR8-0766
Ariz	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles 6, Cal	RI7-9221
Ark	J Earl Smith	5211 Denton Dr, Dallas 35, Tex	FL7-1727
Cal	Dillon Stevens & Co	420 Market St, San Francisco, Cal	
Cal	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles 6, Cal	RI7-9221
Colo	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
Conn	Howard V Neff	R D 2, Putnam, Conn	WA8-4249
Fla	McDonough Co	1201 San Marco Blvd, Jacksonville 7, Fla	FL9-5282
Ga	McDonough Co	P.O. Box 2342 Sta D, Atlanta 18, Ga	DR8-0766
Idaho	Bax & Co	714 Lincoln St, Denver, Colo	AM6-0491
Ill	DuPage & Will	1300 Rosalie St, Evanston, Ill	UN4-8220
Ill	Gener Clouse	1218 Isabella St, Wilmette, Ill	WA2-4985
Ind	George R Hamilton	1300 Rosalis St, Evanston, Ill	UN4-8220
Iowa	Louis E Bruns Co	917 Central Ave, Kansas City 1, Kan	FI2-2188
Kan	Louis E Bruns Co	917 Central Ave, Kansas City 1, Kan	FI2-2188
La	J Earl Smith	5211 Denton Dr, Dallas 35, Tex	FL7-1727
Me	H V Neff	R D 2, Putnam, Conn	WA8-4249
Md	L A Benson Co., Inc	3707 E. Monument St, Baltimore 5, Md	DI2-9225
Mass	H V Neff	R D 2, Putnam, Conn	WA8-4249
Minn	Vernon Gummert	P.O. Box 281, Winona, Minn	WI5166
Mo	Louis E Bruns Co	917 Central Ave, Kansas City, Kan	FI2-2188
Mont	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
Neb	Louis E Bruns Co	917 Central Ave, Kansas City, Kan	FI2-2188
Nev	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
NH	H V Neff	R D 2, Putnam, Conn	WA8-4249
NJ	Dunn & Bryan	28 Warren St, New York, NY	WO4-8091
NM	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
NY	Dunn & Bryan	28 Warren St, New York, NY	WO4-8091
NY	Fish Associates	1322 Oneida St, Utica 3, NY	RE2-1008
NC	McDonough Co	304 W. 5th Ave, Lexington, NC	CH6-5303
Okla	J Earl Smith	5211 Denton Dr, Dallas 35, Tex	FL7-1727
Ore	Albert S Knight Co	2570 Magnolia Blvd, Seattle 99, Wash	AT2-5063
Pa	Dunn & Bryan	28 Warren St, New York, NY	WO4-8091
Pa	Fish Associates	1322 Oneida St, Utica 3, NY	RE2-1008
RI	H V Neff	R D 2, Putnam, Conn	WA8-4249
SC	McDonough Co	304 W. 5th Ave, Lexington, NC	CH6-5303
Tenn	McDonough Co	P.O. Box 2342, Sta D, Atlanta 18, Ga	DR8-0766
Tex	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
Tex	J Earl Smith	5211 Denton Dr, Dallas 35, Tex	FL7-1727
Utah	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
Vt	H V Neff	R D 2, Putnam, Conn	WA8-4249
Va	McDonough Co	501 S. Davis St, Richmond 3, Va	EL5-2976
Wash	Albert S Knight Co	2570 Magnolia Blvd, Seattle 99, Wash	AT2-5063
Wisc	Vernon Gummert	P.O. Box 281, Winona, Minn	WI5166
Wyo	Bax & Co	714 Lincoln St, Denver 3, Colo	AM6-0491
Canada	Adlam Tool & Supply Co Ltd	1015 St. Alexander St, Montreal, Que, Can	UN6-5057
	HEYMAN MFG CO	**Kenilworth 2, NJ**	**CH5-2345**
Ala	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Ariz	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Ark	Wm P Schoenfield	4407 Northcrest Rd, Dallas 29, Tex	FL2-6200
Cal	Agencies Co	836 Traction Ave, Los Angeles, Cal	MA6-544
Colo	Fred A Pease Co	4921 E. 38th Ave; Denver 7, Colo	DU8-4644
Conn	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Del	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Fla	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Idaho	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Ill	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Ind	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Iowa	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Kan	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Ky	D J Campbell Co	200 Albert S, Waukesha, Wisc	LI2-7155
La	Wm P Schoenfield	4407 Northcrest Rd, Dallas 29, Tex	FL2-6200
Me	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Md	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Mass	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Mich	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Minn	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Miss	Buchanan & Abrams Associates	1226 E. Colonial Dr, Orlando, Fla	GA3-8995
Mo	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
Mont	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Neb	D J Campbell Co	200 Albert St, Waukesha, Wisc	LI2-7155
NH	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ohio	Richard H Pierce Co	12417 Cedar Rd, Cleveland 6, Ohio	YE2-5778
Ohio	D J Campoli Co	200 Albert St, Waukesha, Wisc	LI2-7155
Okla	Wm P Schoenfeld	4407 Northcrest Rd, Dallas 29, Tex	FL2-6200
Pa	Richard H Pierce Co	12417 Cedar Rd, Cleveland 6, Ohio	YE2-5778
RI	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Tenn	Buchanan & Abrams Associates	1235 E. Colonial Dr, Orlando, Fla	GA3-8995
Tex	Wm P Schoenfeld	4407 Northcrest Rd, Dallas 29, Tex	FL2-6200
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Vt	Robert Jones & Co., Inc	593 Mineral Spring Ave, Pawtucket, RI	PA5-3517
Wisc	D J Campoli Co	200 Albert St, Waukesha, Wisc	LI2-7155
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Canada	Cords (Canada) Ltd	149 Sterling Rd, Toronto, Ont, Canada	LE7-1221
Foreign	Industrias Copiarciales	Tonala 143, Mexico 7, D F
Foreign	Injection Moulders Ltd	Westmoreland Rd, London Northwest 9, England

HICKOK ELECTRICAL INSTRUMENT CO — **10514 Dupont, Cleveland 8, Ohio** — **LI1-8060**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Hickok Elec Instrument Co	P.O. Box 1187, Hollywood 28, Cal	HO7-7673
Cal	Hickok Elec Instrument Co	2585 Shattuck Ave, Berkeley, Cal	TH5-1771
Colo	Gordon Moss Electronics Inc	5194 Perry St, Denver, Colo	GL5-0268
Fla	Hollingsworth & Still	7390 N. E. 8th Ave, Miami, Fla	PL7-9793
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta, Ga	MU8-5878
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu, Hawaii	83-105
Ill	L C McCarthy	7117 W. Addison St, Chicago, Ill	KI5-7976
Ind	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
Kan	[illegible] W Kansas Sales Co	10506 W. 89th St, Overland Park, Kan	TU6-5213
La	Earl K Moore Co	5964 Louisville St, New Orleans, La	AU2407
Mass	Johnson Associates	414 Main St, Wakefield, Mass	CR6-5500
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn	JU6-4663
NJ	R K Arbogast	257 E. 11 Rd, Hillside, NJ	NU4-5656
NJ	K E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NY	R W Mitscher	487 Ellicott Square Bldg, Buffalo, NY	WA2517
NY	R W Mitscher	51 Ely Dr, Poughkeepsie, NY	GI6-3164
NC	Hollingsworth & Still	4837 Gilmore Dr, Charlotte, NC	[illegible]A3-2966
Ohio	James Landlear & Co	12429 Cedar Rd, Cleveland, Ohio	[illegible]A2-4533
Ore	Emery C Boning	13128 S.E. Ash St, Portland, Ore	AL3-9472
Pa	Charles E Babcock	430 Huntington Dr, Wayne, Pa	MU8-8288
Tex	J Earl Smith	6211 Denton Dr, Dallas, Tex	FL7-1727
Tex	J Earl Smith	5339 Keystone, Houston, Tex	WI4-4621
Va	E E Wolfe	6160 Wilson Blvd, Arlington, Va	EX3-2692
Wisc	Nick J Laub Co	2333 W. Wells St, Milwaukee, Wisc	DI4-2200
Foreign	Hickok Electrical Instrument Co	431 Fifth Ave, New York, NY	MU3-2400
Canada	Stark Electronic Sales Ltd	P.O. Box 670, Ajax, Ontario, Canada	AJ125

HICKS CORP. THE — **1671 Hyde Park Ave, Hyde Park, Mass**

HIDYNE INSTRUMENT & ENGRG CO — **309 S. Anderson St, Tullahoma, Tenn**

HI-G INC — **10 Bradley Fld, Windsor Locks, Conn** — **MA3-2481**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ariz	Penwarden / Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Cal	Penwarden / Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4645
Conn	John E Boeing Co	265 Church St, New Haven, Conn	ST7-0115
Del	L G Korman Associates	Box 55, Kingsville, Md	LY2-7898
DC	L G Korman Associates	Box 55, Kingsville, Md	LY2-7898
Fla	Specialized Electronics Corp	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronics Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ind	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Iowa	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Me	John E Boeing Co	Box 235, Lexington 73, Mass	VO2-2500
Md	L G Korman Associates	Box 55, Kingsville, Md	LY2-7898
Mass	John E Boeing Co	Box 235, Lexington 73, Mass	VO2-2500
Mich	Henshen-Jensen & Co	2842 W. Grand Blvd, Detroit, Mich	TR1-0308
Minn	G E Arneson Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Nev	Penwarden Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
NH	John E Boeing Co., Inc	Box 235, Lexington 73, Mass	VO2-2500
NJ	H W Brede Co	689 Glen Cove Rd, Glenhead, NY	OR6-4900
NM	Barnhill Associates Inc	8310 Cutler Ave, Albuquerque, NM	AX9-8651
NY	H W Brede Co., Inc	689 Glen Cove Rd, Glenhead, NY	OR6-4900
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ohio	Electro-Com	1231 Main Ave, Cleveland, Ohio	TO1-4757
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	L G Korman Associates	38 Maplewood Ave, Philadelphia, Pa	VI8-2100
RI	John E Boeing Co., Inc	Box 235, Lexington 73, Mass	VO2-2500
SC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tex	Scott Technical Sales	Box 30324, Dallas 30, Tex
Utah	Barnhill Associates	207 N. 4th E., Centerville, Utah	AX5-7519
Vt	John E Boeing Co., Inc	Box 235, Lexington 73, Mass	VO2-2500
Va	L G Korman Associates	Box 55, Kingsville, Md	LY2-7898
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	Gassner & Clark	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Foreign	Dage Corp	219 E. 44th St, New York City, NY	MU2-6755
Foreign	Traco Trading Corp	Jenatschstrasse 1, Box Zurich 27, Switzerland

HIGH FIDELITY PRODUCTS — **Box 131, Owensboro, Ky**
HIGH SPEED HAMMER CO — **Rochester, NY** — **CO6-6740**

HIGH VACUUM EQUIPMENT CORP
SUB ROBINSON TECH PRODS INC — **2 Churchill Rd, Hingham 1, Mass** — **RI9-2430**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Denton & Anderson Co	5526 N. Rosemead, Temple City, Cal	CU3-8436
Cal	Denton & Anderson Co	5526 N. Rosemead Blvd, Temple City	CU3-8436
Del	Jack Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
DC	Jack Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
Ind	Denton & Anderson Co	3740 Salem Ave, Dayton, Ohio	CR7-9327
Ky	Denton & Anderson Co	3740 Salem Ave, Dayton, Ohio	CR7-9327
Md	Jack Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
NJ	C Frederick Miller	Teterboro, NJ	AT8-2500
NY	Jack B Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
Ohio	Denton & Anderson Co	3740 Salem Ave, Dayton, Ohio	CR7-9327
Pa	Jack B Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
Tenn	Denton & Anderson Co	3740 Salem Ave, Dayton, Ohio	CR7-9327
Va	Jack B Israel	301 S. 15th St, Philadelphia, Pa	PE5-6860
W. Va	Denton & Anderson Co	3740 Salem Ave, Dayton, Ohio	CR7-9327

HIGH VOLTAGE ENGINEERING CORP — **Burlington, Mass** — **BR2-1313**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	D R Kneeland	680 Marshall Ct, Redwood City, Cal	FM9-6705
Foreign	High Voltage Eng (Eur) N V	Amsterdamsweg-Amersfoort, Netherlands

HILL & CO., E VERNON — **P. O. Box 189, Lake Geneva, Wisc** — **CH8-3729**

HILL ELECTRONICS INC — **300 N. Chestnut St, Mechanicsburg, Pa** — **PO6-7611**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ariz	David A Fillmore Co	1135 W. Huntingdon Dr, Arcadia, Cal	HI6-6325
Ark	Southern Industrial Electronics Inc	P.O. Box 9814, Dallas, Tex	FL2-3901
Cal	David A Fillmore Co	1135 W. Huntingdon Dr, Arcadia, Cal	HI6-6325
CO	Dickinson Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
DC	Dickinson Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0923
Fla	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ind	RIG Frederick Co	1601 Hanna St, Fort Wayne, Ind	HA0641
La	Southern Industrial Electronics Inc	P.O. Box 9814, Dallas, Tex	FL2-3901
Md	Dickinson Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
Md	Dickinson Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0923
NJ	Dickinson Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
NJ	Dickinson Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0923
NY	James Semple Co	21 Edgewater Ln, Rochester, NY	FI2-1413
NY	Frank Tylinski	76-63 Bell Blvd, Bayside 64, NY	HO4-8927
Ohio	Nearing Associates	4551 Ruebell Pl, Cincinnati 11, Ohio
Okla	Southern Industrial Electronics Inc	P.O. Box 9814, Dallas, Tex	FL2-3901
Pa	Dickinson Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
Pa	Dickinson Sales Co., Inc	107 York York Rd, Towson 4, Md	VA3-0923
Tex	Southern Industrial Electronics Inc	P.O. Box 9814, Dallas, Tex	FL2-3901
Va	Dickinson Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
Va	Dickinson Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0923

HILL MACHINE CO — **1301 Eddy Ave, Rockford, Ill** — **TR7-5781**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Miles C Wagner	215 E. River Rd, Tucson, Ariz	MA3-5353
Cal	Mitchell Olsen (The Olsen Co)	5341 Santa Monica Blvd, Los Angeles 29	HO7-4231
Colo	Colorado Tool & Gage Co	1489 S. Broadway, Denver 10, Colo	RA2-8067
Del	Don G Leslie	P.O. Box 326, Wayne, Pa	MU8-3311
DC	Don G Leslie	P.O. Box 326, Wayne, Pa	MU8-3311
Fla	Walter M Pohl & Associates	P.O. Box 68, Boca Raton, Fla	BO4179
Ill	Arthur N Monaco	1626 N. Newland Ave, Chicago, Ill	NA2-5473
Iowa	Thom Lundeen	1604-40th St, Ct., Moline, Ill	MO4-8417
Kan	Clarence H Brent	6617 W. 77th Terr, Overland Park, Kan	MI2-4188
Md	Don G Leslie	P.O Box 326, Wayne, Pa	MU8-3311
Mass	Lawrence Edmands	P.O. Box 115, Wellesley Hills, Mass	CE5-3334
Mich	Eberle R Associates	20050 Livernois Ave, Detroit 21, Mich	DI1-1755
Mo	Clarence H Brent	6617 W. 77th Terr, Overland Park, Kan	MI2-4188
NJ	Don G Leslie	P.O Box 326, Wayne, Pa	MU8-3311
NM	Miles C Wagner	215 E. River Rd, Tucson, Ariz	MA3-5353
NY	Don G Leslie	P.O Box 326, Wayne, Pa	MU8-3311
Pa	Don G Leslie	P.O Box 326, Wayne, Pa	MU8-3311

HILL RESEARCH CO — **49 Buckeye Ave, Oakland 18, Cal** — **OL2-4172**

HILLBURN ELECTRONIC PRODUCTS CO — **55 Nassau St, Brooklyn 22, NY** — **ST2-3875**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Logan & Stone	1485 Bayshore Blvd, San Francisco 24, Cal	DE4-1200
Cal	Logan & Stone	1485 Bayshore Blvd, San Francisco 24	DE4-1200
Colo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Conn	Chas Segel Co	1262 Commonwealth, Boston 34, Mass	BE2-4334
Del	Martin Friedman Associates	7 Heather Rd, Bala Cynwyd, Pa	TR7-3450
DC	Martin Friedman Associates	7 Heather Rd, Bala Cynwyd, Pa	TR7-3450
Fla	Lee Crowell	2727 Aloma Ave, Winter Park, Fla
Ga	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Ill	Gordon Fixman	8160 Stanford Ave, St. Louis 24, Mo
Me	Chas Segel Co	1262 Commonwealth, Boston 34, Mass	BE2-4334
Md	Martin Friedman Associates	7 Heather Rd, Bala Cynwyd, Pa	TR7-3450
Mass	Chas Segel Co	1262 Commonwealth Ave, Boston 34	BE2-4334
Mich	F A Villani	7008 Rosemary, Dearborn 6, Mich	[illegible]
Mo	Gordon Fixman	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NH	Chas Segel Co	1262 Commonwealth, Boston 34, Mass	BE2-4334
NJ	Martin Friedman Associates	7 Heather Rd, Bala Cynwyd, Pa	TR7-3450
NY	Art Perkins	639 S. Warren St, Syracuse, NY	OL5-9090
NY	S A Shaw	361 Central Park Ave, Yonkers, NY	YO3-5700
NC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5249
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-6444
Okla	Delzel-Maynard	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio
Pa	Martin Friedman Associates	7 Heather Rd, Bala-Cynwyd, Pa	TR7-3450
RI	Chas Segel Co	1262 Commonwealth, Boston 34, Mass	BE2-4334
SC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5249
Tex	Delzel-Maynard	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Vt	Chas Segel Co	1262 Commonwealth, Boston 34, Mass	BE2-4334
Va	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5249
Canada	A Deskin Sales	1091 14 St, Montreal 40, Canada

HILLYER CORP — **331 Centennial Ave, Cranford, NJ** — **BR6-8710**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Merryweather & Strasmann Mach Corp	600 S. Bayshore Frwy, San Mateo, Cal	DI4-6464
Cal	Harold L Stark Co	7515 Rindge Ave, Playa Del Rey, Cal	EX1-4707
Ill	Federal-Bryant Machinery Co	4639 Washington Blvd, Chicago 44, Ill	ES8-3307
Md	George E Viereck & Co., Inc	1570 North St, N.W., Wash, DC	CO5-5034
Mich	National Sales Engineering Co	15805 Wyoming Ave, Detroit 38, Mich	DI1-0051
Va	George E Viereck & Co., Inc	1570 North St, N.W., Wash, DC	CO5-5034
Wisc	Federal-Bryant Machinery Co	4639 Washington Blvd, Chicago 44, Ill	ES8-3307

HI-LO MFG CORP — **1122 W. Newport Ave, Chicago 13, Ill** — **GR7-1890**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	L A Nott & Co	1061 Howard St, San Francisco, Cal
Conn	Frank Maher Sales Co	106 Woodlawn St, West Hartford, Conn
Del	J C Merican Sales Co	1 Christopher St, New York, NY
DC	J C Merican Sales Co	1 Christopher St, New York, NY
Fla	Jack Gearner Sales Co	823-86th St, Miami Beach, Fla
Hawaii	L A Nott & Co	1061 Howard St, San Francisco, Cal
Ill	Martan L Friedman Co	2814 W. Belmont Ave, Chicago 25, Ill
Me	Frank Maher Sales Co	106 Woodlawn St, West Hartford, Conn
Md	J C Merican Co	1 Christopher St, New York 14, NY
Mass	Frank Maher Sales Co	106 Woodlawn St, West Hartford, Conn
NH	Frank Maher Sales Co	106 Woodlawn St, West Hartford, Conn
NJ	J C Merican Co	1 Christopher St, New York, NY
NY	Albert Sillier Sales Co	1 Christopher St, New York, NY
Pa	J C Merican Co	1 Christopher St, New York, NY
RI	Frank Maher Sales Co	106 Woodlawn St, West Hartford, Conn
SC	Charles M Furman Co	1228 W. Harding Pl, Charlotte 3, NC
Vt	Frank Maker Sales Co	106 Woodlawn St, West Hartford, Conn
Va	Charles M Furman Co	1228 W. Harding Pl, Charlotte, NC

HINDE & DAUCH DIV., WEST VIRGINIA PULP & PAPER CO — **407 Decatur St, Sandusky, Ohio** — **MA5-6610**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Hinde & Dauch	1310 N. 22nd Ave, Phoenix, Ariz	AL2-5834
Cal	Hinde & Dauch	555 Maple, Torrance, Cal	SP5-3114
Conn	Hinde & Dauch	P.O. Box 335, Meriden, Conn	BE5-2551
Ill	Hinde & Dauch	3301 W. 47th Pl, Chicago 32, Ill	LA3-4200
Iowa	Hinde & Dauch	530 Sunshine Rd, Kansas City, Kan	MA1-5252
Md	Hinde & Dauch	3400 E. Biddle St, Baltimore 13, Md	EA7-7376
Mass	Hinde & Dauch	70 Grove St, Watertown 72, Mass	WA4-2640
Mich	Hinde & Dauch	13870 W. Chicago Blvd, Detroit 28, Mich	WE3-3850
Mo	Hinde & Dauch	5110 Penrose St, St. Louis 15, Mo	EV3-0220
NH	Hinde & Dauch	550 Ninth St, Hoboken, NJ	OL9-4400
NH	Hinde & Dauch	Fifth St, Gloucester, NJ	WA5-7281
NY	Hinde & Dauch	95 Dorothy St, Buffalo 6, NY	TR3121
NC	Hinde & Dauch	601 N. Modena St, Gastonia, NC	UN4-3261
Ohio	Hinde & Dauch	R R 2, Eaton, Ohio	EA875
Ohio	Hinde & Dauch	2210 W. 110th St, Cleveland 2, Ohio	WO1-4050
Va	Hinde & Dauch	2300 Jefferson Davis, Richmond, Va	BE2-5691

HINDLE TRANSFORMER CO., INC — **Woods Church Rd, Flemington, NJ** — **ST2-5525**

HIRSCHMANN CO., INC., CARL — **30 Park Ave, Manhasset, NY** — **MA7-5300**

HISONIC INC — **P.O. Box 534, Shawnee, Kan** — **HE2-9819**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	W R Entrikin Co	P.O. Box 393, Balboa Island, Cal	OR3-8208
Cal	W R Entrikin Co	P.O. Box 393, Balboa Island, Cal	OR3-8208
Minn	K L Tannehill Inc	2534 25th Ave, S., Minneapolis 6, Minn	PA1-4470
NY	Savco Inc	124 Kinne Ave, E. Syracuse, NY	GI6-4927
Okla	Scott Technical Sales	P.O. Box 30324, Dallas, Tex	FL2-7698
Tex	Scott Technical Sales	P.O. Box 30324, Dallas, Tex	FL2-7698

HI-SPEC ELECTRONICS CORP — **7328 Ethel Ave, North Hollywood, Cal** — **PO5-5075**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ariz	Richard Capell Co	2639 S. LaCienega Blvd, L A 34, Cal	UPO-8616
Cal	Richard Capell Co	2639 S. LaCienega Blvd, Los Angeles	UPO-8616
Cal	Richard Capell Co	926 Industrial Ave, Palo Alto, Cal	DA1-2194
Conn	Todino Engineering Sales Inc	1007 Farmington Ave, West hartford, Conn	AD2-9532
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Ind	Russel F Hardy	Hulman Bldg, Dayton, Ohio	BA2-1265
Iowa	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Ky	Russel F Hardy	Hulman Bldg, Dayton, Ohio	BA2-1265
Me	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights 94, Mass	HI4-7925
Mass	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights 94, Mass	HI4-7925
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Neb	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NH	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights 94, Mass	HI4-7925
NJ	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NY	Edward A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4940
Ohio	Russell F Hardy	Hulman Bldg, Dayton, Ohio	BA2-1265
RI	Todino Engineering Sales Inc	P.O. Box 201, Needham Heights 94, Mass	HI4-7925
SC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Vt	Todino Engineering Sales Inc	P.O. Box 201, Needham Heights 94, Mass	HI4-7925

HITEMP WIRES INC — **1200 Shames Dr, Westbury, NY** — **ED3-4600**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Wm M Jones Co	1107 Echo Ct, Towson 4, Md	VA3-2434
Ariz	Premmco Inc	3217 E. Washington St, Phoenix, Ariz	BR5-7588
Cal	Premmco Inc	5470 Valley Blvd, L A 32, Cal	CA2-0167
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Colo	Rowley Bouvett Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Conn	R H Whitehead Jr & Assoc	57 Whitfield St, Guilford, Conn	GL3-3762
DC	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Fla	Par Co	Box 10302, St. Petersburg 33, Fla	DI5-7608
Ga	Wm M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Idaho	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Ill	Charles Rossi Sales Co	2429 N. 73rd Ave, Chicago, Ill	GL6-4710
Ind	W H Myers Sales Co	Syracuse 3, Ind	SY702-R
Iowa	Charles Rossi Sales Co	2429 N. 73rd Ave, Chicago, Ill	GL6-4710
Kan	Halgin Sales	5920 Nall Ave, Mission, Kan	HE2-4359
Ky	Gallagher Co	15 Ritchie Ave, Cincinnati 15, Ohio	PO1-1288
Me	R H Whitehead Jr & Assoc	2 Brimmer St, Boston, Mass	CA7-2590
Md	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Mass	R Whitehead Jr & Associates	2 Brimmer St, Boston, Mass	CA7-2590
Mich	Jim Morrow Sales	13149 Hamilton Ave, Highland Park 3	TO5-7600
Minn	Kenneth L Tannehill	2534 25th Ave, S. Minneapolis, Minn	PA1-5963
Mo	Halgin Sales	5920 Nall Ave, Mission, Kan	HE2-4359
Neb	Halgin Sales	5920 Nall Ave, Mission, Kan	HE2-4359
NH	R H Whitehead Jr & Assoc	2 Brimmer St, Boston, Mass	CA7-2590
NJ	Thomas M Mills Co	13 B Tanner St, Haddonfield, NJ	HA9-1005

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Premmco Inc	2513 Rio Grande Blvd, N.W., Albuquerque	DI4-4118
NY	Par Distributors	P.O. Box 36, Woodbury, NY	MY2-8250
NY	P L Kirsh Associates Inc	223 Windemere Rd, Rochester, NY	BU8-0705
NC	Missiletronics Inc	3389 Nottingham Rd, Winston Salem, NC	PA3-4204
Ohio	Gallagher Co	15 Ritchie Ave, Cincinnati 15, Ohio	PO1-1288
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Thomas M Mills Co	13 B Tanner St, Haddonfield, NJ	HA9-1005
RI	R H Whitehead Jr & Assoc	2 Brimmer St, Boston, Mass	CA7-2590
SC	Missiletronics Inc	P.O. Box 6096, Charlotte, NC	ED4-3994
Tenn	Wm M Jones Co	1107 Echo Ct. N., Towson 4, Md	VA3-2434
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9931
Utah	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Vt	R H Whitehead Jr & Assoc	2 Brimmer St, Boston, Mass	CA7-2590
Va	Par Distributors	P.O. Box 36, Woodbury, NY	MY2-8250
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
W.Va	Par Distributors	P.O. Box 36, Woodbury, NY	MY2-8250
Wisc	Chas Rossi Sales Co	2429 N. 73rd Ave, Chicago 35, Ill	GL6-4710
Wyo	Rowley Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Canada	P L Kirsh Assoc Inc	223 Windemere Rd, Rochester, NY	BU8-0705

HI-TEST CHEMICAL CORP ..... **722 64th St, Brooklyn 20, NY**

HOBSON BROTHERS INC ..... **4940 W. Lawrence Ave, Chicago 30, Ill** **AV3-3600**

HOFFMAN CO., INC., H L ..... **35 Old Country Rd, Westbury, NY** **ED4-3600**

HOFFMAN CO., P R ..... **Carlisle, Pa**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Foreign	R K Price Associates Inc	509 Madison Ave, New York 22, NY	MU8-7687
Foreign	Hakuto Co Ltd	P.O. Box 163, Nihonbashi, Tokyo, Japan	(241)201-2

HOFFMAN ELECTRONICS CORP MILITARY PRODUCTS DIV ..... **3740 S. Grand Ave, Los Angeles 7, Cal** **RI7-4488**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
DC	J R O'Brien	1022 Cafritz Bldg, Washington 6, DC	
DC	J W Jones	1625 Eye St, N.W., Washington 6, DC	ST3-4658
NJ	Paul E Brandt	710 Mattison Ave, Asbury Park, NJ	PR4-7877
NY	C R Glaviano	1333 E. Dominick, Rome, NY	RO5609
Ohio	R P Turner	1st & Ludlow, Dayton, Ohio	BA2-3726

HOFFMAN ELECTRONICS SEMICONDUCTOR DIV ..... **1001 N. Arden Dr, El Monte, Cal** **CU3-7191**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
Alaska	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Ariz	Hoffman Electronics	633 Alameda Blvd, Coronado, Cal	HE5-9076
Ark	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Cal	Hoffman Electronics	633 Alameda Blvd, Coronado, Cal	HE5-9076
Cal	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Colo	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Conn	Hoffman Electronics	419 Boylston St, Boston, Mass	KE6-3849
Del	Hoffman Electronics	1625 I St, N.W., Washington, DC	ST3-4658
DC	Hoffman Electronics	1625 I St, N.W., Washington, DC	ST3-4658
Fla	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
Ga	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
Idaho	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Ill	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Ind	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Iowa	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Kan	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Ky	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
La	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Me	Hoffman Electronics	419 Boylston St, Boston, Mass	KE6-3894
Md	Hoffman Electronics	1625 I St, N.W., Washington, DC	ST3-4658
Mass	Hoffman Electronics	419 Boylston St, Boston Mass	KE6-3894
Mich	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Minn	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Miss	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
Mo	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Mont	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Neb	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Nev	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
NH	Hoffman Electronics	419 Boylston St, Boston, Mass	KE6-3849
NJ	Hoffman Electronics	710 Mattison Ave, Asbury Park, NJ	PR6-7600
NJ	Hoffman Electronics	310 Northern Blvd, Great Neck, NY	HU7-2660
NM	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
NY	Hoffman Electronics	310 Northern Blvd, Great Neck, NY	HU7-2660
NY	Robert W Jackson Co	4446 Main St, Buffalo 26, NY	CI2094
NY	Robert W Jackson Co	P.O. Box 52, Fayetteville, NY	NE7-3851
NC	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
ND	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Ohio	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Okla	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Ore	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Pa	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Pa	Hoffman Electronics	710 Mattison Ave, Asbury Park, NJ	PR6-7600
RI	Hoffman Electronics	419 Boylston St, Boston, Mass	KE6-3849
SC	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
SD	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Tenn	Hoffman Electronics	4230 S.W. 15th St, Miami 44, Fla	HI3-6065
Tex	Hoffman Electronics	6300 N. Central Expwy, Dallas, Tex	EM1-7964
Utah	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Vt	Hoffman Electronics	419 Boylston St, Boston, Mass	KE6-3849
Va	Hoffman Electronics	1625 I St, N.W., Washington, DC	ST3-4658
Wash	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
W. Va	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Wisc	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400
Wyo	Hoffman Electronics	1575 Laurel Ave, San Carlos, Cal	LY1-5796
Foreign	Hoffman Electronics	930 Pitner Ave, Evanston, Ill	UN9-2400

HOFFMAN ENGINEERING CORP ... **Anoka, Minn** **HA1-2242**

HOGAN FAXIMILE CORP ..... **155 Perry St, New York 14, NY** **CH2-7855**

HOLDEN-MASSEY CORP ..... **140 Allen Blvd, Farmingdale, NY** **CH9-2990**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	HOLIDAY TRANSFORMER CO	**2952 N. Sheffield Ave, Chicago, Ill**	**AL2-8500**
	HOLLAND STANDARDS INC	**Box 908, Cedar Rapids, Iowa**	**EM5-4760**
	HOLLINGSWORTH CO., SOLDERLESS TERMINAL DIV ...	**P.O. Box 430, Phoenixville, Pa**	**WE3-8947**
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-7343
Cal	J W Marsh Co	4216 W. Jefferson Blvd, Los Angeles 16	RE2-0145
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Ft. Myers, Fla	WE6-2181
Ga	E A Thornwell Inc	1537 Howell Mill Rd, Atlanta 18, Ga	TR5-7895
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Ill	Ritter Sales Co	P.O. Box 64, Deerfield, Ill	WI5-1400
Mass	Jack D Decker	40 Berkley St, Waltham 54, Mass	TW3-2682
Mich	Electro-Rep	22519 Telegraph Rd, Detroit 41, Mich	EL6-7211
Minn	A L Bussell & Co	4950 Knox Ave, S., Minneapolis 9, Minn	WA2-9182
Mo	Rudie Lorenz Co	9500A Gravois, St. Louis 23, Mo	
NY	R Berstein Co., Inc	31 Cooper Square, New York 3, NY	GR5-0706
NC	Harry T Altman	P.O. Box 8031, Charlotte, NC	EX9-8926
Ohio	Frank Ellis	900 Davis Ave, Cuyahoga Falls, Ohio	WA3-5157
Pa	P Franklin Bell	Hunters Ln, Devon, Pa	MU8-5011
Pa	Gene Wall	101 Investment Bldg, Pittsburgh 22, Pa	
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Va	A Fred Hanna	320 Myrtle Ave, Ashland, Va	SW8-8047
Wisc	Arthur L Vangsness	5127 N. Woodruff Ave, Milwaukee 17	ED2-7775
Canada	Leonard Electric Ltd	346 Bering Ave, Toronto 18, Ont, Canada	BE1-2731
	HOLO-KROME SCREW CORP ...	**Hartford 10, Conn**	**JA3-5235**
	HOLT INSTRUMENT LABS	**Oconto, Wisc**	**OC163**
	HOLTZER-CABOT DIV., NATIONAL PNEUMATIC CO., INC ..	**125 Amory St, Boston 19, Mass**	**JA4-7000**
Cal	Holtzer Cabot	6132 Whittier Blvd, Los Angeles 22, Cal	OU5-8280
Ill	Holtzer Cabot	549 W. Washington Blvd, Chicago 6, Ill	DE2-4232
Mich	Electro Sales Associates	36500 Weidsman Rd, Mt. Clemens, Mich	HO8-2461
Miss	O A Boomann	P.O. Box 3896, Kirkwood 22, Mo	PA6-6266
NY	Holtzer Cabot	420 Lexington Ave, New York 17, NY	LE2-8532
NY	Keller Ind Prod	217 East Ave, Rochester 4, NY	HA3255
Ohio	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Pa	Holtzer Cabot	7046 Castor Ave, Philadelphia 11, Pa	PI2-4646
Tex	Engineering Associates	2912 Stanley, Ft. Worth, Tex	WE7386
	HOLUB INDUSTRIES INC	**468 Elm St, Sycamore, Ill**	**SY2161**
	HOLYOKE WIRE & CABLE CORP ..	**720 Main St, Holyoke, Mass**	**JE3-3961**
Ariz	Gatrepco	1417 Georgia St, Los Angeles 15, Cal	RI9-8485
Cal	John H Ormond Co	600 Sixteenth St, Oakland, Cal	TW3-3235
Conn	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
Del	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
DC	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
Fla	Chris Small	P.O. Box 1346, Orlando, Fla	OR4-2071
Ill	Leroy Eschner	20 N. Wacker Dr, Chicago 6, Ill	CE6-1533
Ill	Tanler & Co	9827 Clayton Rd, St. Louis 24, Mo	WY3-1020
Ind	Electro Comp Sales Inc	1061 W. Grant Dr, Desplaines, Ill	DE2-4030
Iowa	Leroy Eschner	20 N. Wacker Dr, Chicago 6, Ill	CE6-1533
Ky	Electro Comp Sales Inc	1061 W. Grant Dr, Desplaines, Ill	DE2-4030
Me	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
Md	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
Mass	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
Mich	Product Sales Corp	2011/2 E. Grand River, East Lansing, Mich	ED2-6451
Minn	D A Schultz Co	801 S.E. Eighth St, Minneapolis 14, Minn	FE9-7701
Mo	Tanler & Co	9827 Clayton Rd, St. Louis 24, Mo	WY3-1020
Nev	John H Ormond	600 Sixteenth St, Oakland, Cal	TW3-3235
NH	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
NJ	Sam Bialek	205 E. 42nd St, New York 17, NY	MU4-1927
NJ	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
NY	Aaron Goaser	2070 Sheridan Dr, Kenmore 23, NY	DE0484
NY	Sam Bialek	205 E. 42nd St, New York 17, NY	MU4-1927
NC	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
Ohio	Frank J Campisano	5446 Green Acres Ct, Cincinnati 11, Ohio	HU1-2652
Pa	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
RI	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
Tenn	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
Vt	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
Va	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-2395
	HOWELITE DIV TEXTRON INC	**Port Chester, NY**	**WE9-3400**
	HOOVER ELECTRIC CO	**2100 S. Stoner Ave, Los Angeles 25, Cal**	
	HOOVER ELECTRONICS CO	**110 W. Timonium Rd, Timonium, Md**	**CL2-4000**
Cal	T E Harrowby	433 Heliotrope, Corona del Mar, Cal	OR3-1173
Ore	T E Harrowby	433 Heliotrope, Corona del Mar, Cal	OR3-1173
Wash	T E Harrowby	433 Heliotrope, Corona del Mar, Cal	OR3-1173
	HOPKINS ENGINEERING CO	**12900 Foothill Blvd, San Fernando, Cal**	**EM1-8691**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville, Ala	JE2-2811
Ariz	Paul Carten Associates Inc	217 S. Hinton Rd, Scottsdale, Ariz	WH5-3611
Cal	Hopkins Engineering Co	2332 El Camino Real, San Mateo, Cal	FI1-4174
Conn	Arthur T Hatton & Co	1000 Farmington Ave, West Hartford, Conn	AD3-3613
Del	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
DC	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Fla	Roy Attaway Co	7703 Meadowglen Dr, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ill	Withers & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Ind	Withers & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Ind	Callaghan-Bach	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Iowa	Withers & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Me	Arthur T Hatton & Co	1000 Farmington Ave, West Hartford, Conn	AD3-3613
Md	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Mass	Arthur T Hatton & Co	246 Walnut St, Newtonville, Mass	DE2-2021
Mich	Witters & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Minn	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis, Minn	FE9-4851
NH	Arthur T Hatton & Co	1000 Farmington Ave, West Hartford, Conn	AD3-3613
NJ	Kahgan Sales Corp	1261 Broadway, New York, NY	MU4-7772
NJ	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
NM	Paul Carter Associates Inc	217 S. Hinton Rd, Scottsdale, Ariz	WH5-3611
NY	Kahgan Sales Corp	1261 Broadway, New York, NY	MU4-7772
NY	Gislason Sales Inc	82 St. Paul St, Rochester, NY	LO2-8323
NC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ohio	Callaghan-Bach	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Pa	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
RI	Arthur T Hatton & Co	1000 Farmington Ave, West Hartford, Conn	AD3-3613
SC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Tenn	Callaghan-Bach	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Vt	Arthur T Hatton & Co	1000 Farmington Ave, West Hartford, Conn	AD3-3613
Va	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Wisc	Witters & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Wisc	Lloyd F Murphy & Associates	1700 Hennepin Ave, Minneapolis, Minn	FE9-4851
	HORLICK CO., INC WILLIAM I	**266 Summer St, Boston 10, Mass**	**HA6-2480**
	HORTON-ANGELL CO	**27 Bicknell St, Attleboro, Mass**	**AT1-1905**
	HORTON & HUBBARD MFG CO	**141 Canal St, Nashua, NH**	**TU3-5556**
NY	Horton & Hubbard Mfg	358 Fifth Ave, New York, NY	WI7-4050
	HOSKINS MFG CO	**4445 Lawton Ave, Detroit 8, Mich**	**TY5-2860**
Cal	E A Wilcox Co	173 Utah Ave, South San Francisco, Cal	PL6-7380
Cal	E A Wilcox Co	6436 E. Corvette St, Los Angeles 22, Cal	RA3-6436
Conn	J W Sterenberg, E K Bell	159 Main St, Stamford, Conn	FI8-4442
Ill	G A Finucan	104 Fox St, Cleveland 18, Ohio	TW6-4561
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	FE9-0707
NC	W K Hile Co	P.O. Box 6165, Charlotte 7, NC	FR7-5062
Ohio	R E Tanner	2000 Lee Road Bldg, Cleveland 18, Ohio	ER1-9529
Wash	Western Factors	2743 Fourth Ave, S., Seattle 4, Wash	MU2-3414
	HOTWATT INC	**75 Maple St, Danvers, Mass**	**SP4-3273**
	HOULIHAN CO., T J	**2510 W. Lawrence Ave, Chicago 25, Ill** ..	**LO1-0580**
	HOUSTON FEARLESS CORP	**11808 W. Olympic Blvd, L A 64, Cal**	**BR2-4331**
DC	R T Holtzworth	733 15th St, N.W. Washington 5, DC	EX3-3838
NY	Houston Fearless Corp	1775 Broadway, New York 19, NY	CI7-2976
Ohio	Howard Ingle	125 Sheldon Dr, Centerville 59, Ohio	TU5-2100
Pa	T C Weston Jr	2709 Woodleigh Rd, Havertown, Pa	SU9-7937
	HOUSTON INSTRUMENT CORP	**P.O. Box 22234, Houston, Tex**	**MO7-7405**
Ala	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ariz	McCarthy Associates Inc	111 W. Osborn Rd, Phoenix, Ariz	CR9-1891
Cal	McCarthy Associates Inc	1055 E. Walnut, Pasadena, Cal	MU1-7411
Conn	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
Ga	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ill	Anderson Automation	16 E. View St, Lombard, Ill	
Ind	Anderson Automation	16 E. View St, Lombard, Ill	
Me	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
Mass	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
Mich	J L Peirce Co	16666 James Couzens Hwy, Detroit 21	UN2-2571
NH	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
NJ	Q E D Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	Q E D Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Ohio	Elliott Sales Co	23473 Concord Dr, Westlake, Ohio	EDI-8911
Okla	Servo Electronic Products Co	P.O. Box 13371, Dallas 20, Tex	FL1-4653
RI	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Tex	Servo Electronic Products Co	P.O. Box 13371, Dallas 20, Tex	FL1-4653
Vt	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
Va	James L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Wisc	Anderson Automation	16 E. View St, Lombard, Ill	
Foreign	Fielden Electronics Pty Ltd	113 Whitehorse, Balwyn, Victoria, Austral	80 44 91
Foreign	Scientific Furnishing Ltd	Poynton, Cheshire, England	PQ2815
Foreign	Svenska Aktiebolaget Philips	Box 6007, Huvudkontor, Stockholm, Swed	34 05 80
	HOWARD INDUSTRIES	**1760 State St, Racine, Wisc**	**ME2-2731**
	HOWE INTERNATIONAL	**431 Dunforth, Dept E-7, Jersey City, NJ**	
	HOWE SCALE CO	**Rutland, Vt**	**PR5-5541**
	HOWELL INSTRUMENT CO	**3101 Trinity St, Fort Worth 7, Tex**	**ED6-4818**
Cal	W M Podolecz Sales Co	315 N. Leland Ave, W. Covina, Cal	ED7-8146
Mass	D Greene Oraganization Inc	P.O. Box 124, Cambridge, Mass	UN4-2220
NY	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
	HOYT ELECTRICAL INSTRUMENT WORKS INC	**42 Carleton St, Cambridge 42, Mass**	**EL4-1643**
Ala	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-7496
Ariz	H M Shoemaker & Associates	1127 Wilshire Blvd, Los Angeles, Cal	HU2-4672
Ark	Antle-Smith Sales	2721 Brookfield Ave, Dallas, Tex	FL7-7279
Cal	H M Shoemaker & Associates	1127 Wilshire Blvd, Los Angeles, Cal	HU2-4672
Colo	James H Dolliver	1750 Oneida St, Denver, Colo	FR7-4740
Del	Frank Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
DC	Frank Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Ga	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-7496
Idaho	James H Dolliver	1750 Oneida St, Denver, Colo	FR7-4740
Ill	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	P W Peterson	5513 W. Augusta Blvd, Chicago, Ill	CO1-1475
Ind	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Iowa	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Kan	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ky	F C Valentine Inc	511-12 Ft. Wayne Bank Bldg, Ft. Wayne	AN9122
La	Antle-Smith Sales	2721 Brookfield Ave, Dallas, Tex	FL7-7279
Md	Frank Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Mich	E C Imonex & Associates	16801 Hubbard Rd, Livonia, Mich	GA7-2430
Minn	Arlan Associates	207 E. Lake St, Minneapolis, Minn	TA4-4007
Miss	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-7496
Mo	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Mont	James Dolliver	1750 Oneida St, Denver, Colo	FR7-4740
Neb	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Nev	H M Shoemaker & Associates	1127 Wilshire Blvd, Los Angeles, Cal	HU2-4672
NJ	Frank Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
NM	James Dolliver	1750 Oneida St, Denver, Colo	FR7-4740
NY	Wall Associates	P.O.Box 26, DeWitt, NY	GI6-4100
NC	J E Joyner & Associates	P.O.Box 10821, Sta A, Atlanta, Ga	PL8-7496
ND	Arlan Associates	207 E. Lake St, Minneapolis, Minn	TA4-4007
Ohio	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Okla	Antle-Smith Sales	2721 Brookfield Ave, Dallas, Tex	FL7-7279
Ore	Roy E Ryberg	P.O. Box 4112, Seattle 99, Wash	AT2-4627
Pa	Frank Jones	2835 Holme Ave. Philadelphia Pa	OR3-7718
Pa	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh, Pa	LO1-5067
SC	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL8-7496
SD	Arlan Associates	207 E. Lake St, Minneapolis, Minn	TA4-4007
Tenn	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL8-7496
Tex	Antle-Smith Sales	2721 Brookfield Ave, Dallas, Tex	FL7-7279
Utah	J H Dolliver	1750 Oneida St, Denver, Colo	FR7-4740
Va	Frank Jones	2835 Holme Ave, Philadelphia, Pa	OR3-7718
Va	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL8-7496
Wash	Roy E Ryberg	P.O. Box 4112, Seattle 99, Wash	AT2-4627
W. Va	Tanner & Covert	300 Mt. Lebonan Blvd, Pittsburgh, Pa	LO1-5067
Wisc	Arlan Associates	207 E. Lake St, Minneapolis, Minn	TA4-4007
	HUCK MFG CO	**2400 Bellevue Ave, Detroit 7, Mich**	**WA3-4500**
Ala	J O Oldson	P.O. Box 6346, Mobile, Ala	HE8-2466
Cal	Huck Mfg Co	220 N. Daphne Ave, Los Angeles, Cal	PL7-3181
Colo	E C Wild	1163 S. Cherokee, Denver 23, Colo	SH4-1253
Fla	Frank A Dobbe	P.O. Box 965, Anna Maria, Fla	9-4943
Ga	Huck Mfg Co	3272 Peachtree Rd, N.E. Atlanta, Ga	CE3-9408
Hawaii	Robert E Ebert	4626 Moho, Honolulu 16, Hawaii	715303
Ill	Butt/Gibler	725 Forestview, Park Ridge, Ill	HA7-0444
Kan	D V Steele	9827 Hardtner Ave, Wichita 12, Kan	AM2-1454
Md	Duff Swain	Corbett Rd, Monkton P.O., Md	MU5-5423
Mass	Wm J Newton	17 Pamela Rd, Framingham, Mass	TR2-4420
Minn	W S Clinton	11180 Quinn Ave, S. Minneapolis 20	TU8-2976
Mo	Huck Mfg Co	2046 Belle Ave, St. Louis 36, Mo	EV8-2020
Neb	James Auckley	3816 N. 60th St, Omaha, Neb	HA8-600
NJ	Paul J Smith	1138 Maple Ct, Mountainside, NJ	MU4-7111
NY	Fred Coelen	6 Centre St, Hempstead, NY	IV9-3211
NY	Sam Egnot	1306 Prudential Bldg, Buffalo, NY	MO2420
Ohio	Norm Miller	7320 Quail Hollow Rd, Cincinnati, Ohio	GA1-2545
Ohio	George Parker	1212 Rydale Rd, Dayton 5, Ohio	BA2-4728
Pa	Gerald B Coe	Old State Rd, Valencia, Pa	AT1-6050
Pa	Huck Mfg Co	1 Wynnewood Rd, Wynnewood, Pa	TR8-4725
Tenn	Sam Nicotero	195 Parkdale, Memphis 9, Tenn	EX7-3739
Tex	R B Brackeen	P.O. Box 1845, Fort Worth 1, Tex	PE2-2634
Va	William C Williams	480 Catesby Ln, Williamsburg, Va	CA9-2587
Wash	W M Freeburg	P.O. Box 33, Boeing Field, Seattle 8	PA5-7066
	HUDSON AMERICAN DIV VOCALINE CO of AMERICA INC	**Old Saybrook, Conn**	**EV8-3414**
	HUDSON BAY CO DIV LABLINE INC	**3070 W. Grand Ave, Chicago 22, Ill**	**JA2-5151**
	HUDSON LAMP CO	**528 Elm St, Kearny, NJ**	**WY1-4834**
Ala	Paul Oxley	P.O. Box 2004, Macon, Ga	MA3-6160
Cal	F W Moulthrop Co	575-10th St, San Francisco 3, Cal	MA1-0722
Conn	George Feldman Associates	523 Norton Pkwy, New Haven 11, Conn	SP6-7843
Del	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
DC	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
Fla	Paul Oxley	P.O. Box 2004, Macon, Ga	MA3-6160
Ga	Paul Oxley	P.O. Box 2004, Macon, Ga	MA3-6160
Ill	Edward C Hajduk Co	5150 N. Mulligan Ave, Chicago 30, Ill	RO3-8445
Ind	Edward C Hajduk Co	5150 N. Mulligan Ave, Chicago 30, Ill	RO3-8445
La	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	
Me	George Feldman Associates	523 Norton Pkwy, New Haven 11, Conn	SP6-7843
Md	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
Mass	George Feldman Associates	523 Norton Pkwy, New Haven 11, Conn	SP6-7843
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Hamilton & Bayle Association Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
NH	George Feldman Associates	523 Norton Pkwy, New Haven 11, Conn	SP6-7843
NJ	George A Shelps	1625 Spruce St, Philadelphia 3, Pa	KI6-1066
NY	Dana Beach Co	101 Park Ave, New York 17, NY	MU5-1776
NY	James Albert Pennington	36 Winthrop St, Rochester 7, NY	BA5-9818
NC	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
ND	Hamilton & Bayle Association Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Ohio	Emerson H Alexander	545 Hemlock Point Rd, Chagrin Falls	ED8-6861
Okla	Jack Yount & Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Pa	George A Shelps	1625 Spruce St, Philadelphia 3, Pa	KI6-1066
SC	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
SD	Hamilton & Bayle Association Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tex	Jack Yount & Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Vt	George Feldman Associates	523 Norton Pkwy, New Haven 11, Conn	SP6-7843
Va	Electronic Specialties	P.O. Box 5516, Washington, DC	WH6-1512
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto, Canada	RU1-6174
	HUDSON TOOL & DIE CO., INC.	**18 Malvern St, Newark 6, NJ**	**MA4-1802**
Ariz	Lloyd E West Co	262 S. Los Robles, Pasadena, Cal	MU1-5281
Cal	John E Striker Co	Box 548, San Carlos, Cal	LY1-0736
Cal	Lloyd E West Co	262 S. Los Robles Ave, Pasadena, Cal	MU1-5281
Del	J E McLean Sales Co	320 York Dr, Waynesboro, Va	WH2-8678
Ill	Karl D Engle Co	4724 N. Sheridan Rd, Chicago, Ill	UP8-6363

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	Karl D Engle Co	4724 N. Sheridan Rd, Chicago, Ill	UP8-6363
Md	J E McLean Sales Co	320 York Dr, Waynesboro, Va	WH2-8678
Minn	Russell G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
NM	Lloyd E West Co	262 S. Los Robles Ave, Pasadena, Cal	MU1-5281
NC	J E McLean Sales Co	320 York Dr, Waynesboro, Va	WH2-8678
Ohio	Augey Natalino	Box 644, Stow, Ohio	OV8-3930
Pa	Augey Natalino	Box 644, Stow, Ohio	OV8-3930
SC	J E McLean Sales Co	320 York Dr, Waynesboro, Va	WH2-8678
Va	J E McLean Sales Co	320 York Dr, Waynesboro, Va	WH2-8678
Wisc	Karl D Engle Co	4724 N. Sheridan Rd, Chicago, Ill	UP8-6363
	HUDSON WIRE CO	**62 Water St, Ossining, NY**	**WI1-8500**
Cal	Hudson Wire Co	5057 W. Washington Blvd, Los Angeles 16	WE1-1041
Cal	Hudson Wire Co	941 Charleston Rd, Palo Alto, Cal	DA1-5064
Conn	Hudson Wire Co	495 Bunker Hill Rd, Waterbury, Conn	PL4-0906
Conn	Winsted Division	Winsted, Conn	FR9-3341
Fla	Hudson Wire Co	P.O.Box 1676, Casselberry, Fla	MI4-3311
Ill	Hudson Wire Co	4000 W. North Ave, Chicago 39, Ill	HU9-4430
Ind	Hudson Wire Co	Box 338, South Whitley, Ind	SO350
Mich	Hudson Wire - Cassopolis Div	Cassopolis, Mich	HI5-2424
Mo	Hudson Wire Co	9827 Clayton Rd, St. Louis 24, Mo	WY3-1020
NJ	Hudson Wire Co	375 W. State Street, Trenton 8, NJ	EX6-9297
NY	Hudson Wire Co	9 E. Genesee St, Skaneateles, NY	OV5-5711
NY	Hudson Wire Co	75 West St, New York, NY	BO9-8354
NY	Hudson Wire Co	75 Willow St, Guiderland, NY	HE8-8100
NY	Hudson Wire Co	101 Briarcliff Rd, Rockester 16, NY	NO3-1997
Ohio	Hudson Wire Co	19555 Henry Rd, Cleveland 26, Ohio	ED1-1500
Tenn	Hudson Wire Co	Box 10104, Knoxville, Tenn	WO6-4762
Tex	Hudson Wire Co	Box 13026, Dallas 20, Tex	FL2-7484
	HUENEFELD CO	**2701 Spring Grove Ave, Cincinnati 25, Ohio**	**KI1-4510**
Ala	Joseph B Babb	Birmingham, Ala	FA4-1960
Ark	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
Del	Wm H Martens	Bethlehem, Pa	UN7-4702
DC	Chas C Laney Agency	Richmond, Va	BR2-0059
Fla	Joseph B Babb	Birmingham, Ala	FA4-1960
Idaho	Pacific Electric Sales Co	Portland, Ore	VE1585
Ill	Aberdeen Electric Sales	Chicago, Ill	AV6-8164
Ill	Ralph Drenkhahn	St. Louis, Mo	CH1-4350
Ind	Aberdeen Electric Sales	Chicago, Ill	AV6-8164
Ind	Irvin E Fultz Co	Louisville, Ky	GL2-2996
Iowa	Aberdeen Electric Sales	Chicago, Ill	AV6-8164
Iowa	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
Kan	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
Ky	Irvin E Fultz Co	Louisville, Ky	GL2-2996
Ky	Louis J Volk Co	Cincinnati, Ohio	PA1-6886
Md	Chas C Norrish Co	Pittsburgh, Pa	AT1-8466
Mich	Popkin Brothers	Detroit, Mich	WA3-9470
Minn	Russ Gerde Inc	Minneapolis, Minn	WE9-0969
Mo	Ralph Drenkhahn	St. Louis, Mo	CH1-4350
Mo	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
Mont	Pacific Electric Sales Co	Portland ,Ore	VE1585
Neb	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
NJ	Wm D Schofield	New York, NY	LO9-1600
NJ	Wm H Martens	Bethlehem, Pa	UN7-4702
NM	Ralph B Black	Albuquerque, NM	5-9625
NY	Herbert P Ries	Rochester, NY	CH2-4810
NY	Wm D Schofield	New York, NY	LO9-1600
NC	Jim Hash & Co	Knoxville, Tenn	8-5805
ND	Russ Gerde Inc	Minneapolis Minn	WE9-0969
Ohio	Popkin Brothers	Detroit, Mich	WA3-9470
Ohio	Louis J Volk Co	Cincinnati, Ohio	PA1-6886
Okla	Wm B Terry Organizations Inc	Kansas City, Mo	GR1-2711
Ore	Pacific Electric Sales Co	Portland, Ore	VE1585
Pa	Chas C Norrish Co	Pittsburgh, Pa	AT1-8466
Pa	Wm H Martens	Bethlehem, Pa	UN7-4702
SC	Jim Hash & Co	Knoxville, Tenn	8-5805
SD	Russ Gerde Inc	Minneapolis, Minn	WE9-0969
Tenn	Mathews & Brokaw	Nashville, Tenn	CH2-7711
Tex	Ralph B Black	Albuquerque, NM	5-9625
Va	Chas C Langy Agency	Richmond, Va	BR2-0059
Wash	Pacific Electric Sales Co	Portland, Ore	VE1585
W. Va	Popkin Brothers	Detroit, Mich	WA3-9470
Wisc	Russ Gerde Inc	Minneapolis, Minn	WE9-0969
	HUFCO INDUSTRIES	**2815 W. Olive Ave, Burbank, Cal**	**VI9-2118**
Cal	McKnight Co	P.O. Box 543, Menlo Park, Cal	DA6-3762
	HUGGINS LABORATORIES	**999 Arques Ave, Sunnyvale, Cal**	**RE6-9330**
Cal	John Francis O'Halloran & Associates	11636 Ventura Blvd, North Hollywood, Cal	TR7-0173
Colo	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
DC	Burlingame Associates	8218 Wisconsin Ave, Wash 4, DC	OL4-6400
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR5-7291
Ill	Cozzens & Cudaky Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
NY	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MO4-7530
Tex	Pirep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Canada	Radionics Ltd	8230 Mayrand St, Montreal 9, Canada	RE9-5517
Foreign	Sassoon Sopher Inc	630 Fifth Ave, New York 20, NY	
Foreign	Radio Equipments	65 Rue de Richelieu, Paris 2E, France	
Foreign	Henley & Co	202 E. 44th St, New York 17, NY	
Foreign	Sales Reps in Principal Countries		
	HUGHES INDUSTRIAL SYSTEMS DIV	**Intl Airport Sta, Los Angeles 45, Cal**	**ORO-1515**
Ala	S S Lee Associates Inc	Terry-Hutchers Bldg, Huntsville, Ala	JE6-0631
Ariz	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Ark	M Speairs	3801 Westcliff W., Ft. Worth, Tex	WA6-4445
Cal	Earl S Condon Co	3450 Wilshire Blvd, Los Angeles, Cal	DU1-3951
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Colo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ	MU8-6100
Del	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ	MU8-6100
DC	Hughes Products	1612 K St, N.W., Washington, DC	ST3-3282

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	CH1-4445
Ga	S S Lee Associates Inc	Terry Hutchs Bldg, Huntsville, Ala	JE6-0631
Idaho	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
Ill	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Ind	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Iowa	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Kan	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Ky	Lowry Deitrich Co	Marion Bldg, Cleveland, Ohio	SU1-1855
Ky	Lowry Deitrich Co	333 W. 1st St, Dayton, Ohio	BA3-6042
La	M Speairs	3801 Westcliff, W., Ft. Worth, Tex	WA6-4445
Me	Cowperthwaite & Broadhead	570 Hillsdale, Needham Hgts, Mass	HI4-9410
Md	S S Lee Associates	Box 205, Lutherville, Md	VA3-3434
Md	S S Lee Associates	2521 Ennals Ave, Wheaton, Md	LO5-3066
Mass	Cowperthwaite & Broadhead	570 Hillsdale, Needham Hgts, Mass	HI4-9410
Mich	Electro Mation	4012 E. 9 Mile Rd, Warren, Mich	JE6-1000
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Miss	M Speairs	3801 Westcliff, W., Ft. Worth, Tex	WA6-4445
Mo	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Mont	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
Neb	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Nev	McCarthy Associates	1055 E. Walnut, Pasadena, Cal	MU1-7411
NH	Cowperthwaite & Broadhead	570 Hillsdale, Needham Hgts, Mass	HI4-9410
NJ	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ	MU8-6100
NM	Hyde Electronics	5206 Constitution, Albuquerque, NM	AM8-1111
NY	H C Johnson Agencies	9 Ivan Ln, Binghampton, NY	3588
NY	H C Johnson Agencies	111 Mt. Hope Ave, Rochester, NY	HA6-1090
NC	S S Lee Associates Inc	Box 906, Winston Salem, NC	ST8-0431
ND	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Ohio	Lowry Deitrich Co	Marion Bldg, Cleveland, Ohio	SU1-1855
Ohio	Lowry Deitrich Co	333 W. 1st St, Dayton, Ohio	BA3-6042
Okla	M Speairs	3801 Westcliff, W., Ft. Worth, Tex	WA6-4445
Ore	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
Pa	Lowry Deitrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
RI	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ	MU8-6100
SC	S S Lee Associates Inc	Box 906, Winston Salem, NC	ST8-0431
SD	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Tenn	Hughes Products	6120 W. North Ave, Chicago, Ill	NA2-0283
Tex	M Speairs	3801 Westcliff Rd, S., Ft. Worth, Tex	WA6-4445
Utah	Hyde Electronics	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Cowperthwaite & Broadhead	570 Hillsdale, Needham Hgts, Mass	HI4-9410
Va	S S Lee Associates Inc	Box 906, Winston -Salem, NC	ST8-0431
Wash	Harry Levinson Co	1117 2nd Ave, Seattle, Wash	MA2-5433
W. Va	Lowry Deitrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
Wisc	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Wyo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Foreign	Hughes Intl Div	Florence & Teale Sts, Culver City, Cal	UPO-7111
	HUGHES MICROWAVE COMPONENTS DIV	**Florence & Teale, Culver City, Cal**	**UPO-7111**
Ariz	Radio Specialties & Appliance Corp	917 N. 7th St, Phoenix, Ariz	AL8-6121
Cal	Kierulff Electronics Inc	820 W. Olympic Blvd, Los Angeles 15	RI7-0271
Cal	Hughes Aircraft	690 N. Sepulveda Blvd, El Segundo, Cal	OR8-6125
Cal	Hughes Aircraft	535 Middlefield Rd, Palo Alto, Cal	DA6-7780
Cal	Hughes Aircraft	3045 Rosecrans St, San Diego 10, Cal	AC2-0404
Cal	Newark Electric Co., Inc	4747 W. Century Blvd, Inglewood, Cal	OR4-8440
Cal	Elmar Electronics Inc	140 11th St, Oakland 7, Cal	HI4-7011
Cal	Western Radio & TV Supply Co	1410 India St, San Diego, Cal	BE9-0361
Colo	Ward Terry Co	70 Rio Grande Blvd, Denver 4, Colo	AM6-3181
Conn	Radio Shack Corp	230 Crown St, New Haven, Conn	ST7-7121
Fla	East Coast Radio & TV Co	1900 N.W. Miami Ct, Miami 36, Fla	FR1-4635
Fla	Hughes Aircraft	104 E. Gore Ave, Orlando, Fla	CH1-2538
Ill	Allied Radio Corp	100 N. Western Ave, Chicago 80, Ill	HA1-6800
Ill	Newark Electric Corp	223 W. Madison St, Chicago 6, Ill	ST2-2944
Ill	Hughes Aircraft	1515 N Harlem Ave, Oak Park, Ill	NA2-0283
Iowa	Deeco Inc	618 1st St, N.W., Cedar Rapids, Iowa	EM4-2493
Md	Kann-Ellert Electronics Inc	9 S. Howard St, Baltimore, Md	FA7-4242
Md	Kann-Ellert Electronics Inc	2414 Reedie Dr, Silver Spring, Md	LO5-5200
Md	Hughes Aircraft	8605 Cameron St, Silver Spring, Md	JU5-6140
Mass	Radio Shack Corp	730 Commonwealth Ave, Boston 17, Mass	RE4-1000
Mass	Hughes Aircraft	4 Federal St, Woburn, Mass	WE3-4824
Mich	Radio Specialties Co	456 Charlotte Ave, Detroit 1, Mich	TE3-9800
Mich	Hughes Aircraft	18440 Livernois Ave, Detroit, Mich	LN3-6700
Minn	Lew Bonn Co	1211 La Salle Ave, Minneapolis, Minn	FE9-6351
Minn	Hughes Aircraft	6121 Excelsior, Minneapolis 16, Minn	WE9-0461
NJ	Hughes Aircraft	80 Mulberry St, Newark 2, NJ	MA3-3520
NM	Radio Specialties Co., Inc	209 Pennsylvania Ave, Alamogordo, NM	HE7-0370
NY	Hughes Aircraft	224 Harrison St, Syracuse 2, NY	GR1-0163
NY	Summit Distributors Inc	916 Main St, Buffalo 2, NY	GR3100
NY	Arrow Electronics Inc	525 Jericho Trnpk, Mineola, NY	PI6-8686
NY	Terminal Electronics	236 W. 17th St, New York 6, NY	CH3-5200
NY	Hudson Radio & TV Corp	48 W. 48th St, New York 19, NY	TR3-2900
NY	Morris Distributing Co., Inc	1153 W. Fayette St, Syracuse, NY	GR5-9955
Ohio	Akron Electronic Supply	107 S. Arlington, Akron 6, Ohio	PO2-8818
Ohio	Mytronics Inc	2145 Florence Ave, Cincinnati 6, Ohio	WO1-4600
Ohio	Hughes Aircraft	816 Swifton Ctr, Cincinnati 37, Ohio	EL1-5665
Pa	Radio Electric Service Co	7th & Arch Sts, Philadelphia 6, Pa	WA5-5840
Pa	Hughes Aircraft	1 Bala Ave, Bala-Cynwyd, Pa	MO4-8365
Tex	Wholesale Electronics Supply	2800 Ross Ave, Dallas 1, Tex	TA4-3001
Tex	Wofford Electronic Co	1423 Holman St, Houston 4, Tex	JA6-4369
	HUGHES MICROWAVE TUBE DIV	**Intl Airport Sta, Los Angeles 45, Cal**	**ORO-1515**
NJ	Hughes Aircraft Co	80 Mulberry St, Newark, NJ	MA3-3520
	HUGHES SEMICONDUCTOR DIV	**Box 278, Newport Beach, Cal**	**LI8-0671**
Ariz	Radio Spec & Appl Corp	917 N. 17 St, Phoenix, Ariz	AL8-6121
Cal	Hughes Aircraft Co	3045 Rosecrans St, San Diego 10, Cal	AC2-0404
Cal	Hughes Aircraft Co	535 Middlefield Rd, Palo Alto, Cal	DA6-7780
Cal	Hughes Aircraft Co	690 N. Sepulveda, El Segundo, Cal	OR8-6125
Colo	Hughes Aircraft Co	3385 S. Bannock, Denver, Colo	SU9-0549
Conn	Radio Shack Corp	230 Crown St, New Haven, Conn	ST7-7121
DC	Hughes Aircraft Co	2000 K St, Washington, DC	FE7-6760
Fla	Hughes Aircraft Co	104 E. Gore Ave, Orlando, Fla	CH1-2538
Ill	Hughes Aircraft Co	1515 N. Harlem Ave, Oak Park, Ill	NA2-0283
Iowa	Deeco Inc	618 1st St, N.W., Cedar Rapids, Iowa	EM4-2493
Md	Kann-Ellert Electronics Inc	9 S. Howard St, Baltimore, Md	FA7-4242

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	Hughes Aircraft Co	4 Federal St, Woburn, Mass	WE3-4824
Mich	Hughes Aircraft Co	18440 Livernois Ave, Detroit, Mich	UN3-6700
Minn	Hughes Aircraft Co	6121 Excelsior, Minneapolis 16, Minn	WE9-0461
NJ	Hughes Aircraft Co	80 Mulberry St, Newark 2, NJ	MA3-3520
NM	Radio Specialties Co., Inc	209 Penna Ave, Alamogordo, NM	HE7-0370
NY	Hughes Aircraft Co	224 Harrison St, Syracuse 2, NY	GR1-0163
NY	Hughes Aircraft Co	600 Old Country Rd, Garden City, NY	PI1-4620
Ohio	Hughes Aircraft Co	816 Swifton Center, Cincinnati 37, Ohio	EL1-5665
Pa	Hughes Aircraft Co	1 Bala Ave, Bala-Cynwyd, Pa	MO4-8365
Tex	Wofford Electronic Co	1423 Holman St, Houston 4, Tex	JA6-4369
Tex	Wholesale Electronic Supply	2800 Ross Ave, Dallas 1, Tex	TA4-3001
	HUGHES VACUUM TUBE PRODUCTS DIV	**Oceanside, Cal**	**SA2-2101**
Cal	Bailey Equipment Co	3856 California St, San Diego, Cal	CY5-5141
Cal	Hughes Aircraft Co	Box 90427, Intl Airport Sta, L A 45, Cal	OR0-1515
Cal	Victor Equipment Co	840-54 Folsom St, San Francisco, Cal	GA1-3000
Cal	Victor Equipment Co	2325 Lafayette St, Santa Clara, Cal	CH8-2662
Fla	Frank Becker	17715 Gulf Blvd 129, St. Petersburg, Fla	WA1-4196
Ill	Welding Process Equipment Corp	1302 Bryn Mawr Ave, Chicago, Ill	RA6-7695
Ill	Pete Papas	6120 W. North Ave, Chicago, Ill	NA2-0283
NH	Consolidated Engineering Serv Co	Amherst, NH	MI925
NJ	Jersey Welding Supply	234 E. 3rd St, Plainfield, NJ	PL4-9308
NJ	Charter Welding Inc	Ridgewood/Newton, New Brunswick, NJ	
NY	Eastern Welding Equipment Co., Inc	775 Old Country Rd, Westbury, NY	ED3-0110
NY	Jamesco Inc	535 Buffalo Rd, Rochester, NY	GE8-9852
NY	Jamesco Inc	35 Dale St, Buffalo 10, NY	TR700
Ohio	Universal Welder Corp	3537 Lee Rd, Cleveland 20, Ohio	WY1-9222
	HUGHEY & PHILLIPS INC	**3200 N. San Fernando Blvd, Burbank, Cal**	**VI9-1104**
DC	Frank J Little Jr	2801 Quebec St, Washington 8, DC	KE7-0495
Ill	Robert L Lang & Associates	6733 W. Olmsted, Chicago 31, Ill	SP4-3610
Ind	Robert L Lang & Associates	6733 W. Olmsted, Chicago 31, Ill	SP4-3610
Iowa	Robert L Lang & Associates	6733 W. Olmsted, Chicago 31, Ill	SP4-3610
NY	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7309
Ohio	John E Epps	1519 Crescent Blvd, Dayton 9, Ohio	AX3-1281
Tex	L R Ward Co	3009-11 Canton St, Dallas 26, Tex	RI1-9004
Tex	L R Ward Co	3605 Polk Ave, Houston 3, Tex	CA5-0356
Canada	Beechey Enterprises	1162 Main St, N., Weston, Ont, Canada	CH4-8051
	HULL CORP	**Dewisville Rd, Hatboro, Pa**	**OS5-5000**
Ala	Wells Engineering & Sales Co	5547 Peachtree Indl Blvd, Atlanta, Ga	GL7-6223
Ariz	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Cal	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Colo	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Fla	Wells Engineering & Sales Co	5547 Peachtree Indl Blvd, Atlanta, Ga	GL7-6223
Ga	Wells Engineering & Sales Co	5547 Peachtree Indl Blvd, Atlanta, Ga	GL7-6223
Idaho	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Ill	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Ind	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Iowa	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Kan	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
La	Southwest Engineering & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
Mich	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Minn	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Mo	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Mont	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Neb	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Nev	Loren Patrick Associates	1107 S. Fremont, Alhambra, Cal	CU3-6371
NM	Southwest Engineering & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
NC	Wells Engineering & Sales Co	5547 Peachtree Indl Blvd, Atlanta, Ga	GL7-6223
ND	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Okla	Southwest Engineering & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
Ore	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
SC	Wells Engineering & Sales Co	5547 Peachtree Indl Blvd, Atlanta, Ga	GL7-6233
SD	John Cook	303 hazelwood Dr, Naperville, Ill	NA2477
Tenn	Wells Engineering & Sales Co	5547 Peachtree Blvd, Atlanta, Ga	GL7-6233
Tex	Southwest Engineering & Equipment Co	4045 Lemmon Ave, Dallas, Tex	LA6-7433
Utah	Loren Patrick Associates	1107 S. Fremont, Alhambra, Cal	CU3-6371
Wash	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Wisc	John Cook	303 Hazelwood Dr, Naperville, Ill	NA2477
Wyo	Loren Patrick Associates	1107 S. Fremont St, Alhambra, Cal	CU3-6371
Foreign	Ballagh & Thrall	Schaff Bldg, Philadelphia, Pa	LO4-4020
Canada	Williams & Wilson	71 Front St, E., Toronto, Canada	EM3-8731
	HUMBLE MFG CO LTD	**1695 W. 2nd Ave, Vancouver 9, B C, Can**	**RE6-8104**
	HUMPHREY CASTINGS INC	**3944 Riley St, San Diego 10, Cal**	**CY6173**
Ariz	Martin D Hecht & Associates	5019 Cherry Lynn Rd, Phoenix, Ariz	
Cal	Don Shoemaker & Associates	1171 Weshire Blvd, Los Angeles 17, Cal	MI1304
	HUMPHREY INC	**2805 Canon St, San Diego, Cal**	**AC3-1654**
Cal	Transdynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Conn	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Del	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
DC	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
Fla	C G Coppage Co	P.O.Box 95, Winter Park, Fla	MI4-6842
Idaho	Hytronic Measurements Inc	1295 S. Bannock, Denver 23, Colo	PE3-3701
Ill	Oem Sales Co	Box 55232, Indianapolis 5, Ind	LI6-2452
Ind	Oem Sales Co	Box 55232, Indianapolis 5, Ind	LI6-2452
Kan	W N Rider	10940 Pinocchio Dr, Dallas 29, Tex	FL7-7255
Me	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Md	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Mich	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Mo	Oem Sales Co	Box 55232, Indianapolis 5, Ind	LI6-2452
NH	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
NM	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
NY	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
NC	General Enterprises Inc	Box 3274, Greenville, SC	CE5-0449
Okla	W H Bolton Co	9961 Dresden Dr, Dallas 20, Tex	FL1-4981
Ore	Transdynamics Inc	1215 Poplar Pl, Seattle 44, Wash	EA4-0366
Pa	Humphrey Inc	N. Phila Airport, Philadelphia 36, Pa	OR3-2323
RI	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Tex	W N Rider	10940 Pinocchio Dr, Dallas 29, Tex	FL7-7255
Tex	W H Bolton Co	9961 Dresden Dr, Dallas 20, Tex	FL1-4981
Utah	George & Meyer Inc	Box 2463, Houston 1, Tex	JA3-8179
Utah	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Vt	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Wash	Transdynamics Inc	1215 Poplar Pl, Seattle 44, Wash	EA4-0366
Wisc	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Wisc	Frank W Yarline & Co	20 N. Wacker Dr, Chicago 6, Ill	ST2-0347
Foreign	Industrial Imports Ltd	Central P O 1271, Tokyo, Japan	
Canada	Railway & Power Engr Corp Ltd	3745 St. James St, W., Montreal 3, Quebec, Canada	
	HUNT CO., PHILIP A	**Palisades Park, NJ**	**WA-4000**
Cal	Philip A Hunt Co	2252 E. 37th St, Los Angeles 58, Cal	LU2-8136
Cal	Philip A Hunt Co	420 Market St, San Francisco 11, Cal	YU6-4761
DC	Philip A Hunt Co	734 - 15th St, N.W., Washington 5, DC	EX3-3872
Ill	Philip A Hunt Co	2106 W. Fullerton Ave, Chicago 47, Ill	HU6-8500
Mass	Philip A Hunt Co	111 Binney St, Cambridge 42, Mass	TR6-7050
NY	Philip A Hunt Co	47-20 30th St, Long Island City 1, NY	EM1-9500
Ohio	Philip A Hunt Co	5150 Grant Ave, Cleveland 25, Ohio	DI1-9132
Tex	Philip A Hunt Co	2nd Unit Santa Fe Bldg, Dallas 2, Tex	RI8-2279
	HUNT CORP., THE	**453 Lincoln St, Carlisle, Pa**	**CH9-2232**
Cal	The Palintron Corp	P.O.Box 367, Pacific Palisades, Cal	GL4-3776
DC	T A Perrott Eng	3305 N. Pershing Dr, Arlington, Va	JA8-5861
Fla	Chris Small Co	P.O.Box 1346, Orlando, Fla	OR4-2071
Ill	W F Swinke & Co	541 Diversey Pkwy, Chicago 14, Ill	BI8-4343
NY	Royce Richard	290 Orient Way, Rutherford, NJ	WE3-1865
NY	I A Hotze Co., Inc	112 DeWitt St, Syracuse 3, NY	GR9-7387
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Foreign	Sylvan Ginsbury	8 W. 40th St, New York 18, NY	LO4-7585
	HUNTER MFG CO.	**Box 153, Coralville Br, Iowa City, Iowa**	**83161**
	HUNTER SALES CO., INC., R N	**9851 Alberitis Ave, Santa Fe Springs, Cal**	**OX2-7231**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ariz	George E Metcalf Co	232 E. 20th Ave, Denver 5, Cal	AC2-2062
Ark	MacRae Smith Sales	P.O. Box 35113, Dallas	BL3-2006
Cal	E W Brandt	1122 Folson St, San Francisco 3, Cal	
Cal	Terry Erikson	P.O. Box 424, Pico, Cal	OX9-3719
Colo	George E Metcalf Co	232 E. 20th Ave, Denver 5, Colo	AC2-2062
Conn	Edward Carroll	165 London Dr, Hamden, Conn	AT8-0044
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Hawaii	Grinnon & Moreira Inc	912 Emily St., Honolulu, Hawaii	
Idaho	Blaine Dabney	P.O. Box 240, Dayton, Ohio	DA6413
Ill	Morton L Friedman	2814 W. Balmoral, Chicago 25, Ill	LO1-4257
Ind	Charles Scheffler	1133 Navajo Trail, Indianapolis 26, Ind	
Iowa	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	
Kan	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	
Ky	Charles Sheffler	1133 Navajo Trail, Indianapolis 26, Ind	LO1-4257
La	MacRae-Smith Sales	P.O. Box 35113, Dallas, Tex	BL3-2006
Me	Lawrence B Cole & Co	21 Radcliff Rd, Weston, Mass	
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Lawrence B Cole & Co	21 Radcliff Rd, Weston, Mass	
Minn	Ambassador Sales	Rt 1, Mound, Minn	
Miss	L R Massey	304 E. Jefferson, Greenwood	
Mo	Norman W Kathernus & Co	4356 Duncan Ave, St. Louis 10	
Mont	George E Metcalf Co	232 E. 20th Ave, Denver 5, Cal	AC2-2062
Neb	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	
NH	Lawrence B Cole & Co	21 Radcliff Rd, Weston, Mass	
NJ	Irv Morse	2351 E. 65th St, Brooklyn, NY	CO7-2913
NM	George E Metcalf Co	232 E. 20th Ave, Denver 5, Cal	AC2-2062
NY	Irv Morse	2351 E. 65th St, Brooklyn, NY	CO7-2913
NY	Fish Associates	1922 Oneida St, Utica 3, NY	2-1008
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
ND	Ambassador Sales	Rt 1, Mound, Minn	
Ohio	Tom Shelby	319 S. Franklin St, New Bremen	
Okla	MacRae-Smith Sales	P.O. Box 35113, Dallas, Tex	BL3-2006
Ore	Blaine Dabney	P.O. Box 240, Dayton, Ohio	DA6413
Pa	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
RI	Lawrence B Cole & Co	21 Radcliff Rd, Weston, Mass	
SC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
SD	Ambassador Sales	Rt. 1, Mound, Minn	
Tenn	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Tex	Arthur H Swartz	5003 Kelso St, Houston 21, Tex	OL4-9837
Utah	George E Metcalf Co	232 E. 20th Ave, Denver 5, Cal	AC2-2062
Vt	Lawrence B Cole & Co	21 Radcliff Rd, Weston, Mass	
Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	Blaine Dabney	P.O. Box 240, Dayton, Ohio	DA6413
W. Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wisc	Morton L Friedman	2814 W. Balmoral, Chicago 25, Ill	LO1-4257
Wyo	George E Metcalf Co	232 E. 20th Ave, Denver 5, Cal	AC2-2062
Canada	Len Finkler & Co	1794 Avenue Rd, Toronto 12, Ont, Can	RU1-5232
	HUNTER TOOL CO	**9851 Alberitis, Santa Fe Springs, Cal**	**OX2-7231**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ariz	George Metcalf Co	232 E. 20th Ave, Denver, Colo	AC2-2062
Ark	Mac-Rae-Smith Sales	P.O. Box 35113, Dallas, Tex	BL3-2006
Cal	Terry Erikson Tool Co	P.O. Box 424, Pico, Cal	OX9-3719
Colo	George Metcalf Co	232 E. 20th Ave, Denver, Colo	AC2-2062
Conn	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Hawaii	Grinnon & Moreira Inc	712 Emily St, Honolulu 1, Hawaii	
Idaho	Blaine Dabney	P.O. Box 240, Dayton, Ore	DA6X13
Ill	Morton Friedman	2814 W. Balmoral, Chicago 25, Ill	LO1-4257
Ind	Charles Scheffler	1133 Navajo Trail, Indianapolis 8, Ind	
Iowa	Norman Kathrinus	4356 Duncan, St. Louis 10, Mo	
Ky	Charles Scheffler	1133 Navajo Trail, Indianapolis 8, Ind	
La	Mac Rae-Smith Sales	P.O. Box 35113, Dallas, Tex	BL3-2006
Me	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	
Minn	Forest Carleen	Route 1, Mound, Minn	
Miss	Leroy Massey	304 E. Jefferson, Greenwood, Miss	
Mo	Norman Kathrinus	4356 Duncan Ave, St. Louis 10, Mo	
Mont	George Metcalf & Co	232 E. 20th Ave, Denver, Colo	AC2-2062
Neb	Norman Kathrinus	4356 Duncan Ave, St. Louis 10, Mo	
NH	Lawrence Cole & Co	21 Radcliffe Rd, Weston, Mass	
NJ	Irv Morse	2351 E. 65th St, Brooklyn, NY	CO7-2913
NY	Fish Associates	1922 Oneida St, Utica 3, NY	2-1008
NY	Irv Morse	2351 E. 65th St, Brooklyn, NY	CO7-2913
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
ND	Forest Carleen	Route 1, Mound, Minn	
Ohio	Tom Shelby	319 S. Franklin, New Bremen, Ohio	
Okla	Mac Rae-Smith Sales	P.O. Box 35113, Dallas, Tex	BL3-2006
Ore	Blaine Dabney	P.O. Box 240, Dayton, Ore	DA6X13
Pa	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
RI	Lawrence B Cole & Co	21 Radcliffe Rd, Weston, Mass	
SC	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
SD	Forest Carleen	Route 1, Mound, Minn	
Tenn	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Tex	Mac Rae-Smith Sales	P.O. Box 35113, Dallas Tex	BL3-2006
Utah	George Metcalf & Co	232 E. 20th, Denver, Colo	AC2-2062
Vt	Lawrence Cole	21 Radcliffe Rd, Weston, Mass	
Va	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	Blaine Dabney	P.O. Box 240, Dayton, Ore	DA6X13
W. Va	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wisc	Morton Friedman	2814 W. Balmoral, Chicago 25, Ill	LO1-4257
Wyo	George Metcalf	232 E. 20th Ave, Denver, Colo	AC2-2062
Canada	Len Finkler Ltd	1794 Avenue Rd, Toronto 12, Canada	RU1-5232
	HUPPERT CO., K M	**6864 S. Cottage Grove, Chicago 37, Ill**	**MI3-4770**
Ala	Consolidated Engineering Co	305 Oxmoor Rd, Birmingham, Ala	
Ariz	Industrial Tool & Supply Co	120 S. Euclid Ave, Tucson, Ariz	
Cal	Pacific Combustion Engineering Co	5272 E. Valley Blvd, Los Angeles, Cal	
Cal	C B Babcock Co	1485 Bayshore Blvd, San Francisco, Cal	
Colo	W L Eckland Co	7871 W. 46th Ave, Wheat Ridge, Colo	
Conn	New England Oven & Furnace	Boston Post Rd, Orange, Conn	
DC	Harco Equipment Co	2456 - 9th St, N.W., Washington, DC	
Fla	General Equipment & Supply Co	543 N.W. 5th St, Miami, Fla	
Ga	Chandler Machinery Co	120 Houston Ave, Atlanta, Ga	
Ind	Claud S Gordon Co	31 E. Georgia St, Indianapolis, Ind	
Iowa	Carl Grimes & Co	1000 - 9th St, Des Moines, Iowa	
Ky	Hays Supply Co	2601 Broadway, Paducah, Ky	
La	Richards Machinery & Supply Co	P.O.Box 1482, Shreveport, La	
Md	Carey Machinery & Supply Co	3501 Brehms Ln, Baltimore, Md	
Mass	Leo C Pelkus & Co	683 Atlantic Ave, Boston, Mass	
Mich	Walter Hinz	10350 Harper St, Detroit, Mich	
Minn	Kemp Manning Sales Co	2295 University Ave, St. Paul, Minn	
Mo	Elfeldt Machinery & Supply Co	1219 McGee St, Kansas City, Mo	
Neb	Fuchs Machinery & Supply Co	Jackson at 15th St, Omaha, Neb	
NJ	Schultz & Anderson Co	109 Edison Pl, Newark, NJ	
NM	Albuquerque Machine & Supply Co	601 N. 1st St, Albuquerque, NM	
NY	Larry Lewis	1202 Ave, I, Brooklyn, NY	
NY	Claude A Gates Co	27 Locust St, New Rochelle, NY	
NC	Tidewater Supply Co., Inc	95 Roberts St, Ashville, NC	
Ohio	Clarke H Joy Co	27005 Knickerbocker Rd, Bay Village, Ohio	
Ohio	Instrument Service Engineering Lab	1205 Lamar St, Dayton, Ohio	
Okla	Machine Tool & Supply Co	215 E. 1st St, Tulsa, Okla	
Ore	Western Industrial Supply Co	208 S.E. Hawthorne, Portland, Ore	
Pa	William Lightfoot & Sons	Skippack Pike, Ambler, Pa	
RI	Cassiere Machinery Co	130 Richmond St, Providence, RI	
SC	Tidewater Supply Co	807 Gervais St, Columbia, SC	
Tenn	Tidewater Supply Co	1506 Island Home Ave, Knoxville, Tenn	
Tex	Wessendorff-Nelms & Co	320 Franklin Ave, Houston, Tex	
Utah	The Mine & Smelter Supply Co	121 W. 2nd S., Salt Lake City, Utah	
Va	Blue Ridge Hardware & Supply Co	Bassett, Va	
W. Va	Bluefield Hardware Co	Bluefield, W. Va	
Wisc	Louis A Lange Service	641 Hawthorne Ave, S. Milwaukee, Wisc	
Canada	Canadian Fairbanks-Morse Co	10255- 104th St, Edmonton, Alta., Canada	
Canada	Canadian Fairbanks-Morse Co	908 St. Antoine St, Montreal, Quebec, Canada	
Foreign	Argostal S A	Apartado Postal 2511, Mexico, D.F.	
	HURON INDUSTRIES	**P. O. Box 104, Port Huron, Mich**	**YU4-4213**
	HURST MFG CORP	**Princeton, Ind**	**FU5-4034**
Ala	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Ariz	R Sydney Hopkins Co	112 W. Broadway, Anaheim, Cal	KE5-1912
Ark	John B Guenther	4533 N. Central Expwy, Dallas 25, Tex	
Cal	R Sydney Hopkins Co	112 W. Broadway, Anaheim, Cal	KE5-1912
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Del	William Drew & Co	104 Essex Ave, Narberth, Pa	MO4-8331
DC	Potomac Electronics Inc	1025 N. Royal St, Alexandria, Va	TE6-8661
Fla	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Ga	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Peyser & Co	1501 N. Weber St, Colorado Spr, Colo	ME4-3401
Ill	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago 35, Ill	TU9-5011
Ill	Joseph Giordano	817 Gerald Ave, St. Louis 21, Mo	JA1-8725
Ind	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	FL9-5374
Iowa	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago 35, Ill	TU9-5011
Ky	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	FL9-5011
La	John B Guenther	4533 N. Central Expwy, Dallas 25, Tex	LA8-6286

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Me	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Md	Potomac Electronics Inc	1025 N. Royal St, Alexandria, Va	TE6-8661
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Buryl Hill Inc	15425 Schaefer Hwy, Detroit 27, Mich	VE8-3460
Miss	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Mo	Joseph Giordano	817 Gerald Ave, St. Louis 21, Mo	JA1-8725
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Mont	Peyser & Co	1501 N. Weber St, Colorado Spr, Colo	ME4-3401
NH	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
NJ	S Wimpie Associates	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NJ	William R Drew & Co	104 Essex Ave, Narberth, Pa	MO4-8331
NM	Peyser & Co	1501 N. Weber St, Colorado Spr, Colo	ME4-3401
NY	S Wimpie Associates	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NY	Carse Electric Corp	1044 Broadway, Albany, NY	HO2-5364
NY	M L Spitzer Co	P.O.Box 2324, Buffalo 23, NY	DE6163
NY	C L Martin Sales Corp	103 Pickwick Rd, Dewitt, NY	
NC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Ohio	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Ohio	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	FL9-5374
Okla	John W Elder Co	P.O. Box 3395, Tulsa 8, Okla	DI3-9149
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Pa	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Pa	William Drew & Co	104 Essex Ave, Narberth, Pa	MO4-8331
RI	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
SC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO5749
Tenn	Buthan Inc	4924 Oleander Dr, Wilmington, NC	
Tex	John B Guenther	4533 N. Central Expwy, Dallas 25, Tex	LA8-6286
Utah	Peyser & Co	1501 N. Weber St, Colorado Spr, Colo	ME4-3401
Vt	Glenn M Hathaway Electronics	238 Main St, Cambridge 42, Mass	KI7-0380
Va	Potomac Electronics Inc	1025 N. Royal St, Alexandria, Va	TE6-8661
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
W. Va	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Wisc	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago 35, Ill	TU9-5011
Wyo	Peyser & Co	1501 N. Weber St, Colorado Spr, Colo	ME4-3401
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Scarborough, Ont, Can	PL7-5171
Foreign	Charles L Thompson Ltd	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561

HUYCK SYSTEMS CO ..... **360 Wolf Hill Rd, Huntington Sta, NY**

HYDRAULIC PRESS MFG CO., DIV KOEHRING CO ..... **Mt Gilead, Ohio** **9351**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Machinery Sales Co	2838 Leonis Blvd, Los Angeles 58, Cal
Ark	Harris Frederic & Co., Inc	100 Edwards St, Shreveport, La
Cal	Machinery Sales Co	2838 Leonis Blvd, Los Angeles 58, Cal
Cal	S H S Machinery Co	717 Airport Blvd, S. San Francisco, Cal
Colo	The Mine & Smelter Supply Co	3800 Race St, Denver 16, Colo
Conn	Austin-Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
Del	Hydraulic Press Mfg Co	352 Cedar Ln, Teaneck, NJ
DC	The J H Elliot Co	2101 New York Ave, N.E., Wash 2, DC
Fla	Harry P Leu Inc	100 W. Livingston Ave, Orlando, Fla
Ga	Chandler Machinery Co	120 Houston St, N.E., Atlanta 3, Ga
Idaho	Todd Machinery Co	140 W. 2nd St, Salt Lake City 7, Utah
Ill	Hydraulic Press Mfg Co	911 Busse Hwy, Park Ridge, Ill
Ill	Nuetzel Machinery Co	3713 Washington Blvd, St. Louis 8, Mo
Iowa	The Hydraulic Press Mfg Co	911 Busse Hwy, Park Ridge, Ill
Kan	Nuetzel Machinery Co	9140 E. 50 Hwy, Kansas City 33, Mo
La	Harris Frederic & Co., Inc	100 Edwards St, Shreveport, La
Me	Austin-Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
Md	The J H Elliot Co	1805 Wisconsin Ave, N.W., Wash 7, DC
Mass	Austin-Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
Mich	Hydraulic Press Mfg Co	2842 W. Grand Blvd, Detroit 2, Mich
Minn	Hydraulic Press Mfg Co	911 Busse Hwy, Park Ridge, Ill
Miss	Harris Frederic & Co., Inc	100 Edwards St, Shreveport, La
Mo	Nuetzel Machinery Co	3713 Washington Blvd, St. Louis 8, Mo
Mont	The Mine & Smelter Supply Co	3800 Race St, Denver 16, Colo
Neb	Fuchs Machinery & Supply Co	2401 N. 11th St, Omaha 2, Neb
Nev	Machinery Sales Co	2838 Leonis Blvd, Los Angeles 58, Cal
NH	Austin Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
NJ	Hydraulic Press Mfg Co	352 Cedar Ln, Teaneck, NJ
NM	The Mine & Smelter Supply Co	3800 Race St, Denver 16, Colo
NY	Hydraulic Press Mfg Co	352 Cedar Ln, Teaneck, NJ
NC	Smith - Courtney Co	Seventh & Bainbridge Sts, Richmond 11, Va
Okla	Nuetzel Machinery Co	4407 S. Peoria, Tulsa, Okla
Ore	Halladie Machinery Co	210 Hundson St, Seattle 4, Wash
Pa	Hydraulic Press Mfg Co	352 Cedar Ln, Teaneck, NJ
Pa	Hydraulic Press Mfg Co	512-513 Empire Bldg, Pittsburgh 22, Pa
RI	Austin-Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
SD	Fuchs Machinery & Supply Co	2401 N. 11th St, Omaha 2, Neb
SC	Tidewater Supply Co., Inc	807-811 Gervais St, Columbia, SC
Tenn	Tidewater Supply Co., Inc	1506 Island Home Ave, S.E., Knoxville, Tenn
Tex	H L Thompson Co	1002 Esperson Bldg, Houston 2, Tex
Utah	Todd Machinery Co	140 W. Second St, Salt Lake City, Utah
Vt	Austin-Hastings Co., Inc	226 Binney St, Cambridge 42, Mass
Va	Smith-Courtney Co	Seventh & Bainbridge Sts, Richmond 11, Va
Wash	Halladie Machinery Co	210 Hudson St, Seattle 8, Wash
W. Va	Hydraulic Press Mfg Co	512-513 Empire Bldg, Pittsburgh 22, Pa
Wisc	Hydraulic Press Mfg Co	911 Busse Hwy, Park Ridge, Ill
Wyo	Todd Machinery Co	140 W. Second St, Salt Lake City, Utah

HYDRO-AIRE CO ..... **3000 Winona Ave, Burbank, Cal** **VI9-1331**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ga	William Hawkins	819 Baker Ln, Marietta, Ga	7-3373
Ga	Robert Pitner	Box 656, Avondale Estates, Ga	DR3-3740
Ind	Jack Pruitt	3305 W. 42 St, Indianapolis, Ind	WA4-4193
Kan	William Serven	256 N. Roosevelt, Wichita, Kan	MU4-2783
Mo	Robert Brown	8126 Gannon Ave, St. Louis 30, Mo	PA1-2037
NJ	William Brady	140 Young St, S. Plainfield, NJ	PL6-5124
Tex	Richard White	3611 Duchess Trail, Dallas 29, Tex	FL7-3706
Wash	Harold Maine	Box 58, Mercer Island, Wash	MA4-8840

HYDRO MOLDING CO., INC ..... **Plattsburgh, NY** **JO1-5320**

HYKON MFG CO ..... **165 E. State St, Alliance, Ohio** **TA1-2320**

HYPERION INC ..... **76 Coolidge Hill Rd, Watertown 72, Mass** **WA6-0140**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	HYSOL CORP ..... **Olean, NY** **22175**	
Ala	Manufacturers Sales Co	P.O. Box 293, Greensboro, NC	BR4-1401
Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Cal	Hysol of California	1706 Potrero, S. El Monte, Cal	CU3-8461
Cal	Jerry Deere	1575 Laurel St, San Carlos, Cal	LY1-4423
Colo	D & O Engineering Co., Inc	1610 E. Harry St, Wichita, Kan	HO4-2161
Conn	Joseph D Peters	Birch Dr, Easton, Conn	ED9-6643
Del	Specialty Electrical Sales Co	4010 Glengyle Ave, Baltimore 15, Md	RO4-7979
Del	Hamlin & Morrison	129 S. Second St, Philadelphia, Pa	WA5-3511
DC	Specialty Electrical Sales Co	4010 Glengyle Ave, Baltimore 15, Md	RO4-7979
DC	Hamlin & Morrison	129 S. Second St, Philadelphia, Pa	WA5-3511
Fla	Johnson Associates of Florida	P.O. Box 1676, Casselberry, Fla	MI4-3311
Ga	Manufacturers Sales Co	P.O. Box 293, Greensboro, NC	BR4-1401
Idaho	Fiberglass & Chemical Services Inc	1220 W. Nickerson, Seattle 99, Wash	AT3-1995
Ill	Harry Halinton	6400 N. Lecti Ave, Chicago 46, Ill	RO3-2131
Ill	D & O Engineering Co., Inc	1610 E. Harry St, Wichita, Kan	HO4-2161
Ind	Meyer Materials Inc	6101 N. College Ave, Indianapolis, Ind	CL5-5253
Ind	Harry Halinton	6400 N. Lecti Ave, Chicago 46, Ill	RO3-2131
Kan	D & O Engineering Co., Inc	1610 E. Harry St, Wichita, Kan	HO4-2161
Ky	Meyer Materials Inc	6101 N. College Ave, Indianapolis, Ind	CL5-5253
Me	James M O'Connell	Maple Ave, Atkinson, NH	DA9-6622
Md	Specialty Electrical Sales Co	4010 Glengyle Ave, Baltimore 15, Md	RO4-7979
Mass	James M O'Connell	Maple Ave, Atkinson, NH	DA9-6622
Mich	Mid-States Industrial Plastics Co	Box 85, Brightmoor Sta, Detroit 23,	WE3-6383
Mich	F B Wright Co	9999 Mercier St, Dearborn, Mich	VI3-8250
Minn	Industra Co	6504 Walker St, Minneapolis 26, Minn	WE9-6224
Mo	D & O Engineering Co., Inc	1610 E. Harry St, Wichita, Kan	HO4-2161
Mont	Fiberglass & Chemical Services Inc	1220 W. Nickerson St, Seattle 99, Wash	AT3-1995
Nev	Hysol of California	1706 Potrero, S. El Monte, Cal	CL3-8461
NH	James M O'Connell	Maple Ave, Atkinson, NH	DA9-6622
NJ	W M Punnett Co	74 Deer Path, Princeton, NJ	WA1-6766
NM	Hysol of California	1706 Potrero, S. El Monte, Cal	CL3-8461
NY	W M Punnett Co	74 Deer Path, Princeton, NJ	WA1-6766
NY	Donald F Wolcott	4004 St. Paul Blvd, Rochester 17, NY	FI2-3120
NY	General Industrial Sales	P.O. Box 153, Olean, NY	3632
NC	Manufacturers Sales Co	P.O. Box 293, Greensboro, NC	BR4-1401
Ohio	Servisales Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-0054
Ohio	Servisales Co	253-1/2 Arch St, Meadville, Pa	51-891
Okla	D & O Engineering Co., Inc	1610 E. Harry St, Wichita, Kan	HO4-2161
Ore	Fiberglass & Chemical Services Inc	1220 W. Nickerson, Seattle 99, Wash	AT3-1995
Pa	W M Punnett Co	74 Peer Path, Princeton, NJ	WA1-6766
Pa	Pattern & Wood Shop Supply Co	3109 Forbes St, Pittsburgh 13, Pa	MU1-0818
Pa	General Industrial Sales	P.O. Box 153, Olean, NY	3632
RI	James M O'Connell	Maple Ave, Atkinson, NH	DA9-6622
SC	Manufacturers Sales Co	P.O. Box 293, Greensboro, NC	BR4-1401
Tenn	Manufacturers Sales Co	P.O. Box 293, Greensboro, NC	BR4-1401
Utah	Hysol of California	1706 Potrero, S. El Monte, Cal	CL3-8461
Vt	James M O'Connell	Maple Ave, Atkinson, NH	DA9-6622
Va	Specialty Electrical Sales Co	4010 Glengyle Ave, Baltimore 15, Md	RO4-7979
Wash	Fiberglass & Chem Services Inc	1220 W. Nickerson, Seattle 99	AT3-1995
W. Va	Pattern & Wood Shop Supply Co	3109 Forbes St, Pittsburgh 13, Pa	MU1-0818
W. Va	General Industrial Sales	P.O. Box 153, Olean, NY	3632
Wisc	Harry Halinton	6400 N. Lecti Ave, Chicago, Ill	RO3-2131

IBM FEDERAL SYSTEMS DIV ..... **326 E. Montgomery, Rockville, Md** **GA4-6700**

I D E A INC ..... **7900 Pendleton Pike, Indapls 26, Ind** **LI7-3581**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Murphy & Cota	Lane Plaza, Huntsville, Ala	
Ariz	Sheffler-Kann	240 S. 1st Ave, Phoenix, Ariz	AL8-7893
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco, Cal	VA4-6714
Cal	W J Barron Co	1406 S. Grand, Los Angeles, Cal	RI8-6191
Cal	King-Moon Co	13273 Ventura Blvd, Woodland Hills, Cal	ST8-5450
Colo	Koethler-Cox Co	1325 S. Inca St, Denver, Colo	PE3-5561
Colo	Stan Clupht	75 S. Cody St, Denver, Colo	BE3-6025
Conn	Arthur E Akeroyd Co	Fairfield, Conn	ED3-6252
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, Atlanta, Ga	TR6-2030
Hawaii	Hastin Co	Honolulu, Hawaii	
Ill	Jack West	6747 N. Octavia, Chicago, Ill	RO3-3501
Ind	Kirsh Sales Co	107 Wabash, LaFontaine, Ind	YU1-2801
Md	Tessco Inc	19 W. Pennsylvania, Towson 4, Md	VA5-3431
Mich	W R Frenell Co	Box 31-C, Grand Rapids, Mich	GL2-7925
Mich	Flora Bros	Terr at Ridgewood, Plymouth, Mich	GL3-4296
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis, Minn	JU8-4663
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
NJ	Jules J Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
Ore	Dave M Lee Co	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	F A Daugherty Co	86 Pilgrim Rd, Carnegie, Pa	BR9-3869
Pa	Wilfried Graham Associates	610 Latham Dr, Wynnewood, Pa	MI9-3027
Tex	Heidenreich Co	6115 Denton Dr, Dallas, Tex	FL2-3389
Va	Martin & Dial	1306 Vassar Rd, Richmond, Va	
Wash	Dave M Lee Co	2517 Second Ave, Seattle, Wash	MA2-5512

I E MANUFACTURING ..... **325 N. Hoyne Ave, Chicago 12, Ill** **HA1-1480**

I H MANUFACTURING CO ..... **121 Greene St, New York 12, NY** **OR7-1881**

I-L-S INSTRUMENT DIV., MERIAM INSTRUMENT CO ..... **4525 W. 160th St, Cleveland 35, Ohio**

IMC MAGNETICS CORP ..... **570 Main St, Westbury, NY** **ED4-7070**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Emory Design & Equipment	Box 9013, Birmingham, Ala	TR1-1369
Cal	PSP Engineering Co	6058 Walker Ave, Maywood, Cal	LU3-4785
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27	HO3-5694
Cal	David G DeHaas Co	3651 Garrison St, San Diego, Cal	AC4-2401
Colo	E K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Gerber Sales Co	Box 2917, New Haven, Conn	SP7-6279
Del	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
DC	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Fla	Emory Design & Equipment	Box 507, Bradenton, Fla	BR7-1707
Ga	Emory Design & Equipment	Box 507, Bradenton, Fla	BR7-1707
Ill	Memac Sales Co	4740 N. Austin Ave, Chicago, Ill	KI5-1033
Ind	Memac Sales Co	4740 N. Austin Ave, Chicago, Ill	KI5-1033
Kan	Design & Sales Engineering	7603 Forsyth Blvd, St. Louis, Mo	
La	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	BEK Associates	Box 53, Dayton View Sta, Dayton, Ohio	CR8-1343
Minn	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FE9-7701
Mo	Design & Sales Engineering	7603 Forsyth Blvd, St. Louis 5, Mo	
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
NY	Frank W Taylor Co	4455 E. Genesee St, DeWitt, NY	GI6-0422
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145
Ohio	BEK Associates	330 Salem Ave, Dayton, Ohio	CR8-1343
Okla	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Ore	Shaffer & Nelson	312 Occidental Ave, Seattle 4, Wash	MU2-0186
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Tenn	Emory Design & Equipment	Box 9013, Birmingham 9, Ala	TR1-1369
Tex	Southwest Electronic Industries	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Wash	Shaffer & Nelson	312 Occidental Ave, Seattle 4, Wash	MU2-0186
Wisc	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FE9-7701
Canada	M J Howard Co., Ltd	1168 Gertrude St, Ottawa 3, Ont, Canada	CE5-9931

I-T-E CIRCUIT BREAKER CO ..... **601 E. Erie Ave, Philadelphia 34, Pa** **GA6-5700**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	DR7-8943
Cal	Tech-Ser Inc	640 Donohoe St, Palo Alto, Cal	

ITI ELECTRONICS INC ..... **369 Lexington Ave, Clifton, NJ** **GR3-0900**

ITT FEDERAL DIV ITT ..... **100 Kingsland Rd, Clifton, NJ** **NO7-3600**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	ITT Federal Div	225 Santa Monica Blvd, Santa Monica, Cal	EX3-0318
DC	ITT Federal Div	905 16th St, N.W., Wash 6, DC	EX3-0789
Ohio	ITT Federal Div	333 W. First St, Dayton 2, Ohio	BA4-4711
Tex	ITT Federal Div	1359 Motor St, Dallas 7, Tex	RI2-6010

ITT LABORATORIES ..... **500 Washington Ave, Nutley, NJ** **NO1-1100**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	ITT Laboratories	15151 Bledsoe St, San Fernando, Cal	EM7-2211
Cal	ITT Laboratories	937 Commercial St, Palo Alto, Cal	DA1-0211
DC	ITT Laboratories	905 16th St, N.W., Wash, DC	EX3-0789
Fla	ITT Laboratories	P.O.Box 1626, Eglin A F B, Fla	EG2-0191
Ga	ITT Laboratories	1389 Peachtree St, N.E., Atlanta, Ga	TR5-7841
Ill	ITT Laboratories	6650 S. Cicero Ave, Chicago, Ill	PO7-6900
Ind	ITT Laboratories	3700 E. Pontiac St, Ft. Wayne, Ind	EA7571
NY	ITT Laboratories	1333 E. Dominick St, Rome, NY	RO3300
Ohio	ITT Laboratories	333 W. First St, Dayton, Ohio	BA4-4171

ITT LABORATORIES COMPONENTS & INSTRUMENTATION DIV ..... **3700 E. Pontiac St, Ft. Wayne, Ind** **EA7571**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	ITT Laboratories Labs	15191 Bledsoe St, San Fernando, Cal	EM7-2211
Fla	ITT Labs	Eglin AFB, Fla	X29191
NJ	ITT Labs	500 Washington Ave, Nutley, NJ	NO1-1100
NM	ITT Labs	P.O.Box 149, Rome, NY	RO3300
Ohio	ITT Labs	333 W. First St, Dayton, Ohio	BA4-4711

ICONIX INC ..... **945 Industrial, Palo Alto, Cal** **DA3-1411**

IDEAL INDUSTRIES INC ..... **5103 Park Ave, Sycamore, Ill** **2114**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
Alaska	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Ariz	Maddox Sales Co	914 E. Third St, Los Angeles 13, Cal	MA4-2306
Ark	R E Myers & Son	504 Louderman Bldg, St. Louis 1, Mo	MA1-2743
Cal	Maddox Sales Co	914 E. Third St, Los Angeles 13, Cal	MA4-2306
Cal	Maddox Sales Co	420 Market St, San Francisco 11, Cal	DO2-3249
Colo	C D Belt & Co	2149 S. Clermont, Denver 22, Colo	SK6-9421
Conn	Ideal Industries Inc	366 Broadway, New York 13, NY	CO7-6013
Del	Idea. Industries Inc	1417 W. Hunting Pk Ave, Phila 40, Pa	DA9-5567
DC	O T Hall & Son	2301 N. Charles St, Baltimore 18, Md	HO7-5359
Fla	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
Fla	Charles B Tomow Jr	P.O. Box 5834, Orlando, Fla	GA5-7295
Ga	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
Idaho	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Idaho	L M Slusser	318 Dooly Blo, Salt Lake City, Utah	EL5-2322
Ill	Ideal Industries Inc	600 W. Jackson Blvd, Chicago 6, Ill	ST2-9772
Ill	H M Kloppenburg & Son	6 Circle Dr, Springfield, Ill	LA9-2323
Ill	Midwest Equipment Co	P.O. Box 532, Davenport, Iowa	7-4074
Ind	Ideal Industries Inc	600 W. Jackson Blvd, Chicago 6, Ill	ST2-9772
Ind	Ideal Industries Inc	1423 E. McMillan St, Cincinnati 6, Ohio	WO1-3231
Ind	H M Kloppenburg & Son	6 Circle Dr, Springfield, Ill	LA9-2323
Iowa	Midwest Equipment Co	842 Fifth Ave, Des Moines 14, Iowa	CH3-1203
Iowa	F C Clatterbaugh	P.O. Box 152, Omaha 1, Neb	TE2905
Kan	Harry R Walker	P.O. Box 9211, Prairie Village 15, Kan	EN2-0922
Ky	Ideal Industries Inc	1423 E McMillan St, Cincinnati 6, Ohio	WO1-3231
Ky	Ideal Industries Inc	Bessemer Bldg, Pittsburgh 22, Pa	AT1-8338
Ky	H M Kloppenburg & Son	6 Circle Dr, Springfield, Ill	LA9-2323
La	M Morin Rivera	1300 N. Broad St, New Orleans 19, La	GA1161
Me	Electrical Agencies Inc	49-51 "D" St, Boston 27, Mass	AN8-9300
Md	O T Hall & Son	2301 N. Charles St, Baltimore 18, Md	HO7-5359
Mass	Electrical Agencies Inc	49-51 "D" St, Boston 27, Mass	AN8-9300
Mich	Ideal Industries Inc	2457 Woodward Ave, Detroit 1, Mich	WO1-9504
Mich	Robt S Knoblauch & Associates	P.O. Box 2638, West Allis, Wisc	SP4-5150
Minn	Lester L Elstad Sales Co	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Miss	M Morin Rivera	1300 N. Broad St, New Orleans 19, La	GA1161
Mo	R E Myers & Son	504 Louderman Bldg, St.Louis 1, Mo	MA1-2743
Mo	Harry R Walker	P.O. Box 9211, Prairie Village 15, Kan	EN2-0922
Mont	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Neb	F C Clatterbaugh	P.O. Box 152, Omaha 1, Neb	TE2905
Nev	Maddox Sales Co	420 Market St, San Francisco 11, Cal	DO2-3249
NH	Electrical Agencies Inc	49-51 D St, Boston 27, Mass	AN 8-9300
NJ	Ideal Industries Inc	366 Broadway, New York 13, NY	CO7-6013

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Ideal Industries Inc	1417 W. Hunting Pk Ave, Phila 40, Pa	DA9-5567
NM	C D Belt & Co	2149 S. Clermont, Denver 22, Colo	SK6-9421
NY	Ideal Industries Inc	366 Broadway, New York 13, NY	CO7-6013
NY	Ideal Industries Inc	101 Elm Tree Ln, Syracuse 9, NY	HU8-5712
NC	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
NC	Paul M Simpson & Son	717 Byrd Park Ct, Richmond 20, Va	EL30287
ND	Lester L Elstad Sales Co	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Ohio	Ideal Industries Inc	1423 E. McMillan St, Cincinnati 6, Ohio	WO1-3231
Ohio	Ideal Industries Inc	1105 Chester Ave, Cleveland 14, Ohio	SU1-5941
Ohio	Ideal Industries Inc	2457 Woodward Ave, Detroit 1, Mich	WO1-9504
Okla	Charles R McRay Co	4405 N. Barnes, Oklahoma City 12, Okla	JA4-4033
Ore	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	MA3-8882
Pa	Ideal Industries Inc	Bessemer Bldg, Pittsburgh 22, Pa	AT1-8338
Pa	Ideal Industries Inc	1417 W. Hunting Park Ave, Phila 40, Pa	DA9-5567
RI	Electrical Agencies Inc	49-51 D St, Boston 27, Mass	AN8-9300
SC	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
SD	Lester L Elstad Sales Co	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Tenn	Ideal Industries Inc	540 Luckie St, N.W., Atlanta, Ga	TR4-4188
Tex	Galvin Sales Co	5622 Dyer St, Dallas 6, Tex	EM6-3678
Utah	L M Slusser	318 Dooly Bldg, Salt Lake City, Utah	EL5-2322
Vt	Electrical Agencies Inc	49-51 D St, Boston 27, Mass	AN8-9300
Va	Paul M Simpson & Son	717 Byrd Park Ct, Richmond 20, Va	EL3-0287
Wash	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	MA3-8882
W. Va	Ideal Industries Inc	Bessemer Bldg, Pittsburgh 22, Pa	AT1-8338
Wisc	Robt S Knoblauch & Associates	P.O. Box 2638, West Allis, Wisc	SP4-5150
Wisc	Lester L Elstad Sales Co	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Wyo	C D Belt & Co	2149 S. Clermont, Denver 22, Colo	SK6-9421
Wyo	L M Slusser	318 Dooly Bldg, Salt Lake City, Utah	EL5-2322
Canada	Irving Smith Ltd	2095 Madison Ave, Montreal 28, Que, Can	HU4-1153
Foreign	Ideal Industries Inc Exp Sls Div	Box 741, South Bend 24, Ind	AT7-1519
	IDEAL PRECISION METER CO., INC	**214 Franklin St, Brooklyn 22, NY**	**EV3-6904**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Cal	Dewco Sales Inc	6919 San Fernando Rd, Glendale 1, Cal	VI9-6101
Colo	W H Conners Co	375 Birch St, Denver 20, Colo	DE3-7628
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Mass	Eastern Electronic Sales Corp	145 University Rd, Brookline 46, Mass	AS7-2669
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit, Mich	BR3-3652
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
NJ	Harry J White Co., Inc	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
NY	Eliot Schwartzman	135 Sperry Blvd, New Hyde Park, NY	MU2-6361
Ohio	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Tex	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	
Foreign	Roburn Agencies Inc	431-435 Greenwich St, New York 13, NY	WO6-2130
	ILG ELECTRIC VENTILATING CO	**2850 N.Pulaski Rd, Chicago 41, Ill**	**KI5-1520**
Ala	H B Brown Jr	2217-7th Ave, S. Birmingham 3, Ala	FA2-3629
Alaska	J D Sparks	7331 W. Greenlake Way, Seattle 3, Wash	LA2-8183
Ariz	R E Tweedy	914 W. Madison St, Phoenix, Ariz	AL2-8163
Ark	C A Walker	198 S. Main St, Memphis, Tenn	JA6-7866
Cal	C E Parks	1709 W. 8th St, Los Angeles, Cal	HU3-7367
Cal	W S Gorman	55 New Montgomery St, San Francisco 5	SU1-0964
Colo	H F Ream	1216 Santa Fe Dr, Denver 4, Colo	CH4-0558
Conn	R M Groll	207 Orange St, New Haven, Conn	ST7-1730
Del	F A Leser	17th & Penn Ave, N.W., Washington, DC	NA8-9732
DC	F A Leser	17th & Penn Ave, N.W., Washington, DC	NA8-9732
Fla	R J Clark	P.O. Box 989, Clearwater, Fla	3-3783
Ga	F H Bigelow	31-16th St, N.W., Atlanta, Ga	TR4-3595
Hawaii	Honolulu Electrical Products Co	630 Puiioi St, Honolulu, Hawaii	
Idaho	J W Lowder	1482 Major St, Salt Lake City, Utah	IN7-5489
Idaho	J D Sparks	7331 W. Greenlake Way, Seattle 3, Wash	LA2-8183
Ill	A C DeSmet	222 N. La Salle St, Chicago 1, Ill	FR2-1520
Ill	M L Smith	1804 Brady St, Davenport, Iowa	2-3353
Ill	J H Niesse	Archt & Bldrs Bldg, Indianapolis, Ind	ME5-5045
Ill	J C Watkins	1221 Locust St, St. Louis 3, Mo	MA1-1072
Ind	J H Niesse	503 Archt & Bldrs Bldg, Indpls 4, Ind	ME5-5045
Iowa	George E Mellerup	307A Shops Bldg, Des Moines 9, Iowa	AT8-1741
Kan	D M Allen	3021 Main St, Kansas City, Mo	LO1-9741
Ky	J M Dooley	1832 McCalla Ave, Knoxville, Tenn	2-3655
Ky	O J Hill	Tyler Bldg, W. Jefferson, Louisville, Ky	JU7-6842
La	J H Maloney	501 N. Jefferson Davis Pky, New Orleans	HU8-2654
Me	A E Wallgren	P.O. Box 2191, South Portland, Me	SP3-1266
Md	R F Long	12 & 14 E. 24th St, Baltimore, Md	HO7-9235
Md	F A Leser	17th & Penn Ave, N.W., Washington, DC	NA8-9732
Mass	D W Noble	137 Newbury St, Boston, Mass	KE6-0562
Mich	L F Brombach	415 Brainard St, Detroit 1, Mich	TE2-5445
Minn	H D Barr	1775 Selby Ave, St. Paul 4, Minn	MI6-6111
Miss	J W Hamrick, Jr	515 Yazoo St, Jackson, Miss	FL2-7584
Mo	D M Allen	3021 Main St, Kansas City, Mo	LO1-9741
Mo	J C Watkins	1221 Locust St, St. Louis 3, Mo	MA1-1072
Mont	W A Lefler	108 N. 23rd St, Billings, Mont	AL2-5624
Neb	B Gurney	504 S. 18th St, Omaha, Neb	JA8445
Nev	J W Lowder	1482 Major St, Salt Lake City, Utah	IN7-5489
Nev	W S Gorham	55 New Montgomery St, San Francisco 5	SU1-0964
NH	D W Noble	137 Newbury St, Boston 16, Mass	KE6-0562
NJ	G C Jelliffe	15 Park Row, New York 38, NY	BA7-8787
NJ	C E Brock Jr	227 Haverford Ave, Narberth, Pa	MO4-2251
NM	R G Ponsford Jr	305 Canal St, El Paso, Tex	KE3-8485
NY	F R Foote	23 Pinehurst Rd, Colonie, NY	IV2-7251
NY	J B Magee	2100 Fillmore Ave, Buffalo 14, NY	WI3733
NY	G C Jelliffe	15 Park Row, New York 38, NY	BA7-8787
NY	C E Williams	75 College Ave, Rochester 7, NY	HA6-4070
NC	C Z Adams	1052 Battleground Ave, Greensboro, NC	BR3-0566
NC	J H Johnson	210 Carolina Bldg, Raleigh, NC	TE4-6448
ND	H D Barr	1775 Selby Ave, St. Paul 4, Minn	MI6-6111
Ohio	B G Silberstein	626 Broadway, Cincinnati 2, Ohio	GA1-4640
Ohio	A K Johnson	111750 Shaker Blvd, Cleveland 20, Ohio	WA1-5390
Ohio	F Stoffel	3851 N. High St, Columbus 12, Ohio	AM7-8411
Ohio	R I Fruth	1316 Adams St, Toledo, Ohio	CH8-5307
Okla	R E Pauling	125 W. 3rd St, Tulsa, Okla	LU5-9504
Ore	Ed Lokey	10338 N.E. Sandy Blvd, Portland 20, Ore	AL4-7378
Pa	C E Brock Jr	227 Haverford Ave, Narberth, Pa	MO4-2251
Pa	C H Schneider	P.O. Box 7912, Pittsburgh 16, Pa	LO14418
Pa	R B Gage	P.O. Box 112, Robesonia, Pa	LU9-4624
RI	D W Noble	137 Newbury St, Boston 16, Mass	KE6-0562
SC	W T Foreman	823 Professional Bldg, Charlotte, SC	ED2-6721
SD	H D Barr	1775 Selby Ave, St. Paul 4, Minn	MI6-6111
Tenn	C A Walker	198 S. Main St, Memphis 3, Tenn	JA6-7866
Tenn	J M Dooley	1832 McCalla Ave, Knoxville, Tenn	2-3655
Tex	M K Gardner	2703 Bomar Ave, Dallas, Tex	FL7-6613
Tex	H E Morrison Jr	1803 Calumet, Houston 4, Tex	JA8-5207
Utah	J W Lowder	1482 Major St, Salt Lake City, Utah	IN7-5489
Vt	D W Noble	137 Newbury St, Boston 16, Mass	KE6-0562
Va	Ilg Electric Ventilating Co	1052 Battleground Ave, Greensboro, NC	BR3-0566
Va	Ilg Electric Ventilating Co	715 W. Grace St, Richmond 20, Va	MI3-7331
Wash	J D Sparks	7331 W. Greenlake Way, Seattle 3, Wash	LA2-8183
W. Va	G B Silberstein	626 Broadway, Cincinnati 2, Ohio	GA1-4640
W. Va	C H Schneider	P.O. Box 7912, Pittsburgh 16, Pa	LO14418
Foreign	J J LaRus	2 Ave LeNotre, Marly-Le-Roi (S&O), France	
Wisc	S W Smith	207 E. Michigan St, Milwaukee 2, Wisc	BR1-2458
Wisc	H D Barr	1775 Selby Ave, St. Paul 4, Minn	MI6-6111
Wyo	W A Lefler	108 N. 23rd St, Billings, Mont	AL2-5624
Wyo	H F Ream	1216 Santa Fe Dr, Denver 4, Colo	CH4-0558
	ILLINOIS CONDENSER CO	**1616 N. Throop, Chicago 22, Ill**	**EV4-1300**
	ILLINOIS TESTING LABS INC	**420 N. La Salle St, Chicago 10, Ill**	**WH3-1331**
	ILLUMITRONIC ENGINEERING	**680 E. Taylor Ave, Sunnyvale, Cal**	**RE9-2395**
Ala	J E Joyner & Associates	P.O.Box 10821, Sta A, Atlanta, Ga	PL8-4910
Ariz	H A Moore Sales Co	P.O.Box 7245, Phoenix, Ariz	AM5-4662
Cal	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Colo	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
Conn	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
Del	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
DC	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
Fla	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
Ga	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
Idaho	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
Ill	Dayton L Warner	815 MacArthur St, Chicago Heights, Ill	SK4-0028
Ill	Coenco Associates	113 W. Main St, Dundee, Ill	NE1-8669
Iowa	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Kan	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Me	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
Md	S W Simberkoff	68 Hudson St, Hoboken, NJ	OL6-5211
Mass	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
Minn	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Miss	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
Mo	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Mont	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
Neb	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Nev	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
NH	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
NJ	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
NM	Harry A Moore Sales Co	P.O.Box 7245, Phoenix, Ariz	AM5-4662
NY	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
NC	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
ND	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Pa	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
RI	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
SC	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
SD	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Tenn	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL8-4910
Tex	Harry A Moore Sales Co	P.O.Box 7245, Phoenix, Ariz	AM5-4662
Utah	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
Vt	Fred Catalano	548 Forest St, Rockland, Mass	TR7-4192
Va	S W Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
W. Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Wisc	Dayton L Warner	815 MacArthur St, Chicago Heights, Ill	SK4-0028
Wisc	Coenco Associates	113 W. Main St, Dundee, Ill	NE1-8669
Wyo	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
Canada	Len Finkler Ltd	1794 Avenue Rd, Toronto, Ont, Canada	CR8-7583
Foreign	Minthorne International	15 Moore St, New York, NY	BO3-6272
	IMPACT-O-GRAPH CORP	**1900 Euclid Ave, Cleveland 15, Ohio**	**CH1-5838**
Cal	George B Woodcock & Co	813 N. La Brea Ave, Los Angeles, Cal	WE3-8515
Conn	Otto A Lohkemper	46 Stanwood Rd, New Hyde Park, NY	PI2-0278
Fla	Southern Dynamics Inc	7257 Lake Dr, Orlando Fla	GA5-2850
Ill	Anthony Co	5023 W. Altgeld St, Chicago, Ill	NA2-4935
Mass	Edward LeMay	234 Wachusett St, Holden, Mass	VA9-2651
Mich	Don W Kelsey Co	16629 Meyers Rd, Detroit, Mich	
Minn	Electrolax	711 W. Lake St, Minneapolis, Minn	TA5-9016
NJ	Otto Lohkemper	46 Stanwood Rd, New Hyde Park, NY	PI2-0278
NJ	Technicraft	6222 Ridge Ave, Philadelphia, Pa	IV2-2323
NY	Otto Lohkemper	46 Stanwood Rd, New Hyde Park, NY	
Pa	Technicraft	6222 Ridge Ave, Philadelphia, Pa	
Tex	Lennard Blanton Co	P.O. Box 6042, Dallas 22, Tex	
Wash	Leslie Ruoy	Colman Bldg, Seattle, Wash	MA3-8966
Wisc	Paul Reilly Co	4028 N. Wilson Dr, Milwaukee, Wisc	WO2-0777
Foreign	A Latter & Co Ltd	43 South End, Croydon, England	
	IMPROVED SEAMLESS WIRE CO	**775 Eddy St, Providence, RI**	**HO1-0855**
Ill	Henry C Griffin	670 Woodland Dr, Crystal Lakes, Ill	CR4464
NY	Abraham I Stark	73-16 199th St, Flushing, NY	SP6-4393
	INTRA CORP	**11 University Rd, Cambridge 38, Mass**	**EL4-1010**
Ariz	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Cal	Electronic Engrg Associates Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
Cal	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Colo	Applied Engineering Prods Co	405 Felt Bldg, Salt Lake City, Utah	DE585
Conn	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
Del	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
DC	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
Idaho	Applied Engineering Prods Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Ind	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Iowa	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	KE3025
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Me	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
Md	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-0451
Mass	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
Mich	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	KE3025
Mo	Gordon Fixman Engrg Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Nev	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Nev	Electronic Engrg Associates Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
NH	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
NJ	Norbell Sales Co	211-02 Northern Blvd, Flushing 61, NY	FL7-9440
NJ	H P Woodit Associates	82 Washington St, E. Orange, NJ	OR3-7959
NM	Applied Engrg Products Co	405 Felt Bldg, Salt Lake City, Utah	EN685
NY	Norbell Sales Co	211-02 Northern Blvd, Flushing 61, NY	FL7-9440
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Pa	H P Woodit Associates	82 Washington St, E. Orange, NJ	OR3-7959
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
RI	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
Tex	R E Salter	208 Sidney St, Houston 3, Tex	WA3-8720
Utah	Applied Engrg Products Co	405 Felt Bldg, Salt Lake City 11, Utah	EM4-4942
Vt	Bordewieck Engrg Sales Co	221 Grove St, Braintree 85, Mass	VI3-0845
Va	Wilco Associates Inc	733 15th St, N.W., Washington 5, DC	EX3-1174
Wisc	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	KE3-25
Wyo	Applied Engrg Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
	INDIANA STEEL PRODUCTS, DIV OF INDIANA GENERAL CORP	**Valparaiso, Ind**	**HO2-3131**
Ariz	Carl Howen Associates	340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Ill	Indiana Steel Products	7-113 Merchandise Mart, Chicago 54, Ill	MI2-1882
Mass	Indiana Steel Products	681 Main St, Waltham 54, Mass	TW4-4841
NJ	Indiana Steel Products	12-94 Plaza Rd, Fair Lawn, NJ	SW1-1550
NY	Indiana Steel Products	1463 Monroe Ave, Rochester 18, NY	HI5-0550
Ohio	Indiana Steel Products	257 Leader Bldg, Cleveland 14, Ohio	CH1-4163
Pa	Indiana Steel Products	46 Garrett Rd, Upper Darby, Pa	FL2-4753
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
	INDIANA STEEL & WIRE CO., INC.	**700 Council St, Muncie, Ind**	
	INDIUM CORP OF AMERICA	**1676 Lincoln Ave, Utica 4, NY**	**SW7-1630**
Cal	B M Thompson	4529 W. 8th St, Los Angeles, Cal	WE5-9542
	INDUCTION HEATING CORP	**181 Wythe Ave, Brooklyn 11, NY**	**EV4-3110**
Ariz	Denton & Anderson Co	5526 N. Rosemead Blvd, Temple City, Cal	CU3-4647
Cal	Denton & Anderson Co	5526 N. Rosemead Blvd, Temple City	CU3-4647
Colo	R E Duboc Associates	2353 S. Broadway, Denver 10, Colo	PA2-4609
Conn	Robert J Harkins	173 Orange St, New Haven 10, Conn	LO2-3312
Del	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
DC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Fla	Frank W Curtis	3226 Tanglewood Dr, Sarasota, Fla	RI7-8823
Ill	Denton & Anderson Co	9 S. Clinton St, Chicago, Ill	RA6-3217
Ill	Moehlenpah Engineering Inc	1315 S. Vandeventer Ave, St. Louis, Mo	JE3-0325
Ind	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio	CR7-9327
Iowa	Moehlenpah Engineering Inc	2904 Vine St, W. Des Moines, Iowa	BL5-5426
Kan	Moehlenpah Engineering Inc	4550 Main St, Kansas City 11, Mo	
Ky	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio	CR7-9327
Me	Harold Ottobrini	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Md	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Mass	Harold Ottobrini	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Mich	Charles H Armstrong Co	570 Livernois Ave, Ferndale 20, Mich	LI4-1305
Minn	Arthur P Parker	4215 W. 42 St, Minneapolis 16, Minn	
Mo	Moehlenpah Engineering Inc	1315 S. Vandeventer Ave, St. Louis 10	JE3-0325
Neb	Moehlenpah Engineering Inc	2904 Vine St, W. Des Moines, Iowa	BL5-5426
NH	Harold Ottobrini	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
NJ	Robert W Fuller	24 Stillman Ave, Bergenfield, NJ	DU4-7069
NM	R E Duboc Associates	2353 S. Broadway, Denver, Colo	PA2-4609
NY	Amoid R Madeira	1473 Herzl Blvd, W. Babylon, NY	MO9-6690
NY	Eastern Welding Equipment Co., Inc	775 Old Country Rd, Westbury, NY	ED3-0110
NC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Ohio	Production Heating Equipment Co	13231 Euclid Ave, Cleveland 12, Ohio	PO1-3733
Ohio	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio	CR7-9327
Okla	B C Myers Co	932 W. Jefferson Blvd, Dallas, Tex	
Ore	H E Hartley Co	Boeing Field, Box 81, Seattle 8, Wash	MO7120
Pa	Raymond Becky	1209 Monongahela Blvd, McKeesport, Pa	OR3-9524
Pa	J V Calhoun Co	349 Montgomery Ave, Bala-Cynwyd, Pa	GR3-4477
RI	Robert J Harkins	173 Orange St, New Haven, Conn	LO2-3312
SC	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Tenn	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio	CR7-9327
Tex	Preston Machine Tools Inc	5011 Navigation Blvd, Houston 11, Tex	
Utah	R E Duboc Associates	2353 S. Broadway, Denver 10, Colo	PA2-4609
Va	Precision Sales Co	8616 Georgia Ave, Silver Spring, Md	JU9-7690
Wash	H E Hartley Co	Boeing Field, Box 81, Seattle 8, Wash	MO7120
W. Va	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio	CR7-9327
Wisc	Karl W Stoffregen Co	430 W. Acacia Rd, Milwaukee 9, Wisc	FL2-8181
Wyo	R E Duboc Associates	2353 S. Broadway, Denver, Colo	PA2-4609
	INDUCTION MOTORS OF CAL DIV IMC	**6058 Walker Ave, Maywood, Cal**	**LU3-4785**
Ala	Emory Design & Equipment Co	P.O. Box 9013, Birmingham, Ala	TR1-1369
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	Cerruti & Associates	P.O. Box 509, Redwood City, Cal	EM3-3354
Cal	David DeHaas Co	3651 Garrison St, San Diego, Cal	AC4-2401
Colo	Elton K Kelley Co	336 E. 4th St, Loveland, Colo	NO7-1376
Fla	Emory Design & Equipment Co	P.O. Box 507, Bradenton, Fla	2-6767
Ill	Memac Sales	4740 N. Austin Ave, Chicago, Ill	KI5-1033
Kan	Design Sales & Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
Mass	Gerber Sales	48 Pearl St, Brookline, Mass	BE2-2425
Minn	D A Schultz Co	801 S.E. 8th St, Minneapolis, Minn	FE9-7701
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
NJ	M W Stollmack	67 Dorchester Rd, Emerson, NJ	CO1-2313
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo, NY	DE0442
NY	Ellis-Haber Corp	11 Northern Blvd, Great Neck, NY	HU7-5145

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Bek Associates	330 Salem Ave, Daytor., Ohio	CR8-1343
Ohio	Bek Associates	24054 Smith Ave, Westlake, Ohio	SP7-2072
Ore	Shafer & Nelson Inc	1001 S.E. Water Ave, Portland, Ore	BE4-7437
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia, Pa	RI6-7060
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Wash	Shafer & Nelson Inc	312 Occidental Ave, Seattle, Wash	MU2-0186
Wash	Shafer & Nelson Inc	P.O. Box 198, Spokane, Wash	FA7-9528
Canada	M J Howard Co Ltd	1168 Gertrude St, Ottawa 3, Canada	PA8-2991

	INDUCTOR ENGINEERING INC	**117 Schley Ave, Lewes, Del**	**LE2341**
	INDUSTRIAL COMPONENTS INC	**P. O. Box 308, Beaverton, Ore**	**MI4-0126**
	INDUSTRIAL CONDENSER CORP	**3243 N. California Ave, Chicago 18, Ill**	
Cal	Nickerson & Gray Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
Del	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1002
DC	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Ind	Scott & Steffen Inc	915 N. Pennsylvania Ave, Indianapolis 4	
Me	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1002
Md	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1002
Mich	Edwin F Liddle	18925 Grand River Ave, Detroit, Mich	VE7-5310
NH	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1002
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
NJ	Rywel Sales Co	100 N. Village Ave, Rockville Center, NY	RO4-2666
NY	Rywel Sales Co	100 N. Village Ave, Rockville Centre, NY	RO4-2666
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Pa	L D Lowery Inc	50 E. Wynnewood Ave, Wynnewood, Pa	MI2-9100
RI	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1002
Vt	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1002
Wash	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
	INDUSTRIAL CONTROL CO	**Central At Pinelawn, Farmingdale, NY**	**MY4-3000**
Cal	Sodaro Co	9400 Culver Blvd, Culver City	VE8-5272
Idaho	Harry Levinson Co	1117 2nd Ave, Seattle 1, Wash	MA2-5433
Kan	Southern Indl Electronics Inc	P.O. Box 9814, Dallas 14, Tex	FL2-3901
Mich	J L Peirce Co	16666 James Couzens Hwy, Detroit 21	UN2-2571
	INDUSTRIAL DEVELOPMENT LABS., INC	**982 River Rd, Edgewater, NJ**	**WH3-4084**
	INDUSTRIAL DEVICES INC	**Edgewater 8, NJ**	**WH3-4084**
Ariz	Manufacturing Associates	1416 Westwood Blvd, Los Angeles 24, Cal	GR9-8884
Cal	Manufacturing Associates	201 Town & Country Village, Palo Alto	DA6-9931
Cal	Manufacturing Associates	1416 Westwood Blvd, Los Angeles 24, Cal	GR9-8884
Conn	Electrical Mfgrs Service	265 Church St, New Haven 10, Conn	UN5-9014
Ill	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Ind	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
Ky	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
Me	D M Fraser Co	31 Pinetree Ridge, Meriden Conn	BE7-7267
Mass	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Mich	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 24, Mo	PA5-5219
NH	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
NJ	Electrical Manufacturers Service	18 Yale St, Nutley, NJ	NU2-2541
NY	Niagara Electric Sales Co	505 Delaware Ave, Buffalo, NY	
NY	Niagara Electric Sales Co	133 S. Clinton St, Rochester 4, NY	HA5166
NY	Electrical Manufacturers Service	P.O. Box 128, Williston Park, NY	PI2-1616
Ohio	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
Okla	Tom Spivey Co., Inc	P.O. Box 12321, Houston 17, Tex	MI9-1221
Ore	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland 14, Ore	BE5-4137
Pa	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
RI	D M Fraser Co	31 Pinetree Ridge, Meriden, Conn	BE7-7267
Tex	Tom Spivey Co., Inc	P.O. Box 12321, Houston 17, Tex	MI9-1221
Vt	D M Fraser Co	31 Pinetree Ridge, Meriden Conn	BE7-7267
Wash	Pacific Electrical Sales Co	140 S.E. 28th Ave, Portland 14, Ore	BE5-4137
W. Va	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
Wisc	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Canada	Willard Spenser Co	20144 Livernois Dr, Detroit 21, Mich	UN3-5189
	INDUSTRIAL ELECTRICAL WORKS	**1509 Chicago St, Omaha 2, Neb**	
	INDUSTRIAL ELECTRONIC ENGINEERS INC	**5528 Vineland Ave, N.Hollywood, Cal**	**TR7-1144**
RI	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	
SC	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Tenn	Don Champion Co	P.O. Box 456, Hurst, Tex	
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	
Va	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
W. Va	Assembly Prod of Pittsburgh	517 Second Ave, Pittsburgh 19, Pa	
Foreign	Counting Instruments Limited	5 Elstree Way, Borehám Wood, Hertfordshui, England	
Ala	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Conn	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
Del	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
DC	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
Fla	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Ga	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Ill	Magnuson Association	3347 Irving Park Rd, Chicago 18, Ill	
Ind	Magnuson Associates	3347 Irving Park Rd, Chicago 18, Ill	
Iowa	Magnuson Association	3347 Irving Park Rd, Chicago 18, Ill	
Me	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	
Md	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	
Mich	S Sterling Co	15310 W. Mc Nichols Rd, Detroit 35, Mich	
Minn	Magnuson Associates	1359 W. Maynard Dr, St. Paul, Minn	
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	
NJ	Angus-Sloane Associates	13 E. Main St, Moorestown, NJ	
NY	B B Taylor Co., Inc	2270 Grand Ave, Baldwin, NY	
NC	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Ohio	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 21, Ohio	
Ohio	S Sterling Co	363 W. First, Dayton 2, Ohio	
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	
Pa	Assembly Prod of Pittsburgh	517 Second Ave, Pittsburgh 19, Pa	
	INDUSTRIAL ELECTRONIC HARDWARE CORP	**109 Prince St, New York 12, NY**	**OR7-1881**
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ariz	R L Reid & Co	248 W. Pamela Rd, Arcadia, Cal	MU1-0711
Cal	Featherstone & Salisbury Co	1355 Market St, San Francisco, Cal	KL2-7311
Cal	R L Reid & Co	248 W. Pamela Rd, Arcadia, Cal	MU1-0711
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	John Hoover	1805 Hillenwood Rd, Baltimore, Md	ID5-5872
DC	John Hoover	1805 Hillenwood Rd, Baltimore, Md	ID5-5872
Fla	Floyd Fausett & Co	2727 Aloma Ave, Winter Park, Fla	
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ill	Memac Sales Co	4740 N. Austin Blvd, Chicago, Ill	KI5-1033
Ind	Southern Sales Co	Box 105, Angola, Ind	777
Iowa	Elmer O Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Ky	Mc Fadden Sales Co	150 E. Broad St, Columbus, Ohio	CA1-3363
Me	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Md	John Hoover	1805 Hillenwood Rd, Baltimore, Md	ID5-5872
Mass	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Minn	Elmer O Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Neb	Elmer O Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
NH	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
NY	F W Taylor	4455 E. Genesee St, Dewitt, NY	GI6-0422
NY	Harris Clotworthy	P.O. Box 867, Poughkeepsie, NY	ME5-3340
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Ohio	Mc Fadden Sales Co	150 E. Broad St, Columbus, Ohio	CA1-3363
Ore	James J Backer	221 W. Galer St, Seattle, Wash	
Pa	Martin Friedman Associates	7 Heather Rd, Bala-Cynwyd, Pa	TR7-3450
RI	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Tenn	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Vt	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Va	John Hoover	1805 Hillenwood Rd, Baltimore, Md	ID5-5872
Va	Floyd Fausett Co	777 Pinehurst Terr, S.W., Atlanta, Ga	PL3-3104
Wash	Jas J Backer	221 W. Galer St, Seattle, Wash	
Wisc	Memac Sales Co	4740 N. Austin Blvd, Chicago, Ill	KI5-1033
Foreign	Malek Representaciones	Corrientes 222 Piso 16, Buenos Aires, Argentina	
	INDUSTRIAL ENGINEERING & EQUIPMENT CO	**22 Hanley Industrial Ct, St. Louis, Mo**	**MI7-3380**
Ariz	A C Baechlin Co	P.O. Box 1014, Scottsdale, Ariz	WH5-0903
Cal	Fuel Engineering Corp	22030 Edgar St, Torrance, Cal	NE6-0608
Cal	G J Yamas Co., Inc	667 Howard St, San Francisco 5, Cal	YU6-5031
Cal	G J Yamas Co., Inc	1621 E. Belmont, Fresno, Cal	AD7-9147
Cal	G J Yamas Co., Inc	P.O. Box 5216, Sacramento, Cal	GL2-5204
Conn	The Hoyt-Grant Co	3011 Dixwell Ave, Hamden 17, Conn	CH8-4447
Fla	Industrial Specialties Sales	424 MacDill Ave, Tampa, Fla	RE6-1480
Ga	Kennon & Johnson	7 Camden Rd, N.E., Atlanta 9, Ga	TR4-5566
La	J P Maguire Co	3144 Paris Ave, New Orleans 19, La	EV2392
Minn	Lester L Elstad Sales Co	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
NJ	Keer Electrical Supply Co	287-299 Mt. Pleasant Ave, Newark 4, NJ	HU4-7400
NY	Carse Electric Corp	1044 Broadway, Albany, NY	62-5364
NY	Cooper-Morgan Inc	Highland at Lake St, Hamburg, NY	EM3405
NY	Baker Co	261 W. Lincoln Ave, Mt. Vernon, NY	MO4-4638
Ohio	Briggs Equipment Co	1724 Guise Ct, Cincinnati 15, Ohio	VA1-2971
Ohio	C L Carll Co	3537 Lee Rd, Cleveland 20, Ohio	LO1-7400
Ore	Nelson English	1231 N. W. Hoyt St, Portland 9, Ore	CA7-2671
Pa	John P Clark Co	124 S. Easton Rd, Glenside, Pa	TU7-1776
Pa	V E Hendrickson Co	4112 Liberty Ave, Pittsburgh 24, Pa	MU1-9333
Tenn	Ledford Sales & Research Agency	311 Chickamauga Ave, Chattanooga, Tenn	CA9-5554
Tenn	Lloyd D Fitts	724 M & M Bldg, Memphis 3, Tenn	JA7-3729
Tenn	Wm C Armistead Co	103-16th Ave, S., Nashville 3, Tenn	CH2-5006
Tex	Harold O Knape & Co	3002 Commerce St, Dallas 26, Tex	RI7-7596
Tex	Harold O Knape & Co	3011 San Jacinto St, Houston, Tex	JA6-2729
Utah	Frontier Engineering Co	81 E. Seventh S., Salt Lake City 11, Utah	EM4-1136
Va	George R Walz	3741 N. Oakland, Arlington 7, Va	JA5-2454
Wash	R C English	4229-122 Ave, S.E., Bellevue, Wash	GL4-0566
Canada	Acme Engineering Co	814 Rockland Ave, Montreal 8, Que, Can	CR4-0707
	INDUSTRIAL ENGRAVERS INC	**2212 McDonald Ave, Brooklyn 23, NY**	**HI9-3200**
	INDUSTRIAL INSTRUMENTS INC	**89 Commerce Rd, Cedar Grove, NJ**	**CE9-6200**
Ala	W K Stallings	Atlanta, Ga	CE7-0600
Ariz	G H Vaughan Co	Pasadena, Cal	RY1-4511
Cal	G H Vaughan Co	Pasadena, Cal	RY1-4511
Cal	G H Vaughan Co	Palo Alto, Cal	DA1-1347
Conn	Howard J Schuft Co	Newtonville, Mass	LA7-5304
Del	Gawler-Knoop Co	Silver Spring, Md	JU5-7550
DC	Gawler-Knoop Co	Silver Spring, Md	JU5-7550
Ill	Thomson Co	Chicago, Ill	AN3-5056
Ind	Thomson & Co	Chicago, Ill	AN3-5056
La	Gay Sales	Baton Rouge	EL7-2423
Me	Howard J Schuft Co	Newtonville, Mass	LA7-5304
Md	Gawler-Knoop Co	Towson, Md	VA5-3151
Mass	Howard J Schuft Co	Newtonville, Mass	LA7-5304
Mich	Anger Associates	Dearborn, Mich	LU4-9853
Minn	Engineering Products Association	St Paul, Minn	MI6-3443
Mo	Fixman Engineering Co	St Louis, Mo	PA5-5219
Nev	G H Vaughan Co	Palo Alto, Cal	DA1-1347
NH	Howard J Schuft Co	Newtonville, Mass	LA7-5304
NJ	Gawler-Knoop Co	Roseland, NJ	CA6-4545
NM	G H Vaughan Co	Pasadena, Cal	RY1-4511
NY	E A Ossmann & Associates Inc	Rochester, NY	LU5-4940
NY	E A Ossmann & Associates Inc	Syracuse, NY	HE7-8446
NY	E A Ossmann & Associates Inc	Binghamton, NY	EN5-0296
NC	MacGuire Instrument Co	Charlotte, NC	EM6-3454
ND	Engineering Products Association	St. Paul, Minn	MI6-3443
Ohio	Anger Associates	Dearborn, Mich	LU4-9853
Ohio	K Lesker	Pittsburgh, Pa	TU1-4666
Ore	Fryer & Co., Inc	Portland, Ore	CA6-3733
Pa	Gawler-Knoop Co	Wyncote, Pa	TU4-8805
Pa	Kurt Lesker Co	Pittsburgh, Pa	TU1-4666
RI	Howard J Schuft Co	Newtonville, Mass	LA7-5304
SC	MacGuire Instrument Co	Charlotte, NC	EM6-3454
SD	Engineering Products Association	St. Paul, Minn	MI6-3443
Tex	Gay Sales	Houston, Tex	JA9-3479
Vt	Howard J Schuft Co	Newtonville, Mass	LA7-5304
Va	Gawler-Knoop Co	Silver Spring, Md	JU5-7550
Wash	Fryer & Co., Inc	Portland, Ore	CA6-3733
W. Va	Kurt Lesker Co	Pittsburgh, Pa	TU1-4666
Wisc	Engineering Products Association	St. Paul, Minn	MI6-3443
Wisc	R Thomson & Co	Chicago, Ill	AN3-5056
Canada	Lisle Instrument Systems	Scarborough, Ontario, Canada	PL9-6736
	INDUSTRIAL MICA CORP	**221 S.Van Brunt St, Englewood, NJ**	**LO8-7200**
Cal	Yarbrough Sales Co	263 Mission St, San Marino, Cal	SY9-7055
Pa	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575
	INDUSTRIAL NUCLEONICS CORP	**650 Ackermen Rd, Columbus, Ohio**	**AM7-6351**
Ala	Industrial Nucleonics Corp	1605 4th St, N.W., Birmingham, Ala	FA3-5964
Cal	Industrial Nucleonics Corp	788 Miramar Terr, Belmont, Cal	DI4-8981
Ill	David S Delbridge	P.O. Box 147, Belleville, Ill	
Ill	Donald H Williams	Park Forrest, Ill	FI6-7918
Mo	Industrial Nucleonics Corp	4550 Main St, Kansas City 12, Mo	WE1-4541
NJ	Industrial Nucleonics Corp	30 Woodland Rd, Jamesburg, NJ	JU2-7288
NY	Industrial Nucleonics Corp	333 W. 57th St, New York, NY	JU2-7288
NY	Industrial Nucleonics Corp	30 Cedar Valley Ln, Huntington, L I, NY	JU2-7288
Canada	AccuRay of Canada Ltd	1500 St. Catherine St, W., Montreal, Que	WE3-5524
	INDUSTRIAL PLASTIC FABRICATORS INC	**Endicott St, Norwood, Mass**	**NO3-7411**
Ala	D B Gooch & Associates	5018 First Ave, N., Birmingham, Ala	LY2-8191
Cal	J William Grant	385 E. Green St, Pasadena, Cal	SY5-2611
Cal	East Bay Engineering Co	160 Santa Clara Ave, Oakland, Cal	OL5-6068
Colo	Aldredge & McCabe	847 E. 17th Ave, Denver 18, Colo	AL5-7496
Conn	Charles C Crowdis	84 Market Square, Newington, Conn	MO6-9852
Fla	Johnson Roney II & Associates	P.O. Box 26, Clearwater, Fla	CL3-1136
Ill	Carroll & Associates	3209 35th Ave, Rock Island, Ill	6-7519
Ill	Prenco Engineering Corp	6435 N. Central Ave, Chicago 46, Ill	FR2-6658
Ind	Laidlau Co	11 W. 17th St, Indianapolis 2, Ind	WA3-7251
Md	C D Lutton Co	2127 Maryland Ave, Baltimore 18, Md	BE5-5957
Mass	Chemicals Export Co	262 Washington St, Boston 8, Mass	RI2-1661
Mass	J M Pettingell & Associates	385 Concord Ave, Belmont 78, Mass	IV4-9220
Minn	C Emery Nelson Inc	2404 E. Hennepin Ave, Minneapolis 13	FR1-1881
Mo	Dunstan Co	P.O. Box 4, St. Louis 19, Mo	WO1-7816
NJ	Camden Coatings & Linings	Box 31, Camden, NJ	NO2-1912
NJ	Frederick E Herstein & Associates	1429 Rt 22, Mountainside, NJ	AD3-3747
NY	Corrosion Resistants Inc	53 Great Arrow Ave, Buffalo 16, NY	VI3362
Ohio	Frank Wales Smith	12417 Cedar Rd, Cleveland 6, Ohio	ER1-4882
Okla	Haynes Co	1215 E. 20th St, Tulsa 20, Okla	LU4-6748
Pa	F R Magill Co	44 McKnight St, Pittsburgh 20, Pa	WA1-8500
Pa	Fred G Baker	128 Comp St, Emmaus, Pa	WO5-4854
Wash	General Equipment Co	S. 159 Stevens St, Spokane 4, Wash	TE8-1409
Wash	R E Chase & Co., Inc	Box 1414, Tacoma 1, Wash	
Wisc	H W Ressler	1348 N. 37th St, Milwaukee 8, Wisc	DI2-5700
	INDUSTRIAL PRODS DANBURY KNUDSEN DIV AMPHENOL BORG ELECTRONICS CORP	**33 E. Franklin Rd, Danbury, Conn**	**PI3-9271**
Ariz	Premmco Inc	5470 Valley Blvd, Los Angeles, Cal	
Cal	Eichorn & Melchior Inc	749 Bryant St, San Francisco 7, Cal	
Cal	Premmco Inc	5470 Valley Blvd, Los Angeles, Cal	
Idaho	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
Ill	Gassner & Clark	6644 N. Western Ave, Chicago 45, Ill	
Kan	Inland Associates	6047 Howe Dr, Mission, Kan	
Minn	Northport Engineering	1729 Selby Ave, St. Paul 4, Minn	
Nev	Eichorn & Melchior Inc	749 Bryant St, San Francisco 7, Cal	
NM	Premmco Inc	5470 Valley Blvd, Los Angeles, Cal	
NC	Atcheson & Adams	P.O. Box 2158, Greensboro, NC	
ND	Northport Engineering	1729 Selby Ave, St. Paul 4, Minn	
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
SD	Northport Engineering	1729 Selby Ave, St. Paul 4, Minn	
Tex	J Earl Smith	6211 Denton Dr, Dallas 35, Tex	
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
	INDUSTRIAL REFRIGERATION CO., INC	**8940 Ellis Ave, Los Angeles 34, Cal**	**UP0-6664**
	INDUSTRIAL RETAINING RING CO	**57 Cordier St, Irvington 11, NJ**	
	INDUSTRIAL SYSTEMS CO	**32 Main St, Matawan, NJ**	**LO6-4660**
Cal	Chubco Co	Oakland, Cal	
Ohio	Production Heating Equipment Co	Cleveland, Ohio	
	INDUSTRIAL TECTONICS INC	**18301 Santa Fe Ave, Compton, Cal**	**NE6-9944**
Ala	D G Machinery & Gage Co	1920 Cheshire Bridge Rd, N.E., Atlanta, Ga	ME6-5511
Ariz	Martin D Hecht Associates	Phoenix, Ariz	
Ark	Robco Sales Engineers	Dallas 6, Tex	
Colo	A E Werner	Petroleum Club Bldg, Denver 2, Colo	MA3-9235
Conn	Robert F X Casey	Dedham, Mass	DA6-5912
Del	Stanley R Holland	Glenside, Pa	TU7-1822
DC	Stanley R Holland	Glenside, Pa	TU7-1822
Fla	Fred Colton	Hollywood, Fla	
Ga	D G Machinery & Gage Co	Atlanta 9, Ga	ME6-5511
Idaho	John W Johnson	Seattle 66, Wash	CH2-4695
Ill	Willard H Martindale	South Bend, Ind	AT7-5086
Ind	Willard H Martindale	South Bend, Ind	AT7-5086

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Iowa	Thomas R White	Kansas City 8, Mo	BA1-9696
Kan	A E Werner	Petroleum Bldg, Denver 2, Colo	MA3-9235
La	Robco Sales Engineers	Dallas 6, Tex	
Me	Robert F X Casey	Dedham, Mass	DA6-5912
Md	Stanley R Holland	Glenside, Pa	TU7-1822
Mass	Robert F X Casey	Dedham, Mass	DA6-5912
Mich	Chester M Adams	Ann Arbor, Mich	NO2-7449
Minn	William K Nelson & Co	Minneapolis 4, Minn	FE3-1215
Mo	Thomas R White	Kansas City 8, Mo	BA1-9696
Neb	A E Werner	Denver 2, Colo	MA3-9235
NH	Robert F X Casey	Dedham, Mass	DA6-5912
NJ	Richard W C Barr	Northport, NY	MU2-5844
NM	A E Werner	Denver 2, Colo	MA3-9235
NY	Richard W C Barr	Northport, NY	MU2-5844
NY	Syracuse Bearing Co	Syracuse 2, NY	GR4-7041
NC	Crotts & Saunders Engineering	Winston Salem, NC	PA4-0163
Ohio	W Clark Devitt	20800 Center Ridge Rd, Cleveland 16,	ED3-1290
Okla	Robco Sales Engineers	Dallas 6, Tex	
Ore	John W Johnson	Seattle 66, Wash	CH2-4695
Pa	Stanley R Holland	Glenside, Pa	TU7-1822
Pa	Syracuse Bearing Co	Syracuse 2, NY	GR4-7041
RI	Robert F X Casey	Dedham, Mass	DA6-5912
SC	Crotts & Saunders Engineering	Winston Salem, NC	PA4-0163
Tenn	D G Machinery & Gage Co	Atlanta 9, Ga	ME6-5511
Tex	Southwestern Precision Sales	Dallas, Tex	EM3-1121
Utah	Martin D Hecht Associates	Phoenix, Ariz	
Vt	Robert F X Casey	Dedham, Mass	DA6-5912
Va	Stanley R Holland	Glenside, Pa	TU7-1822
Va	Crotts & Saunders Engineering	Winston Salem, NC	PA4-0163
Wash	John W Johnson	Seattle 66, Wash	CH2-4695
Wisc	Willard H Martindale	South Bend, Ind	AT7-5086
Wisc	William K Nelson & Co	Minneapolis, Minn	FE3-1215

	INDUSTRIAL TEST EQUIPMENT CO	**55 E. 11th St, New York 3, NY**	**GR3-4684**
Ala	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Cal	Landis Associates	1531 S. Robertson Blvd, L A 35, Cal	BR2-7538
Cal	Ellenje Co	345 California Ave, Palo Alto, Cal	DA6-1655
Conn	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Del	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
Fla	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Ga	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Me	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Minn	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Miss	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
NH	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
NJ	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
NY	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
NC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Pa	R E Weber Co	15 Terry Ln, East Brunswick, NJ	CL7-5243
RI	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
SC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Tenn	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3-3328
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Foreign	Lindor International Corp	10 E. 40th St, New York 16, NY	MU5-5740
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Que	UN6-7367

	INDUSTRIAL TIMER CORP	**1407 McCarter Hwy, Newark 4, NJ**	**HU4-5600**
Ala	E C Raymond & Associates	1121 Arlington Ave, St. Petersburg, Fla	WA1-9735
Alaska	C B Parsons Co	3028 First Ave, Seattle, Wash	MU2-6780
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	AL4-4664
Ark	Crockett-Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Cal	E V Roberts & Associates	5068 W. Washington St, Los Angeles, Cal	WE8-2541
Cal	E V Roberts & Associates	506 Laurel, San Carlos, Cal	LY3-7878
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	White Sales Co., Inc	36 Mildrum Rd, Berlin, Conn	BA4-0423
Del	Naudain-Bohaker & Co	Suburban Bldg Sta, Philadelphia, Pa	LO4-3194
DC	Naudain-Bohaker & Co	P.O. Box 3024, Alexandria, Va	TE6-6114
Fla	E C Raymond & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Ga	E C Raymond & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Hawaii	E V Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
Idaho	C B Parsons Co	3028 First Ave, Seattle, Wash	MU2-6780
Ill	Hill-Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ind	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	F C Valentine Inc	511 Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN9122
La	Crockett-Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Me	White Sales Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-3676
Md	Naudain-Bohaker & Co	152 Brandon Rd, Baltimore, Md	VA5-5492
Mass	White Sales Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-3676
Mich	Koehler-Pasmore	11833 Hamilton Ave, Detroit, Mich	TO8-3322
Minn	Klass Co	814 S. 9th St, Minneapolis, Minn	FE8-8247
Miss	E C Raymond & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Mont	C B Parsons Co	3028 W. 34th St, Seattle, Wash	MU2-6780
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Nev	E V Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
NH	White Sales Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-3676
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse, NY	GR8-2141
NC	Barker Instrument & Machine Co	P.O. Box 335, Charlotte, NC	ED4-1222
ND	Klass Co	814 S. 9th St, Minneapolis, Minn	FE8-8427
Ohio	F C Valentine Inc	12417 Cedar St, Cleveland Heights, Ohio	FA1-0266
Okla	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Ore	C B Parsons Co	3028 First Ave, Seattle, Wash	MU2-6780
Pa	Naudain-Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Pa	Russell F Clark Co	1401 Clark Bldg, Pittsburgh, Pa	AT1-8089
RI	White Sales Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-3676
SC	Barker Instrument & Machine Co	Box 3598, Greenville, SC	GR5-5022
SD	Klass Co	814 S. 9th St, Minneapolis, Minn	FE8-8427
Tenn	E C Raymond & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tex	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	White Sales Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-3675
Va	Naudain-Bohaker & Co	P.O. Box 3024, Alexandria, Va	TE6-6114
Wash	C B Parsons Co	3028 First Ave, Seattle, Wash	MU2-6780
W. Va	Russell F Clark	1401 Clark Bldg, Pittsburgh, Pa	AT1-8089
Wisc	Hill-Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	E W Playford Ltd	5851 Upper Lachine Rd, Montreal, Canada	HU9-5383
Foreign	Buck International	Box 46, Brookdale Sta, Bloomfield, NJ	

	INDUSTRIAL TRANSFORMER CORP	**Gooldsboro, Pa**	**VI2-2111**
Cal	L West	262 S. Los Robles Ave, Pasadena, Cal	MU1-5281
Conn	Johnson Associates	404 Main St, Wakefield, Mass	
Del	Sam Lundy	Havertown, Pa	
Fla	Chris Snell	P.O. Box 1346, Orlando, Fla	GA2-7342
Me	Johnson Associates	404 Main St, Wakefield, Mass	
Md	Sam Lundy	Havertown, Pa	
Mass	Johnson Associates	404 Main St, Wakefield, Mass	
NH	Johnson Associates	404 Main St, Wakefield, Mass	
NJ	Hunter C Salsbury	87 Broadway, Hicksville, NY	
NY	Hunter C Salsbury	87 Broadway, Hicksville, NY	
Pa	Sam Lundy	224 Wickford Rd, Havertown, Pa	HI6-5741
RI	Johnson Associates	404 Main St, Wakefield, Mass	
Wash	Sam Lundy	224 Wickford Rd, Havertown, Pa	HI6-5741
W. Va	Sam Lundy	224 Wickford Rd, Havertown, Pa	HI6-5741

	INDUSTRIAL TUBES INC	**321 Stevens St, Geneva, Ill**	**GE806-807**

	INDUSTRIAL WINDING MACHINERY CORP	**120 Wall St, New York 5, NY**	**WH3-1754**
Mo	Service Supply Co	640 Atlanta Ave, Webster Groves, Mo	WO1-7688
Tex	R A Hayes Co	Box 3344, El Paso, Tex	LY8-2982

	INDUSTRO TRANSISTOR CORP	**35-10 36th Ave, L I City 6, NY**	**EX2-8000**
Ala	Floyd Fausett & Co	209 78 St, N. Birmingham, Ala	VE5-5802
Cal	G B Ellis Sales Co	6715 Hollywood Blvd, Hollywood 8, Cal	HO3-0903
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Mass	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Mich	Kohler-Pasmore Co	11833 Hamilton, Detroit 3, Mich	TO8-3322
Minn	Merrill Franklin Co	338 E. Franklin Ave, Minneapolis 4, Minn	FE6-2315
Mo	E B Schwerin Co	4210 Main St, Kansas City, Mo	WE1-7564
NJ	Ray Lawson	8 N. Lincoln Ave, Wenonah, NJ	UL7-0089
NM	Hyde Electronics Co	5206 Constitution Ave, N.W., Albuquerque	AM8-1111
NY	Cooper-Simon & Co	400 E. 79 St, New York 21, NY	LE5-2900
NY	E W Stone Co	306 Merritt Ave, Syracuse 7, NY	HO9-3825
SC	Floyd Fausett & Co	Stone Point, Greenwood, SC	GL1-2897
Tex	Edward F Aymond Co	P.O. Box 6595, Dallas 19, Tex	LA6-5233
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Wash	Ray Johnston Co	1011 E. 69 St, Seattle 15, Wash	LA4-5170

	INDUSTRON CORP	**55 Needham St, Newton Highlands, Mass**	

	INERTIA SWITCH INC	**311 W. 43rd St, New York 36, NY**	**JU6-5880**
Ala	Charles W Kinsley	Times Bldg, Huntsville, Ala	JE4-7304
Ariz	Joe Davidson Associates	Box 108, South Gate, Cal	NE6-2245
Cal	Joe Davidson Associates	Box 108, South Gate, Cal	NE6-2245
Conn	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Del	Technicraft Co	6222 Ridge Ave, Philadelphia 28, Pa	IV2-2323
Fla	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	CE7-2971
Ga	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	CE7-2971
Kan	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Me	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Md	Technicraft	6222 Ridge Ave, Philadelphia 28, Pa	IV2-2323
Mass	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Mo	Southern Industrial Electronics	Box 9814, Dallas, Tex	FL2-3901
Nev	Joe Davidson Associates	Box 108, South Gate, Cal	NE6-2205
NH	Bordewieck Engrg Sales Co	221 Grove St, Braintree, Mass	VI3-0845
NJ	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NM	Joe Davidson Associates	Box 108, South Gate, Cal	NE6-2245
NY	Central Associates	29 Ranch Ln, Levittown, NY	DE5-4783
NC	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	CE7-2971
Ohio	Robert K Deunk Associates	10005 Chippewa Rd, Brecksville, Ohio	JA6-4317
Okla	Southern Industrial Electronics	Box 9814, Dallas, Tex	FL2-3901
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	Technicraft	6222 Ridge Ave, Philadelphia 28, Pa	IV2-2323
RI	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
SC	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	CE7-2971
Tenn	Emmett R Rushin Co	786 Mimosa Blvd, Roswell, Ga	CE7-2971
Tex	Joe Davidson Associates	Box 108, South Gate, Cal	NE6-2245
Vt	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Foreign	Inertia Switch Ltd	Victoria Rd, Burgess Hill, Sussex, England	

	INFRARED INDUSTRIES INC	**Waltham 54, Mass**	
Cal	Infrared Standards Lab	10555 Magnolia Ave, Riverside, Cal	

	INGRAHAM CO., E	**Bristol, Conn**	**LU2-6321**

	INJECTORALL CO	**12 Bay 50 St, Brooklyn 14, NY**	**ES3-1876**
Ariz	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	
Ark	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	
Conn	Near Inc	99 Highland Ave, Somerville 43, Mass	
Del	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
DC	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
Idaho	A C McMillan Co	10111 S.W. 62nd Ave, Portland 19, Ore	
Ill	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	
Ill	Jack Kelley Sales Co	972 N. Geyer Rd, Kirkwood 22, Mo	
Ind	Moore Sales Co	401 Margaret W., Detroit 3, Mich	
Iowa	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	
Kan	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	
Ky	Fred A Rosenwasser Sales	13781 Cedar Rd, S. Euclid 18, Ohio	
La	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	
Me	Near Inc	99 Highland Ave, Somerville 43, Mass	
Md	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	
Mich	Moore Sales Co	401 Margaret W., Detroit 3, Mich	
Minn	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	
Mo	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	
Mont	A C McMillan Co	10111 S.W. 62nd Ave, Portland 19, Ore	
Neb	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	
Nev	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	
NH	Near Inc	99 Highland Ave, Somerville 43, Mass	
NJ	Samuel Wollman	3021 Ave I, Brooklyn 10, NY	ES7-7735
NY	Samuel Wollman	3021 Ave I, Brooklyn 10, NY	ES7-7735
NY	L J McTaggart	3053 Main St, Buffalo 14, NY	
ND	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	
Ohio	Fred A Rosenwasser Sales Co	13781 Cedar Rd, S. Euclid 18, Ohio	
Okla	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	
Ore	A C McMillan Co	10111 S.W. 62nd Ave, Portland 19, Ore	
Pa	Fred A Rosenwasser Sales Co	13781 Cedar Rd, S. Euclid 18, Ohio	
Pa	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
RI	Near Inc	99 Highland Ave, Somerville 43, Mass	
SD	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	
Tex	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	
Vt	Near Inc	99 Highland Ave, Somerville 43, Mass	
Va	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
Wash	A C McMillan Co	10111 S.W. 62nd Ave, Portland 19, Ore	
W. Va	Fred A Rosenwasser Sales Co	13781 Cedar Rd, S. Euclid 18, Ohio	
Wisc	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	
Canada	J J MacQuarrie	46 St. George St, Toronto 5, Ontario, Canada	

	INLAND ELECTRONICS CORP	**500 Robbins Ave, Aurora, Ill**	**6-7744**

	INLAND MOTOR CORP	**18 Walter St, Pearl River, NY**	**PE5-4016**
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Va	Inland Motor Corp of Va	501 First St, Radford, Va	NE9-3973

	INSCO DIV BARRY CONTROLS INC	**Hollis St, Groton, Mass**	**GI8-6358**
Cal	Barry Controls Inc Western Div	1400 N Flower St, Glendale, Cal	
Ill	The Barrymount Corp	7029 W. Grand Ave, Chicago, Ill	NA2-5250
Mich	The Barrymount Corp	18401 E. Warren Ave, Detroit, Mich	
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
Ohio	The Barrymount Corp	39 N. Torrance St, Dayton, Ohio	CL4-1311

	INSL-X CO., INC	**Water St, Ossining, NY**	**WI1-1842**
Ala	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Alaska	Don Finrow	3753 Brooklyn Ave, Seattle, Wash	
Ark	Tom Spivey Co	7547 Wilmerdean, Houston 17, Tex	MI9-1221
Cal	Geo B Ellis Sales Co	2136 El Camino Real, Mt. View, Cal	DA1-3100
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Fla	Jack Russell	1715 Silverstar Rd, Orlando, Fla	
Ga	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Ill	Roya A Stamm	21 E. Van Buren St, Chicago, Ill	WE9-4840
Kan	Midwest Products	P.O. Box 419, Oklahoma City, Okla	
La	Tom Spivey Co	7547 Wilmer Dean, Houston 17, Tex	MI9-1221
Me	Gyson Associates	12 Foster Rd, Wenham, Mass	WA2-5770
Mass	Earl Opdyke	13 Emerson Ave, Brockton, Mass	WA2-5770
Mass	Gyson Associates	12 Foster Rd, Wenham, Mass	WA2-5770
Minn	R A Stamm	21 E. Van Buren St, Chicago, Ill	WE9-4840
Miss	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Nev	George B Ellis	2136 El Camino Real, Mt. View, Cal	DA1-3100
NH	Gyson Associates	12 Foster St, Wenham, Mass	WA2-5770
NJ	Harry Jacobson	235 Lyons Ave, Newark, NJ	LO2-7880
NJ	Larry Tufts	13 Susquehana Rd, Ossining, NY	WI1-0161
NY	Larry Tufts	13 Susquehana Rd, Ossining, NY	
NY	Jack Burr	25 Baker Rd, Gloversville, NY	
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	
Okla	Midwest Products Co	P.O. Box 419, Oklahoma City, Okla	
Okla	Tom Spivey Co., Inc	7547 Wilmerdean, Houston 17, Tex	MI9-1221
Ore	Don Finrow	3753 Brooklyn Ave, Seattle, Wash	
Pa	McLoughlin & Gough	P.O. Box 43, Oreland, Pa	TU7-7205
RI	Gyson Associates	12 Foster St, Wenham, Mass	WA2-5770
Tenn	W E Edmundson	P.O. Box 38, Powell, Tenn	
Tex	Tom Spivey Co., Inc	7547 Wilmerdean, Houston 17, Tex	MI9-1221
Vt	Gyson Associates	12 Foster St, Wenham, Mass	WA2-5770
Wash	Don Finrow	3753 Brooklyn Ave, Seattle, Wash	
Wash	R G Brooks	102 S. Daives, Kennewick, Wash	
Wisc	R A Stamm	21 E. Van Buren St, Chicago, Ill	WE9-4840
Canada	O Biedermann & Co	2435 Lucern Rd, Montreal, Canada	
Canada	Paul Gervais	9120 Blvd St, Laurent, Montreal, Canada	

	INSO ELECTRONIC PRODUCTS INC	**1200 Commerce Ave, Union, NJ**	**MU6-4258**
Ariz	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7111
Cal	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Conn	Pacent-Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
Idaho	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Conn	Pacent-Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
Idaho	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Iowa	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Kan	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Me	Pacent Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
Mass	Pacent Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Mont	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Neb	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Nev	Logant Stone	1485 Bay-Shore Blvd, San Francisco, Cal	DE4-1200
NH	Pacent Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
NJ	Pacent Engineering Inc	300 Northern Blvd, Great Neck, NY	HU2-4678
NY	Pacent Engineering Inc	300 Northern Blvd, Great Neck, NY	HU2-4678
Ohio	Allen Nace Co	7601 Parkview Rd, Brecksville, Ohio	JA6-4324
Okla	Kemp Engineering Co	P.O.Box 13251, Dallas, Tex	FL7-6663
Ore	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Pa	Allen Nace Co	101 Investment Bldg, Pittsburgh, Pa	AT1-6050
RI	Pacent Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
Tex	Kemp Engineering Co	P.O.Box 13251, Dallas 20, Tex	FL7-6663
Utah	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Vt	Pacent Welling Inc	900 Statler Office Bldg, Boston, Mass	HA6-2248
Wyo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
	INSTROL INC	**135 E. Dole Goere, Santa Barbara, Cal**	**WO5-1691**
Cal	Electro-Mechanical Instruments	4976 Eagle Rock Blvd, Los Angeles 41	CL4-2841
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4646
Fla	Perrot Associates	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Mass	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-6630
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Pa	Fred F Bartlett Co	18 West Ave, Wayne, Pa	MU8-7325
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
	INSTRON ENGINEERING CORP	**2500 Washington St, Canton, Mass**	**CA6-2500**
Cal	Instron Engineering Corp	1271 S. Boyle Ave, Los Angeles, Cal	AN2-3452
Del	Instron Engineering Corp	2501 Concord Pike, Wilmington 3, Del	OL4-9077
Ill	Instron Engineering Corp	520 Devon Ave, Park Ridge, Ill	
Ohio	Instron Engineering Corp	5556 Pearl Rd, Cleveland 29, Ohio	TU6-4200
	INSTRU-LEC CORP	**520 Homestead Ave, Mt. Vernon, NY**	**MO8-3754**
	INSTRUMENT DEVELOPMENT LABORATORIES INC	**67 Mechanic St, Attleboro, Mass**	**AT1-3880**
Ala	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3070
Ariz	Weightman & Associates	4029 Burbank Bldg, Burbank, Cal	VI9-2435
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Cal	Weightman & Associates	1436 El Camino Real, Menlo Park, Cal	DA6-3797
Colo	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE5434
Conn	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
Del	Industrial Equipment Inc	1624 Eye St, N.W., Washington 6, DC	ST3-3453
DC	Industrial Equipment Inc	1624 Eye St, N.W., Wash 6, DC	ST3-3453
Fla	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ga	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Me	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
Md	Industrial Equipment Inc	1624 Eye St, N.W., Wash 6, DC	ST3-3453
Mass	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
Miss	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Mont	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE5434
NH	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
NJ	Andrews & Andrews	403 Kent Rd, Tenafly, NJ	LO9-8800
NM	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	Andrews & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
NC	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Okla	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Pa	Industrial Equipment Inc	1624 Eye St, N.W., Wash 6, DC	ST3-3453
RI	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
SC	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Tenn	Vanguard Associates	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Tex	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque,NM	CH3-4551
Vt	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
Va	Industrial Equipment Inc	1624 Eye St, N.W., Washington, DC	ST3-3453
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
	INSTRUMENT ELECTRONICS CORP	**Box 830, Port Washington, NY**	**PO7-4242**
	INSTRUMENT GEAR WORKS INC	**4624 N. Oketo, Chicago 31, Ill**	**UN7-9090**
	INSTRUMENT LABORATORIES	**315 W.Walton Pl, Chicago 10, Ill**	**MU2-0123**
	INSTRUMENT RESISTORS CO	**1836 Commerce Ave, Union, NJ**	**MU6-4343**
	INSTRUMENT SPECIALTIES CO., INC	**254 Bergen Blvd, Little Falls, NJ**	**CL6-3500**
	INSTRUMENT SYSTEMS CORP	**129-07 18th Ave, College Point 56, NY**	**IN1-1000**
	INSTRUMENTS FOR INDUSTRY INC	**99 New South Rd, Hicksville, NY**	**OV1-7100**
Ariz	Weightman & Associates	4209 Burbank Blvd, Burbank, Cal	VI9-2435
Ark	Packard Associates	404 Love Fld Air Term, Dallas 35, Tex	FL7-5713
Cal	Weightman & Associates	4209 Burbank Blvd, Burbank, Cal	VI9-2435
Cal	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills	BR2-9311
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
Conn	R F MacDowell Co., Inc	Box 242, Elmwood, Conn	AD6-0200
Del	Wally Shulan & Co	Box 287P, Rt 1, Glen Burnie, Md	AR3369W
DC	Wally Shulan & Co	Box 287P, Rt 1, Glen Burnie, Md	AR3369W
Fla	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Ga	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Idaho	Rush Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Ill	Nero Electronics Sales Co	3516 Elmwood Ave, Wilmette, Ill	AL6-1045
Ill	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ind	R O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
Iowa	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
Kan	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
La	Packard Associates	404 Love Fld Air Term, Dallas 35, Tex	FL7-5713
Me	Michael Scott Co., Inc	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Mass	Michael Scott Co., Inc	336 Washington St, Wellesley Hills 81	CE5-0102
Mich	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Mo	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
Mont	Rush Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Neb	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	EV1-3050
Nev	Weightman & Associates	4209 Burbank Blvd, Burbank, Cal	VI9-2435
NH	Michael Scott Co., Inc	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
NJ	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	MO3543
NY	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
NY	Martin Electronic Mktg Organiz Inc	69 Greenwich St, Hempstead, NY	IV3-4060
NC	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
ND	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Ohio	R O Whitesell & Associates	2600 Far Hills Bldg, Dayton, Ohio	AX8-4261
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Okla	Packard Associates	404 Love Fld Air Term, Dallas 35, Tex	FL7-5713
Ore	Rush Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	R O Whitesell & Associates	2600 Far Hills Bldg, Dayton, Ohio	AX8-4261
Pa	Martin Electronic Mktg Organiz Inc	Philadelphia, Pa	LO7-3080
RI	Michael Scott Co., Inc	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
SC	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tenn	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Tex	Packard Associates	404 Love Fld Air Term, Dallas 35, Tex	FL7-5713
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
Vt	Michael Scott Co., Inc	336 Wash St, Wellesley Hills 81, Mass	CE5-0102
Va	Wally Shulan & Co	Box 287P, Rt 1, Glen Burnie, Md	AR3369W
Wash	Rush Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	R O Whitesell & Associates	2600 Far Hills Bldg, Dayton, Ohio	AX8-4261
Wisc	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
Foreign	Electronics Mfrs Export Co	127 Grace St, Plainview, NY	WE1-3700
Canada	Electrodesign	9124 St. Lawrence Blvd, Montreal, Can	DU9-5914
	INSULATING FABRICATORS INC	**150 Union Ave, E. Rutherford, NJ**	
	INSULATION MFRS CORP	**565 W. Washington Blvd, Chicago 6, Ill**	**CE6-7320**
Ill	Complete-Reading Elec Co	100 S. Jefferson St, Chicago 6, Ill	CE6-5390
Mich	Insulation & Copper Sales	15605 Woodrow Wilson, Detroit 38, Mich	TU3-0660
Minn	H A Holden Inc	1208 Harmon Pl, Minneapolis 3, Minn	FE6-5353
Ohio	Complete-Reading Elec Co	1437 St. Clair Ave, Cleveland, Ohio	MA1-8560
Pa	M C	Oliver Blvd, Pittsburgh 22, Pa	GR1-7100
Wisc	Manufacturers Specialties Co., Inc	1222 W. Clybourn, Milwaukee 3, Wisc	DI4-5400
	INTEGRATED MICA CORP	**202 Franklin Pl, Woodmere, NY**	**FR4-2350**
	INTERCONTINENTAL DYNAMICS CORP	**170 Coolidge Ave, Englewood, NJ**	**LO7-3600**
	INTERCONTINENTAL ELECTRONICS	**1551 Franklin Ave, Mineola, NY**	**PI6-5010**
NJ	C R Lawson	8 N. Lincoln Ave, Wenonah, NJ	UL7-0089
NY	Fay-Garrettson Inc	105 Hillside Ave, Williston Park, NY	PI2-1616
	INTERELECTRONICS CORP	**2432 Grand Concourse, New York 58, NY**	**LU4-6200**
	INTERFERENCE MEASUREMENT LAB	**901 E. 51st St, Brooklyn, NY**	**IN9-1765**
	INTERLAB INC	**437 Fifth Ave, New York, NY**	**MU4-6480**
Mass	Intertab Inc	800 East St, Tewksbury, Mass	UL1-7080
	INTERMETALL DIV CLEVITE CORP	**Dusseldorf/West Germany**	**107 17**
	INTERNATIONAL BUSINESS MACHINES CORP	**590 Madison Ave, New York, NY**	**PL3-1900**
	INTERNATIONAL CRYSTAL MFG CO., INC	**18 N. Lee, Ok' homa City, Okla**	**CE6-3741**
	INTERNATIONAL DIODE CORP	**90 Forrest St, Jersey City 4, NJ**	**HE2-0242**
	INTERNATIONAL ELECTRONIC IND INC	**Berry Rd, & Fessey Pk, Nashville, Tenn**	**CY8-4411**
Alaska	Fred H Haight Co	3718 E. 41st, Seattle, Wash	EA2-1818
Ariz	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
Ark	Packard Associates	Love Fld Air Term Bldg, Dallas 35, Tex	FL7-5713
Cal	Jerry Deere	1575 Laurel St, San Carlos, Cal	LY1-4423
Conn	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Del	Martin Friedman & Associates	7 Heather Pl, Bala Cynwyd, Pa	TR7-3450
DC	Martin Friedman & Associates	7 Heather Pl, Bala Cynwyd, Pa	TR7-3450
Fla	Benz Sales Co	Box 178, N. Miami Beach, Fla	FR4-1391
Hawaii	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20	CL1-3222
Iowa	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ky	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20, Ind	CL1-3222
La	Packard Associates	Love Fld Air Term Bldg, Dallas, Tex	FL7-5713
Me	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Md	Martin Friedman & Associates	7 Heather Pl, Bala Cynwyd, Pa	TR7-3450
Mass	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Mich	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 29, Ind	CL1-3222
Minn	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
NH	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NJ	Kahgan Sales Corp	1261 Broadway, New York 1, NY	MH4-7772
NY	Kahgan Sales Corp	1261 Broadway, New York 1, NY	MH4-7772
Ohio	Walter J Brauer & Associates	15631 Lakewood Hghts Blvd, Cleveland	LA1-7268
Okla	Packard Associates	Love Field Air Term Bldg, Dallas, Tex	FL7-5713
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Pa	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
RI	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Tex	Packard Associates	Love Field Air Term Bldg, Dallas 35	FI7-5713
Vt	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
Va	Martin Friedman & Associates	7 Heather Pl, Bala Cynwyd, Pa	TR7-3450
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
W. Va	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Wisc	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
	INTERNATIONAL ELECTRONIC RESEARCH CORP	**135 W. Magnolia Blvd, Burbank, Cal**	**VI9-2481**
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-6781
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver, Colo	DU8-4643
Fla	William M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta, Ga	PL5-5318
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Md	William M Jones Co	1107 Echo Ct, N., Towson, Md	VA3-2434
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0380
Mo	Thomson Engineering Service	8230 Forsyth Blvd, St. Louis, Mo	
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	Reed-Tolleifson Corp	2815 Monroe Ave, Rochester, NY	HI5-0450
Ohio	John B Anderson Co	209 W. 5th Ave, Columbus, Ohio	AX9-9523
Pa	John B Anderson Co	P.O. Box 4507, Pittsburgh, Pa	GR1-3399
Tex	Thomson Engineering Service	2520 Oak Lawn, Dallas, Tex	LA6-8741
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Canada	R-O-R Associates Ltd	1470 Don Mills Rd, Don Mills, Ont, Canada	HA4-4429
Foreign	Bo Palmblad Aktiebolag	Hornsgatan 58, Stockholm, Sweden	
	INTERNATIONAL ELECTRONICS CORP (MULLARD EQUIPMENT)	**81 Spring St, New York 12, NY**	**WO6-0790**
	INTERNATIONAL ELECTRONICS LABS, GMBH	**Lottestr 52, Hamburg, Lokstedt, Germany**	**471011**
	INTERNATIONAL ELECTRONICS MFG CO	**Greenwood Acres, Annapolis, Md**	**CO3-2661**
Ohio	Jesse Lawson	600 E. Dayton Dr, Fairborn, Ohio	TR8-2551
SC	C L Rogers Rep	2106 Reynolds Ave, Charleston Heights	SH7-4011
	INTERNATIONAL EQUIPMENT CO	**1284 Soldiers Field St, Boston 35, Mass**	**ST2-7900**
	INTERNATIONAL INSTRUMENTS INC	**P. O. Box 2954, New Haven 15, Conn**	**FU7-2515**
Alaska	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Ariz	Kittleson Co	416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Cal	Kittleson Co	416 N. La Brea Ave, Los Angeles, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Colo	Scientific Instrument Co	1460 Pennsylvania St, Denver, Colo	AL5-2777
Conn	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Del	Charles R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
DC	Fred E Gignoux Jr	2515 Massachusetts Ave, N.W., Wash, DC	HU3-6618
Fla	William R Lehmann Co	108 Hillscrest Ave, Orlando, Fla	GA2-9848
Ga	MacGuire Instrument Co	3214 Highview Rd, Charlotte 9, NC	EM6-3454
Idaho	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ill	Marvin H Kirkeby	204 Sunnyridge Ave, Minnpls 22, Minn	FR7-3239
Ind	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Iowa	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Kan	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	MU6-7441
La	John B Guenther	4533 N. Central Exp, Dallas 5, Tex	LA8-6286
Me	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Md	Fred E Gignoux Jr	2515 Massachusetts Ave, N.W., Wash, DC	HU3-6618
Mass	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0306
Minn	Marvin H Kirkeby	204 Sunnyridge Ave, Minnpls 22, Minn	FR7-3239
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Mo	Maury E Bettis Co	8676 Kathlyn Dr, St. Louis, Mo	HA9-2099
Mont	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Neb	Marvin H Kirkeby	204 Sunnyridge Ave, Minnpls 22, Minn	FR7-3239
Nev	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
NH	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
NJ	Charles R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
NM	Kittleson Co	P.O. Box 803, Alamogordo, NM	HE7-2780
NY	S Wimpie Associates Inc	P.O. Box 127, Mamaroneck, NY	OW8-7100
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NC	Mac Guire Instrument Co	3214 Highview Rd, Charlotte 9, NC	EM6-3454
ND	Marvin H Kirkeby	204 Sunnyridge Ave, Minnpls 22, Minn	FR7-3239
Ohio	R G Sidnell & Co	1229 W. Lake Ave, Cleveland 7, Ohio	AC1-1313
Ohio	James P Hobstetter	131 N. Ludlow, Dayton, Ohio	BA2-2897
Okla	John B Guenther	4533 N. Central Exp, Dallas 5, Tex	LA8-6286
Ore	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Pa	Charles R Hile Co	Hillview Rd, Paoli, Pa	NI4-5500
Pa	R G Sidnell & Co	1229 W. Lake Ave, Cleveland 7, Ohio	AC1-1313
SC	Mac Guire Instrument Co	3214 Highview Rd, Charlotte 9, NC	EM6-3454
SD	Marvin H Kirkeby	204 Sunnyridge Ave, Minnpls 22, Minn	FR7-3239
Tex	John B Guenther	4533 N. Central Exp, Dallas 5, Tex	LA8-6286
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver, Colo	AL5-2777
Vt	Richter Associates	645 E. Washington St, Hanson, Mass	TA6-2821
Va	Fred E Gignoux Jr	2515 Massachusetts Ave, N.W., Wash, DC	HU3-6618
Wash	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Wyo	Scientific Instrument Co	1460 Pennsylvania St, Denver, Colo	AL5-2777
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Canada	CE4-4686
Foreign	Terminal Radio International	135 Liberty St, New York 6, NY	WO4-3311
	INTERNATIONAL NICKEL CO., INC	**67 Wall St, New York 5, NY**	**WH4-1000**
Cal	International Nickel Co., Inc	714 W. Olympic Blvd, Los Angeles 15	RI9-2496
Conn	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0383

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	International Nickel Co., Inc	333 N. Michigan Ave, Chicago 1, Ill	FR2-4030
Me	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0383
Mass	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0383
Mich	International Nickel Co., Inc	19842 James Couzens Hwy, Detroit 35,	BR3-6780
NH	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0308
Ohio	International Nickel Co., Inc	1715 Carew Tower, Cincinnati 2, Ohio	PA1-1631
Pa	International Nickel Co., Inc	1150 York Rd, Abington, Pa	WA4-6692
Pa	International Nickel Co., Inc	Two Gateway Center, Pittsburgh 22, Pa	AT1-9546
RI	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0383
Tex	International Nickel Co., Inc	1817 Tennessee Bldg, Houston 2, Tex	CA4-1433
Vt	International Nickel Co., Inc	75 Pearl St, Hartford 3, Conn	JA7-0383
	INTERNATIONAL PUMP & MACHINE WORKS	**81 Dorse Ave, Livingston, NJ**	**WY2-5900**
	INTERNATIONAL RADIANT CORP	**577 E. 156th St, New York 55, NY**	**CY2-6000**
Ariz	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
Ariz	Robt R Clarke Co	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
Cal	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
Colo	Richard Hollander	Box 8179, Plaza Sta, Kansas City 12, Mo	JE1-4182
Conn	Equipment Sales Co., Inc	P.O. Box 6098, New Haven 17, Conn	CH8-5581
Fla	Arthur H Lynch & Associates Inc	406 Danley Dr, Fort Myers, Fla	WE6-2181
Idaho	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
Kan	Richard Hollander	Box 8179, Plaza Sta, Kansas City 12, Mo	JE1-1855
Ky	Lowry Dietrich Co	333 W. First St, Dayton 2, Ohio	BA3-6042
La	Robt R Clarke Co	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
Me	Equipment Sales Co., Inc	5 Elm St, Danvers, Mass	SP4-2400
Mass	Equipment Sales Co., Inc	5 Elm St, Danvers, Mass	SP4-2400
Mich	The Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Mo	Richard Hollander	Box 8179, Plaza Sta, Kansas City 12, Mo	JE1-4182
Neb	Richard Hollander	Box 8179, Plaza Sta, Kansas City 12, Mo	JE1-4182
Nev	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
NH	Equipment Sales Co., Inc	5 Elm St, Danvers, Mass	SP4-2400
NM	Robt R Clarke Co	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland 13, Ohio	SU1-1855
Ohio	Lowry Dietrich Co	333 W. First St, Dayton 2, Ohio	BA3-6042
Okla	Robt R Clarke Co	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
Ore	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
RI	Equipment Sales Co., Inc	P.O. Box 6098, New Haven 17, Conn	CH8-5581
Tex	Robt R Clarke Co	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
Utah	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
Vt	Equipment Sales Co., Inc	P.O. Box 6098, New Haven 17, Conn	CH8-5581
Wash	Robert N Williams	150 Baylor Dr, Ventura, Cal	MI2-4570
W. Va	Lowry Dietrich Co	333 W. First St, Dayton 2, Ohio	BA3-6042
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
	INTERNATIONAL RECTIFIER CORP	**233 Kansas St, El Segundo, Cal**	**OR8-6281**
Ala	Atcheson & Adams	Nashville, Tenn	DO6-2429
Alaska	Fred H Haight Co	Seattle 2, Wash	EA2-1818
Ariz	E J Foley & Associates	Scottsdale, Ariz	WH5-4290
Ark	Texport Co	Dallas 7, Tex	RI7-6886
Cal	Eichorn & Melchior Inc	San Carlos, Cal	LY1-7383
Colo	Allen H Williams Co	Denver 22, Colo	MA3-0343
Conn	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
Del	International Rectifier Corp	Ardmore, Pa	GR3-0212
DC	International Rectifier Corp	Ardmore, Pa	GR3-0212
Fla	Atcheson & Adams	Fern Park, Fla	FL27-2529
Ga	Atcheson & Adams	Atlanta, Ga	
Idaho	Fred H Haight Co	Seattle 2, Wash	EA2-1818
Ill	International Rectifier Corp	Chicago 6, Ill	FR2-3889
Ill	Maury E Bettis Co	Kansas City 11, Mo	LO1-0772
Ind	R O Whitesell & Associates	Indianapolis 1, Ind	FL9-5374
Iowa	International Rectifier Corp	Chicago 6, Ill	FR2-3889
Kan	Maury E Bettis Co	Kansas City 11, Mo	LO1-0772
Ky	R O Whitesell & Associates	Indianapolis 1, Ind	FL9-5374
La	Texport Co	New Orleans, La	
Me	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
Md	International Rectifier Corp	Ardmore, Pa	GR3-0212
Mass	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
Mich	International Rectifier Corp	Berkley, Mich	LI8-1144
Minn	H M Richardson & Co	Minneapolis, Minn	FE6-4078
Miss	Atcheson & Adams	Nashville, Tenn	DO6-2429
Mo	Maury E Bettis Co	Kansas City 11, Mo	LO1-0772
Mont	Fred H Haight Co	Seattle 2, Wash	EA2-1818
Neb	Allen H Williams Co	Denver 22, Colo	MA3-0343
Nev	Eichorn & Melchior Inc	San Carlos, Cal	LY1-7383
NH	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
NJ	International Rectifier Corp	Fort Lee, NJ	WI7-3311
NY	International Rectifier Corp	Ardmore, Pa	GR3-0212
NM	Allen H Williams Co	Albuquerque, NM	5-9632
NY	International Rectifier Corp	Fort Lee, NJ	WI7-3311
NY	International Rectifier Corp	Syracuse, NY	HO3-1441
NC	Atcheson & Adams	Greensboro, NC	BR2-6838
ND	H M Richardson & Co	Minneapolis, Minn	FE6-4078
Ohio	Neal Bear Corp	W. Richfield, Ohio	OL9-3331
Okla	Texport Co	Dallas 7, Tex	RI7-6886
Ore	Fred H Haight Co	Seattle 2, Wash	EA2-1818
Pa	International Rectifier Corp	Ardmore, Pa	GR3-0212
Pa	Neal Bear Corp	W. Richfield, Ohio	OL9-3331
RI	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
SC	Atcheson & Adams	Greensboro, NC	BR2-6838
SD	H M Richardson & Co	Minneapolis, Minn	FE6-4078
Tenn	Atcheson & Adams	Nashville, Tenn	DO6-2429
Tex	Texport Co	Dallas 7, Tex	RI7-6886
Utah	Allen H Williams Co	Salt Lake City, Utah	EM4-6844
Vt	International Rectifier Corp	Cambridge 38, Mass	UN4-6520
Va	International Rectifier Corp	Ardmore, Pa	GR3-0212
Wash	Fred H Haight Co	Seattle 2, Wash	EA2-1818
W. Va	Neal Bear Corp	Dayton, Ohio	AX9-3566
Wisc	International Rectifier Corp	Chicago 6, Ill	FR2-3889
Wyo	Allen H Williams Co	Denver 22, Colo	MA3-0343
Canada	Douglas Rancall Canada Ltd	126 Manville Rd, Toronto, Ont, Canada	OX8-3081

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	INTERNATIONAL REGISTER CO	**2620 Washington Blvd, Chicago 12, Ill**	**VA6-4242**
	INTERNATIONAL RESEARCH ASSOC	**2221 Warwick Ave, Santa Monica, Cal**	
	INTERNATIONAL RESEARCH & DEVELOPMENT CORP	**6150 Huntley Rd, Worthington, Ohio**	**TU5-5376**
Ariz	Richard G Yard	P.O. Box 1586, Scottsdale, Ariz	WH6-2193
Cal	Robert F Prock	6952 Cozycroft Ave, Canoga Park, Cal	DI7-9370
DC	Harrison Engineering Services	305-306 Mills Bldg, Washington, DC	DI7-3309
Ga	John D Toll	Marietta St Building, Atlanta 3, Ga	JA3-5995
Hawaii	James H Yamane Sr	4256 Pahoa Ave, Honolulu 16, Hawaii	
Ill	Frank K Sweetman	9546 S. Bell Ave, Chicago 43, Ill	CE6-5005
Ind	Bernard L Michaelson Co	321 N. Monroe St, Xenia, Ohio	DR2-5496
Mass	John C Sheppard	31 School St, Melrose 76, Mass	NO5-9307
Mich	Electro-Mation Associates	4012 Nine Mile Rd, Warren, Mich	JE9-1420
NJ	Richard H Jolly	2165 Morris Ave, Union, NJ	MU6-1433
NY	Richard H Jolly	2165 Morris Ave, Union, NJ	MU6-1433
Pa	Voss Machinery Co	515 S. Main St, Pittsburgh 20, Pa	WA2-1900
Utah	Sales Engineering Co., Inc	203 W. Grass Ave, Salt Lake City, Utah	HU5-3721
Wash	Western Dynamics Co	444 Dexter Horton Bldg, Seattle, Wash	MA2-4630
Foreign	Technolloyd Export Co	150 Nassau St, New York 38, NY	DI9-2470
	INTERNATIONAL RESISTANCE CO	**401 N. Broad St, Philadelphia, Pa**	**WA2-8900**
Ariz	Carl Hower	369 N. Craftsman's Ct, Scottsdale, Ariz	WI5-2471
Cal	G B Ellis Sales Co	2316 El Camino Real, Mt. View, Cal	YO7-5531
Cal	I R C	1136 N. LaBrea Blvd, Hollywood, Cal	HO6-2191
Colo	Electronic Component Sales Inc	2149 S. Clermont 5, Denver 22, Colo	PE3-7122
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	MU8-5878
Ill	I R C	5243 W. Diversey Ave, Chicago 39, Ill	TU9-5800
Ind	Macnabb Schroeder Loomis	820 E. 64th St, Indianapolis, Ind	CL5-6770
Kan	Halpin Sales Co	5920 Nall, Mission, Kan	RA2-2441
Mass	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1008
Mich	Koehler-Pasmore Co	11833 Hamilton, Detroit 3, Mich	TO6-3322
Minn	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
NY	I R C	165 Broadway, New York 6, NY	CO7-5020
NY	I R C	314 State Tower Bldg, Syracuse 2, NY	HA2-0274
Ohio	Baehr Greenleaf & Assoc	14700 Detroit Ave, Cleveland, Ohio	AC1-9030
Pa	Jack Covert Associates	320 Jonquil Pl, Pittsburgh, Pa	LE1-4471
Tex	Jack McKinney Sales Co	1303 Chemical St, Dallas, Tex	RI1-1368
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
	INTERNATIONAL SYSTCOMS LTD	**8235 Mts Sights, Montreal 9, Que, Canada**	**RE1-1103**
	INTL TEL & TEL CORP COMPONENTS DIV ELECTRON TUBE DEPT	**P. O. Box 412, Clifton, NJ**	**HO7-3600**
Ark	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Cal	K O Pritzlaff	225 Santa Monica Blvd, Santa Monica	EX3-7795
Fla	Lynch-Gentry Associates	406 Danley Dr, Ft. Myers, Fla	WE6-2181
Ill	J J Kircher & R F Marquart	4600 S. Tripp Ave, Chicago, Ill	CL4-7733
La	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Mass	J E Wood	5 Frances Ave, Natick, Mass	TW3-5579
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Can	PL7-3253
	INTL TEL & TEL CORP COMPONENTS DIV SEMICONDUCTOR DEPT	**Box 412, Clifton, NJ**	**HO7-3600**
Cal	J W Marsh Co	1465 Bayshore, San Francisco, Cal	JU7-4270
Cal	ITT Comp Division	77 Angelo Walk, Long Beach, Cal	EX3-7795
Cal	J W Marsh Co	4216 W. Jefferson Blvd, Los Angeles 16	RE2-0145
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Page Park, Ft. Myers, Fla	WE6-2181
Ill	The John Twist Co	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Ill	ITT Comp Division	4600 S. Tripp Ave, Chicago, Ill	CL4-7733
Ind	MacNabb Schroeder & Loomis	820 E 64th St, Indianapolis 20, Ind	CL5-6770
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Mich	Koehler-Pasmore Co	11833 Hamilton, Detroit 3, Mich	TO6-3322
Minn	Robert W Marshall	6106 Excelsior Blvd, Minneapolis 16	WE9-0547
Mo	R W Farris Co., Inc	400 W. 34th St, Kansas City 11, Mo	PL3-5350
NY	R W Witscher Co., Inc	487 Ellicott Sq Bldg, Buffalo 3, NY	WA2517
NY	Joseph Sprung Associates	254 W. 31st St, New York 1, NY	LO5-1820
Ore	Samuel N Stroum Co., Inc	6224 E. Burnside, Portland, Ore	CA7-6557
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Wash	Samuel N Stroum Co., Inc	1612 Broadway, Seattle 22, Wash	EA3-6117
Wash	Samuel N Stroum Co, Inc	N. 5424 Elgin, Spokane, Wash	FA7-1101
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Can	PL7-3253
	INTL TEL & TEL CORP IND PROD DIV	**15191 Bledsoe St, San Fernando, Cal**	**EM7-6161**
Ariz	Western Engineering	Phoenix, Ariz	
Cal	Wright Engineering	Pasadena, Cal	
Cal	Aerol Associates	Beverly Hills, Cal	
Cal	Airtronics	San Francisco, Cal	
Cal	Wright Engineering	San Mateo, Cal	
Colo	Hyde Electronics	Denver, Colo	
Colo	Aerol Associates	Denver, Colo	
DC	F R Jodon Inc	Washington, DC	
DC	A & M Associates	Washington, DC	
Fla	E G Holmes	Orlando, Fla	
Ga	E G Holmes & Associates	Atlanta, Ga	
Hawaii	TV Electronic Service Corp	Honolulu, Hawaii	
Kan	Aerol Associates	Wichita, Kan	
Mass	Howard T Schuft	Newtonville, Mass	
Mich	Electromation	Warren, Mich	
Minn	Northport Engineering	St. Paul, Minn	
Mo	Aerol Associates	St. Louis, Mo	
NJ	Louis Garton & Associates	West Orange, NJ	
NY	NACO Electronics	North Syracuse, NY	
NY	C D B Enterprises	Hicksville, NY	
Pa	Louis A Garton	Jenkintown, Pa	
Tex	Associated Air Services	Dallas, Tex	
Tex	Industrial Associated Electronics	Ft. Worth, Tex	
Tex	Industrial Associated Electronics	El Paso, Tex	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Utah	Hyde Electronics	Salt Lake City, Utah	
Wash	Fred Haight	Seattle, Wash	
Wash	Aerol Associates	Seattle, Wash	
	INTERNATIONAL WAX REFINING CO	**99 E.Hawthorne Ave, Valley Stream, NY**	**LO1-2500**
	INTERSTATE ELECTRONICS CORP	**707 E. Vermont Ave, Anaheim, Cal**	**PR2-2222**
Ala	Scientific Sales Engineering Co	3541 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	Arizona Instrument Corp	2342 E. Broadway, Phoenix, Ariz	WH5-1840
Cal	Eichorn & Melchoir	749 Bryant St, San Francisco 7, Cal	DO2-1038
Cal	W W Ryder	3130 Kingsley St, San Diego 6, Cal	AC3-8594
Colo	Lewis T Macintosh	4540 S. Galapago St, Englewood, Colo	SU9-2171
DC	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Don Smith Sales Co	2320 N. 45 St, Seattle, Wash	ME3-3160
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Md	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Mich	Serv Equip Electronics Co	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Minn	Wood Clemons	1645 Hennepin Ave, Minneapolis, Minn	FE9-7070
Nev	W W Ryder	3130 Kingsley St, San Diego 6, Cal	AC3-8594
NJ	Fred F Sylvester Associates	649 Morris Ave, Springfield, NJ	DR6-3324
NM	Arizona Instrument Corp	2342 E. Broadway, Phoenix, Ariz	WH5-1840
NY	Murray Socolof	811 Bradford Dr, Rome, NY	RO7413
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
ND	Wood Clemons	1645 Hennepin Ave, Minneapolis, Minn	FE9-7070
Ohio	Service Equipment Electronics Co	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Ore	Don Smith Sales Co	2320 N. 45 St, Seattle, Wash	ME3-3160
Pa	Fred F Sylvester Associates	649 Morris Ave, Springfield, NJ	DR6-3324
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
SD	Wood Clemons	1645 Hennepin Ave, Minneapolis, Minn	FE9-7070
Tenn	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Va	C F Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Wisc	Wood Clemons	1645 Hennepin Ave, Minneapolis, Minn	FE9-7070
Wyo	Lewis T Macintosh	4540 S. Galapago St, Englewood, Colo	SU9-2171
	INTIMEX CORP	**Beaufort & Fenton Sts, Silver Springs, Md**	**JU9-5494**
Cal	M A Stolaroff Co., Inc	4622 W. Slauson Ave, Los Angeles 43	AX3-6226
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford 7, Conn	AD6-3265
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Mass	Godwin R F Gay	371 Howard St, Northboro, Mass	EX3-8150
Mich	Tant Enterprises Inc	16257 Meyers Rd, Detroit 35, Mich	UN3-2665
Minn	Murphy Associates	1700 Hennepin Ave, Minneapolis, Minn	FE9-4851
NY	Alan E Decew Agency	P.O. Box 73, Sodus, NY	SO3261
NC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Ohio	Technical Associates Inc	5643 Mapleridge Ave, Cincinnati 27, Ohio	BE5-9668
Pa	L G White & Co Inc	108 Forest Ave, Narberth, Pa	MO4-6505
	INVAR ELECTRONICS CORP	**323 W. Washington, Pasadena, Cal**	**SY8-6557**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	C R Lynch & Son	3307 Glendale Blvd, Los Angeles, Cal	NO3-8236
Cal	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
Conn	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Del	Polymetric Devices Co	P.O. Box 236, Glenside, Pa	TU7-4873
Fla	Scientific Sales Engineering Co	918 Snell Isle Blvd, St. Petersburg, Fla	5-7874
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, Atlanta 9, Ga	TR3-2475
Idaho	Remco	321 E. 45th St, Seattle 5, Wash	ME3-5858
Iowa	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee, Wisc	LI5-4686
Me	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Md	Polymetric Devices Co	P.O. Box 236, Glenside, Pa	TU7-4873
Mass	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Minn	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee, Wisc	LI5-4686
Miss	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
NH	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
NJ	Engineering Applications Co	Box 357, Pine Brook, NJ	CA8-0518
NY	Engineering Applications Co	Box 357, Pine Brook, NJ	CA8-0518
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Thomas Electronic Co	Box 181, N. Dayton Sta, Dayton, Ohio	BE3-3551
Ore	Remco	321 E. 45th St, Seattle, Wash	ME3-5858
Pa	Polymetric Devices Co	P.O. Box 236, Glenside, Pa	TU7-4873
RI	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Vt	Measurement Equipment Co., Inc	P.O. Box 267, Wakefield, Mass	CR6-5770
Va	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Wash	Remco	321 E. 45th St, Seattle 5, Wash	ME3-5858
Wisc	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee, Wisc	LI5-4686
	INVESTMENT CASTING CO	**60 Brown Ave, Springfield, NJ**	**DR6-6260**
Ala	Watson-Smith Co	1018 Blvd N.E., Atlanta 6, Ga	TR5-1411
Conn	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166
Del	M M Crown	6711 N. 15th St, Philadelphia 26, Pa	LI8-1122
DC	M M Crown	6711 N. 15th St, Philadelphia 26, Pa	LI8-1122
Ga	Watson-Smith Co	1018 Blvd N.E., Atlanta 6, Ga	TR5-1411
Kan	Duplex Metals Inc	7500 Natural Bridge Rd, St Louis, Mo	EV3-3040
Me	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166
Md	M M Crown	6711 N. 15th St, Philadelphia 26, Pa	LI8-1122
Mass	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166
Mich	Gitre Co., Inc	12909 W. 9 Mile Rd, Detroit, Mich	DI1-9270
Mo	Duplex Metals	7500 Natural Bridge Rd, St Louis, Mo	EV3-3040
Neb	Duplex Metals	7500 Natural Bridge Rd, St Louis, Mo	EV3-3040
NH	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166
NY	Gibney-Decot Corp	2107 Kensington Ave, Buffalo, NY	CI0800
NC	Watson-Smith	1018 Blvd N.E., Atlanta 6, Ga	TR5-1411
Ohio	Frank A Gold	P.O. Box 765, Cleveland 22, Ohio	LO1-6835
Okla	C R Anderson	5531 Dyer St, Dallas 6, Tex	EM8-8811
Pa	M M Crown	611 N. 15th St, Philadelphia 26, Pa	LI8-1122
Pa	John W Kight	4 Longfellow Rd, Pittsburgh 15, Pa	ST1-8304
RI	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
SC	Watson-Smith	1018 Blvd N.E., Atlanta 6, Ga	TR5-1411
Tenn	Watson-Smith	1018 Blvd N.E., Atlanta 6, Ga	TR5-1411
Tex	C R Anderson	5531 Dyer St, Dallas 6, Tex	EM8-8811
Vt	Sheldon Toder	114 Reservoir Rd, Newington, Conn	CH7-1166
	IPPOLITO & CO., INC., JAMES	**1624 Stillwell Ave, Bronx 64, NY**	**TY2-3700**
	IRON FIREMAN MFG CO ELECTRONICS DIV	**2800 S.E.Ninth Ave, Portland 2, Ore**	**BE4-6551**
Cal	C W Mauldin Co	441 W. California Ave, Palo Alto, Cal	DA6-5291
Cal	A F Sales Engineering	385 E. Green St, Pasadena, Cal	MU1-5631
Colo	Rowley Bouvette Inc	1370 S. Eaton St, Denver, Colo	WA2-2624
Conn	Geist-Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
DC	William I Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Fla	William F Hemminger Co	624 N.E. 79th St, Miami, Fla	PL9-0300
Ill	Thomas B Hunter	4441 W. Irving Park Rd, Chicago, Ill	SP7-2500
Ind	Forrest C Valentine Inc	511-512 Ft. Wayne Bank Bldg, Ft. Wayne	AN-9122
Kan	W E Fry & Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Me	Geist-holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Md	William Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Mass	Geist-Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul, Minn	MI6-2621
Miss	W E Fry & Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City, Mo	JE1-5236
NH	Geist-Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NJ	Jules J Bressler Co	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Jules J Bressler Co	4808 Bergenline Ave, Union City, NJ	UN4-9577
Ohio	Forrest C Valentine Inc	Ft. Wayne Bank Bldg, Ft. Wayne, Ind	AN-9122
Pa	William Duncan & Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
RI	Geist-Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Tex	Harry D Edmiston	2717 Swiss Ave, Dallas 4, Tex	TA7-2853
Utah	Rowley-Bouvette Inc	955 Folsom, Salt Lake City, Utah	
Vt	Geist-Holtz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Wash	Seatronics Inc	1906 Bush Pl, Seattle, Wash	CA8545
Foreign	Bureau de Liaison	113 Rue dè L'Universite, Paris, France	
	ISOCHEM RESINS CO	**221 Oak St, Providence 9, RI**	**JA1-5768**
Cal	R E James Co	Box 321, S. Pasadena, Cal	
	ISOCYANATE PRODUCTS INC	**P. O. Box 1681, Wilmington, Del**	**EA8-5661**
Cal	Shelley Co	4528 Brazil St, Los Angeles 39, Cal	CH5-8541
Ill	Midwest Technical Sales	Box 61, Downers Grove, Ill	WO8-4343
Mich	J J Huebner Co	Box 3703, Kercheval Sta, Detroit 15, Mich	TU1-7906
	ISOLANTITE MFG CORP	**Stirling, NJ**	
	ISOMET CORP	**433 Commercial Ave, Palisades Park, NJ**	**WI4-4100**
	ISOTOPE DEVELOPMENTS LTD	**Beenham Grange, Reading, Berks, England**	**WO2121**
	ITEK CORP	**Waltham 54, Mass**	**YO2-7230**
Cal	Itek Corp	2626 Hanover St, Palo Alto, Cal	DA1-1089
Cal	Vidga Inc	2626 Hanover St, Palo Alto, Cal	DA1-2455
DC	Itek Corp	1612 K St, N.W., Washington, DC	[illegible]
Mass	Information Technology Center	1605 Trapelo Rd, Waltham 54, Mass	TW3-8700
NY	Photostat Corp	1001 Jefferson Rd, Rochester, NY	HI5-0100
	ITEMCO INC	**18 Beechwood Ave, Port Washington, NY**	**PO7-8330**
Ala	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach Fla	CO3328
Ariz	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE63436
Ca.	Long & Associates	Brewster-Warren Sts, Redwood City, Cal	EM9-3324
Cal	W K Geist Co	3177 Glendale Blvd, L A 39, Cal	NO5-3219
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3436
Conn	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
Del	William Woodrow Cooper	3325 Princeton Ave, Philadelphia 49, Pa	DA4-1037
DC	William Woodrow Cooper	3325 Princeton Ave, Philadelphia 49, Pa	DA4-1037
Fla	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3328
Ga	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3328
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3436
La	Electronic & Instrumentation Sales Co	P.O. Box 123, Grand Prairie, Tex	AN2-2608
Me	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
Md	William Woodrow Cooper	3325 Princeton Ave, Philadelphia 49, Pa	DA4-1037
Mass	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
Mich	The Tiby Co	2241 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5333
Miss	Electronic & Instrumentation Sales Co	P.O. Box 123, Grand Prairie, Tex	AN2-2608
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3436
Neb	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3436
Nev	Long & Associates	Brewster-Warren Sts, Redwood City, Cal	EM9-3324
NH	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
NJ	C Burwell Inc	654 Allwood Rd, Clifton, NJ	PR7-6610
NM	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3436
NY	McFarland & Conchar	179 Valley Rd, Ces Cob, Conn	TO9-0572
NC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3328
Ohio	The Tiby Co	2241 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5333
Okla	Electronic & Instrumentation Sales Co	Box 123, Grand Prairie, Tex	AN2-2608
Ore	Long & Associates	Brewster-Warren Sts, Redwood City, Cal	EM9-3324
Pa	William Woodrow Cooper	3325 Princeton Ave, Philadelphia 49, Pa	DA4-1037
Pa	The Tiby Co.	2242 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5333
RI	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
SC	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Tenn	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Tex	Electronic & Instrumentation Sales Co	P.O. Box 123, Grand Prairie, Tex	AN2-2608
Utah	Hyde Electronics Co.	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Kenett Corp	320 Washington Ave, Brookline, Mass	LO6-0378
Wash	Long & Associates	Brewster-Warren Sts, Redwood City, Cal	EM9-3324
Wyo	Hyde Electronics Co.	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	E E Whittaker	2137 Niagara Dr, Ottawa, Ontario, Can	CE4-4636
	J-B ELECTRONICS INC	**2340 E. Elvira Rd, Tucson, Ariz**	**MA3-4388**
	J-B-T INSTRUMENTS INC	**133 Hamilton St, New Haven 8, Conn**	**ST7-5825**
	J F D ELECTRONICS CORP	**6101 16th Ave, Brooklyn 4, NY**	**DE1-1000**
Ala	Threlkeld-Duckett Sales Co	P.O.Box 733, Birmingham, Ala	TR1-6642
Alaska	J F D Western Div	7311 Van Nuys Blvd, Van Nuys, Cal	ST1-3530
Ariz	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Ark	Texport Co	2147 Farrington Blvd, Dallas 6, Tex	RI7-6886
Cal	J F D Western Div	7311 Van Nuys Blvd, Van Nuys, Cal	ST1-3530
Cal	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Cal	Nickerson-Gray & Associates	P.O.Box 295, Sta A, Palo Alto, Ca	DA6-0152
Colo	Longstreet-Smith Associates	1013 Fifteenth St, Denver, Colo	KE4-5091
Conn	Abbett & Hustis	P.O.Box 52, Ridgefield, Conn	ID8-3200
De	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
DC	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Fla	Smith-Duckett Sales Co	P.O.Box 1646, Stuart, Fla	AT7-1252
Ga	Grady Duckett Sales Co	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Ill	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4175
Ind	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4175
Ind	James W Murray	P.O.Box 28, Cincinnati 11, Ohio	HU1-9726
Iowa	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 31, Ill	SP4-4175
Kan	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Ky	James W Murray	P.O.Box 28, Cincinnati 11, Ohio	HU1-9726
La	Texport Co	2147 Farrington Blvd, Dallas 6, Tex	RI7-6886
Me	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Md	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Mass	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Mich	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	TW1-6900
Minn	H M Richardson Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Miss	Threlkeld-Duckett Sales Co	P.O.Box 733, Birmingham, Ala	TR1-6642
Mo	W E Fry Co	4375 Lindell Blvd, St. Louis, Mo	EV3500
Neb	W E Fry Co	4378 Lindell Blvd, St. Louis, Mo	EV3500
Nev	Nickerson-Gray & Associates	P.O.Box 295, Sta A, Palo Alto, Cal	DA6-0152
NH	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
NJ	Barrett Border & Co	121 Oak St, Tenafly, NJ	LO8-2354
NJ	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
NM	Longreet-Smith Associates	2708 Carol Ave, N.E., Albuquerque, NM	AX9-8013
NY	Barrett Border & Co	121 Oak St, Tenafly, NJ	LO8-2354
NY	Components for Industry	103 Greenhauen Terr, Tonawanda, NY	JA7900
NC	Fanning-Duckett Sales Co	P.O.Box 11402, Charlotte 9, NC	JA3-6937
NC	H M Richardson Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Ohio	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	TW1-6900
Ohio	James W Murray	P.O.Box 28, Cincinnati 11, Ohio	HU1-9726
Okla	Texport Co	2147 Farrington Blvd, Dallas 6, Tex	RI7-6886
Ore	J F D Western Div	7311 Van Nuys Blvd, Van Nuys, Cal	ST1-3530
Pa	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Pa	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	TW1-6900
RI	Abbett & Hustis	P.O.Box 52, Ridgefield, Conn	ID8-3200
SC	Fanning-Duckett Sales Co	P.O.Box 11402, Charlotte 9, NC	JA3-6937
SD	H M Richardson Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Tenn	Fanning-Duckett Sales Co	P.O.Box 11402, Charlotte 9, NC	JA3-6937
Tex	Texport Co	2147 Farrington Blvd, Dallas 6, Tex	RI7-6886
Utah	Longstreet-Smith Associates	1013-15 St, Denver, Colo	KE4-5091
Vt	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Va	Wm Duncan Associates	5452 Charles St, Philadelphia, Pa	CU9-7525
Wash	J F D Western Div	7311 Van Nuys Blvd, Van Nuys, Cal	ST1-3530
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
Wisc	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill	SP4-4175
Wisc	H M Richardson Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Foreign	J F D International	15 Moore St, New York, NY	BO9-6272
Canada	J F D Canada Ltd	51 McCormack St, Toronto, Ont, Can	RO9-1129
	J & G MACHINE CO., INC.	**42 Lagrange St, Worcester, Mass**	**PL3-5685**
	JACK & HEINTZ INC	**Cleveland 1, Ohio**	
	JACKES-EVANS MFG CO	**4427 Geraldine Ave, St. Louis 15, Mo**	
	JACKSON BROS (LONDON) LTD	**258 Broadway, New York 7, NY**	**WO2-5485**
	JACKSON ELECTRICAL INSTRU CO	**124 McDonough St, Dayton 2, Ohio**	**BA4-0367**
Ariz	Harry A Moore Sales Co	P.O. Box 7245, Phoenix, Ariz	CR4-0960
Cal	F W Mouthrop Co	575 Tenth St, San Francisco, Cal	MA1-0722
Cal	W J Barron Co	P.O. Box 653, Encino	RI8-6191
Colo	McLeod & Raymond Co	5409 E. Evans, Denver, Colo	SK6-1589
Ga	V Avis McCorvey Co	215 Church St, Decatur, Ga	DR7-6167
Ill	Jack West	5747 N. Octavia Ave, Chicago, Ill	RO3-3500
Ind	Southern Sales Co	Box 105, Angola, Ind	777
Md	The Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	W B Pray Sales Co	44 Washington St, Wellesley, Mass	CE5-3199
Mich	Jack Pattsburg Co	3539 Townsend Ave, Detroit, Mich	WA1-3932
Minn	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FE7-3239
Mo	Paul G Scholz Co	P.O. Box 9621, Hickman Mills, Mo	SC1-6757
NJ	H A Steinberg Co	880 Bergen Ave, Jersey City, NJ	SW5-2255
NY	Electro-Rep Sales Co	187 Culver Rd, Rochester, NY	GR3-7398
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh 6, Pa	HI1-0800
Pa	Martin Weinberg	1122 E. Luzerne St, Philadelphia, Pa	LI9-1122
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Wash	Marsh Agencies	2601 First Ave, Seattle, Wash	MA8761
Foreign	C O Brandes Inc	4300 Euclid Ave, Cleveland 3, Ohio	HE1-0414
Canada	Canadian Marconi Co	830 Bayview Ave, Toronto 17, Ont, Can	HU1-5221
	JACOBSON NUT MFG CORP	**Mark Rd, Kenilworth 2, NJ**	**MU6-0200**
Ala	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
Ariz	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Ark	C R Eaves Co	P.O.Box 1303, Dallas, Tex	
Cal	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Cal	Hobelmann & Co	225 Kansas St, San Francisco 3, Cal	UN3-4046
Colo	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Conn	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
Del	Charles H Gardner Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4384
DC	Charles H Gardner Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4384
Fla	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
Ga	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
Idaho	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Ill	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Ill	F O Wood Sales Co	3508 W. 89th St, Kansas City 15, Mo	MI9-1084
Ind	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Iowa	Robert Burchett	2504 Harrison St, Davinport, Iowa	
Kan	F O Wood Sales Co	3508 W. 89th St, Kansas City 15, Mo	MI9-1084
Ky	John Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
La	C R Eaves Co	P.O.Box 1303, Dallas, Tex	
Me	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
Md	Charles H Gardner Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4384
Mass	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
Mich	Daniel J Clifford	623 Fisher Bldg, Detroit 2, Mich	TR5-3544
Minn	Ivanhoe Sales Co	217 N. Ivanhoe Ln, Minneapolis 27, Minn	LI5-7311
Miss	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
Mo	F O Wood Sales Co	3508 W. 89th St, Kansas City 15, Mo	MI9-1084
Mont	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Neb	F O Wood Sales Co	3508 W. 89th St, Kansas City 15, Mo	MI9-1084
Nev	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
NH	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
NJ	Davis McCormick Co	132 Nassau St, New York 38, NY	RE2-5470
NJ	Charles H Gardner Co	3701 N. Broad St, Philadelphia 49, Pa	BA5-4384
NM	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
NY	Davis-McCormick Co	132 Nassau St, New York 38, NY	RE2-6470
NY	Hansen Sales Co	1650 E. Main St, Rochester 9, NY	HU3644
NC	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
ND	Ivanhoe Sales Co	217 N. Ivanhoe Ln, Minneapolis 27, Minn	LI5-7311
Ohio	John Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Okla	C R Eaves Co	P.O.Box 1303, Dallas, Tex	
Ore	A J Hanson Co	4803 Ninth, N.W., Seattle 7, Wash	SU4-8030
Pa	Charles H Gardner Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4384
Pa	John Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
RI	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
SC	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
SD	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Tenn	William A Low Jr	1211 Sheridan Rd, N.E., Atlanta, Ga	ME6-5072
Tex	C R Eaves Co	P.O.Box 1303, Dallas, Tex	
Utah	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
Vt	Thomas J Hatzis & Sons	Park Square, Boston 16, Mass	HA6-7410
Va	Grainger's Sales Engineering	728 Stradone Rd, Bala-Cynwyd, Pa	MO4-2093
Wash	A J Hanson Co	4803 Ninth, N.W., Seattle 7, Wash	SU4-8030
W. Va	Grainger's Sales Engineering	728 Stradone Rd, Bala-Cynwyd, Pa	MO4-2093
Wisc	Clarence Binzel	808 N. Third St, Milwaukee 3, Wisc	BR2-7633
Wyo	John Grether	Box 1036, Perry Annex, Whittier, Cal	OW7-7812
	JAIDINGER MFG CO., INC	**1916 W. Hubbard St, Chicago 22, Ill**	**HA1-1090**
	JAMES ELECTRONICS INC	**4050 N. Rockwell St, Chicago 18, Ill**	**CO7-6333**
Ala	Stan Wallace & Assoc	P.O. Box 744, Lutz, Florida	WE9-3241
Ariz	Lee Grant Snyder Co	1418 Highland Ave, Los Angles, Cal	HO9-6278
Ark	Don Champion	P.O. Box 456, Hurst, Tex	
Cal	Bellilove Co	420 Market St, San Fransisco, Cal	YU2-3713
Cal	Lee Grant Snyder Co	1418 Highland Ave, Los Anglies, Cal	HO9-6278
Conn	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Del	L G White Co	212 Washington Ave, Townson,4, Md	VA3-8701
DC	L G White Co	880 Bonifant St, Silver Springs, Md	JU5-3141
Fla	Stan Wallace & Assoc	P.O. Box 744, Lutz, Fla	WE9-3241
Ga	Stan Wallace & Assoc	715 Flamingo Dr S.W., Atlanta, Ga	PL3-8463
Idaho	Dale Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Ind	Walter Bieberich & Sons	2817 Plaza Dr, Fort Wayne, Ind	KE2928
Iowa	Kelly-Winkler-Schmitz	7449 Broadway, Kansas City 14, Mo	EM1-5651
Kan	Kelly-Winkler-Schmitz	7449 Broadway, Kansas City 14, Mo	EM1-5651
Ky	Walter Bieberich & Sons	2817 Plaza Dr, Fort Wayne, Ind	KE2928
La	Don Champion	P.O. Box 456, Hurst, Tex	
Me	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Md	L G White Co	212 Washington Ave, Towson 4, Md	VA3-8701
Mass	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Mich	Shalco	23525 Woodward Ave, Ferndale, Mich	LI7-4771
Minn	Wm Engelbretson	906 Ottawa Ave, St Paul 5, Minn	CA2-2338
Miss	Stan Wallace Assoc	P.O. Box 744, Lutz, Fla	WE9-3241
Mo	Kelly-Winkler-Schmitz	3938 Lindell, St Louis, Md	FL1-0820
Neb	Kelly-Winkler-Schmitz	7449 Broadway, Kansas City, Mo	EM1-5651
NH	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
NJ	Jules Bressler Assoc	4808 Bergenline, Union City, NJ	UN4-9577
NM	Lee Grant Snyder Co	1418 Highland Ave, Los Angles, Cal	HO9-6278
NY	Bressler Assoc	4808 Bergenline, Union City, NJ	UN4-9577
NC	Stan Wallace Assoc.	5621 Murray Hill Rd, Charlotte, NC	
ND	Wm Engelbretson	906 Ottawa Ave, St Paul 5, Minn	CA2-2338
Ohio	Edwards-Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Okla	Don Champion	P.O. Box 456, Hurst, Tex	
Ore	Dale Weber	8 S.E. Clay St, Portland, Ore	BE4-7671
Pa	L G White Co	108 Forest Ave, Narbeth, Pa	MO4-6505
Pa	Edwards-Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
RI	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
SC	Stan Wallace Assoc	5621 Murray Hill Rd, Charlotte, NC	
SD	Wm Engelbretson	906 Ottawa Ave, St Paul 5, Minn	CA2-2338
Tenn	Stan Wallace Assoc	638 Rochelle Dr, Nashville, Tenn	
Tex	Don Champion	P.O. Box 456, Hurst, Tex	
Vt	Stan Pierce	583 Neponset St, Norwood, Mass	NO7-3164
Va	L G White Co	830 Bonifant St, Silver Springs, Md	JU5-3141
Wash	Dale Weber	637 W. 183rd St, Seattle, Wash	
W. Va	Edwards-Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Foreign	Comet Corp	540 Lake Shore Dr, Chicago, Ill	DE7-2229
	JAMES INTERNATIONAL	**853 6th Ave, New York City, NY**	
	JAMPRO ANTENNA CO	**7500-14th Ave, Sacramento, Cal**	**GA8-5194**
Ill	Gates Radio Co	123 Hampshire, Quincy, Ill	BA2-8202
NY	Telesco International Cord	36 W. 40th St, New York, NY	
	JAN HARDWARE MFG CO., INC	**38-01 Queens Blvd, Long Island City, NY**	**EM1-0800**
	JANCO CORP	**3111 Winona Ave, Burbank, Cal**	**TH8-5792**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Lynd A Walking	2436 Glenwood Ave, Atlanta 17, Ga	DR3-8346
Ariz	Carl Hower & Co	340 N. Marshall Ave, Scottsdale, Ariz	WH5-7813
Cal	Paul Hildebrand	6132 Tarragona Dr, San Diego, Cal	JU2-4677
Colo	Sanford Co	1727 E. Second St, Wichita 2, Kan	AM5-3553
Conn	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Del	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
DC	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Fla	Lynd A Walking	2436 Glenwood Ave, Atlanta 17, Ga	DR3-8346
Ga	Lynd A Walking	2436 Glenwood Ave, Atlanta 17, Ga	DR3-8346
Ill	Wilco Engineering Co	P.O. Box 5591, Upton Sta, Indpls 5, Ind	LI6-2452
Ind	Wilco Engineering Co	P.O. Box 5591, Upton Sta, Indpls 5, Ind	LI6-2452
Iowa	Sanford Co	1727 E. Second St, Wichita 2, Kan	AM5-3553
Kan	Sanford Co	1727 E. Second St, Wichita 2, Kan	AM5-3553
Me	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Md	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Mass	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Mo	Sanford Co	1727 E. Second St, Wichita 2, Kan	AM5-3553
NH	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
NJ	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
NY	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Ohio	Wilco Engineering Co	P.O. Box 5591, Upland Sta, Indpls 5, Ind	LI6-2452
Okla	Edward F. Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Ore	The Norwest Co	210 N. 36th St, Seattle 3, Wash	ME3-3232
Pa	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
RI	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Tex	Edward F. Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Utah	Sanford Co	P.O. Box 122, Salt Lake City 8, Utah	IN6-2817
Vt	Charles F Ward	33 Coventry Ave, Albertson, NY	P12-5561
Wash	The Norwest Co	210 N. 36th, Seattle 3, Wash	ME3-3232

	JANDOR INC	**428 Salem Ave, Dayton 6, Ohio**	**CR5-5441**
	JANSEN ELECTRONICS MFG INC	**2285 University Ave, St. Paul, Minn**	**MI6-7458**
	JARRELL-ASH CO	**26 Farwell St, Newtonville, Mass**	
	JAVEX ELECTRONICS	**P. O. Box 646, Redlands, Cal**	
Ala	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Ill	Morton L Friedman Co	2814 W. Balmoral Ave, Chicago 25, Ill	LO1-4257
Mass	L R Provencher & Assoc	525 Pleasant St, Worcester 2, Mass	PL3-8187
Mich	Great Lakes Reps	5770 Artesian Ave, Detroit 28, Mich	LU4-2918
Minn	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Miss	Lee Roy Massey	304 E. Jefferson, Greenwood, Miss	
NY	Yerter Sales Co	2352 E. 66th St, Brooklyn 34, NY	HI4-3880
Ohio	Thomas Shelby & Co	319 S. Franklin St, New Bremen, Ohio	2774
Pa	John J Nolan & Assoc	314 W. Sparks St, Philadelphia, Pa	WA4-1595
Utah	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
	JAYELL MFG CO	**1360 Garrison Ave, Bronx, NY**	**DA8-1094**
Ala	Wallace Associates	Box 67, Lutz, Fla	WE9-3241
Cal	Technical Sales Associates	1485 Bayshore Blvd, San Francisco, Cal	JU4-0093
Cal	H Feldman Co	Box 66367, Los Angeles, Cal	RI9-8803
Colo	A J Nelson Co	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Conn	A Gates Co	46 1/2 Summer St, Manchester, Conn	MI9-7761
Fla	Wallace Associates	Box 67, Lutz, Fla	WE9-3241
Ill	S J Wiley Co	2060 W. Birchwood Ave, Chicago, Ill	UP8-3313
Ind	Baatz Sales Co	3535 Horner Dr, Indianapolis, Ind	UN2-4717
Mich	R Milsk Co	19371 James Couzens Hwy, Detroit, Mich	
Minn	R Ripley Co	7222 James Ave, S., Minneapolis, Minn	UN6-8682
Mo	F C Somers Co	Davidson Bldg, Kansas City, Mo	GR1-1355
NY	Morris Hacker Co	217-18 48 Ave, Bayside, NY	BA4-5361
NY	L J McTaggart Co	3053 Main St, Buffalo, NY	AT0200
Pa	Graham Associates	610 Latham Dr, Wynnewood, Pa	MI9-3027
Pa	H Y Mathes Co	5510 Hobart St, Pittsburgh, Pa	HA1-8998
Tex	Packard Associates	Lovefield Air Term Bldg, Dallas, Tex	
	JEFFERS ELECTRONICS DIV SPEER CARBON CO	**Hoover Ave, DuBois, Pa**	**2100**
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-7343
Cal	J W Marsh Co	4216-20 W. Jefferson Blvd, L A 16, Cal	RE2-0145
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco 24	VA4-6714
Conn	Robert J Bahr Jr	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Fla	Jack A Benz	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ill	W A Hurtienne	5875 N. Lincoln Ave, Chicago 45, Ill	LO1-0156
Mass	Robert J Bahr	462 Granby Rd, Chicopee, Mass	LY2-3213
Mich	Henschen, Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR6-0308
NY	W M Hicks	4 Spruce Dr, Roslyn, NY	MA7-6150
NY	R W Jackson	4446 Main St, Buffalo 26, NY	CI2094
Ohio	John F Kilfoil	9415 Montgomery Rd, Cincinnati 42	SY1-6150
Pa	R H Hilderbrand	Fairview Village, Montgomery County, Pa	CH7-6225
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	JU6386
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
	JEFFERSON ELECTR PRODUCTS	**322 State St, Santa Barbara, Cal**	**WO5-8505**
	JEFFERSON INC., RAY	**40 E.Merrick Rd, Freeport, NY**	**FR8-4400**
	JEFFERSON WIRE & CABLE CORP	**Pleasant Valley Rd, Sutton, Mass**	**UN5-4477**
Ark	Southern Industrial Electronics Inc	Box 9814, Exchange Bk, Dallas, Tex	FL2-3901
Cal	Bernard L Cahn Co	420 Market St, San Francisco, Cal	SU1-7981
Ca	H & S Sales	1417 Georgia St, Los Angeles, Cal	RI7-5055
De	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
DC	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, N. Miami, Fla	PL1-5566
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
Kan	Southern Industrial Electronics Inc	Box 9814, Exchange Bk, Dallas, Tex	FL2-3901
Ky	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
La	Southern Industrial Electronics Inc	Box 9814, Exchange Bk, Dallas, Tex	FL2-3901
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Mich	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
Mo	Southern Industrial Electronics Inc	Box 9814, Exchange Bk, Dallas, Tex	FL2-3901
Nev	Bernard L Cahn Co	420 Market St, San Francisco, Cal	SU1-7981
NJ	Joseph L Heller & Associates	139-30-34th Rd, Flushing, NY	FL3-8900
NJ	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
NY	Joseph Lind Cupper Stutell	1600 East Ave, Rochester, NY	BR1-5858
NY	Joseph L Heller & Associates	139-30-34th Rd, Flushing, NY	FL3-8900
Okla	Southern Industrial Electronics Inc	Box 9814, Exchange Bk, Dallas, Tex	FL2-3901
Pa	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Tex	Southern Industrial Electronics Inc	Box 9814, Exchange Bank, Dallas, Tex	FL2-3901
	JELLIFF MFG CORP., C O	**Paquet Rd, Southport, Conn**	**CL9-1615**
Ariz	Electrical Specialty Co	P.O. Box 232, Main P.O., Phoenix, Ariz	AL2-2107
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles 23, Cal	AN9-9511
Cal	Electrical Specialty Co	158 Eleventh St, San Francisco 3, Cal	HE1-8450
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver, Colo	CH4-4588
Ill	Howard B Gould	5306 W. Lawrence Ave, Chicago 30, Ill	AV2-3676
Mass	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	Carl H Schmidt Co	16405 W. Eight Mile Rd, Detroit 35, Mich	BR3-8500
Minn	Volco Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
NY	Jerome J Theobald Inc	9 E. Genessee St, Skaneateles, NY	SK462
NY	W F Sauers	101 Briar Cliff Rd, Rochester 16, NY	CH2-3318
NY	David H King	75 Willow St, Guilderland, NY	AL8-8100
Ore	Electrical Specialty Co	212 N.W. 14th St, Portland 16, Ore	CA7-3188
Pa	David G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Wash	Electrical Specialty Co	2406 First Ave, S., Seattle, Wash	MA3-8061
Foreign	W J McLelland Inc	55 York St, Sydney, N.S.W., Australia	
	JEM ELECTRONICS CORP	**743 Circle Ave, Forest Park, Ill**	**PR1-8242**
	JENNINGS MACHINE CORP	**3452 Ludlow St, Philadelphia 4, Pa**	**EV6-2420**
	JENNINGS RADIO MFG CORP	**970 McLaughlin Ave, San Jose 8, Cal**	**CY2-4025**
	JENSEN INDUSTRIES INC	**7333 W.Harrison, Forest Park, Ill**	**FO6-0180**
Ala	Stanley K Wallace & Associates	1120 Montclair Rd, Birmingham, Ala	LY2-6291
Alaska	Dave M Lee Co	3527 N.E. Union Ave, Portland, Ore	AT6-5796
Ariz	Jack Berman Co	8146 N. First Ave, Phoenix, Ariz	WH5-9321
Ark	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5754
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Cal	Jack Berman Co	1141 S. LaCienega Blvd, Los Angeles, Cal	OL5-8920
Colo	Koetter-Cox Co	110 W. 13 Ave, Denver, Colo	MA3-3544
Conn	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Del	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
DC	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Fla	Stanley K Wallace & Associates	P.O. Box 67, Lutz, Fla	TA24-4221
Ga	Stanley K Wallace & Associates	715 Flamingo Dr, S.W.	PL3-8463
Idaho	Dave M Lee Co	2517 Second Ave, Seattle, Wash	MA2-5512
Idaho	Koetter-Cox Co	110 W. 13 Ave, Denver, Colo	MA3-3544
Ill	George Pettitt Co	349 N. Ashland, River Forest, Ill	FO9-8940
Ind	Delta Sales Inc	2136 E. 52 St, Indianapolis, Ind	CL1-3564
Iowa	W E Fry & Co	406 W. 34 St, Kansas City, Mo	JE1-5236
Kan	W E Fry & Co	406 W. 34 St, Kansas City, Mo	JE1-5236
Ky	Delta Sales Inc	2136 E. 52 St, Indianapolis, Ind	CL1-3564
La	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5754
Me	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Md	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Mass	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Mich	Jack Thorpe Co	640 Hidden Ln, Detroit 36, Mich	
Minn	H M Richardson & Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Miss	Stanley K Wallace & Associates	1120 Montclair Rd, Birmingham, Ala	LY2-6291
Mo	W E Fry & Co	6616 W. Florissant Ave, St. Louis, Mo	EU2-3500
Mont	Dave M Lee Co	2517 Second Ave, Seattle, Wash	MA2-5512
Neb	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Nev	Jack Berman Co	1141 S. LaCienega Blvd, Los Angeles, Cal	OL5-8920
NH	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
NJ	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
NM	Koetter-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
NY	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
NC	Stanley K Wallace Associates	P.O. Box 11377, Charlotte, NC	JA3-6109
ND	H M Richardson & Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Ohio	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
Okla	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Ore	Dave M Lee Co	3527 N.E. Union, Portland, Ore	
Pa	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Pa	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
RI	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
SC	Stanley K Wallace & Associates	P.O. Box 11377, Charlotte, NC	JA3-6109
SD	H M Richardson Co	9 E. 22 St, Minneapolis, Minn	FE6-4078
Tenn	Stanley K Wallace Associates	638 Rochelle Dr, Nashville, Tenn	VF2-0794
Tex	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Utah	Koetter-Cox Co	110 W. 13 Ave, Denver, Colo	MA3-3544
Vt	Lawrence B Cole Co	21 Radcliffe Rd, Weston, Mass	CE5-3197
Va	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Wash	Dave M Lee Co	2517 Second Ave, Seattle, Wash	MA2-5512
W Va	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
Wisc	George Pettitt Co	349 N. Ashland, River Forest, Ill	FO9-8940
Wyo	Koetter-Cox Co	110 W. 13 Ave, Denver, Colo	MA3-3544
Foreign	E O Magnus & Associates	188 W. Randolph, Chicago, Ill	FR2-8785
	JENSEN MFG CO., DIV MUTER CO	**6601 S. Laramie Ave, Chicago 38, Ill**	**PO7-7600**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ariz	Shefler-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL8-7893
Ark	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Ca	George S Tway	2230 W. 11th St, Los Angeles 6, Cal	DU7-1158
Colo	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Conn	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Ralph Palmisano	4304 Corona St, Tampa 9, Fla	62-4071
Fla	R H Van Dusen	940 Lake Elbert Dr, Winter Haven, Fla	CY4-2941
Ga	Wm T Little	2396 Connally Dr, East Point, Ga	PO1-5353
Idaho	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Idaho	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Ind	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20, Ind	CL1-3222
Iowa	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	HI4-2013
Kan	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	HI4-2013
Ky	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20, Ind	CL1-3222
La	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Me	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Miss	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Mo	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City 14, Mo	HI4-2013
Mont	Samuel Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Mont	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Neb	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Nev	Sinai-Johnson Inc	845 Jessie St, San Francisco 3, Cal	UN1-6259
Nev	Shefler-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL8-7893
NH	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
NJ	Benjay Associates Inc	521 S. Fifth Ave, Mt. Vernon, NY	OW9-4440
NJ	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
NM	Shefler-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL8-7893
NY	Benjay Associates Inc	521 S. Fifth Ave, Mt. Vernon, NY	OW9-4440
NY	Fred C Spellman	24 West Dr, Plandome, NY	MA7-7989
NY	Sumberkoff Sales Co	301 W. Main, Waterloo, NY	
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Ore	Dick Lindenberger	6224 E. Burnside, Portland, Ore	BE2-7868
Pa	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
RI	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
SC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Tenn	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Tenn	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Tex	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Utah	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Vt	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	Samuel N Stroum Co	1612 Broadway, Seattle, Wash	EA3-6117
W. Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Wyo	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	RA2-4641
Canada	Renfrew Electric Co Ltd	Toronto, Ontario, Canada	
Foreign	Radios Y Television, S. A.	Mexico, D. F.	
	JERROLD ELECTRONICS CORP	**15th & Lehigh, Philadelphia 32, Pa**	**BA6-3456**
Cal	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Cal	Instruments for Measurements	3150 El Cajon Blvd, San Diego, Cal	JU3-1972
Cal	Instruments for Measurements	251 S. Murphy Ave, Sunnyvale, Cal	RE6-8680
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Idaho	Rush S Drake Associates Inc	P.O. Box 2126, Idaho Falls, Idaho	
Mass	Addelco Corp	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
NY	The Martin Electronic Marketing Co	69 Greenwich St, Hempstead, NY	IV3-4060
NY	Charles A Winick Co	926 Riverview Rd, Schenectady 9, NY	ST5-8133
Ohio	Kilroy-Whelan Corp	10 N. Main St, Chagrin Falls, Ohio	CH7-4032
Ohio	Kilroy-Whelan Corp	2801 Far Hills Ave, Dayton 19, Ohio	AX3-2003
Pa	Holdsworth & Co	P.O. Box 71, Lansdowne, Pa	MA6-8300
Va	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Canada	Jerrold Electronics (Can) Ltd	50 Wingold Ave, Toronto 10, Ont, Can	RU1-6174
Foreign	Rock International Corp	13 East 40th St, New York 16, NY	MU9-0200
	JETTRON PRODUCTS INC	**56 Rt 10, Hanover, NJ**	**TU7-0571**
Ariz	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
Cal	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
Conn	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Ill	William F Hamilton	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
Ind	William E Hamilton	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
Iowa	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Me	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Mass	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Mich	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	LO1-8826
Mich	William F Hamilton Co	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
Mo	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Nev	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
NH	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
NJ	A L Livera & Associates	2 Green Village Rd, Madison, NJ	FR7-3220
NM	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
NY	A L Livera & Associates	2 Green Village Rd, Madison, NJ	FR7-3220
Ohio	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	LO1-8826
Okla	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Pa	A L Livera & Associates	2 Green Village Rd, Madison, NJ	FR7-3220
Pa	Arnold Johnson	7565 Kenwood Rd, Cincinnati 36, Ohio	LO1-8826
RI	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Tex	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Vt	Howard C Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Wisc	William F Hamilton Co	5517 N. Elston Ave, Chicago 30, Ill	SP5-2288
	JERSEY SPECIALTY CO., INC	**Burgess Pl, Montclairview, NJ**	
	JOCLIN MFG CO	**9 Lefbery Ave, Wallingford, Conn**	**CO9-8708**
Cal	K G Boardman	P.O. Box 24691, Los Angeles, Cal	OR7-8118
Ind	O E M Sales	P.O. Box 55232, Indianapolis, Ind	
Tex	Engineering Associates	P.O. Box 886, Fort Worth, Tex	WA3-7386
Foreign	Joseph F Rizzo	Empire State Bldg, New York 1, NY	PE6-0398
	JODEE PLASTICS INC	**36 Crescent St, Brooklyn 8, NY**	**AP7-4774**
Cal	Walter Wolf & Co	Box 1046, Santa Barbara, Cal	WO5-4353
NY	Lester Samuels Associates	576 Hendrix St, Brooklyn 7, NY	AP7-5636

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	JOHANSON MFG CORPORATION ... **P. O. Box 329, Boonton, NJ** ...	**DE4-2676**
	JOHNS-MANVILLE ... **22 E. 40th St, New York 16, NY** ...	**LE2-7600**
Cal	Johns-Manville Sales Corp ... 611 S. Catalina St, Los Angeles 5, Cal	
Cal	Johns-Manville Sales Corp ... 116 New Montgomery St, San Francisco 5, Cal	
Colo	Johns-Manville Sales Corp ... 1755 Glenarm Pl, Denver 2, Colo	
DC	Johns-Manville Sales Corp ... 15th & H Sts, N.W., Wash 5, DC	
Ga	Johns-Manville Sales Corp ... 101 Marietta St, Atlanta 3, Ga	
Hawaii	Johns-Manville Sales Corp ... 28 N. Nimitz Hwy, Honolulu 2, Hawaii	
Ill	Johns-Manville Sales Corp ... Merchandise Mart Plaza, Chicago 54, Ill	
La	Johns-Manville Sales Corp ... 2400 Canal St, New Orleans 19, La	
Mass	Johns-Manville Sales Corp ... 100 Newbury St, Boston 16, Mass	
Minn	Johns-Manville Sales Corp ... 3100 W. Lake St, Minneapolis 16, Minn	
Mo	Johns-Manville Sales Corp ... 7915 Bonhomme Ave, St. Louis 5, Mo	
NY	Johns-Manville Sales Corp ... 270 Madison Ave, New York 16, NY	
Ohio	Johns-Manville Sales Corp ... 510 American Bldg, Cincinnati 2, Ohio	
Ohio	Johns-Manville Sales Corp ... 3101 Euclid Bldg, Cleveland 15, Ohio	
Pa	Johns-Manville Sales Corp ... Mall Bldg, Chestnut St at 4th, Philadelphia 6, Pa	
Pa	Johns-Manville Sales Corp ... 2228 Koppers Bldg, Pittsburgh 19, Pa	
Tex	Johns-Manville Sales Corp ... 3115 Blodgett St, Houston 4, Tex	
Wash	Johns-Manville Sales Corp ... 4304 Stone Way, Seattle 3, Wash	
Wisc	Johns-Manville Sales Corp ... 4260 N. Teutonia Ave, Milwaukee 9, Wisc	
	JOHNS-MANVILLE DUTCH BRAND DIV ... **7800 Woodlawn Ave, Chicago 19, Ill** ...	**SA1-1900**
	JOHNSON & BASSETT INC ... **114 Foster St, Worcester, Mass** ...	**PL5-1216**
	JOHNSON CO, E F ... **Waseca, Minn** ...	**998**
Ala	James Millar Associates ... 1036 Peachtree, N.E., Atlanta 9, Ga	TR6-0919
Alaska	Dave Lee Co., Inc ... 3527 N.E., Union Ave, Portland 12, Ore	AT8-5796
Ariz	Harry A Moore Sales Co ... 4142 N. 18th St, Phoenix, Ariz	CR4-0060
Ark	Earl K Moore Co ... 5864 Louisville St, New Orleans, La	HU8-2407
Cal	Don C & Wm H Wallace ... 1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Cal	Logan Sales Co ... 150 Eighth St, San Francisco 3, Cal	HE1-0692
Colo	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
Del	S K MacDonald Inc ... 1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Fla	James Millar Associates ... 1036 Peachtree N.E., Atlanta 9, Ga	TR6-0919
Idaho	Dave M Lee Co., Inc ... 3527 N.E., Union Ave, Portland, Ore	AT8-5796
Idaho	McLoud-Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Ill	Ellinger Sales Co ... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	McFadden Sales Co ... 150 E. Broad St, Columbus, Ohio	CA1-3363
Iowa	The Jerry Vrbik Co ... 419 Third St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	H A Roes & Co ... 2601 Cherry St, Kansas City 8, Mo	BA1-0866
Ky	McFadden Sales Co ... 150 E. Broad St, Columbus, Ohio	CA1-3363
La	Earl K Moore Co ... 5864 Louisville St, New Orleans 24, La	HU8-2407
Me	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
Md	S K MacDonald Inc ... 1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Mass	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
Mich	A B M Sales Co ... 10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Miss	Earl K Moore Co ... 5864 Louisville St, New Orleans 24, La	HU8-2407
Mo	H A Roes & Co ... 2601 Cherry St, Kansas City, Mo	BA1-0866
Mont	McLoud-Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Mont	Dave M Lee Inc ... 3527 E. Union Ave, Portland 12, Ore	AT8-5796
Neb	H A Roes & Co ... 2601 Cherry St, Kansas City 8, Mo	BA1-0866
Nev	Logan Sales Co ... 150 8th St, San Francisco 3, Cal	HE1-0692
NH	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
NJ	S K MacDonald Co ... 1531 Spruce St, Philadelphia 12, Pa	KI5-1205
NJ	F Edwin Schmitt Co ... 136 Liberty St, New York 6, NY	WO2-6550
NM	Harry Moore Sales Co ... 4142 N. 18th St, Phoenix, Ariz	CR4-0060
NY	F Edwin Schmitt Co ... 136 Liberty St, New York 6, NY	WO2-6550
NY	R W Mitscher Co., Inc ... Ellicott Sq. Bldg, Buffalo, NY	WA2517
NY	Paston-Hunter Co ... 3307 Erie Blvd E., Syracuse, NY	GI6-2180
NC	James Millar Associates ... 1036 Peachtree St, S.E., Atlanta 9, Ga	TR6-0919
Ohio	McFadden Sales Co ... 150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Robert E Nesbitt Co ... 1925 Cedar Springs, Dallas 1, Tex	RI7-5824
Ore	Dave M Lee Inc ... 3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	S K Macdonald Inc ... 1531 Spruce St, Philadelphia 2, Pa	KI5-1205
RI	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
SC	James Millar Associates ... 1036 Peachtree S.E., Atlanta 9, Ga	TR6-0919
Tenn	James Millar Associates ... 1036 Peachtree S.E., Atlanta 9, Ga	TR6-0919
Tex	Robert E Nesbitt Co ... 1925 Cedar Springs, Dallas 1, Tex	RI7-4145
Utah	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Paul R Sturgeon Inc ... 25 Huntington Ave, Boston 16, Mass	CO6-7705
Va	S K MacDonald Inc ... 1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wash	Dave M Lee Inc ... 3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
W.Va	S K MacDonald Inc ... 1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wisc	Ellinger Sales Co ... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Wyo	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Foreign	The M Simons & Son Co., Inc	25 Warren St, New York 7, NY ... BA7-5513
Canada	A C Simmonds & Sons Ltd ... 100 Merton St, Toronto, Ontario, Canada	HU5-9111
	JOHNSON & CO., INC., K W ... **1825 Webster St, Dayton, Ohio** ...	**BA4-1078**
Ala	W E Wolcott & Co ... P.O. Box 1523, Winter Park, Fla	MI7-1901
Ariz	C B Rush & Associates ... 3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Cal	C B Rush & Associates ... 3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Colo	Spicer-Lindsay Associates ... 4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Conn	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Del	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
DC	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Fla	W E Wolcott & Co ... P.O. Box 1523, Winter Park, Fla	MI7-1901
Ga	W E Wolcott & Co ... P.O. Box 1523, Winter Park, Fla	MI7-1901
Ill	Pem Sales Co ... 8618 Brookshire Ln, University City, Mo	WY1-1539
Ind	R T Mathews Co ... 1127 Wells St, Ft. Wayne, Ind	CL1-3803
Iowa	Pem Sales Co ... 8618 Brookshire Ln, University City, Mo	WY1-1539
Kan	Pem Sales Co ... 8618 Brookshire Ln, University City, Mo	WY1-1539
Ky	R T Mathews Co ... 1127 Wells St, Ft. Wayne, Ind	CL1-3803
Me	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Md	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Mass	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Mich	R T Mathews Co ... 1127 Wells St, Ft. Wayne, Ind	CL1-3803
Minn	Ed Mellus & Associates ... 2635 University Ave, St. Paul 14, Minn	MI6-7991
Miss	W E Wolcott & Co ... P.O. Box 1523, Winter Park, Fla	MI7-1901
Mo	Pem Sales Co ... 8618 Brookshire Ln, University City, Mo	PR1-8430
NH	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
NJ	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
NM	Spicer-Lindsay Associates ... 4960 E. Evans Ave, Denver 22, Colo	SK6-0627
NY	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
NY	Wall Associates ... P.O. Box 161, Lewitt 14, NY	DI6-4100
NC	Harry T Altman Co ... P.O. Box 1031, Charlotte, NC	EX3-8926
ND	Ed Mellus & Associates ... 2635 University Ave, St. Paul 14, Minn	MI6-7991
Ohio	Jay Engineering Co ... P.O. Box 175, Sta A, Dayton 3, Ohio	CL3-2151
Ohio	Jay Engineering Co ... 5413 Pearl Rd, Cleveland 29, Ohio	TU4-4080
Okla	Electro-Mechanical Associates ... 6115 Denton Dr, Dallas 19, Tex	FL2-3389
Pa	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
RI	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
SC	Harry T Altman ... P.O. Box 1031, Charlotte, NC	EX3-8926
SD	Ed Mellus & Associates ... 2635 University Ave, St. Paul 14, Minn	MI6-7991
Tex	Electro-Mechanical Associates ... 6115 Denton Dr, Dallas 19, Tex	FL2-3389
Utah	Spicer-Lindsay Associates ... 4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Vt	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Va	Wald Research Associates ... 566 Broad St, Glen Rock, NJ	OL2-5930
Wisc	Ed Mellus & Associates ... 2635 University Ave, St. Paul 14, Minn	MI6-7991
Wyo	Spicer-Lindsay Associates ... 4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Canada	Airflite Components Co ... 71 Dixon Rd, Weston, Toronto 15, Ont	CH1-5533
	JOHNSON ELECTRICS INC ... **P. O. Box 1675, Casselberry, Fla** ...	**MH4-3311**
	JOHNSON & HOFFMAN MFG CORP ... **31 E. Second St, Mineola, NY** ...	**PI2-3333**
Ariz	The Alfred A Lee Co ... 1733 E. Marshall Ave, Phoenix, Ariz	AM5-7200
Cal	Yarbrough Sales Co ... 2636 Mission St, San Marino, Cal	MU2-3331
	JOHNSON MATTHEY & MALLORY LTD ... **110 Industry St, Toronto, Ontario, Can** ...	**RO2-7201**
	JOHNSON MFG CO., INC ... **Mt. Vernon, Iowa** ...	**3651**
	JONES ELECTRONICS, HIRAM ... **2313 W. Olive Ave, Burbank, Cal** ...	**VI9-5311**
Cal	Conrad & Co ... 3110 Goddard Way, San Diego 1, Cal	CY6-2732
Conn	E A I ... 200 Fifth St, Stamford, Conn	DA4-7300
Mass	E A I ... 14 Wedgewood Rd, Natick, Mass	DA4-7300
Ohio	Roger E Schiemmer ... 8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Tex	Packard Associates ... Love Field Air Terminal Bldg, Dallas 35	FL7-5713
Canada	E S Gould Sales Co ... 19 Le Royer St, W., Montreal, Quebec	AV8-5716
	JONES, HOWARD B DIV CINCH MFG CO ... **1026 S. Homan Ave, Chicago 24, Ill** ...	**NE2-2000**
Cal	Howard B Jones Div ... 1709 W. 8th St, Los Angeles 17, Cal	HU3-6810
DC	S K Macdonald Inc ... 3308 14th St, Wash, DC	CO3938
Fla	Cartwright & Bean ... 20100 N.E., 25th Ct, North Miami Beach	WI5-2962
Fla	Cartwright & Bean ... 4525 S. Lois Ave, Tampa, Fla	62-0111
Ga	Cartwright & Bean ... 3223 Cains Hill Pl, N.W., Atlanta, Ga	CE7-2273
Ill	Howard B Jones Div ... 1026 S. Homan Ave, Chicago 24, Ill	NE2-2000
Ind	Howard B Jones Div ... 5237 N. Keystone Ave, Indianapolis, Ind	CL1-9526
La	Cartwright & Bean ... 821 Pontalba St, New Orleans, La	AU2264
Md	S K Macdonald Inc ... 2016 Winford Rd, Baltimore, Md	CL4-9966
Mass	Howard B Jones Div ... Wellesley Hills, Mass	CE5-7410
Mich	Howard B Jones Div ... 2832 E. Grand Blvd, Detroit 11, Mich	TR3-9500
Mich	Howard B Jones Div ... 5006 Lake Forest Dr, Kalamazoo, Mich	FI5-5686
NY	Howard B Jones Div ... 647 S. Warren Ave, Syracuse, NY	HA2-1379
NY	Howard B Jones Div ... 475 Fifth Ave, New York 17, NY	MU3-9356
NC	Cartwright & Bean ... 625 Harwyn Dr, Charlotte, NC	FR6-8648
Ohio	Scott & Steffen Inc ... 1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Pa	S K Macdonald Inc ... 1531 Spruce St, Philadelphia, Pa	KI5-1205
Pa	S K Macdonald Inc ... 335 Fifth Ave, Pittsburgh, Pa	AT2253
Tenn	Cartwright & Bean ... 560 S. Cooper, Memphis, Tenn	BR6-4442
Tex	Howard B Jones Div ... 1500 Jackson St, Dallas, Tex	RI2-5911
Canada	Howard B Jones Div ... Gage Ave & Beach Rd, Hamilton, Ont	LI4-5791
	JONES & LAMSON MACHINE CO ... **539-D Clinton St, Springfield, Vt** ...	**TU5-2121**
Ala	J R Carlson Machinery Co ... 3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-3276
Ariz	Germain Machinery Co ... 1829 S. Central Ave, Phoenix, Ariz	AL4-7790
Ark	K P Wesseling & Co., Inc ... 310 N. Euclid Ave, St. Louis 8, Mo	FO7-0610
Cal	Germain Machinery Co ... 3200 S. Garfield Ave, L A 22, Cal	RA3-7111
Cal	Moore Machinery Co ... 7th & Carleton Sts, Berkeley 10, Cal	TH1-6500
Cal	J T Andersen ... 10731 Groveland Ave, Whittier, Cal	OX7-5472
Colo	Geoffrov-Lane Inc ... 432 E. 1st Ave, Denver 3, Colo	SH4-2451
Colo	Allied Northwest Machine Tool Corp ... 138 S. 2nd, E., Salt Lake City 10, Utah	EL5-3092
Conn	Jones & Lamson Machine Co ... 751 Main St, Waltham, Mass	TW4-7030
Conn	Jones & Lamson Machine Co ... 30 Rockefeller Plaza, New York 20, NY	CI7-5416
Del	Jones & Lamson Machine Co ... 913 Montgomery Ave, Narberth, Pa	TR7-2852
Fla	J R Carlson Machinery Co ... 711 Magnolia Ave, Orlando, Fla	CH1-3041
Ga	J R Carlson Machinery Co ... 3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-3276
Idaho	Allied Northwest Machine Tool Corp ... 138 S. 2nd, E., Salt Lake City 10, Utah	EL5-3092
Ill	Jones & Lamson Machine Co ... 5835 W. North Ave, Chicago 39, Ill	BE7-1112
Ill	K P Wesseling & Co., Inc ... 310 N. Euclid Ave, St. Louis 8, Mo	FO7-0610
Ind	Jones & Lamson Machine Co ... 6325 Guilford Ave, Indpls 20, Ind	CL1-4220
Iowa	Jones & Lamson Machine Co ... 5835 W. North Ave, Chicago 39, Ill	BE7-1112
Iowa	T S McShane Co., Inc ... 1113 Howard St, Omaha, Neb	JA1273
Ind	Clark & Osborne ... 6325 Guilford Ave, Indpls 20, Ind	CL5-5668
Kan	Leo Hoey Machine Co ... P.O. Box 6, Mission, Kan	HE2-0118
Kan	Luce Industrial Supply Co ... 1629 E. Douglas Ave, Wichita, Kan	AM2-6372
Ky	Jones & Lamson Machine Co ... 6325 Guilford Ave, Indpls 20, Ind	CL1-4220
Ky	Wilhelm Tool Agency ... 1551 Bardstown Rd, Louisville 5, Ky	GL1-2231
La	Oliver H Van Horn Co., Inc ... 228 Spring St, Shreveport, La	2-2173
La	Oliver H Van Horn Co., Inc ... 1742 St. Charles Ave, New Orleans 1, La	JA2-8531
Me	Lynd-Farquhar Co ... 960 Park Square Bldg, Boston, Mass	HA6-0520
Md	Jones & Lamson Machine Co ... 913 Montgomery Ave, Narberth, Pa	MO4-4132
Mass	Jones & Lamson Machine Co ... 751 Main St, Waltham, Mass	TW4-7030
Mich	Jones & Lamson Machine Co ... 16927 Jas Couzens Hwy, Detroit 35, Mich	UN4-7900
Minn	The Satterlee Co ... 2200 E. Franklin Ave, Minnpls 4, Minn	FE3-5264
Miss	Oliver H Van Horn Co., Inc ... 451 N. Gallatin St, Jackson, Miss	FL4-4321
Mo	K P Wesseling & Co., Inc ... 310 N. Euclid Ave, St. Louis 8, Mo	FO7-0610
Mo	Leo Hoey Machine Co ... P.O. Box 6, Mission, Kan	HE2-0118
Neb	T S McShane Co., Inc ... 1113 Howard St, Omaha, Neb	JA1273
Nev	Allied Northwest Machine Tool Corp ... 138 S. 2nd, E., Salt Lake City 10, Utah	EL5-3092
Nev	Germain Machinery Co ... 3200 S. Garfield Ave, L A 22, Cal	RA3-7111
NH	Lynd-Farquhar Co ... 960 Park Square Bldg, Boston, Mass	HA6-0520
NJ	Jones & Lamson Machine Co ... 30 Rockefeller Plaza, New York 20, NY	CI7-5416
NJ	Jones & Lamson Machine Co ... 913 Montgomery Ave, Narberth, Pa	MO4-4132
NM	Geoffrov-Lane Inc ... 432 E. 1st Ave, Denver 3, Colo	SH4-2451
NY	Jones & Lamson Machine Co ... 30 Rockefeller Plaza, New York 20, NY	C 7-5416
NY	Jones & Lamson Machine Co ... 751 Main St, Waltham, Mass	TW4-7030
NY	A V Wiggins Co., Inc ... 334-344 W. Fayett St, Syracuse 1, NY	GR1-9141
NC	Jones & Lamson Machine Co ... 1900 Commonwealth Ave, Charlotte 5, NC	ED4-3854
ND	The Satterlee Co ... 2200 E. Franklin Ave, Minnpls 4, Minn	FE3-5264
Ohio	Jones & Lamson Machine Co ... 25000 Euclid Ave, Cleveland 17, Ohio	RE2-7070
Ohio	Jones & Lamson Machine Co ... 16927 James Couzens Hwy, Detroit, Mich	UN4-7900
Ohio	Barney Machinery Co ... 1002 Greentree Rd, Pittsburgh 20, Pa	WA2-1207
Okla	Marshall Supply & Equipment Co ... 920 E. Archer, Tulsa, Okla	Lu4-5275
Okla	Marshall Supply & Equipment Co ... 705 N. Virginia, Oklahoma City, Okla	CE2-8836
Ore	Allied Northwest Machine Tool Corp ... 1222 S.E. 7th Ave, Portland 14, Ore	BE4-7513
Pa	Jones & Lamson Machine Co ... 913 Montgomery Ave, Narberth, Pa	MO4-4132
Pa	Barney Machinery Co ... 1002 Greentree Rd, Pittsburgh 20, Pa	WA2-1207
RI	Jones & Lamson Machine Co ... 751 Main St, Waltham, Mass	TW4-7030
SC	Jones & Lamson Machine Co ... 1900 Commonwealth Ave, Charlotte 5, NC	ED4-3854
SD	The Satterlee Co ... 2200 E. Franklin Ave, Minnpls 4, Minn	FE3-5264
Tenn	Jones & Lamson Machine Co ... 1900 Commonwealth Ave, Charlotte 5, NC	ED4-3854
Tex	Oliver H Van Horn Co., Inc ... 451 Main St, Fort Worth 1, Tex	ED5-4484
Tex	Wessendorff Nelms & Co., Inc ... 5535 Harvey Wilson Dr, Houston 20, Tex	WA8-5151
Utah	Edward Abrahamovich ... 7658 Belbay St, Houston 21, Tex	MI5-3063
Utah	Allied Northwest Machine Tool Co ... 138 S. 2nd, E., Salt Lake City 10, Utah	EL5-3092
Va	Jones & Lamson Machine Co ... 1900 Commonwealth Ave, Charlotte 5, NC	ED4-3854
Wash	Perine Machinery & Supply Co ... 1921 1st Ave, S., Seattle 4, Wash	MA2-2620
W. Va	Barney Machinery Co ... 1002 Greentree Rd, Pittsburgh 20, Pa	WA2-1207
Wisc	L L Richards Machinery Co ... 6455 W. River Pkwy, Milwaukee 13, Wisc	SP1-3120
Wisc	The Satterlee Co ... 2200 E. Franklin Ave, Minnpls 4, Minn	FE3-5264
Wyo	Geoffrov-Lane Inc ... 432 E. 1st Ave, Denver 3, Colo	SH4-2451
	JONES ELECTRONICS CO., INC M C SUB OF BENDIX AVIATION CORP ... **185 N. Main St, Bristol, Conn** ...	**LU2-6388**
Ariz	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
Ark	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Cal	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
Colo	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago, Ill	GL64031
Idaho	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
Ill	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Ind	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Iowa	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Kan	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Ky	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
La	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Mich	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Minn	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Miss	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Mo	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Mont	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Neb	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Nev	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
NM	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
ND	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Ohio	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Okla	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Ore	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
SD	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Tenn	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Tex	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Utah	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
Wash	Scintilla Div Bendix Aviation Corp ... 117 E. Providencia Ave, Burbank, Cal	VI9396I
Wisc	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
Wyo	Scintilla Div Bendix Aviation Corp ... 4104 N. Harlem St, Chicago 34, Ill	GL64031
	JONES & ROY CO ... **620 Commercial Ave, Covina, Cal** ...	**ED1-4874**
	JONESVILLE PAPER TUBE CORP ... **474 Beck Rd, Jonesville, Mich** ...	**VI9-2951**
NY	Harold F Temple ... 70 Brook Rd, Valley Stream, NY	PY1-6264
	JONTZ MFG CO., INC ... **1101 E. McKinley Ave, Mishawaka, Ind** ...	**BI9-2496**
Ala	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
Ark	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
Fla	Jack Gaertner ... 235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
Hawaii	Dougherty Enterprises ... 149 Kaiani St, Kailua, Hawaii	265-275
Ill	Ray R Hutmacher Associates Inc ... 6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Ind	Thomas & Sukup Inc ... 5226 N. Keystone, Indianapolis, Ind	CL1-4574
Iowa	Carmine A Vignola & Associates ... P.O. Box 569, Jefferson City, Mo	5-1028
Kan	Carmine A Vignola & Associates ... P.O. Box 569, Jefferson City, Mo	5-1028
Ky	Thomas & Sukup Inc ... 5226 N. Keystone, Indianapolis, Ind	CL1-4574
La	Hank Lieberman & Associates ... P.O. Box 12262, Dallas 25, Tex	EM3-3452
Mich	Ray R Hutmacher Associates Inc ... 6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Mich	Midwest Sales Co ... 3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Minn	Elmer Hagestad & Associates ... 4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Miss	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
Mo	Carmine A Vignola Associates ... P.O. Box 569, Jefferson City, Mo	5-1028
Neb	Carmine A Vignola Associates ... P.O. Box 569, Jefferson City, Mo	5-1028
NY	Maury Farber Associates ... 70 W. Chippewa, Buffalo 2, NY	WO3-5434
NC	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
ND	Elmer Hagestad & Associates ... 4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Ohio	Midwest Sales Co ... 3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Okla	Hank Lieberman & Associates ... P.O. Box 12262, Dallas 25, Tex	EM3-3452
Pa	Midwest Sales Co ... 3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Pa	Maury Farber Associates ... 70 W. Chippewa, Buffalo 2, NY	WO3-5434
SC	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
SD	Elmer Hagestad & Associates ... 4513 Laguna Dr, Minneapolis 24, Minn	WA2-2034
Tenn	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914
Tex	Hank Lieberman & Associates ... P.O. Box 12262, Dallas 25, Tex	EM3-3452
Va	Cartwright & Bean Associates ... 560 S. Cooper St, Memphis, Tenn	BR5-1914

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Wisc	Elmer Hagestad & Associates	4513 Lagune Dr, Minneapolis 24, Minn	WA2-2034
Wisc	Ray R Hutmacher Associates	6647 Oliphant Ave, Chicago 31, Ill	NE1-3248
	JORDON CONTROLS INC	**3225 W. Hampton, Milwaukee 9, Wisc**	**UP1-9240**
Cal	W H Del Mar Co	3925 W. Slauson Ave, L A 43, Cal	AX5-6421
Cal	McCarthy-Hood & Associates	1485 Bayshore Blvd, San Francisco, Cal	JU6-1860
Colo	J H Dorough Co., Inc	1357 Harlan St, Denver 14, Colo	BE7-2925
Ill	Clarkson Engrg Co	105 N. Laramie Ave, Chicago 44, Ill	AU7-4272
Ind	Gorske Industrial Equipment	132 E. 30th St, Indnpls, Ind	WA4-1000
Md	Frost Associates	213 E. 25th St, Baltimore 18, Md	VA3-3569
Mass	Lanman Sales Co	10 Ardlock Pl, Webster, Mass	1727
Mich	John Boyko Engrg Co	13050 Houston Ave, Detroit 5, Mich	DR1-2840
NY	Bernard Fleckenstein	210 Sunnybrook Dr, Syracuse 9, NY	HU8-7883
NY	Glaser Corp	797 Military Rd, Buffalo 17, NY	RI3221
NY	Jackson Engrg Co	128 Court St, White Plains, NY	WH8-1033
Ohio	John Boyko Engrg Co	356 Morris St, Toledo 4, Ohio	
Ohio	Steve J Vereb	4619 E. 93rd St, Garfield Hts 25, Ohio	VU3-6999
Ohio	Willey-Wray Electric Co	1523 Central Pkwy, Cincinnati 14, Ohio	PA1-4720
Ore	Western Machinery Corp	1035 S. E. 9th Ave, Portland, Ore	BE6-4117
Pa	Jackson Engrg Co	211 Ford Rd, Bala Cynwyd, Pa	MO4-9611
Tex	Robert B Stockdale Associates inc	3315 Buffalo Dr, Houston 19, Tex	
Wash	A F Woolsey	84 Madison St, Seattle, Wash	EL7061
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Que,Ca	UN6-7367
Canada	Morton Engrg Ltd	1340 Commercial Dr, Vancouver, BC Can	HA9007
	JORDAN ELECTRONICS DIV	**3025 W. Mission Rd, Alhambra, Cal**	**CU3-4910**
Cal	Sam S Dawson	127 University Ave, San Diego 3, Cal	CY5-6671
Cal	Charles Vaulcin Co	441 W. California Ave, Palo Alto, Cal	DA5-5291
Colo	Missile Accessories Corp	458 S. 3rd E. St, Salt Lake City, Utah	CY8-1393
Conn	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
Del	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
DC	J A Mount Co	National Press Bldg, Washington 4, DC	DI7-1349
Ind	Ashby & Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Iowa	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Kan	Design & Sales Engineering Co	10511 W. 56th Terr, Shawnee, Kan	HE2-2528
La	Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Me	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
Md	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
Mass	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
Mich	Ashby & Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
NH	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
NJ	Creek Corp	Lumber Rd, Roslyn, NY	MA1-7410
NJ	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
NY	Creek Corp	Lumber Rd, Roslyn, NY	MA1-7410
Ohio	Ashby & Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Okla	Kantenberger Co	1231 S. Gary St, Tulsa 4, Okla	
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
RI	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
Tex	Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Tex	Kantenberger Co	3011 Prescott St, Houston, Tex	MO4-2736
Tex	Kantenberger Co	1502 W. Gramercy, San Antonio, Tex	PE2-2151
Utah	Missile Accessories Corp	458 S. 3rd E. St, Salt Lake City 11, Utah	CY8-1393
Vt	Norman S Stachelek Co	94 Kenwood St, Kensington, Conn	VA8-4587
Va	Jay A Mount Co	National Press Bldg, Washington 4, DC	DI7-1349
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Canada	R C Testing & Control Systems	618 Vaughan Rd, Toronto 10, Ont, Canada	RU1-6658
Foreign	Terminal Radio International	135 Liberty St, New York 6, NY	WO4-3311
	JOY MFG CO	**Dept 39, Oliver Bldg, Pittsburgh 22, Pa**	**GR1-2140**
Ala	Crandall Engineering Co	601 N. 10th St, Birmingham, Ala	AL1-9262
Cal	Joy Mfg Co	5426 E. Washington Blvd, L A 22, Cal	RA3-6305
Colo	Schloss & Shubart	1626 Wazee St, Denver 2, Colo	AC2-2741
Ga	O V Scott Jr	305 Techwood Dr, N.W., Atlanta, Ga	JA47517
Ill	Joy Mfg Co	560 W. Washington Blvd, Chicago 6, Ill	DE2-4670
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	Johnson Equipment Co	315 First Federal Bldg, Davenport, Iowa	2-5511
La	Jones-Philibert & Co	358 Sauve Rd, New Orleans 23, La	KE4-2765
Mass	Joy Mfg Co	Second Ave, Burlington, Mass	BR2-9500
Mich	Joy Mfg Co	17615 W. McNichols Blvd, Detroit 35	KE7-2660
Minn	Volco Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Miss	Joy Mfg Co	1201 Macklind Ave, St. Louis 10, Mo	WI5-6670
Mo	Fleming & Co	3021 Main St, Kansas City, Mo	PL3-0111
NJ	Theodore B Dally	26 Journal Sq, Jersey City 6, NJ	OL3-3587
NY	Joy Mfg Co	100 Church St, New York 7, NY	CO7-6545
NC	Harold W Sheats	P.O. Box 1436, Charlotte 1, NC	JA3-2414
Ohio	Phister & Riggs Inc	709 Temple Bar Bldg, Cincinnati, Ohio	GA1-3850
Ohio	Joy Mfg Co	16141 Puritas Ave, Cleveland 35, Ohio	CL1-9444
Pa	Joy Mfg Co	1420 Walnut St, Philadelphia 2, Pa	PE5-1414
Pa	Joy Mfg Co	3201 Banksville Rd, Pittsburgh 16, Pa	LO3-4000
Tenn	Tom Jones	651 S. Cooper, Memphis 4, Tenn	BR6-4459
Tex	Joy Mfg Co	P.O. Box 13187, Dallas 20, Tex	FL7-3949
Tex	Joy Mfg Co	1022 Wyoming St, El Paso, Tex	KE3-2121
Utah	Joy Mfg Co	998 S. 6th W., Salt Lake City 10, Utah	DA2-0481
Va	Arthur C Hoey Jr	3364 Cedar Grove Rd, Richmond 35, Va	BR2-3449
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	SE8650
	JUALL GEAR CO., INC	**1108 Goffle Rd, Hawthorne, NJ**	**HA7-4220**
	JUDD WIRE MFG CORP	**22 Ave, A, Turners Falls, Mass**	**UN3-4358**
Ind	R H McNeil	1521 Barrington Rd, Columbus 21, Ohio	HU6-1483
Ky	R H McNeil	1521 Barrington Rd, Columbus 21, Ohio	HU6-1483
Mich	R H McNeil	1521 Barrington Rd, Columbus 21, Ohio	HU6-1483
NY	Irv Morse Sales	2351 E. 65th St, Brooklyn 34, NY	HI4-4938
Ohio	R H McNeil	1521 Barrington Rd, Columbus 21, Ohio	HU6-1483
	JULIE RESEARCH LABS	**556 W. 168 St, New York 32, NY**	**LO8-8700**
Ala	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ariz	Luscombe Engineering Co	3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal	DI2-7057
Conn	George Gostenhofer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Del	W A Brown & Associates	3601 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates	3601 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates	711 Magnolia, Orlando, Fla	GA5-5682
Ga	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ill	Walter F Marsh & Associates	244 Chicago Ave, Oak Park, Ill	EU6-2967
Ind	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Iowa	Walter F Marsh & Associates	244 Chicago Ave, Oak Park, Ill	EU6-2967
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Ky	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Me	George Gostenhofer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Md	W A Brown & Associates	3601 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Mich	Electro Sales Associates	36500 Werderman Rd, Mt. Clemens, Mich	HO8-2461
Miss	W A Brown & Associates Inc	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Mo	Lee Mark Associates	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Nev	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	MU2-3386
NH	George Gostenhofer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
NJ	Bradley Associates Corp	215 W. 88th St, New York 24, NY	SU7-7227
NY	Bradley Associates Corp	215 W. 88th St, New York 24, NY	SU7-7227
NY	db Associates Inc	P.O. Box 284, De Witt, NY	GI6-0220
NC	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Ohio	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Pa	Holdsworth & Co	Box 71, Lansdowne, Pa	MA6-8300
SC	W A Brown & Associates Inc	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Tenn	W A Brown & Associates Inc	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Vt	George Gostenhofer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
W. Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	Walter F Marsh & Associates	244 Chicago Ave, Oak Park, Ill	EU6-2967
Foreign	Hudson Randall International	6 Pawcatuck Ave, Westerly, RI	
Canada	Radionics Ltd	8230 Mayrand St, Montreal 9, Canada	RE9-5517
	K-F DEVELOPMENT CO	**2606 Spring St, Redwood City, Cal**	**EM8-5670**
	KLH RESEARCH & DEVELOPMENT CORP	**30 Cross St, Cambridge 39, Mass**	**KI7-3815**
Ariz	Ralph Aufder Heide	P.O. Box 201, Altadena, Cal	
Ark	W R Hays	P.O. Box 12204, Dallas, Tex	
Cal	Ralph Aufder Heide	P.O. Box 201, Altadena, Cal	
Conn	Hetherington Sales	97 Bogle St, Weston, Mass	
Del	Arnold Packer	325 W. 86th St, New York, NY	
DC	Arnold Packer	325 W. 86th St, New York, NY	
Fla	World Wide Products	P.O. Box 154, N. Miami Beach, Fla	
Idaho	Dale G Weber	8 S.E. Clay, Portland 14, Ore	
Ill	Gene F Clears Co	435 Indianwood Blvd, Park Forest, Ill	
Ind	Gene F Clears Co	435 Indianwood Blvd, Park Forest, Ill	
La	W R Hays	P.O. Box 12204, Dallas, Tex	
Me	Van Hetherington	97 Boyle St, Weston, Mass	
Md	Arnold Packer	325 W. 86th St, New York, NY	
Mass	Van Hetherington	97 Boyle St, Weston, Mass	
Minn	Gene F Clears Co	435 Indianwood Blvd, Park Forest, Ill	
Mont	Dale G Weber Co	8 S. E. Clay, Portland 14, Ore	
NH	Hetherington Sales	97 Boyle St, Weston, Mass	
NJ	H Wieler	West St, Harrison, NY	
NJ	A Packer	325 W. 86th St, New York, NY	
NY	Harold Wieler	West St, Harrison, NY	
Ohio	David Lymauer	765 College Ave, Pittsburgh 32, Pa	
Okla	W R Hays	P.O. Box 12204, Dallas, Tex	
Ore	Dale G Weber Co	8 S. E. Clay, Portland, Ore	
Pa	D Lymauer	765 College Ave, Pittsburgh 32, Pa	
Pa	A Packer	325 W. 86th St, New York, NY	
RI	Hetherington Sales	97 Boyle St, Weston, Mass	
Tex	W R Hays	P.O. Box 12204, Dallas, Tex	
Vt	Hetherington Sales	97 Boyle St, Weston, Mass	
Va	A Packer	325 W. 86th St, New York, NY	
Wash	Dale G Weber Co	8 S. E. Clay, Portland 14, Ore	
W.Va	A Packer	325 W. 86th St, New York, NY	
Wisc	Gene F Clears Co	435 Indianwood Blvd, Park Forest, Ill	
	KTV TOWER & COMMERCIAL EQUIPMENT CO	**P. O. Box 294, Sullivan, Ill**	
	K-V TRANSFORMER CORP	**20 E. Franklin St, Danbury, Conn**	**PI3-5531**
	K-W ENGINEERING WORKS	**N50 W16328 Pla Oak Ct, Butler, Wisc**	**SU1-8616**
Ala	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
Fla	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
Ga	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
Ill	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	SK5-8359
Ind	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	SK5-8359
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Mich	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Miss	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
NJ	Jack M Gutzeit & Associates	75-02 168th St, Flushing 66, NY	OL8-4385
NY	Jack M Gutzeit & Associates	75-02 168th St, Flushing 66, NY	OL8-4385
NC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
SC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
Tenn	Buthan Inc	4924 Oleander Dr, Wilmington, NC	5749
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Wisc	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	SK5-8359
	KAAR ENGINEERINGCORP	**2995 Middlefield Rd, Palo Alto, Cal**	**DA6-5050**
Ala	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Alaska	Yukon Radio Supply Inc	P.O. Box 406, Anchorage, Alaska	
Ariz	King-Moon Co	13273 Ventura Blvd, Sherman Oaks, Cal	ST8-5450
Ark	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Cal	Marine Radio Service	Berth 73, San Pedro, Cal	TE1-1213
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Del	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
DC	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Fla	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Ga	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Hawaii	Jim Hastin Sales Co	P.O. Box 2098, Honolulu 5, Hawaii	99-8910
Idaho	Gordon Armstrong	226 29th Ave, N., Seattle, Wash	EA2-6189
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ill	William J Doyle Co	7002 N. Western Ave, Chicago, Ill	RO1-3130
Ind	William J Doyle Co	7002 N. Western Ave, Chicago, Ill	RO1-3130
Iowa	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Kan	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Ky	Office Equipment Co	119 S. 4th St, Louisville 2, Ky	JU5-5161
La	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Me	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Md	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Mass	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Mich	J Malcolm Flora Inc	N. Territorial at Ridgewood, Plymouth	GL3-4296
Minn	William J Doyle Co	7002 N. Western Ave, Chicago, Ill	RO1-3130
Miss	Nelson E Thomas & Associates	7825 Forshey St, New Orleans 25, La	AM3771
Mo	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Mont	Gordon Armstrong	226-29th Ave, N., Seattle, Wash	EA2-6189
Mont	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	Arthur K Elliott Co	211 Westport Rd, Kansas City 11, Mo	LO1-9594
Nev	Ed Heim Radio & Electronics	1186 Wells Ave, Reno, Nev	FA2-1512
NH	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
NJ	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
NJ	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
NC	Hilker Co	Box 5211, Winston-Salem, NC	PA4-2084
ND	John Iverson Co	Minot, ND	
ND	Bristol Distributing Co	1345 Main Ave, Fargo, ND	
Ohio	Sid Levin	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	Nelson E Thomas & Associates	7825 Forshey St, New Orleans, La	AM3771
Ore	Donal Co	3139 S.W. Altadena Terr, Portland 19	CH6-3131
Pa	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Pa	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
RI	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
SC	Hilker Co	Box 5211, Winston-Salem, NC	PA4-2084
SD	Mayer Radio	511 St. Joe St, Rapid City, SD	
SD	Warren Supply Co	115 S. Indiana Ave, Sioux Falls, SD	
Tenn	Hilker Co	Box 5211, Winston-Salem, NC	PA4-2084
Tenn	Nelson E Thomas & Associates	7825 Forshey St, New Orleans, La	AM3771
Tex	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Tex	Nelson E Thomas & Associates	7825 Forshey St, New Orleans, La	AM3771
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Va	T S Eader III	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Wash	Donal Co	3139 S.W. Altadena Terr, Portland, Ore	CH6-3131
Wash	Gordon Armstrong	226 29th Ave, N., Seattle, Wash	EA2-6189
W. Va	Sid Levin	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wisc	William J Doyle Co	7002 N. Western Ave, Chicago, Ill	RO1-3130
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	Telesco International	36 W. 40th St, New York, NY	PA6-2165
Foreign	CESA	Merida No 176, Mexico 7, D F	14-14-52
	KAHL SCIENTIFIC INSTRUMENT CORP	**332 S. Highland, El Cajon, Cal**	
	KAHLE ENGINEERING CO	**3322 Hudson St, Union City, NJ**	
	KAHN & CO., INC	**885 Wells Rd, Wethersfield, Conn**	**JA9-8643**
Ala	Paul A Chapman & Associates	413 E. D St, Elizabethton, Tenn	LI2-6561
Ala	Chemical Quip Co	P.O. Box 2385, Pensacola, Fla	HE3-4692
Cal	Blair Martin Co., Inc	905 Mission St, S. Pasadena, Cal	MU2-2861
Fla	G F Morrison Jr & Associates	P.O. Box 53-155, Miami Shores, Fla	PL1-0293
Ga	Chemical Quip Co	Box 2385, Scenic Hwy, Pensacola, Fla	HE3-4692
La	Chemical Quip Co	Box 2385, Scenic Hwy, Pensacola, Fla	HE3-4692
La	Dean Collins	Brewster Bldg, Shreveport, La	
Miss	Chemical Quip Co	Box 2385, Scenic Hwy, Pensacola, Fla	HE3-4692
NJ	Geo M Birchall Co	P.O. Box 84, Westfield, NJ	AD2-3600
NY	Geo M Birchall Co	P.O. Box 84, Westfield, NJ	AD2-3600
NY	Lane Engineering Co	1807 Elmwood Ave, Buffalo, NY	RI9375
NC	Paul A Chapman & Associates	413 E. D St, Elizabethton, Tenn	LI2-6561
NC	Adams Engineering Co	1064 Clifton Rd, Atlanta, Ga	
Pa	Lane Engineering Co	1807 Elmwood Ave, Buffalo 7, NY	RI9375
SC	Adams Engineering Sales	P.O. Box 888, Decatur, Ga	DR7-1741
SC	Paul A Chapman & Associates	413 E. D St, Elizabethton, Tenn	LI2-6561
Tenn	Paul A Chapman & Associates	413 E. D St, Elizabethton, Tenn	LI2-6561
Tex	Dean Collins Co., Inc	6228 Trailwood Terr, Shreveport, La	ME1-0488
Tex	Rutherford Co	P.O. Box 19364, Houston, Tex	HO8-6133
Va	Paul A Chapman & Associates	413 E. D St, Elizabethton, Tenn	LI2-6561
	KAHN RESEARCH LABS INC	**81 S. Bergen Pl, Freeport, NY**	**FR9-8800**
Canada	Instronics Ltd	Stittsville, Ontario, Canada	TA8-1253
	KAISER AIRCRAFT & ELECTRONICS	**2222 W. Peoria Ave, Phoenix, Ariz**	**WI3-3431**
Cal	Warren Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
DC	Paul Cahan	1625 Eye St, N.W. Washington 25, DC	ST3-1555
	KANTHAL CORP	**17 Amelia Pl, Stamford, Conn**	**DA5-2206**
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	
Cal	Montgomery Brothers	1122 Howard St, San Francisco 3, Cal	
Conn	The John F Whitehead Co	P.O.Box 177, Monroe Bldg, Guilford, Conn	
Ill	Robert G Grandi	7633 S. Bennett St, Chicago, Ill	
NY	Thomas Ferguson	P.O.Box 3893, Rochester 10, NY	
NY	The Dana-Beach Co	101 Park Ave, New York 17, NY	
Ohio	The R A Staff Co	1213 W. Third St, Cleveland 13, Ohio	
Ore	Montgomery Brothers	1632 N.W. Johnson St, Portland 9, Ore	
Pa	William M Orr Co	N. Braddock St at Thomas Blvd, Pittsburgh 8	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Pa	George A Shelps	P.O.Box 254, Glenside, Pa
Tenn	G E Richter Jr	920 Chattanooga Bank Bldg, Chattanooga, Tenn
Wash	Montgomery Brothers	911 Western Ave, Seattle 4, Wash
	KARLSON ASSOCIATES INC	**433 Hempstead Ave, W. Hempstead, NY**
	KARG LABORATORIES INC	**30 Meadow St, S. Norwalk, Conn**
	KARP, LAWRENCE A	**Sewmill Rd, Greenwich, Conn** — **DA2-2280**
	KARTRON, INC	**Box 472, Huntington Beach, Cal**
	KATO ENGINEERING CO	**1415 First Ave, Mankato, Minn**
Cal	Richard T Puelicher	3151 E. Colorado Blvd, Pasadena, Cal
Mass	Roswell Engineering	955 Plain St, Marshfield, Mass
NY	Howard Smith	259 W. 14th St, New York, NY
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa
Tex	Lawrence Sales Co	P.O.Box 13027, Dallas 20, Tex
Wisc	Arthur Engineering	P.O.Box 2702, Milwaukee 19, Wisc
Canada	Acme Electric	50 Northline Rd, Toronto, Ontario & Quebec, Canada
Canada	Charles L Thompson Co	3093 Woodbine Dr, North Vancouver, BC, Canada
	KATOLIGHT CORP	**First Ave & Chestnut St, Mankato, Minn** — **7966**
Ala	Ivan Benson	P.O.Box 29, Decatur, Ga — DR8-7435
Alaska	Star Machinery Co	241 Lander St, Seattle 4, Wash — MA3-0760
Ariz	Central Station Equipment Co	2323 Aviation Hwy, Tucson, Ariz — MA3-2493
Ark	Hal Beard	173 S. Cooper St, Memphis, Tenn — BR4-1744
Colo	Earl E Pennington	12th & Shoshone, Denver 4, Colo — AL5-3920
Conn	Harold Buxton	R R I, S. Acton, Mass — CO3-4143
Del	Adley Corp	210 N. 6th St, Camden 2, NJ — WA3-1085
DC	Murray C Nelson	500 Kingston Rd, Baltimore 29, Md — WI5-8466
Fla	N J McNair	P.O.Box 417, Coral Gables, Fla
Ga	Ivan Benson	P.O.Box 29, Decatur, Ga — DR8-7435
Idaho	Star Machinery Co	241 Lander St, Seattle 4, Wash — MA3-2493
Ill	Alliance Products Co	4754 W. Washington Ave, Chicago 44, Ill — MA6-8454
Ind	Alliance Products Co	4754 W. Washington Ave, Chicago 44, Ill — MA6-8454
Iowa	Hicklin G M Diesel	5425 Second Ave, Des Moines, Iowa — AT8-9731
Kan	Hoover Equipment	1900 Linwood Blvd, Oklahoma City, Okla — CE6-3631
Me	Harold Buxton	R R I, South Acton, Mass — CO3-4143
Md	Murray C Nelson	500 Kingston Rd, Baltimore 29, Md — WI5-8466
Mass	Harold Buxton	R R I, South Acton, Mass — CO3-4143
Mich	Coffman Electric	3716 S. Division Ave, S.E., Grand Rapids — GL2-6482
Minn	Interstate G M Diesel	1313 S. Clover Dr, Minneapolis, Minn — UN6-8771
Miss	Hal Beard	173 S. Cooper St, Memphis 3, Tenn — BR4-1744
Mont	Star Machinery Co	241 Lander St, Seattle 4, Wash — MA3-0760
Neb	Hicklin G M Diesel	5425 Second Ave, Des Moines, Iowa — AT8-9731
NH	Harold Buxton	R R I, South Acton, Mass — CO3-4143
NJ	Adley Corp	210 N. Sixth St, Camden 2, NJ — WA3-1085
NM	Earl E Pennington	12th & Shoshone, Denver, Colo — AL5-3920
NY	Howard F Smith	259 W. 14th St, New York 11, NY — CH2-2398
NC	E T Green	P.O.Box 5034, Greensboro, NC — BR5-3775
ND	Interstate G M Diesel	1313 S. Clover Dr, Minneapolis, Minn — UN6-8771
Ohio	Luseo Power Equipment Co	23515 Westchester Dr, Cleveland 26, Ohio — RE4-1912
Okla	Hoover Equipment	1900 Linwood Blvd, Oklahoma City, Okla — CE6-3631
Ore	Star Machinery Co	241 Lander St, Seattle 4, Wash — MA3-0760
Pa	Adley Corp	210 N. 6th St, Camden 2, NJ — WA3-1085
Pa	Harvey E Rooker	Fairview Add-Mozart, Wheeling, W. Va — CE2-2245
RI	Harold Buxton	R R I, South Acton, Mass — CO3-4143
SC	E T Green	P.O.Box 5034, Greensboro, NC — BR5-3775
SD	Interstate G M Diesel	1313 S. Clover Dr, Minneapolis, Minn — UN6-8771
Tenn	Hal Beard	173 S. Cooper St, Memphis 3, Tenn — BR4-1744
Tex	Earl E Pennington	12th & Shoshone Sts, Denver, Colo — AL5-3920
Utah	Earl E Pennington	12th & Shoshone Sts, Denver, Colo — AL5-3920
Vt	Harold Buxton	R R I, South Acton, Mass — CO3-4143
Va	E T Green	P.O.Box 5034, Greensboro, NC — BR5-3775
Wash	Star Machinery Co	241 Lander St, Seattle 4, Wash — MA3-0760
W. Va	Harvey E. Rooker	Fairview Add-Mozart, Wheeling, W. Va — CE2-2245
Wisc	Milwaukee Engine & Equipment Co	3125 N. 136th St, Brookfield, Wisc — SU2-4545
Foreign	Sillcox Associates Inc	259 W. 14th St, New York 11, NY — CH2-2398
	KAUKE & CO	**1632 Euclid St, Santa Monica, Cal** — **EX5-5246**
Ala	Medco Inc	P.O. Box 216, Melbourne, Fla — PA3-7016
Cal	Jay Stone & Associates	P.O. Box 583, Sunnyvale, Cal — YO8-2770
Fla	Medco Inc	P.O. Box 216, Melbourne, Fla — PA3-7016
Ga	Medco Inc	P.O. Box 216, Melbourne, Fla — PA3-7016
Kan	Industrial Associated Electronics Inc	P.O. Box 8068, Ft. Worth, Tex — JE1-1132
NM	Industrial Associated Electronics Inc	P.O. Box 8068, Ft. Worth, Tex — JE1-1132
Okla	Industrial Associated Electronics Inc	P.O. Box 8068, Ft. Worth, Tex — JE1-1132
Tex	Industrial Associated Electronics Inc	P.O. Box 8068, Ft. Worth, Tex — JE1-1132
	KAUPP & SONS, C B	**32 Newark Way, Maplewood, NJ** — **SO3-2490**
	KAY ELECTRIC CO	**Maple Ave, Pine Brook, NJ** — **CA6-4000**
Cal	Kay Electric Co	P.O. Box 604, Garden Grove, Cal — JE7-1373
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Cal — PA5-6824
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass — BE2-4804
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich — BR3-2900
Ohio	S Sterling Co	363 W. First St, Dayton 2, Ohio — BA6-8794
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, — HI2-8080
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa — TU4-5515
Wash	ARVA	1320 Prospect St, Seattle 9, — MA2-0177
Canada	Mel Sales Ltd	1969 Avenue Rd, Toronto 12, Ont — HU1-0231
	KAYDON ENGINEERING CORP	**Muskegon, Mich** — **PL5-3741**
	KAY-TOWNS ANTENNA CO	**1513 Dean Ave, Rome, Ga** — **4-2631**
	KEARFOTT DIV GENERAL PRECISION INC	**Little Falls, NJ** — **CL6-4000**
Ariz	Kearfott	4231 N. 31st St, Phoenix, Ariz
Ark	Kearfott	23 W. Calendar Ave, La Grange, Ill
Cal	Kearfott	8921 Sepulveda Blvd, Los Angeles, Cal
Cal	Kearfott	7440 Girard Ave, La Jolla, Cal
Cal	Kearfott	991 Commercial St, Palo Alto, Cal
Cal	Kearfott	253 N. Vinedo Ave, Pasadena, Cal
Colo	Kearfott	23 W. Calendar Ave, La Grange, Ill
DC	Kearfott	777-14th St, N.W. Washington, DC
Hawaii	Kearfott	253 N. Vinedo Ave, Pasadena, Cal
Idaho	Kearfott	3466 E. Marginal Way, Seattle, Wash
Ill	Kearfott	23 W. Calendar Ave, La Grange, Ill
Ind	Kearfott	23 W. Calendar Ave, La Grange, Ill
Iowa	Kearfott	23 W. Calendar Ave, La Grange, Ill
Kan	Kearfott	23 W. Calendar Ave, La Grange, Ill
Me	Kearfott	336 Main St, Cambridge, Mass
Mass	Kearfott	336 Main St, Cambridge, Mass
Mich	Kearfott	23 W. Calendar Ave, La Grange, Ill
Minn	Kearfott	23 W. Calendar Ave, La Grange, Ill
Mo	Kearfott	23 W. Calendar Ave, La Grange, Ill
Mont	Kearfott	3466 E. Marginal Way, Seattle, Wash
Neb	Kearfott	23 W. Calendar Ave, La Grange, Ill
Nev	Kearfott	3466 E. Marginal Way, Seattle, Wash
NH	Kearfott	336 Main St, Cambridge, Mass
NM	Kearfott	4231 N. 31st St, Phoenix, Ariz
ND	Kearfott	3466 E. Marginal Way, Seattle, Wash
Okla	Kearfott	23 W. Calendar Ave, La Grange, Ill
Ore	Kearfott	3466 E. Marginal Way, Seattle
RI	Kearfott	336 Main St, Cambridge, Mass
SD	Kearfott	3466 E. Marginal Way, Seattle, Wash
Tex	Kearfott	6211 Denton Dr, Dallas, Tex
Utah	Kearfott	4231 N. 31st St, Phoenix, Ariz
Vt	Kearfott	336 Main St, Cambridge, Mass
Wash	Kearfott	3466 E. Marginal Way, Seattle, Wash
Wisc	Kearfott	23 W. Calendar Ave, La Grange, Ill
Wyo	Kearfott	3466 E. Marginal Way, Seattle, Wash
	KEARFOTT DIV OF GENERAL PRECISION INC MICROWAVE PRODUCTS	**14844 Oxnard St, Van Nuys, Cal** — **ST6-1760**
Ala	R M Brunson & Associates Inc	7440 Girard Ave, LaJolla, Cal — GL4-0794
Ariz	Carter Associates	217 S. Hinton Rd, Scottsdale, Ariz — WH5-3611
Ariz	Kearfott Div	30 Pima Plaza, Scottsdale, Ariz — WH6-4341
Cal	Kearfott Div	991 Commercial St, Palo Alto, Cal — DA6-3010
Cal	Kearfott Div	253 N. Vinedo Ave, Pasadena, Cal — SY5-7271
Ill	Kearfott Div	23 W. Calendar Ave, LaGrange, Ill — FL2-6800
NJ	Kearfott Div	1378 Main Ave, Clifton, NJ — GR2-1000
Ohio	Kearfott Div	333 W. First St, Dayton, Ohio — BA4-7214
Tex	Kearfott Div	6211 Denton Dr, Dallas, Tex — FL2-5747
Wash	Kearfott Div	3466 E. Marginal Way, Seattle, Wash — ML2-9390
	KEDMAN CO	**233 S. 5th West, Salt Lake City 1, Utah** — **EM3-8869**
	KEES MFG CO., F D	**702 Park St, Beatrice, Neb** — **CA3-2391**
	KEIL ENGRG PRODUCTS INC	**6833 Manchester Ave, St. Louis 10, Mo** — **ST1-3209**
Cal	Charles Hansen	1406 S. Grand Ave, Los Angeles 15, Cal — RI8-6191
Ind	Thomas-Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind
Mo	Norman W Kathrinus & Co	1409 Southwest Blvd, Kansas City 3, Mo — JO2-4108
Pa	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa — LO1-5067
Foreign	John C Hill Co	549 W. Washington Blvd, Chicago 6, Ill — AN3-6420
	KEISERS INDUSTRIES INC	**Lomax St, Mt. Holly Springs, Pa** — **HU6-3611**
	KEITHLEY INSTRUMENTS INC	**12415 Euclid Ave, Cleveland 6, Ohio** — **SW5-2666**
Ala	Bivins & Caldwell Inc	Huntsville, Ala — JE2-5733
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles 1, Cal — WE8-2073
Cal	T Louis Snitzer Co	510 S. Mathilda Ave, San Francisco, Cal — RE6-6733
Cal	T Louis Snitzer Co	7814 Ivanhoe, LaJolla, San Diego, Cal — GL4-2191
Colo	Hytronic Measurements Inc	1295 Bannock St, Denver, Colo — PE3-3701
DC	Keithley Instruments Inc	5817 Baltimore Ave, Riverdale, Md — AP7-5111
Fla	Bivins & Caldwell Inc	P.O. Box 7942, Orlando, Fla — CH1-1091
Ga	Bivins & Caldwell Inc	3133 Maple Dr, Atlanta, Ga — CE3-7522
Idaho	Rush Drake Associates	P.O. Box 2126, Idaho Falls, Idaho — JA2-7992
Ill	Robert L Lang & Associates	6733 N. Olmsted Ave, Chicago, Ill — SP4-3610
Mass	Keithley Instruments Inc	30 Shawsheen Rd, Bedford, Boston, Mass — CR4-7297
Minn	Pinkney & Hine Co	1925 Nicollet Ave, Minneapolis, Minn — FE8-0523
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo — VO3-3660
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo — JE1-7765
NM	Hytronic Measurements Inc	211 Sierra, S.E., Albuquerque, NM — AL5-0669
NY	Keithley Instruments Inc	2 Godwin Ave, Ridgewood, NJ — GI4-7242
NC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC — 2-6873
Tex	T W Ecklund	P.O. Box 12151, Ft. Worth, Tex — PE8-9773
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City, Utah — IN6-4924
Va	Bivins & Caldwell Inc	P.O. Box 6514, Richmond, Va — EL5-7931
Wash	Rush Drake Associates	1817 Norman St, Seattle, Wash — EA3-8545
	KELK LTD., GEORGE	**5 Lesmill Rd, Don Mills, Ontario, Canada**
	KELLER JR, HUGO JEWELS	**50 E. 42 St, New York 17, NY** — **MU2-8450**
	KELLER PRODUCTS CO	**41 Union St, Manchester, NH** — **NA7-7887**
	KELLOGG SWITCHBOARD & SUPPLY CO	**6650 S. Cicero Ave, Chicago 38, Ill** — **PO7-6900**
Cal	Kellogg Switch & Supply Co	23 Broderick Rd, Burlingame, Cal — OX7-5780
Ga	Kellog Switch & Supply Co	1594 Southland Circle, Atlanta 18, Ga — SY4-2441
Ill	Kellogg Switch & Supply Co	4600 S. Tripp Ave, Chicago 32, Ill — CL4-4300
Kan	Kellogg Switch & Supply Co	7th Sunshine Rd, Kansas City 15, Kan — VA1-4418
NY	Kellogg Switch & Supply Co	327 N. West St, Syracuse 4, NY — HA2-9251
Tex	Kellogg Switch & Supply Co	1359 Motor St, Dallas 7, Tex — RI7-5191
	KELVIN ELECTRIC CO	**5907 Noble Ave, Van Nuys, Cal** — **ST2-6662**
Cal	M. W. Riedel & Co	316 E. Valley Blvd, Alhambra Cal — CU3-7694
Cal	Jerry Deere	1575 Laurel St, Suite 3, San Carlos, Cal — LY1-4423
Fla	Benz Sales Co	P. O. Box 178, N. Miami Beach, Fla — FR4-1391
Ill	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago, Ill — SP4-4174
Mass	Associated Electronics Inc	525 Pleasant St, Worcester, Mass — PL3-8187
Mo	Zak-Cowen & Associates, Inc	7730 Carondelet, Suite 314, St. Louis, Mo — PA7-8559
Tex	Southwest Electronic Industries	The Meadows Building, Dallas, Tex — EM3-1671
Utah	Missiles Accessories Corp	458 S. 3rd St, Salt Lake City, Utah — DA8-0329
Canada	Conway Electron Enterprises	1514 Eglinton Ave W., Toronto, Ont — RW3-6576
	KEMLITE LABORATORIES INC	**1819 W.Grand Ave, Chicago 22, Ill** — **TA9-6050**
	KEMTRON ELECTRON PRODUCTS INC	**5 Prince Pl, Newburyport, Mass** — **HO2-4464**
	KENCO MFG CO	**5211 Telegraph Rd, L A 2, Cal** — **AN8-1201**
	KENN EQUIPMENT CO	**16-18 S. Marshall St, Philadelphia 6, Pa**
	KENNAMETAL INC	**Lloyd Ave, Latrobe, Pa** — **KE7-3311**
Ala	Abrasive & Tooling Specialists, Inc	4245 Morris Ave, Birmingham 12, Ala — LY2-4381
Ariz	Kennametal Inc	4585 Pacific Blvd, Los Angeles 58, Cal — LU3-2191
Ark	Engineering Sales Co	118 Parkhouse, Dallas 7, Tex — RI8-9015
Cal	Kennametal Inc	4585 Pacific Blvd, Los Angeles 58, Cal — LU3-2191
Cal	Kennametal Inc	4095 19th Ave, San Francisco 27, Cal — DE3-9704
Colo	Richard P. Carr	P.O. Box 8025, Denver, Colo — AC2-8304
Conn	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks, Conn — NA3-3369
Del	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
DC (Wash)	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
Fla	Tool Associates, Inc	P.O. Box 763, Lake Worth, Fla — JU5-5591
Ga	Abrasive & Tooling Specialists, Inc	4245 Morris Ave, Birmingham 12, Ala — LY2-4381
Hawaii	Chapson Bros. Ltd	863 Halekauwila St, Honolulu 13, Hawaii — 57-306
Idaho	Lindsay Bros	1504 N.W. Johnson St, Portland 9, Ore — CA7-6363
Ill	Kennametal Inc	5830 W. 26th St, Chicago 50, Ill — BI2-2420
Ill	Edison P. Weiland	6976 Chippewa St, St. Louis 9, Mo — FL1-1612
Ind	Kennametal Inc	5830 W. 26th St, Chicago 50, Ill — BI2-2420
Ind	Kennametal Inc	3400 N. Meridian St, Indianapolis 8, Ind — WA5-6427
Iowa	Kennametal Inc	3400 N. Meridian St, Indianapolis 8, Ind — WA5-6427
Iowa	Kennametal Inc	744 N. 4th St, Milwaukee 3, Wis — BR6-0768
Kan	Robert W. Hoffman	P.O. Box 1081, Kansas City 41, Mo — VA1-7134
Ky	Kennametal Inc	7620 Reinhold Dr, Cincinnati 37, Ohio — PO1-1407
Ky	Edison P. Weiland	6976 Chippewa St, St. Louis 9, Mo — FL1-1612
La	Dixie Mill Supply Co	901-909 Tchoupitoulas St, New Orlns — RA-6101
Me	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks, Conn — NA3-3369
Md	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
Mass	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks, Conn — NA3-3369
Mich	Kennametal Inc	10201 Capitol Ave, Detroit 37, Mich — JO6-3183
Mich	Kennametal Inc	744 N. 4th St, Milwaukee 3, Wis — BR6-0768
Minn	Earl C. Beckman	6733 Humboldt Ave, S., Mnpls 23, Minn — UN9-0302
Miss	Abrasive & Tooling Specialists, Inc	4245 Morris Ave, Birmingham 12, Ala — LY2-4381
Mo	Robert S. Hoffman	P.O. Box 1081, Kansas City 41, Mo — VA1-7134
Mo	Edison P. Weiland	6976 Chippewa St, St. Louis 9, Mo — FL1-1612
Mont	Capitol City Steel Co	324 W. 8th S., Salt Lake City, Utah — DA2-3533
Mont	Lindsay Bros	1504 N.W. Johnson St, Portland 9, Ore — CA7-6363
Neb	Robert W. Hoffman	P.O. Box 1081, Kansas City 41, Mo — VA1-7134
Nev	Kennametal Inc	4585 Pacific Blvd, Los Angeles 58, Cal — LU3-2191
Nev	Capitol City Steel Co	324 W. 8th S., Salt Lake City, Utah — DA2-3533
NH	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks Conn — NA3-3369
NJ	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
NM	Richard P. Carr	P.O. Box 8025, Denver, Colo — AC2-8304
NY	Walter E. Enstrom	31 Moeller St, Buffalo 11, NY — TA6951
NY	Leonard R. Arnold	109 S. Warren St, Syracuse 2, NY — GR1-1221
NY	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
NC	Richard B. Rowe	5422 Wintercrest Ln, Charlotte, NC — FR6-6132
ND	Earl C. Beckman	6733 Humboldt Ave, S., Mnpls 23, Minn — UN9-0302
Ohio	Kennametal Inc	7620 Reinhold Dr, Cincinnati 37, Ohio — PO1-1407
Ohio	Kennametal Inc	4610 Belcher Rd, Willoughby, Ohio — WH2-8800
Ohio	Kennametal Inc	10201 Capital Ave, Detroit 37, Mich — JO6-3183
Okla	Kennametal Inc	726 W. Grand, Oklahoma City 1, Okla — RE9-2541
Ore	Lindsay Bros	1504 N.W. Johnson St, Portland 9, Ore — CA7-6363
Pa	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
Pa	Kennametal Inc	600 Grant St, Room 802, Pittsburgh, Pa — AT1-4543
RI	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks, Conn — NA3-3369
SC	Richard B. Rowe	5422 Wintercrest Ln, Charlotte, NC — FR6-6132
SD	Earl C. Beckman	6733 Humboldt Ave, S., Mnpls 23, Minn — UN9-0302
Tenn	Edison P. Weiland	6976 Chippewa St, St. Louis 9, Mo — FL1-1612
Tex	Engineering Sales Co	5949 Armour Dr, Houston, Tex — WA6-8858
Tex	Engineering Sales Co	118 Parkhouse, Dallas 7, Tex — RI8-9015
Utah	Capitol City Steel Co	324 W. 8th S., Salt Lake City, Utah — DA2-3533
Vt	Kennametal Inc	523 Half Way Hse Rd, Windsor Locks, Conn — NA3-3369
Va	Kennametal Inc	3701 N. Broad St, Philadelphia 40, Pa — BA9-3442
Wash	Campbell Industrial Supply Co	3433 Airport Way & Spokane St, Seattle 4 — MA2-5567
W. Va	Kennametal Inc	600 Grant St, Rm 802, Pittsburgh 19, Pa — AT1-4543
W. Va	Kennametal Inc	7620 Reinhold Dr, Cincinnati 37, Ohio — PO1-1407
Wisc	Kennametal Inc	744 N. 4th St, Milwaukee 3, Wis — BR6-0768
Wyo	Richard P. Carr	P.O. Box 8025, Denver, Colo — AC2-8304
Wyo	Capitol City Steel Co	324 W. 8th S., Salt Lake City, Utah — DA2-3533
Foreign	Kennametal Overseas Corp	P.O. Box 468, Latrobe, Pa — KE7-3311
	KENNEDY & CO., D S	**Cohasset, Mass** — **EV3-1200**
	KENNEDY INDUSTRIES	**1581 E. Charles St, Banning, Cal** — **Y19-4721**
	KENT CORP., F C	**135 Manchester Pl, Newark 4, NJ** — **PL9-0200**
Cal	Manufacturing Assoc	1416 Westwood Blvd, Los Angeles 24
Conn	John F Whitehead Co	Guilford, Conn
Mich	H T G Engineering Sales	28535 Wildwood Trail, Farmington, Mich — GL4-8800
Pa	Baron Associates	Presidential A-710, Philadelphia 31, Pa — TR7-4605
	KENWOOD ENGINEERING CO., INC	**265 Colfax Ave, Kenilworth, NJ** — **CH5-0100**
Ala	Earl K Moore Co	5864 Louisville St, New Orleans, La
Conn	Paul W Nief Associates	15 Oak St, Westport, Conn — CA7-3834
Del	J F Anderson Co	300 Belle View Blvd, Alexandria, Va
DC	J F Anderson Co	300 Belle View Blvd, Alexandria, Va

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	Earl K Moore Co	5864 Louisville St, New Orleans, La	
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu, Hawaii	
Idaho	Walter N Alfonse Co	8915 N.E. Prescott St, Portland, Ore	TR3636
Ill	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago, Ill	UP8-3313
La	Earl K Moore Co	5864 Louisville St, New Orleans, La	
Me	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Md	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
Mass	Paul W Nief Associates	15 Oak St, W. Port, Conn	CA7-3834
Miss	Earl K Moore Co	5864 Louisville St, New Orleans, La	
Mont	Walter N Alfonse Co	8915 N.E. Prescott St, Portland, Oregon	TR3636
NH	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
NJ	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
NJ	Kubrick & Yurman	475 S. Franklin St, Hempstead, NJ	IV3-7230
NY	Art Hess Associates	6209 68th Ave, Glendale, NY	HY7-7498
NY	Kubrick & Yurman	475 S. Franklin St, Hempstead, NY	IV3-7230
Ohio	Robert W Peters Co	350 E. 215th St, Cleveland, Ohio	RE1-9428
Ore	Walter N Alfonse Co	8915 N.E. Prescott St, Portland, Oregon	TR3636
Pa	Robert W Peters Co	350 E. 215th St, Cleve, Ohio	RE1-9428
Pa	E L Park	651 Paddock Rd, Southampton, Pa	
RI	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Vt	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Va	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	
Wash	Walter N Alfonse Co	8915 N.E. Prescott St, Portland, Oregon	TR3636
W Va.	Robert W Peters Co	350 E. 215th St, Cleveland, Ohio	RE1-9428
Wisc	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago, Ill	UP8-3313
	KENYON TRANSFORMER CO., INC	**1857 Summit Ave, Jersey City 7, NJ**	**OL6-1100**
Ala	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Fla	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Ga	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Md	Adolph Schwartz	15 Exchange Pl, Jersey City, NJ	DE3-2424
Miss	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
NJ	Adolph Schwartz	15 Exchange Pl, Jersey City, NJ	DE3-2424
NY	Adolph Schwartz	15 Exchange Pl, Jersey City, NJ	DE3-2424
Ohio	G B H Sales Co	P.O. Box 416, Cincinnati 37, Ohio	
Pa	Adolph Schwartz	15 Exchange Pl, Jersey City, NJ	DE3-2424
SC	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Tenn	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Va	Adolph Schwartz	15 Exchange Pl, Jersey City, NJ	DE3-2424
Foreign	M Simons & Son Co., Inc	23-25 Warren St, New York 17, NY	BA7-5513
	KEPCO INC	**131-38 Sanford Ave, Flushing 55, NY**	**IN1-7000**
Ala	S S Lee Associates Inc	Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Cal	V T Rupp Co	3445 Fifth Ave, San Diego, Cal	CY8-9835
Cal	V T Rupp Co	1182 Los Altos Ave, Los Altos, Cal	WH8-1483
Cal	V T Rupp Co	307 Parkman Ave, Los Angeles, Cal	DU7-8224
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
Fla	S S Lee Associates Inc	P.O. Box 7896, Orlando, Fla	GA3-6566
Ill	Robert L Lang & Associates	6733 N. Olmstead Ave, Chicago, Ill	SP4-3610
Kan	Norman W Kathrinus & Co	4306 Cambridge Ave, Kansas City, Kan	JO2-4108
Md	S S Lee Associates Inc	P.O. Box 205, Lutherville, Md	VA3-3434
Mass	Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1008
Mich	Gaine Engineering	1474 E. Outer Dr, Detroit, Mich	FO6-5353
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
NM	V T Rupp Co	1437 San Mateo Blvd, S.E., Albuquerque	AL6-0798
NC	S S Lee Associates Inc	P.O. Box 906, Winston Salem, NC	ST8-0431
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7290
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	LA6-8735
Wash	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
	KERRCO	**Box 4178, Havelock Sta, Lincoln 7, Neb**	**IV6-5105**
Ark	Panaloy Co	1627 Main, Kansas City 8, Mo	
Conn	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
DC	Valley Electronics	1735 E. Joppa Rd, Towson 4, Md	
Idaho	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
Ill	Harry D De Lion Co	1907 Seventh Ave, Moline, Ill	
Ill	Gordon Fixman Eng Co	8160 Stanford Ave, St. Louis 24, Mo	
Ind	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	
Iowa	Harry D De Lion Co	1907 Seventh Ave, Moline, Ill	
Kan	Panaloy Co	1627 Main, Kansas City 8, Mo	
Me	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
Md	Valley Electronics	1735 E. Joppa Rd, Towson 4, Md	
Mass	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
Mo	Panaloy Co	1627 Main, Kansas City 8, Mo	
Mo	Gordon Fixman Eng Co	8160 Stanford Ave, St. Louis 24, Mo	
La	J Earl Smith Co	Box 35331, Airlawn Sta, Dallas 35, Tex	
Mont	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	
NH	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
NJ	George A Shelps	1625 Spruce, Philadelphia 3, Pa	
Okla	Panaloy Co	1627 Main, Kansas City 8, Mo	
Ore	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	
Pa	George A Shelps	1625 Spruce, Philadelphia 3, Pa	
RI	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
Tex	J Earl Smith Co	Box 35331, Airlawn Sta, Dallas 35, Tex	
Vt	Arthur E Akeroyd Co	2311 John Hancock Bldg, Boston, Mass	
Va	Valley Electronics	1735 E. Joppa Rd, Towson 4, Md	
Wash	Dale G Weber Cp	8 S.E. Clay St, Portland 14, Ore	
Wisc	Sparks Co	906 E. Center St, Milwaukee 12, Wisc	
	KERRIGAN LEWIS MFG CO	**4421 W. Rice St, Chicago 51, Ill**	**SD2-7208**
Ill	Albert H Bruning Co	1758 W. Lawrence Ave, Chicago 40, Ill	ED4-0989
	KESTER SOLDER CO	**4201 Wrightwood Ave, Chicago 39, Ill**	**BE5-1601**
Ala	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Alaska	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Ariz	L M Skelton	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Ark	J F Martin	1603 Troost St, Tulsa 20, Okla	LU4-1166
Cal	L M Skelton	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Colo	Lawrence Striver Co	1213 Fairfax, Denver 20, Colo	DE2115
Conn	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
Del	G L Fischer Jr	1230 Knox Rd, Wynnewood, Pa	MI2-1118
DC	G L Fischer Jr	1230 Knox Rd, Wynnewood, Pa	MI2-1118
Fla	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Ga	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Hawaii	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Idaho	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Iowa	E J Geary	10301 E. 36th Terr, Independence, Mo	FL3-5140
Kan	E J Geary	10301 E. 36th Terr, Independence, Mo	FL3-5140
Ky	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
La	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Me	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
Md	G L Fischer Jr	1230 Knox Rd, Wynnewood, Pa	MI2-1118
Mass	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
Mich	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
Minn	Wm K Nelson Co	807-13th Ave, S., Minneapolis 4, Minn	FE3-5301
Miss	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4791
Mo	E J Geary	10301 E. 36th Terr, Independence, Mo	FL3-5140
Mont	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Neb	E J Geary	10301 E. 36th Terr, Independence, Mo	FL3-5140
Nev	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
NH	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
NJ	Thomas Sellaro	88 Ferguson St, Newark 5, NJ	MI2-0246
NM	L M Skelton	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
NY	E Garfield	88 Ferguson St, Newark 5, NJ	MI2-0246
NC	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
ND	Wm K Nelson Co	807-13th Ave, S., Minneapolis 4, Minn	FE3-5301
Ohio	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
Okla	J F Martin	1603 Troost St, Tulsa 20, Okla	LU4-1166
Ore	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Pa	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
Pa	G L Fischer Jr	1230 Knox Rd, Wynnewood, Pa	MI2-1118
RI	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
SC	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
SD	Wm K Nelson Co	807-13th Ave, S., Minneapolis 4, Minn	FE3-5301
Tenn	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Tex	J F Martin	1603 Troost St, Tulsa 20, Okla	LU4-1166
Utah	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Vt	Emery B Hatch Co	43 Upham St, Melrose 76, Mass	ME4-0055
Va	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Wash	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
W.Va	Gardner & Meredith	424 Georgia Ave, Chattanooga 3, Tenn	AM7-4971
Wyo	Kester Solder Co	913 Orangethorpe Park, Anaheim, Cal	TR1-0280
Foreign	R E Kilpatrick	4201 Wrightwood Ave, Chicago 39, Ill	BE5-1601
	KETAY DEPT - NORDEN DIV UNITED AIRCRAFT CORP	**Jericho Tnpk, Commack, NY**	**FO8-5500**
Ala	J Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	Western Engineering Co	8925 N. 17th Ave, Phoenix, Ariz	WI4-0431
Ark	Robert Nesbitt Co	1925 Cedar Springs, Dallas, Tex	RI7-4145
Cal	Norden Div United Aircraft Corp	10920 Wilshire Blvd, Los Angeles, Cal	BR2-9523
Colo	Western Engineering Co	829-15th St, Denver, Colo	AM6-2714
Conn	G S Bedworth	Deer Run Rd, Woodbridge, New Haven,	TR5-0323
Del	United Aircraft Corp	425-13th St, Washington, DC	WE8-6432
DC	United Aircraft Corp	425-13th St, Washington, DC	WE8-6432
Fla	Herbert H Gentry	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR5-7291
Idaho	Western Engineering Co	8925 N. 17th Ave, Phoenix, Ariz	WI4-0431
Ill	John G Twist Co	5232 W. Diversey St, Chicago, Ill	SP7-2250
Ind	Norden Div United Aircraft Corp	11 W. Monument, Dayton, Ohio	BA8-4481
Iowa	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Kan	Wayne Simpson	8325 E. Indianapolis, Wichita, Kan	MU3-3751
La	Robert Nesbitt Co	1925 Cedar Springs, Dallas, Tex	RI7-4145
Me	G S Bedworth	Deer Run Rd, New Haven, Conn	TR5-0323
Md	United Aircraft Corp	425-13th St, Washington, DC	WE8-6432
Mass	G S Bedworth	Deer Run Rd, New Haven, Conn	TR5-0323
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit, Mich	BR3-5390
Minn	Merrill Franklin Co	338 E. Franklin, Minneapolis, Minn	FE6-2315
Miss	J Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mont	Western Engineering Co	829-15th St, Denver, Colo	AM6-2714
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	Western Engineering Co	829-15th St, Denver, Colo	AM6-2714
NH	G S Bedworth	Deer Run Rd, New Haven, Conn	TR5-0323
NJ	G T Muldoon	P.O. 686, W. Caldwell, NJ	CA8-0035
NM	Jerry Fisher Western Engineering Co	8925 N. 17th Ave, Phoenix, Ariz	WI4-0431
NY	C M Donnelly	304 Fay Rd, Syracuse, NY	HO8-0874
NY	Hal Ross	570 Surrey Pl, Oceanside, NY	OR8-4155
NY	Andrew Torigian	2272 Webster Ave, Bronx, NY	FO5-9206
NC	M J McDonald	2831 S. Main St, Winston Salem, NC	PA3-3281
ND	Merrill Franklin Co	338 E. Franklin, Minneapolis, Minn	FE6-2315
Ohio	Norden Div United Aircraft Corp	11 W. Monument, Dayton, Ohio	BA8-4481
Okla	Robert Nesbitt Co	1925 Cedar Springs, Dallas, Tex	RI7-4145
Ore	Richard Vander Meulen	19805 Merribrook Crt, Saratoga, Cal	CH8-5949
Pa	G T Muldoon	P.O. Box 686, W. Caldwell, NJ	CA8-0035
RI	G S Bedworth	Deer Run Rd, New Haven, Conn	TR5-0323
SC	M J McDonald	2831 S. Main St, Winston Salem, NC	PA3-3281
SD	Merrill Franklin Co	338 E. Franklin, Minneapolis, Minn	FE6-2315
Tenn	M J McDonald	2831 S. Main St, Winston Salem, NC	PA3-3281
Tenn	J Emory Lane	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Tex	Robert Nesbitt Co	1925 Cedar Springs, Dallas, Tex	RI7-4145
Utah	Western Engineering Co	8925 N. 17th Ave, Phoenix, Ariz	WI4-0431
Vt	G S Bedworth	Deer Run Rd, New Haven, Conn	TR5-0323
Va	G T Muldoon	P.O. Box 686, W. Caldwell, NJ	CA8-0035
Wash	Richard Vander Meulen	19805 Merribrook Crt, Saratoga, Cal	CH8-5949
W.Va	G T Muldoon	P.O. Box 686, W. Caldwell, NJ	CA8-0035
Wisc	John G Twist Co	5232 W. Diversey St, Chicago, Ill	SP7-2250
Wyo	Western Engineering Co	829-15th St, Denver, Colo	AM6-2714
Canada	Pratt & Whitney Aircraft Co Ltd	Jacques Cartier, Quebec, Canada	OR4-4941
Foreign	United Aircraft Export Corp	3/5 Warwick House St, London S.W.1, England	
	KEUFFEL & ESSER CO	**Hoboken, NJ**	
	KEY RESISTOR CORP	**321 Redondo Beach Blvd, Gardena, Cal**	**DA3-5000**
Ariz	Pacific-Electro Sales Inc	6053-1/2 Whittier Blvd, L A 22, Cal	RA3-3396
Cal	Pacific-Electro Sales Inc	6053-1/2 Whittier Blvd, L A 22, Cal	RA3-3396
Cal	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Colo	Allen I Williams Co	2236 S. Albion, Denver, Colo	SK6-9403
Colo	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
Conn	Geist-Hotz Inc	200 5th, Stamford, Conn	
DC	Valley Electronics	1735 E. Joppa Rd, Towson, Md	VA5-7820
Ill	Withers-Ropek	5439 W. Division St, Chicago 51, Ill	AU7-7292
Ind	Withers-Ropek	5439 W. Division St, Chicago 51, Ill	AU7-7292
Iowa	Withers-Ropek	5439 W. Division St, Chicago 51, Ill	AU7-7292
Kan	Daseca	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Me	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Mass	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Bill Bartelson Co	330 Oak Grove, Minneapolis, Minn	FE3-6709
Mo	Daseca	7603 Forsyth Blvd, St. Louis 5, Mo	PA1-6403
Nev	Pacific-Electro Sales Inc	6053-1/2 Whittier Blvd, L A 22, Cal	RA3-3396
NH	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	
NJ	Kenneth E Hughes Co	4806 Bergenline Ave, Union City, NJ	UN7-3204
NM	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	Kenneth E Hughes Co	4806 Bergenline Ave, Union City, NJ	UN7-3204
NY	Kenneth E Hughes Co	324 Booklea Dr, Fayetteville, NY	ME7-9531
Okla	T J Ray Co	P.O. Box 5417, Tulsa 4, Okla	WE6-7707
Pa	Kenneth E Hughes Co	108 N. 33rd St, Philadelphia, Pa	EV6-3130
RI	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	
Vt	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	
Wisc	Bill Bartelson Co	330 Oak Grove, Minneapolis, Minn	FE3-6709
Wisc	Withers-Ropek	5439 W. Division St, Chicago 51, Ill	AU7-7292
	KEYSTONE BOLT & NUT CORP	**127 Church St, New York 7, NY**	**WO4-4600**
	KEYSTONE CARBON CO., RESISTOR DIV	**St. Marys, Pa**	**TE4-1591**
Ariz	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood 28, Cal	HO9-6278
Cal	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood 28, Cal	HO9-6278
Conn	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Mass	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
NH	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
Ohio	R A Leitch	17112 Pearldale Ave, Cleveland 35, Ohio	WI1-6325
	KEYSTONE ELECTRONICS CO	**65 7th Ave, Newark, NJ**	**HU3-0630**
Ariz	Lawrence-Coleman Associates	5216 W. Pico Blvd, Los Angeles 19, Cal	WE6-3233
Cal	Lawrence-Coleman Associates	5216 W. Pico Blvd, Los Angeles 19, Cal	WE6-3233
Conn	Eltron Engineering	2345 Whitney Ave, Hamden 18, Conn	AT8-9276
Del	Harry J White Co	121 Greenbrier Ave, Towson 4, Md	VA3-6184
DC	Harry J White Co	121 Greenbrier Ave, Towson 4, Md	VA3-6184
Ill	J Goode Associates	325 W. Huron St, Chicago 10, Ill	MI2-2022
Ind	J Goode Associates	325 W. Huron St, Chicago 10, Ill	MI2-2022
Iowa	J Goode Associates	325 W. Huron St, Chicago 10, Ill	MI2-2022
Me	Eltron Engineering	246 Walnut St, Newtonville, Mass	DE2-6975
Md	Harry J White Co	121 Greenbrier Ave, Towson 4, Md	VA3-6184
Mass	Eltron Engineering	246 Walnut St, Newtonville, Mass	DE2-6975
NH	Eltron Engineering	246 Walnut St, Newtonville, Mass	DE2-6975
NJ	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2034
NY	Hecht Electronics	31 Snapdragon Ln, Rosyln Heights, NY	MA1-8462
Pa	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2034
RI	Eltron Engineering	2345 Whitney Ave, Hamden 18, Conn	AT8-9276
Vt	Eltron Engineering	246 Walnut St, Newtonville, Mass	DE2-6975
Wisc	J E Goode Sales Co	325 Huron St, Chicago 10, Ill	MI2-2022
	KEYSTONE ELECTRONICS CORP	**49 Bleecker St, New York 12, NY**	**GR5-4600**
Cal	R DelBucchia & Associates	179 S. Mayfair Ave, Daly City, Cal	PL6-8414
Cal	R L Stone Sales Co	8971 National Blvd, Los Angeles, Cal	TE0-5973
Colo	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
Conn	All-Tronic Sales Association	165 E. Main St, Marlboro, Mass	HY3-6307
Del	Dave Linz	238 Shelmire St, Philadelphia, Pa	ES9-0734
DC	Dave Linz	238 Shelmire St, Philadelphia, Pa	ES9-0734
Fla	T J Sharaf	910 Van Buren St, Hollywood, Fla	WA2-4430
Ill	Morton L Friedman	2814 W. Balmoral Ave, Chicago 25, Ill	LO1-4257
Ind	M E Tyson Co	848 Colfax St, Toledo 6, Ohio	CH6-4060
Ky	M E Tyson Co	848 Colfax St, Toledo 6, Ohio	CH6-4060
La	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	DU2-6017
Md	Dave Linz	238 Shelmire St, Philadelphia, Pa	ES9-0734
Mass	All-Tronic Sales Association	165 E. Main St, Marlboro, Mass	HY3-6307
Mich	Lawrence F Zaffina Co	7351 Gratiot Ave, Detroit 13, Mich	WA1-2885
NH	All-Tronic Sales Association	165 E. Main St, Marlboro, Mass	HY3-6307
NJ	Jack Weber	63 E. 9th St, New York, NY	GR3-7883
NY	Jack Weber	63 E. 9th St, New York, NY	GR3-7883
NY	Hal Siegell-Norbell Sales	211-02 Northern Blvd, Flushing 61, NY	FL7-9440
Ohio	Robert W Peters	350 E. 215 St, Euclid 23, Ohio	AN1-2330
Okla	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	DU2-6017
Pa	Dave Linz	238 Shelmire St, Philadelphia, Pa	ES9-0734
Tex	Lloyd C Cole Co	P.O. Box 504, Denton, Tex	DU2-6017
Wash	Dave Linz	238 Shelmire St, Philadelphia, Pa	ES9-0734
W.Va	Robert W Peters	350 E. 215 St, Euclid 23, Ohio	AN1-2330
	KEYSTONE MFG CO	**23328 Sherwood Ave, Warren, Mich**	**SL7-4400**
	KEYSTONE PRODUCTS CO	**904-6 23rd St, Union, NJ**	**UN6-5400**
Ala	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Conn	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
Fla	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Md	Dickison Sales Co	302 Marlton Pike, Erlton, NJ	HA8-4086
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NJ	Dickison Sales Co	302 Marlton Pike, Erlton, NJ	HA8-4086
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Pa	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
SC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Tenn	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Va	Dickison Sales Co	302 Marlton Pike, Erlton, NJ	HA8-4086

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	KIDCO INC	**Box 178-K, Medford, NJ** — **OL4-8494**
Ala	R H Barnhill & Associates	2413 Jersey St, Orlando, Fla — GA4-9868
Ariz	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal — CL6-2255
Cal	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal — CL6-2255
Cal	McKnight Co	1436 El Casino Reel, Menlo Park, Cal — DA6-3764
Conn	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass — TW3-2742
DC	Sol Goodman Co	32 W. Biddle, Baltimore 1, Md — SA7-6116
Fla	R H Barnhill & Associates	2413 Jersey St, Orlando, Fla — GA4-9868
Ga	R H Barnhill & Associates	2413 Jersey St, Orlando, Fla — GA4-9868
Ill	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill — BR8-1220
Ind	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill — BR8-1220
Me	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass — TW3-2742
Md	S W Goodman Co	32 W. Biddle, Baltimore 1, Md — SA7-6116
Mass	Cirolia LeBlanc Sales	885 Main St, Waltham Mass — TW3-2742
Mich	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill — BR8-1220
Minn	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill — BR8-1220
NH	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass — TW3-2742
NJ	Austin Wright Co	P.O. Box 561, Ardmore, Pa — MI2-5113
NY	I A Holze Co	112 DeWitt St, Syracuse, NY — GR9-6641
NY	Alan DenBury Co	1312 Ditmas Ave, Brooklyn 26, NY — IN2-6079
NC	R H Barnhill & Associates	19 W. Penna Ave, Towson, Baltimore 4, Md — VA5-3431
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio — YE2-4262
Pa	Austin Wright Co	P.O. Box 561, Ardmore, Pa — MI2-5113
RI	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass — TW3-2742
SC	R H Barnhill & Associates	19 W. Penna Ave, Towson, Baltimore 4, Md — VA5-3431
Vt	Cirolia LeBlanc Sales	885 Main St, Waltham, Mass — TW3-2742
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio — YE2-4262
	KIDDE & CO., INC., WALTER	**477 Main St, Belleville 9, NJ** — **PL9-5000**
Ala	Charles W Kinsley Co	1107-8 Times Bldg, Huntsville, Ala — JE4-7304
Cal	Walter Kidde & Co., Inc	14943 Califa St, Van Nuys, Cal — ST6-6060
Cal	Walter Kidde & Co., Inc	P.O. Box 9095, San Diego, Cal — HU8-2211
Del	Dickison Sales Co., Inc	107 York Rd, Towson 4, Md — VA3-0923
Md	Walter Kidde & Co., Inc	8605 Cameron St, Silver Spring, Md — JU9-7788
Md	Dickison Sales Co., Inc	107 York Rd, Towson 4, Md — VA3-0923
Mo	Walter Kidde & Co., Inc	P.O. Box 6236, St. Louis 34, Mo — TH8-3400
NJ	D J McCaffrey	134 W. Morningside Rd, Paramus, NJ — GI4-5626
NJ	Dickison Sales Co., Inc	302 Marlton Pike, Erlton, NJ — HA8-4086
Ohio	D E Dean	900 Warrington Pl, Dayton 19, Ohio — AX3-4844
Tex	Walter Kidde & Co., Inc	7224 Harry Hines Blvd, Dallas 35, Tex — FL1-6466
Wash	Walter Kidde & Co., Inc	7839 30th St, Mercer Island, Wash — AD2-2200
Canada	Walter Kidde & Co of Canada Ltd	5500 Royal Mount Ave, Montreal 16, P Q, Can — RI7-3592
	KIDDE ULTRASONIC & DETECTION ALARMS INC	**477 Brighton Rd, Clifton, NJ** — **GR2-5000**
	KILO ENGINEERING CO	**2011 Third St, La Verne, Cal** — **LY3-4626**
Cal	Ash M Wood Co	Box 1031, Arcadia, Cal — CU3-1201
Conn	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
Del	Industron Co	Western Savings Fund Bldg, Phila, Pa — KI6-4121
Me	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
Mass	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
NH	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
NJ	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
NY	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
NY	Industron Co	200 E. Genesee St, Syracuse 2, NY — HA2-2054
Pa	Industron Co	Western Savings Fund Bldg, Philadelphia — KI6-4121
RI	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
Vt	Industron Co	300 Northern Blvd, Great Neck, NY — HU7-2620
	KILOVOLT CORP	**2 Manor House Sq, Yonkers, NY** — **YO9-3615**
Foreign	Rocke International	13 E. 40th St, New York, NY — MU9-0200
	KIMBLE GLASS SUB OWENS-ILL	**Box 1035, Toledo 1, Ohio**
	KIN TEL DIV CONU ELECTRONICS	**5725 Kearny Villa Rd, San Diego 12, Cal** — **BR7-6700**
Ala	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga — CE3-7522
Alaska	Arva Inc	1320 Prospect St, Seattle 9, Wash — MA2-0177
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix, Ariz — CR4-5431
Ark	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex — LA6-8735
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal — TR7-0721
Cal	Neely Enterprises	1317 Fifteenth St, Sacramento, Cal — GI2-8901
Cal	Neely Enterprises	501 Laurel St, San Carlos, Cal — LY1-2626
Cal	Neely Enterprises	1055 Shafter St, San Diego, Cal — AC3-8106
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo — PE3-3791
Conn	Yewell Associates Inc	1101 E. Main St, Bridgeport, Conn — FO6-3456
Del	Horman Associates Inc	941 Rollins Ave, Rockville, Md — HA7-7560
DC	Horman Associates Inc	941 Rollins Ave, Rockville, Md — HA7-7560
Fla	Bivins & Caldwell Inc	P.O.Box 7942, Orlando, Fla — CH1-1091
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga — CE3-7522
Idaho	Arva Inc	1320 Prospect St, Seattle 9, Wash — MA2-0177
Ill	Crossley Associates	2711 W. Howard St, Chicago 45, Ill — SH3-8500
Ill	Harris Hanson Co	2814 S. Brentwood, St. Louis 17, Mo — MI7-4350
Ind	Crossley Associates Inc	5420 N. College Ave, Indianapolis, Ind — CL1-9255
Iowa	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill — SH3-8500
Kan	Harris Hanson Co	7916 Paseo Ave, Kansas City 30, Mo — HI4-9494
Ky	Bivins & Caldwell Inc	P.O.Box 5187, High Point, NC — 2-6873
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex — LA6-8735
Me	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass — BR2-9000
Md	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore 15, Md — MO4-8345
Mass	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass — BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich — BR3-2900
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn — MI6-7881
Miss	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex — LA6-8735
Mo	Harris Hanson Co	2814 S. Brentwood, St. Louis 17, Mo — MI7-4350
Mont	Lahana & Co	1886 S. Broadway, Denver 10, Colo — PE3-3791
Neb	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn — MI6-7881
Nev	Neely Enterprises Inc	1317 15th St, Sacramento, Cal — GI2-8901
NH	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass — BR2-9000
NJ	RMC Associates	391 Grand Ave, Englewood, NJ — LO7-3933
NM	Neely Enterprises	Box 8366, Sta C, Albuquerque, NM — AL5-5586
NY	RMC Associates	236 E. 75th St, New York 21, NY — TR9-2023
NY	J D Ryerson Associates Inc	Box 1400, Syracuse, NY — GI6-1771
NC	Bivins & Caldwell Inc	Box 5187, High Point, NC — 2-6873
ND	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn — MI6-7881
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio — HI2-8080
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex — LA6-8735
Ore	Arva Inc	1238 N.W. Glisan St, Portland 9, Ore — CA2-7337
Pa	Fred F Bartlett & Co	18 West Ave, Wayne, Pa — MU8-7325
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa — TU4-3452
RI	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass — BR2-9000
SC	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga — CE3-7522
SD	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn — MI6-7881
Tenn	Bivins & Caldwell Inc	P.O.Box 5187, High Point, NC — 2-6873
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex — LA6-8735
Utah	Lahana & Co	1886 S. Broadway, Denver 10, Colo — PE3-3791
Vt	Yewell Associates Inc	1101 E. Main St, Bridgeport, Conn — FO6-3456
Va	Bivins & Caldwell Inc	P.O.Box 5187, High Point, NC — 2-6873
Wash	Arva Inc	1320 Prospect St, Seattle 9, Wash — MA2-0177
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa — TU4-3425
Wisc	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill — SH3-8500
Wyo	Lahana & Co	1886 S. Broadway, Denver 10, Colo — PE3-3791
Foreign	Erik Ferner AB	Box 56, Bromma, Sweden
Foreign	Solartron Electronics Group Ltd	Thames Ditton, Surrey, England — AM5522
	KINEMATIC SYSTEMS	**41-11 49th St, Long Island City, NY** — **HA9-6808**
	KINEMOTIVE CORP	**P. O. Box 386, Huntington Sta, NY** — **MY2-6162**
	KINETIC INSTRUMENT CORP	**1070 Linwood St, Brooklyn 8, NY** — **NI9-8800**
Ala	W.E. Wolcott Associates	P.O. Box 1523, Winter Park, Fla — MI7-3498
Cal	Gene F. Straube Co	P.O. Box 513 Palo Alto, Cal — DA1-7029
Cal	Ed Landa Co	1723 Westwood Blvd, Los Angeles, Cal — BR2-9525
Conn	Wayne B. Palioca, Inc	1575 N. Ave, Bridgeport, Conn — ED5-5766
DC (Wash)	Jack Onore	24D, Magie Ave, Union, NJ — EL5-0474
Fla	W.E. Wolcott Associates	P.O. Box 1523, Winter Park, Fla — MI7-3498
Ga	W.E. Wolcott Associates	P.O. Box 1523, Winter Park, Fla — MI7-3498
Ill	R.T. Matthews Co	1127 Wells St, Fort Wayne, Ind — EA 3917
Ind	R.T. Matthews Co	1127 Wells St, Fort Wayne, Ind — EA 3917
Ky	R.T. Matthews Co	1127 Wells St, Fort Wayne, Ind — EA 3917
Md	Jack Onore	24D, Magie Ave, Union, NJ — EL5-0474
Mass	Wayne B. Palioca, Inc	1787 Massachusetts Ave, Lexington, Mass — VO2-7224
Mich	R.T. Matthews Co	1127 Wells St, Fort Wayne, Ind — EA 3917
Nev	N. Gene F. Staube Co	P.O. Box 513, Palo Alto, Cal — DA1-7029
NH	Wayne B. Palioca, Inc	1787 Massachusetts Ave, Lexington, Mass — VO2-7224
NJ	Jack Onore	24D, Magie Ave, Union, NJ — EL5-0474
NY	H.A.F. Associates	330 E. 70th St, New York 21, NY — RE7-1330
NC	W.E. Wolcott Associates	P.O. Box 1523, Winter Park, Fla — MI7-3498
SC	W.E. Wolcott Associates	P.O. Box 1523, Winter Park, Fla — MI7-3498
Wisc	R.T. Matthews Co	1127 Wells St, Fort Wayne, Ind — EA 3917
	KINETICS CORP	**2 Churchill Rd, Hingham, Mass** — **RI9-3099**
Ariz	Denton & Anderson Co	5526 N. Rosemead, Temple City, Cal — CU3-8436
Cal	Denton & Anderson Co	5526 N. Rosemead, Temple City, Cal — CU3-8436
Del	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
DC	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
Ind	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio — CR7-9327
Md	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
NJ	C Frederick Miller	Teterboro, NJ — AT8-2500
NY	C Frederick Miller	Teterboro, NJ — AT8-2500
NY	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
Ohio	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio — CR7-9327
Pa	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
Tenn	Denton & Anderson Co	3740 Salem, Rd, Dayton, Ohio — CR7-9327
Va	Jack B Israel	301 S. 15 St, Philadelphia, Pa — PE5-6860
W. Va	Denton & Anderson Co	3740 Salem Ave, Dayton 6, Ohio — CR7-9327
	KING ELECTRIC EQUIPMENT CO	**9123 Lemon Ave, Cleveland 5, Ohio** — **DI1-1066**
	KING LABORATORIES INC	**127 Solar St, Syracuse 3, NY** — **GR4-3359**
Foreign	The Alton Co., Inc	3214 Bergenline Ave, Union City, NJ — UN5-4080
Foreign	Callite Products Co of Europe	Rue Ravenstein 60, Brussells, Belgium — 118508
	KING RADIO CORP	**9700 W. 75th St, Merriam, Kan** — **HE2-8021**
	KINGS ELECTRONICS CO., INC	**40 Marbledale Rd, Tuckahoe, NY** — **SW3-5000**
Ariz	Fryco Inc	478 N. Scottsdale Rd, Scottsdale, Ariz
Ark	Campion Sales Inc	9002 Chancellor Row, Dallas, Tex — FL7-4095
Cal	A A Dowers Co	2918 E. Florence Ave, Huntington Park — LU2-5105
Cal	R Del Bucchia & Associates	179 S. Mayfair Ave, Daly City, Cal — PL6-8414
Colo	Franklin Sales	2149 S. Clermont St, Denver, Colo — SK7-1371
Conn	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
Del	C H Newson & Associates	813 Bethlehem Pike, Philadelphia, Pa — CH8-3377
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla — JE1-0200
Idaho	Marsh Agencies Inc	2601 First Ave, Seattle, Wash — MA-8746
Ill	D Dolin Sales	3563 W. Peterson Ave, Chicago, Ill — JU8-3738
Ind	Gallagher Co	15 Ritchie Ave, Cincinnati, Ohio — PO1-1288
Iowa	W E Fry Co	406 W. 34th St, Kansas City, Mo
Kan	Factors Inc	P.O. Box 3067, Wichita, Kan — MU2-3815
Ky	Gallagher Co	15 Ritchie Ave, Cincinnati, Ohio — PO1-1288
La	Campion Sales Inc	9002 Chancellor Row, Dallas, Tex — FL7-4095
Me	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
Md	C H Newson & Associates	17 Croftley Rd, Lutherville, Md — VA3-0431
Mass	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
Mich	Gallagher Co	320 William Rd, Rochester, Mich — OL2-4676
Minn	D Dolin Sales	3563 W. Peterson Ave, Chicago, Ill — JU8-3738
Mo	W E Fry Co	406 W. 34th St, Kansas City, Mo
Neb	W E Fry & Co	406 W. 34th St, Kansas City, Mo
Nev	A A Dowers Co	2918 E. Florence Ave, Huntington Park, Cal — LU2-5105
NH	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
NJ	Gerry Alterman & Co	223 Evandale Rd, Scarsdale, NY — SC5-1193
NM	Fryco Inc	478 N. Scottsdale Rd, Scottsdale, Ariz
NY	Savco Inc	124 Kinne Rd, E. Syracuse, NY — GI6-4927
NY	Gerry Alterman & Co	223 Evandale Rd, Scarsdale, NY — SC5-1193
Ohio	Gallagher Co	15 Ritchie Ave, Cincinnati, Ohio — PO1-1288
Okla	Campion Sales Inc	9002 Chancellor Row, Dallas, Tex — FL7-4095
Ore	Marsh Agencies Inc	2601 First Ave, Seattle, Wash — MA-8761
Pa	C H Newson & Associates	813 Bethlehem Pike, Philadelphia, Pa — CH8-3377
RI	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
Tex	Campion Sales Inc	9002 Chancellor Row, Dallas, Tex — FL7-4095
Utah	Franklin Sales	2149 S. Clermont St, Denver, Colo — SK7-1371
Vt	Cirolia & LeBlanc	885 Main St, Waltham, Mass — TW4-2977
Va	C H Newson & Associates	17 Croftley Rd, Lutherville, Md — VA3-0431
Wash	Marsh Agencies Inc	2601 First Ave, Seattle, Wash — MA-8761
W. Va	Gallagher Co	15 Ritchie Ave, Cincinnati, Ohio — PO1-1288
Wisc	D Dolin Sales	5219 N. Hopkins Ave, Milwaukee, Wisc
Wyo	Franklin Sales	2149 S. Clermont St, Denver, Colo — SK7-1371
Foreign	Int'l Standard Electric Corp	50 Church St, New York 7, NY — BO9-3800
	KINGSLEY MACHINE CO	**850 Cahuenga Blvd, EB, Hollywood, Cal** — **HO9-7243**
	KINGSTON ELECTRONICS DIV KINGSTON INDUSTRIES INC	**Medfield, Mass** — **FL9-4347**
Ala	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Alaska	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
Ariz	J W Marsh Co	4216-20 W. Jefferson Blvd, L A 16, Cal — RE2-0145
Ark	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex — FL7-4095
Cal	J W Marsh Co	4216-20 W. Jefferson Blvd, L A, Cal — RE2-0145
Fla	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Ga	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Hawaii	J W Marsh Co	4216-20 W. Jefferson Blvd, L A 16, Cal — RE2-0145
Idaho	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
Ill	William J Doyle Co	7002 N. Western Ave, Chicago 45, Ill — RO1-3130
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo — LO1-0772
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo — LO1-0772
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex — FL7-4095
Miss	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo — LO1-0772
Mont	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo — LO1-0772
Nev	J W Marsh Co	4216-20 W. Jefferson Blvd, L A 16, Cal — RE2-0145
NJ	Edward Braddock	P.O.Box 305, Haddonfield, NJ — HA9-0087
NY	Lorne J McTaggart	3053 Main St, Buffalo 14, NY — AT0200
NC	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Ohio	H H Seay Co	3850 Fairlington Dr, Columbus 21, Ohio — HU8-9994
Okla	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex — FL7-4095
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
Pa	Edward Braddock	P.O.Box 305, Haddonfield, NJ — HA9-0087
Pa	H H Seay Co	3850 Fairlington Dr, Columbus 21, Ohio — HU8-9994
SC	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Tenn	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex — FL7-4095
Va	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn — BR5-1914
Wash	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
W. Va	H H Seay Co	3850 Fairlington Dr, Columbus 21, Ohio — HU8-9994
Wisc	William J Doyle Co	7002 N. Western Ave, Chicago 45, Ill — RO1-3130
Foreign	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore — CA3-9720
Canada	William Cohen Ltd	8900 Tanguay, Montreal, Canada — CR2-5719
	KINNEY VACUUM DIV NY AIR BRAKE CO	**3529 Washington St, Boston, Mass** — **JA4-3220**
	KIP ELECTRONICS CORP	**615 Main St, Stamford, Conn** — **DA5-1551**
Ark	George Weinreich & Assoc	1210 Old Gate Ln, Dallas, Tex — DA1-2800
Cal	A. A. Dowers & Co	2918 E. Florence Ave, Huntington Park — LU2-5105
Cal	Ray Del Bucchia	179 S. Mayfair Ave, Daly City, Cal — PL6-8414
Fla	Ben. Wimberly Co	532 S. Fort Harrison Ave, Clearwater, Fla — CL5-3083
Kan	Maury E. Bettis Co	507 N. Belmont, Wichita, Kan
Mich	R.G. Dailey Co	201 E. Catherine St, Ann Arbor, Mich — NO8-6908
Nev	Maury E. Bettis Co	406 W. 34th St, Kansas City 11, Mo — LO1-0772
NJ	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY — WO1-4700
NY	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY — WO1-4700
NC	Jake Rudisill Assoc	1312 Myrtle Ave, Charlotte, NC — FR6-4792
Ohio	John O. Olsen Co	16201 Shaker Blvd, Cleveland, Ohio — SK2-5444
Pa	George Hautenchild	949 E. Godfrey Ave, Philadelphia, Pa — PI4-0847
SC	Jake Rudisill Assoc	1312 Myrtle Ave, Charlotte, NC — FR6-4792
Tenn	Jake Rudisill Assoc	1312 Myrtle Ave, Charlotte, NC — FR6-4792
Tex	George Weinreich & Assoc	1210 Old Gate Lane, Dallas, Tex
Va	Jake Rudisill Assoc	1312 Myrtle Ave, Charlotte, NC — FR6-4792
Foreign	John. O. Olsen	104 Elatan Dr, Pittsburgh, Pa — BR9-2550
	KIRCHBERGER & CO., INC., M	**248 Humphrey St, Englewood, NJ** — **LO6-4555**
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal — MU2-3331
NM	S Dixon	208 Russell Ave, Barrington, NJ — LI7-7383
	KIRKHILL RUBBER CO	**300 E. Cypress, Brea, Cal** — **JA8-2161**
Ala	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga — CE7-0788
Ariz	Kiva Sales Co	3701 E. Indian School Rd, Phoenix, Ariz — AM6-2413
Colo	Benett & Associates	2820 W. 17th Ave, Denver 4, Colo — MA3-0913
Conn	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY — MO6-6500
Del	Russell Associates Inc	518 Virginia Ave, Baltimore 4, Md — VA3-3350
DC	Russell Associates Inc	518 Virginia Ave, Baltimore 4, Md — VA3-3350
Fla	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga — CE7-0788
Ga	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga — CE7-0788
Hawaii	Wisdom Rubber Mfg Co	397-A Portlock Rd, Honolulu 2, Hawaii — HO5-8265
Ill	Russell Associates Inc	4 Eswin St, Cincinnati 18, Ohio — WE1-0930
Ind	Russell Associates Inc	4 Eswin St, Cincinnati 18, Ohio — WE1-0930
Kan	Associated Industries Inc	455 S. Washington, Wichita 2, Kan — HO4-0391
Ky	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga — CE7-0788
Me	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY — MO6-6500
Md	Russell Associates Inc	518 Virginia Ave, Baltimore 4, Md — VA3-3350
Mass	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY — MO6-6500
Mich	Russell Associates Inc	19971 James Couzens Hwy, Detroit 35 — VE7-1560
Minn	Miller Sales Co	3835 Shady Oak Rd, Hopkins, Minn — WE8-2892

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Miss	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
NH	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
NJ	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
N.	Russell Associates Inc	518 Virginia, Baltimore 4, Md	VA3-3350
NM	Kiva Sales Co	3701 E. Indian School Rd, Phoenix, Ariz	AM6-2413
NY	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
NC	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Ohio	Russell Associates Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Okla	E V Boudreaux & Co	5138 S. Peoria, Tulsa 5, Okla	RI3-5453
Ore	The Houston Co	N. Annex, Boeing Fld, Seattle 24, Wash	PA5-7990
Pa	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
RI	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
SC	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Tenn	Russell Associates Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Tex	Dwight Payne	5840 Yolanda, Ft. Worth, Tex	JE4-9159
Utah	Bennett & Associates	2820 W 17th Ave, Denver 4, Colo	MA3-0913
Vt	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
Va	Russell Associates Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Wash	The Houston Co	N. Annex, Boeing Fld, Seattle 24, Wash	PA5-7990
W. Va	Russell Associates Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Wisc	Russell Associates Inc	19971 James Couzens Hwy, Detroit, Mich	VE7-1560

KIRKLAND CO., H R ..... **8 King St, Morristown, NJ** .....

	KISTLER INSTRUMENT CORP	**15 Webster St, North Tonawanda, NY**	**JA2099**
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Conn	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
Fla	Arthur A Lynch & Associates Inc	406 Danley Dr, Page Park, Ft. Meyer, Fla	WE6-2181
Mich	S Sterling Co	15310 W. McNichols, Detroit 35, Mich	BR3-2900
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Foreign	Vibrometer Corp	Fribourg, Switzerland	
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AI3-7011

KLANN ORGAN SUPPLY CO ..... **P. O. Box 2398, Waynesboro, Va** **WH2-8351**

	KLEER-VUE MFG CO., INC	**P. O. Box 10326, Pittsburgh 34, Pa**	**TE5-2662**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ariz	Simonite-Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal	TR7-1674
Cal	H L Newman	56-41st Ave, San Mateo, Cal	FI1-3433
Cal	Simonite Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal	TR7-1674
Colo	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208
Conn	Jack Goss Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
Del	Wm C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	
Fla	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Hawaii	H L Newman	56-41st Ave, San Mateo, Cal	FI1-3433
Ill	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Iowa	Koenig Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Kan	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Ky	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Me	Jack Goss Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
Md	William C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	
Mass	Jack Goss Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit 35	BR3-3652
Minn	Ray Ripley	7222 James Ave, S., Minneapolis 23	JN6-8682
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Mo	Koenig-Myers Associates	4538 Main St., Kansas City, Mo	JE1-7221
Mont	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208
Neb	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Nev	Simonite-Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal	TR7-1674
NH	Jack Goss Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
NJ	Wm C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	
NJ	Art Rusoff	1625 E. 13 St, Brooklyn 35, NY	MA5-6330
NM	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208
NY	Art Rusoff	1625 E. 13 St, Brooklyn 35, NY	MA5-6330
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
N.	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	JN6-8682
Ohio	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve 7	LA1-7268
Okla	Lloyd C Cole	Box 504, Denton, Tex	DU2-6017
Pa	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Pa	Wm C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	
RI	Jack Gross Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
SD	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	JN6-8682
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tex	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208
Tex	Lloyd C Cole	P.O. Box 504, Denton, Tex	DU2-6017
Utah	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208
Vt	Jack Goss Co	99 Highland Ave, Somerville 43, Mass	PR6-2262
Va	William C Stahl	30 E. Cedar Ave, Merchantville 8, NJ	
W. Va	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Wisc	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	JN6-8682
Wyo	W B Gollher	1559 Chester St, Aurora 8, Colo	EM6-0208

	KLEIN ELECTRONICS, LEO	**2404 S.LaBrea Ave, Los Angeles 16, Cal**	**WE5-3119**
Cal	Caltron Products Co	3518 W. Pico Blvd, Los Angeles, Cal	RE4-2420
Cal	F W Shrader	11623 S. Broadway, Los Angeles, Cal	PL6-9166
NY	Parmog Corp	88-06 Van Wyck Expwy, Jamaica, NY	OL7-1818

KLEIN & SONS, MATHIAS ..... **7200 McCormick Rd, Chicago 45, Ill** **JU8-6820**

	KLINCHER LOCKNUT CORP	**2153 Hillside Ave, Indianapolis 18, Ind**	**WA5-9284**
Cal	Roy F Gratist Co	1261 S. Glendale Ave, Glendale 5, Cal	CH5-3745

KLINE IRON & STEEL CO ..... **1225 Huger St, Columbia, SC** **AL4-0301**

KLING METAL SPINNING CO ..... **247 Centre St, New York, NY** **CA6-5580**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	KNAPIC ELECTRO-PHYSICS INC	**940 Industrial Ave, Palo Alto, Cal**	**DA1-5544**
Cal	Knapic Electro-Physics W. Sales Inc	204 S. Beverly Dr, Beverly Hills, Cal	CR6-7175
NY	Knapic Electro-Physics E. Sales Inc	405 Lexington Ave, New York, NY	YU6-0360
Foreign	Knapic Electro-Physics Eur Sls	2 Prins Fred Hendr, Naarden, Holland	
Foreign	Mitsui Bussan Kaisha Ltd	P.O.Box Central 822, Tokyo, Japan	

	KNIGHT CORP., EWEN	**Oak & Pine Sts, E.Mattick, Mass**	**OL3-3300**
Conn	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
NJ	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
NY	Harry W Persson Associates	440 Main St, Oxford, Mass	YU7-2075
Ohio	Mike Friedman	5612 Rice Pl, Dayton, Ohio	BE3-1391

	KNIGHT ELECTRONICS CORP	**210 S.Desplaines St, Chicago 6, Ill**	**FI6-7474**
Ill	Allied Radio Corp	100 N. Western Ave, Chicago 80, Ill	HA1-6800

KNIGHTS CO., JAMES ..... **Sandwich, Ill** **2141**

	KNOPP INC	**1307-66 St, Oakland 8, Cal**	**OL3-1661**
Ala	Gregory-Salisbury & Co., Inc	820 Julia St, New Orleans 12, La	
Ariz	C C Blecksmith	P.O. Box 54, Covina, Cal	
Ark	Gregory-Salisbury & Co., Inc	429 S. West St, Jackson, Miss	
Cal	C C Blecksmith	P.O. Box 54, Covina, Cal	
Cal	Arthur E Booth	265 S. Alexandria Ave, Los Angeles 4, Cal	
Cal	The MaBrCo	P.O. Box 835, Oakland 4, Cal	
Colo	Hamilton Associates	1236 Elati St, Denver 4, Colo	
Conn	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
Conn	C T Nevins	401 Woodside Ave, Narberth, Pa	
Del	L C Conover	1737 Chestnut St, Philadelphia 3, Pa	
Del	C T Nevins	401 Woodside Ave, Narberth, Pa	
DC	L C Conover	1737 Chestnut St, Philadelphia 3, Pa	
DC	C T Nevins	401 Woodside Ave, Narberth, Pa	
Fla	Ward Engineering Co., Inc	1015 W. Central Ave, Orlando, Fla	
Hawaii	William M Jewell	126 Post St, San Francisco 8, Cal	
Idaho	William M Jewell	126 Post St, San Francisco 8, Cal	
Ill	Allan C Davey	4733 Wallbank Ave, Downers Grove, Ill	
Ind	Allan C Davey	4733 Wallbank Ave, Downers Grove, Ill	
Iowa	Conrad R Bangh	524 W O W Bldg, Omaha 2, Neb	
La	Gregory-Salisbury & Co., Inc	820 Julia St, New Orleans 12, La	
Me	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
Md	L C Conover	1737 Chestnut St, Philadelphia 3, Pa	
Md	C T Nevins	401 Woodside Ave, Narberth, Pa	
Mass	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
Mich	Lincoln M Horton	13545 Memorial Ave, Detroit 27, Mich	
Miss	Gregory-Salisbury & Co., Inc	429 S. West St, Jackson, Miss	
Neb	Conrad R Bangh	524 W O W Bldg, Omaha 2, Neb	
Nev	C C Blecksmith	P.O. Box 54, Covina, Cal	
NH	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
NJ	L C Conover	1737 Chestnut St, Philadelphia 3, Pa	
NJ	C T Nevins	401 Woodside Ave, Narberth, Pa	
NM	Hamilton Associates	1236 Elati St, Denver 4, Colo	
NY	C T Nevins	401 Woodside Ave, Narberth, Pa	
NC	Titus L Bissell	P.O. Box 776, Charleston, SC	
Ohio	Lincoln M Horton	13545 Memorial Ave, Detroit 27, Mich	
Ohio	John S Rininger	4828 Liberty Ave, Pittsburgh 24, Pa	
Ohio	William Goodridge	P.O. Box 98033, Pittsburgh 27, Pa	
Ore	William M Jewell	126 Post St, San Francisco 8, Cal	
Pa	John S Rininger	4828 Liberty Ave, Pittsburgh 24, Pa	
Pa	L C Conover	1737 Chestnut St, Philadelphia 3, Pa	
Pa	C T Nevins	401 Woodside Ave, Narberth, Pa	
Pa	William Goodridge	P.O. Box 98033, Pittsburgh 27, Pa	
RI	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
SC	Titus L Bissell	P.O. Box 776, Charleston 1, SC	
SD	Conrad R Bangh	524 W O W Bldg, Omaha 2, Neb	
Tenn	Gregory-Salisbury & Co., Inc	429 S. West St, Jackson, Miss	
Tex	Hamilton Associates	1236 Elati St, Denver 4, Colo	
Tex	R F Hamilton & Associates	4515 Prentice St, Dallas 6, Tex	
Vt	Dempsey-Gowen Co., Inc	P.O. Box 284, Needham 92, Mass	
Va	William Goodridge	P.O. Box 98033, Pittsburgh 27, Pa	
Va	Titus L Bissell	P.O. Box 776, Charleston 1, SC	
Wash	William M Jewell	126 Post St, San Francisco 8, Cal	
W. Va	John S Rininger	4828 Liberty Ave, Pittsburgh 24, Pa	
W. Va	William Goodridge	P.O. Box 98033, Pittsburgh 27, Pa	
Wisc	Allan C Davey	4733 Wallbank Ave, Downers Grove, Ill	
Wyo	Hamilton Associates	1236 Elati St, Denver 4, Colo	
Canada	Griffon Sales Ltd	551 W. 8th Ave, Vancouver 9, B C, Canada	

	KNOWLES ELECTRONICS INC	**10545 Anderson Pl, Franklin Park, Ill**	**GL5-3600**

	KOBZY TOOL CO	**1535 N. Dayton, Chicago 22, Ill**	**MI2-6709**

	KOCH & SONS INC., H	**Carte Madera, Cal**	**WA4-3510**
Cal	H Koch & Sons Inc	102 N. Brand Blvd, Glendale 3, Cal	CH5-3221

	KOILED KORDS DIV WHITNEY BLAKE CO	**97 Pershing St, New Haven 14, Conn**	**CH8-5515**

	KOLLMAN CASE CORP	**Ft. Wayne, Ind**	**HA0919**

	KOLLMORGEN OPTICAL CORP	**347 King St, Northampton, Mass**	**JU4-0280**
Cal	Costello & Co	2740 S. La Cienega Blvd, Los Angeles	JP0-8537

	KOLLSMAN INSTRUMENT CORP SUB OF STANDARD COIL PRODUCTS CO., INC	**80-08 45th Ave, Elmhurst 73, NY**	**TW9-5600**
Cal	Kollsman Instrument Corp	715 Sonora Ave, Glendale, Cal	CH5-8424
Neb	Kollsman Instrument Corp	P.O. Box 807, Bellevue, Neb	BE1934
Ohio	Kollsman Instrument Corp	333 W. First St, Dayton 2, Ohio	BA8-8111

	KOLLSMAN MOTOR CORP	**Mill St, Dublin, Pa**	**CH9-3651**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	L A. Nott Co	1061 Howard St, San Francisco 3, Cal	HE1-4738
Colo	Electronic Components Sales, Inc	2149 S. Clermont, Denver 22, Colo	PE3-7172
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Fla	Cartwright & Bean	2505 Nancy St, Orlando, Fla	GA5-8284
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Ind	South Sales Co	105 Lakeshore Dr, Angola, Ind	777
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU 2264
Mo	E W McGrade Co	Box 8876, Prairie Vlg Sta, Kansas City	RA2-0758
Mo	E W. McGrade Co	1110 S. Brentwood, St. Louis 17, Mo	PA5-6550
NM	R.E. McClendon Co	915 Yale Blvd, S.E., Albuquerque, NY	CH3-4551
NY	F. Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NY	Wilson H. Zimmerman, Inc	112 Dewitt St, Syracuse 3, NY	GR4-4889
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR6-4442
Wash	Richard Legg Co	1565 6th Ave S., Seattle 4, Wash	MU2-7764
Canada	P J Heenan, Ltd	669 Bayview Ave, Toronto 17, Ontario	HU1-2291
Canada	D. Eldon McLennan	1624 W. Third Ave, Vancouver 9, B.C.	RE6-9251

	KOLTON ELECTRIC MFG CO	**123 NJ Railroad Ave, Newark 5, NJ**	**MI2-4622**
Conn	Calvin Morstein	25 Mallove Dr, New London, Conn	GI2-9870

	KOOLTRONIC FAN CO	**P. O. Box 504, Princeton, NJ**	**SW9-1466**
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Cal	W E Zimmerman Co	201 Town & Country Village, Palo Alto	DA1-2008
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	WI7-3498
Ill	Dwight Smith Associates	9 S. River St, Aurora, Ill	TW7-5752
Md	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Mass	Henry P Segel Co	305 Washington St, Brookline 46, Mass	
Miss	L R Massey Co	P.O. Box 724, Greenwood, Miss	GL3-3038
NJ	Aero Sales Co	P.O. Box 53, Caldwell, NJ	CA6-2642
NY	Astro-Mobile Products Corp	130 W. 42nd St, New York, NY	WI7-5881
Tex	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Tex	MacRae-Smith Co	P.O.Box 19387, Houston 24, Tex	HO5-7780
Canada	E E Whittaker	2137 Niagara Dr, Ottawa, Ontario, Canada	CE4-4686

KOPPERS CO., INC ..... **Koppers Bldg, Pittsburgh 19, Pa** **EX1-3300**

	THE KORFUND COMPANY INC	**1060 Washington Ave, New York 59, NY**	**RA9-7500**
Cal	Joe Davidson & Associates	P.O. Box 108, South Gate, Cal	NE6-2245
Conn	The Korfund Co., Inc	208 Burke St, E. Hartford, Conn	BU9-9064
Ill	L S Racine & Co	P.O. Box 465, Oak Park, Ill	VI8-7899
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Mich	C H. Rolier Sales	P.O. Box A-868, Grand Rapids, Mich	EM1-9629
Mo	Engineering Services Co	5635 Delmar Blvd, St. Louis 5, Mo	VO3-3660
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
NH	Rowe-Co Co	Box 143, Greenfield, NH	GR 2022
NY	Federal Shock Mount Corp	1060 Washington Ave, New York 56, NY	WY3-0400
NY	The Korfund Co., Inc	1420 New York Ave, N.W., Washington, DC	ST3-7959
Pa	R G Heaing	444 Glendale Circle, Springfield, Pa	KM-3730
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV 3160

KRAEUTER & CO., INC ..... **583 18 Ave, Newark 3, NJ**

KRAUS ELECTRONICS INC ..... **1405 University Ave, Palo Alto, Cal** **DA3-0918**

	KRECKMAN CO., HERB	**Cresco, Pa**	**LY5-2212**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Alaska	Ray Johnston Co	110-09 Evanston Ave, Seattle, Wash	
Ariz	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	
Ark	J Earl Smith Co	P.O. Box 35331, Airlawn Sta, Dallas 35, Tex	
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	
Colo	Ray Johnston Co	110-09 Evanston Ave, Seattle, Wash	
Conn	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
Del	Ed Braddock	P.O. Box 305, Haddonfield, NJ	
DC	Ed Braddock	P.O. Box 305, Haddonfield, NJ	
Fla	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Idaho	Ray Johnston Co	110-09 Evanston Ave, Seattle, Wash	
Ill	Communication Engineers	6349 Northwestern Ave, Chicago, Ill	
Ind	Communication Engineers	6349 Northwestern Ave, Chicago, Ill	
Iowa	A J Warner	5022-29 Ave, South Minneapolis 17, Minn	
Kan	Wilbur Gill	10511 W. 56 Terr, Shawnee, Kan	
La	J Earl Smith Co	P.O. Box 35331, Airlawn Sta, Dallas 35, Tex	
Me	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
Md	Ed Braddock	P.O. Box 305, Haddonfield, NJ	
Mass	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
Mich	William Zimmerman	23486 Roanoke, Oak Park 37, Mich	
Minn	A J Warner Co	5022-29 Ave, South Minneapolis 17, Minn	
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Mo	Wilbur Gill	10511 W. 56 Terr, Shawnee, Kan	
Mont	Ray Johnston Co	110-09 Evanston Ave, Seattle 33, Wash	
Neb	A J Warner Co	5022-29 Ave, S., Minneapolis 17, Minn	
Nev	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	
NH	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
NJ	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
NY	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
ND	A J Warner Co	5022-29 Ave, S., Minneapolis 17, Minn	
Okla	J Earl Smith Co	P.O. Box 35331, Airlawn Sta, Dallas 35, Tex	
Ore	Ray Johnston Co	110-09 Evanston Ave, Seattle 33, Wash	
Pa	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
RI	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
SD	A J Warner Co	5022-29 Ave, S., Minneapolis 17, Minn	
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Tex	J Earl Smith Co	P.O. Box 35331, Airlawn Sta, Dallas 35, Tex	
Utah	Ray Johnston Co	110-09 Evanston Ave, Seattle 33, Wash	
Vt	Chester Drexler	3 Lee Dr, South Farmingdale, NY	
Va	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Wash	Ray Johnston Co	110-09 Evanston Ave, Seattle 33, Wash	
Wisc	Communication Engineers	6349 Northwestern Ave, Chicago, Ill	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wyo	Ray Johnston Co	110-09 Evanston Ave, Seattle 33, Wash	
	KRENGEL MFG. CO., INC	**227 Fulton St, New York 7, NY**	**COT-5711**
NJ	Krengel Mfg. Co. Inc	40 Ward St, Paterson, NJ	MU4-1414
	KRESSILK PRODUCTS, INC	**73 Mercery St, New York 7, NY**	**BA7-2492**
	KROHN-HITE CORP	**580 Mass Ave, Cambridge 39, Mass**	**UN4-4272**
Ark	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
Ark	Industrial Associated Electronics Inc	201B, Internat'l Airport, El Paso, Tex	PR2-2441
Cal	van Groos Co	Box 425, Woodland Hills, Cal	DI0-3131
Cal	van Groos Co	1178 Los Altos Ave, Los Altos, Cal	WH8-1266
Conn	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Conn	Raytronics Co	175 State St, Springfield, Mass	RE3-2867
Del	N L R Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
Del	NLR Associates	529 Shoemaker Rd, Elkins Park, Pa	CA4-1663
DC	C E Snow Co	8218 Wisconsin Ave, Bethseda, Md	OL4-1767
Idaho	Ahmco	Boeing Field, Seattle, Wash	PA5-9810
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Kan	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
Ky	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
La	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
Me	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Md	C E Snow Co	8218 Wisconsin Ave, Bethseda, Md	OL4-1767
Mass	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Mass	Raytronics Co	175 State St, Springfield, Mass	RE3-2867
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis 27	LI5-4481
NH	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
NJ	NLR Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
NM	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
NY	DB Associates Inc	3307 Erie Blvd, E., Dewitt 14, NY	GI6-0220
NY	DB Associates Inc	37 Overbrooke St, Tonawanda, NY	WI6186
NY	NLR Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
NC	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ohio	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Ohio	Electro Sales Associates	Box 143, Dabel Sta, Dayton 20, Ohio	CH4-5551
Okla	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
Ore	Ahmco	Boeing Field, Seattle 8, Wash	PA5-9810
Pa	NLR Associates	529 Shoemaker Rd, Elkins Park 17, Pa	CA4-1663
Pa	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
RI	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
SD	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Tex	Industrial Associated Electronics Inc	Box 8068, Ft. Worth 12, Tex	JE1-1132
Tex	Industrial Associated Electronics Inc	201B, Internat'l Airport, El Paso, Tex	PR2-2441
Vt	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Va	C E Snow Co	8218 Wisconsin Ave, Bethseda, Md	OL4-1767
Wash	Ahmco	Boeing Field, Seattle 8, Wash	PA5-9810
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Mel Sales Limited	1969 Avenue Rd, Toronto 12, Ont, Canada	HU1-0231
	KROKER ENGRG & DEVELOPMENT CO	**9947 Franklin Ave, Franklin Park, Ill**	**GL5-3056**
	KRUGER INSTRUMENTS, HAROLD	**Box 164, San Gabriel, Cal**	**AT4-3541**
	KRYLON INC	**Ford & Washington, Norristown, Pa**	**BR9-1950**
Alaska	Alaska Brokerage Co	Box 2187, Anchorage, Alaska	45613
Cal	Leslie D Morrison	Alameda, Berkeley 7, Cal	LA6-2451
Cal	H M Shoemaker & Associates	1127 Wilshire Blvd, Los Angeles 17, Cal	HU2-4672
Colo	William L Knoyer Co	138 W. 12th Ave, Denver 4, Colo	MA3-0063
Ill	Al Quackenbush	520 N. Michigan Ave, Chicago 11, Ill	WO4-1904
Ind	Delta Sales Inc	2136 E. 52nd St, Indianapolis 5, Ind	CL1-3564
Mass	Michael Scott Co., Inc	336 Washington, Wellesley Hills, Mass	CE5-0102
Mich	Wayne Beitel Co	13209 Fenkell, Detroit 27, Mich	VE8-9100
Minn	Stallman Distributing Co	4259 Linden Hills, Minneapolis 10, Minn	WA2-0172
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
NY	The Newhope Corp	6 E. 39th St, New York 16, NY	LE2-7372
NY	Pastor-Hunter Co	3307 Erie Blvd, E., Syracuse 14, NY	GI6-2180
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	Todd & Blunt Co	105 Forrest Ave, Narberth, Pa	MO4-4626
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis 4, Tenn	BR6-4442
Tex	Hirsig-Frazier Co., Inc	4333 Belmont Ave, Dallas 4, Tex	TA4-0117
Wash	Swan Kios	8035 30th Ave, N.E., Seattle 15, Wash	LA2-5173
Canada	Monitor Services Ltd	2180 Wilson Ave, Montreal 28, Que, Can	HU1-2724
	KRYSTINEL CORP	**Fox Island Rd, Port Chester, NY**	**WE9-2261**
	KUHNKE ELECTRONICS H	**Malente, Holstein, Germany**	
	KULICKE & SOFFA MFG	**1234 Callowhill St, Philadelphia 23, Pa**	**WA5-4061**
Cal	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
	KULITE TUNGSTEN CORP	**1040 Hoyt Ave, Ridgefield, NJ**	**WH5-3000**
	KULKA ELECTRIC CORP	**633 S. Fulton Ave, Mt. Vernon, NY**	**MO4-4024**
Ala	Emory Design & Equipment Co	Box 9013, Birmingham 9, Ala	
Ariz	H George Sheffler Co	Box 1587, Phoenix, Ariz	
Ark	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 8, Tex	
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	
Colo	D A Steinkamp & Co	936 St. Paul St, Denver 6, Colo	
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
Del	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
DC	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
Fla	Chris Small	Box 1346, Orlando, Fla	
Ill	R A Hanke Co	2660 N. Clybourn Ave, Chicago 15, Ill	
Ind	M Cunningham & Associates	6208 N. College Ave, Indianapolis 20, Ind	
Kan	R W Farris Co	406 W. 34th St, Kansas City 2, Mo	
Ky	Lackritz Co	1836 Euclid Ave, Cleveland 15, Ohio	
La	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 8, Tex	
Me	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
Md	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
Mich	A B M Sales Co	10116 Puritan Ave, Detroit, Mich	
Minn	R G Ragan Inc	1406 W. Idaho Ave, St. Paul 4, Minn	
Mo	R W Farris Co	406 W. 34th St, Kansas City 2, Mo	
Neb	R W Farris Co	406 W. 34th St, Kansas City 2, Mo	
NH	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
NJ	Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	
NJ	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
NM	H George Sheffler Co	Box 1587, Phoenix, Ariz	
NY	Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	
NY	Leonard D Allen Inc	115 Luther Ave, Syracuse 8, NY	
Ohio	Lackritz Co	1836 Euclid Ave, Cleveland 15, Ohio	
Okla	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 8, Tex	
Ore	Pete Bach Electric	1233 N.W. 12th Ave, Portland 12, Ore	
Pa	Lackritz Co	1836 Euclid Ave, Cleveland 15, Ohio	
Pa	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
RI	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
Tenn	Emory Design & Equipment Co	Box 9013, Birmingham 9, Ala	
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 8, Tex	
Utah	D A Steinkamp & Co	936 St. Paul St, Denver 6, Colo	
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	
Va	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
Wash	Pete Bach Electric	1233 N.W. 12th Ave, Portland 12, Ore	
W. Va	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	
Wisc	Martin-Gaerther Sales Inc	1108 N. 3rd St, Milwaukee 3, Wisc	
Canada	A T R Armstrong Ltd	Box 38, Sta D, Toronto 9, Ontario, Canada	
	KUPFRIAN MFG CORP	**398 State St, Binghamton, NY**	**RA3-6426**
Cal	Milligan-Spike Co	1485 Bayshore Blvd, San Francisco 24	JU5-1057
Cal	Industrial Products Sales Co	1417 Georgia St, Los Angeles 15, Cal	RI7-0125
Conn	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Del	E Braddock	P.O.Box 305, Haddonfield, NJ	HA9-0087
DC	E Braddock	Box 305, Haddonfield, NJ	HA9-0087
Me	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Md	E Braddock	P.O.Box 305, Haddonfield, NJ	HA9-0087
Mass	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
NH	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
NJ	Kent Associates	31 Iozia Terr, E. Paterson, NJ	SW7-4911
NJ	E Braddock	P.O.Box 305, Haddonfield, NJ	HA9-0087
NY	Kent Associates	31 Iozia Terr, E. Paterson, NJ	SW7-4911
Pa	E Braddock	P.O.Box 305, Haddonfield, NJ	HA9-0087
RI	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Vt	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Va	E Braddock	P.O.Box 305, Haddonfield, NJ	HA9-0087
	KURMAN ELECTRIC CO SUB OF CRESCENT PETROLEUM CORP	**191-193 Newel St, Brooklyn 22, NY**	
Ala	Macrae- Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Cal	Bernard L Cahn Co	420 Market St, San Francisco 11, Cal	SU1-7981
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	TR3-4874
Conn	Gerber Sales Co	P.O. Box 2917, New Haven, Conn	SP7-6279
Fla	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn	MI6-7991
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Ill	Lightner Associates Inc	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ill	Mike Roth Sales Co	3386 Columbia Dr, Pittsburgh 34, Pa	LO3-5616
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	R S Lohmann Co	12730 Fenkell, Detroit 27, Mich	UN2-9465
Mich	Terminal Radio International Ltd	135 Liberty St, New York 6, NY	WO4-3311
Minn	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn	MI6-7991
Minn	Winfield Electronic Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Mo	Collins-Havercamp Associates Inc	6825 N. Baltimore, Kansas City, Mo	GL3-4497
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo 23, NY	DE0442
NY	R S Lohmann Co	12730 Fenkell, Detroit 27, Mich	UN2-9465
NY	Terminal Radio International Ltd	135 Liberty St, New York 6, NY	WO4-3311
Ore	Dave M Lee Co., Inc	3527 N. E. Union Ave, Portland 12, Ore	AT6-5796
Pa	Danco Corp	Germantown Pike & Quarry Hall Rd, Fairview, Village, Pa	BR5-2600
Pa	Lightner Associates Inc	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Pa	Mike Roth Sales Co	3386 Columbia Dr, Pittsburgh 34, Pa	LO3-5616
Tex	Macrae-Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Tex	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Wash	Dave M Lee Co	2517 Second Ave, Seattle 1, Wash	MA2-5512
Wash	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
Wash	Mike Roth Sales Co	2279 Yorkshire Pl, Dayton 19, Ohio	AX9-9808
	KURZ-KASCH INC	**1421 S.Broadway, Dayton 1, Ohio**	**BA3-8161**
Cal	Mulcom Co., Inc	3843 E. Colorado Blvd, Pasadena, Cal	PR6-1704
Fla	Erickson Products Inc	2617 Jewel Rd, Largo, Fla	JU4-1171
Ill	Karz-Kasch Inc	2130 N. Harlem Ave, Chicago 35, Ill	GL6-8837
Mass	Wm T Kelly & Co	77 Lovett St, Beverly, Mass	WA2-0065
Mich	Lackie & Associates	1135 Fisher Bldg, Detroit 2, Mich	TR4-2270
Minn	Hamilton & Payle Associates Inc	3359 Republic Ave, Minneapolis 26,	WE9-7891
Mo	William S Richards Co	2108 Gravois Ave, St. Louis 4, Mo	PR6-1704
NJ	Tenco Inc	10 Tanner St, Haddonfield, NJ	HA8-4400
NY	Dynatherm Inc	607 W. Commercial St, E. Rochester, NY	LU6-0082
NY	The Friedman Co	519 S. Fifth Ave, Mt. Vernon, NY	MT4-4866
Ohio	H J Kasch Jr	1080 Rahn Rd, Dayton 1, Ohio	CR4-4418
Tex	Kock Engineering & Sales Co	309 Meadows Bldg, Dallas, Tex	EM1-1765
Canada	A R Gardner Sales Co	Box 885, Highland Creek, Ontario, Can	OX8-2451
	KURZ & ROOT CO	**Appleton, Wisc**	**RE3-6641**
	KUSS INDUSTRIES INC	**Tocony & Lewis Sts, Philadelphia 24, Pa**	
	KWIKHEAT MFG CO	**3732 San Fernando Rd, Glendale 4, Cal**	**CH5-2376**
	KYORITSU ELECTRICAL INSTRUMENTS WORKS LTD	**120, Nakane-cho, Meguro-ku, Tokyo, Japan**	**Tokyo(717)0131-5**
	L A B CORP	**992 Onondaga, Skaneateles, NY**	**OV5-5781**
Cal	Don E Hughes Corp	P.O. Box 1069, Glendale 5, Cal	CH5-4720
NY	Space-Tronics Inc	100 E. Old Country Rd, Mineola, NY	PI1-8816
	L M B	**2528 W. 9th St, Los Angeles 6, Cal**	**DU7-6995**
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY3-7878
Colo	H B Gollmer	1559 Chester St, Aurora, Colo	
Ga	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Ill	Dayton C Kerner Co	815 MacArthur, Chicago Heights, Ill	SK4-0028
Mich	Central Electronic Sales Co	19303 Fairport, Detroit 5, Mich	LA6-5841
Minn	Bonamici Heyda Co	6101 Auto Club Dr, Minneapolis 20, Minn	TU1-9166
Mo	Koenig Myers & Associates	4538 Main St, Kansas City, Mo	JE1-7221
NJ	Lou Cohen Sales Co	102 Spring St, Passaic, NJ	PR3-1298
NY	Morris J Hacker	217-18 48th Ave, Bayside 64, NY	BA4-5361
NY	Maury Farber	417 Root Blvd, Buffalo 11, NY	MO3-5434
Ohio	H H Seay	3850 Farlington Dr, Columbus 21, Ohio	HU8-9994
Pa	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 19, Pa	CH7-7156
Tex	M Klepera Co	P.O. Box 3113, Houston, Tex	JA2-8459
Wash	M K Widdekind	216 1st Ave, N., Seattle 9, Wash	AT4-4869
	L & R MFG CO	**577 Elm St, Kearny, NJ**	**WY1-5330**
Cal	L & R M Mfg Co	406 S. Main St, Los Angeles 13, Cal	MA9-2035
Ill	L & R Mfg Co	29 E. Madison St, Chicago, Ill	CE6-2443
	LABELON TAPE CO., INC	**450 Atlantic Ave, Rochester 9, NY**	**HU2-3460**
Cal	Joe M Davis	170 N. Robertson Blvd, Beverly Hills	OL5-9181
Ill	C M Rogers	175 W. Jackson Blvd, Chicago, Ill	WE9-4864
Kan	Newman Donnell	1004 Romany Rd, Kansas City, Mo	EM1-0518
Md	Geo Missell	1210 S. Charles St, Baltimore, Md	PL2-2391
NY	John L Sullivan	349 Broadway, New York, NY	WO6-4940
Pa	Walter Daub	33 N. Narberth Ave, Narberth, Pa	MO4-7417
	LABORATOIRE INDUSTRIEL DE PHYSIQUE APPLIQUEE	**67 Rue MA Colombier, Bagnolet Seine France**	**AV41-83**
	LABORATORY EQUIPMENT CORP	**Lakeview & Hilltop Rd, St. Joseph, Mich**	**YU3-5533**
	LABORATORY FOR ELECTRONICS INC	**1079 Commonwealth Ave, Boston 15, Mass**	**AL4-4235**
Cal	Lab for Electronics Inc	211 S. Beverly Dr, Beverly Hills, Cal	CR5-5327
Cal	LFE	4024 Via Opata, Palos Verdes, Cal	FR8-1015
Cal	Charles H Huffman	2923 Kelton Ave, Los Angeles 64, Cal	GR9-6171
Colo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	Joe Rosetta	734 Asylum St, Hartford 5, Conn	CH6-5686
DC	Matthew B Thorp	1520 K St, N.W., Wash 5, DC	EX3-4556
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ill	Burt Anderson & Associates	6414 W. Higgins Ave, Chicago 3, Ill	SP4-4174
Mass	George F George	Bedford Airport, Bedford, Mass	CR4-0010
Mass	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
NY	Robert A Arnold	1005 Laurel St, Rome, NY	
NY	Martin Electronics	69 Greenwich St, Hempstead, NY	IV3-4060
NY	Charles A Winrick Co	926 Riverview Rd, Schenectady 9, NY	ST5-8133
Ohio	William P Maughan	431 Renair Pl, Dayton 31, Ohio	CL3-8711
Pa	Haldsworth & Co	426 S. Springfield Rd, Lansdowne, Pa	MA6-8300
Tex	Industrial Assoc Electronics Inc	5007 E. Lancaster Ave, Fort Worth, Tex	
Va	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	Paramount Technical Agencies	9210 N.W. 28th Ave, Seattle 7, Wash	SU4-6447
Foreign	Representatives In Principal Countries & Cities		
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
	LAB-TRONICS INC	**3656 N. Lincoln, Chicago 13, Ill**	**GR7-7900**
Ark	Deltzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	MI4-5724
Cal	R Mark Markman Co	4260 Lankershim, N. Hollywood, Cal	TR7-3368
Cal	F W Moothroo Co	4260 Lankershim, N. Hollywood, Cal	TR7-3368
Conn	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
Del	Herman Lewis Co	1622 68 Ave, Philadelphia 26, Pa	LI8-1281
DC	Herman Lewis Co	1622 68 Ave, Philadelphia 26, Pa	LI8-1281
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Idaho	Paramount Agencies	3131 Western Ave, Seattle 1, Wash	AT4-1840
Ill	Levin Sacks & Assoc	2539 W. Peterson Rd, Chicago 45, Ill	LO1-7290
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	
Kan	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	
La	Deltzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	MI4-5724
Me	Robert Smith & Co	59 Verndale St, Brookline 46, Mass	AS7-0017
Md	John Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Mass	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mo	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mont	Paramount Agencies	3131 Western Ave, Seattle 1, Wash	AT4-1840
Nev	R Mark Markman Co	4260 Lankershim, N. Hollywood, Cal	TR7-3368
NH	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
NJ	Lewis Abeles	34 Plainfield Rd, Albertson, NY	
NY	Lewis Abeles	34 Plainfield Rd, Albertson, NY	
NC	The Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Okla	Deltzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	MI4-5724
Ore	Paramount Agencies	3131 Western Ave, Seattle 1, Wash	AT4-1840
Pa	Herman Lewis Co	1622 68 Ave, Philadelphia 26, Pa	LI8-1281
RI	Robert Smith Co	59 Verndale St, Brookline 46, Mass, RI	AS7-0017
SC	The Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	
Tenn	The Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
Tex	Deltzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	MI4-5724
Vt	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
Va	The Hilker Co	Box 5211, Winston-Salem, NC	PA5-8588
Wash	Paramount Agencies	3131 Western Ave, Seattle 1, Wash	AT4-1840
W. Va	John Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Wisc	Levin Sacks & Associates	2639 W. Peterson Rd, Chicago 45, Ill	LO1-7290
	LAINE ELECTRONICS INC	**93 Industrial Ave, Little Ferry, NJ**	
	LAKE CHEMICAL CO	**3052 W. Carroll Ave, Chicago 12, Ill**	**SA2-6065**
	LAKE MFG CO	**2323 Chestnut St, Oakland 7, Cal**	
Alaska	Effco Electronics	328-4th Ave, Anchorage, Alaska	44505
Ariz	Niles Radio Corp	400 N. 4th Ave, Tuscon, Ariz	
Cal	Alco Paramount	79 S. Third St, San Jose, Cal	CY7-7111
Cal	E D Jones Co	1485 Bayshore Blvd, San Francisco, Cal	JU6-7377
Cal	K - T Electronics	1885 Atlantic Ave, Long Beach, Cal	HE2-5471
Cal	Music Service Inc	2408 - 5th Ave, San Diego, Cal	BE2-2589
Cal	A J Semoni	2181 Weller Way, Sacramento, Cal	GI3-6438
Colo	Electronic Network Inc	1435 Market St, Denver, Colo	TA5-1248
Hawaii	Pacific Recording Co Ltd	609 Keawe St, Honolulu, Hawaii	5-2326
Idaho	Sound Systems Unlimited	504 Front St, Boise, Idaho	3-6811
Idaho	United Electronics Wholesale	328-3rd St, E., Twin Falls, Idaho	RE3-7324
Ind	Trimble Electric Co., Inc	4606 E. Michigan St, Indianapolis, Ind	
Iowa	Radio Trade Supply Co	1216 Grand Ave, Des Moines, Iowa	AT8-7237
Kan	McClelland Sound Inc	229 W. William St, Wichita, Kan	
Ky	T Sidney Smith	233 Fairfield Ave, Bellevue, Ky	
Mo	Audio Communications Inc	1515 Baltimore Ave, Kansas City, Mo	BE1-8366
Mont	Glacier State Electric Supply Co	108 S. 27th St, Billings, Mont	AL2-4663
Mont	Glacier State Electric Supply Co	112-1st Ave, S., Great Falls, Mont	GL4-1102
Neb	Joachim Radio Supply Co., Inc	1913 Broadway, Scotts Bluff, Neb	109
Neb	Omaha Electronics Co	2222 Leavenworth St, Omaha, Neb	AT3440
Nev	Electronic Service Co	204 S. Carson St, Carson City, Nev	
Nev	Jack Lang TV	Hunter Lake & Mayberry Dr, Reno, Nev	FA3-8332
ND	Electronic Center Inc	214 Broadway, Bismarck, ND	CA3-4200
ND	Wolter Electronics	402 N. "P" Ave, Fargo, ND	AD5-4886
Okla	W S Cox Radio & Sound	111 N.W. 9th, Oklahoma City, Okla	CE5-2525
Okla	Ridley's Inc	214-216 E. 10th St, Tulsa, Okla	DI3-8911
Ore	Hawthorne Electronics	700 S.W. Hawthorne Blvd, Portland, Ore	BE4-9375
Ore	Lighting Specialties	78 N.W. Couch St, Portland, Ore	CA6-3461
Ore	Rolfing's Radio & Tv	120 S.W. "H" St, Grant Pass, Ore	GR6-5335
Ore	Smeed Sound Service	790-8th Ave, W., Eugene, Ore	DI3-1654
SD	H & H Electric Co	1518 Sioux St, Sioux Falls, SD	
Tex	Chandler Sound Equipment	3407 Ross Ave, Dallas, Tex	TA1-9929
Tex	Parmelee Radio & Sound Service	2720 Montana St, El Paso, Tex	5-7531
Utah	Western Sound & Equipment	264 E. First, S., Salt Lake City, Utah	EM3-9974
Wash	C & G Radio Supply Co	2502 Jefferson Ave, Tacoma, Wash	BR2-3181
Wash	Mu-Sonic Service	N. 1202 Division St, Spokane, Wash	FA7-3322
Canada	Electronic Service Supply	210 North Ave, E. Alberta, Canada	
	LAMB ELECTRIC CO	**Lake St, Kent, Ohio**	**OR3-3451**
	LAMBDA ELECTRONICS CORP	**11-11 131st St, College Point 56, NY**	**IN1-8500**
	LAMINAIR INC	**18532 S. Broadway, Gardena, Cal**	**FA1-0545**
	LAMINATED SHEET PRODS CORP	**449 Neponset St, Norwood, Mass**	**NO7-3500**
Conn	Laminated Sheet Products Co., Inc	66 Erna St, Milford, Conn	TR8-3561
	LAMINATED SHIM CO., INC	**4601 Union St, Glenbrook, Conn**	**DA5-2631**
	LAMINATIONS CO	**302 Main St, Stamford, Conn**	**FI8-7013**
	LA MOTTE CHEMICAL PRODS CO	**Chestertown, Md**	
	LAMPKIN LABORATORIES INC	**Bradenton 1, Fla**	**6-1906**
	LAM-PLY INC	**Railroad Sq, Nashua 5, NH**	**TU2-5871**
	LAMTEX INDUSTRIES INC	**Motor Ave, Farmingdale, NY**	**MY4-2000**
Ariz	Western Engineering Co	8905 N. 17 Ave, Phoenix, Ariz	WI4-0431
Cal	Western Engineering Co	8905 N. 17 Ave, Phoenix, Ariz	WI4-0431
Cal	Jack Kaufman	126-25 Ave, San Mateo, Cal	FI1-4942
Colo	Western Engineering Co	829-15St, Denver, Colo	AM6-2714
Del	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
DC (Wash)	Dan P. Haines	706 Justin Way, Silver Spring, Md	JU5-3699
Fla	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Ga	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Idaho	Western Engineering Co	8905 N. 17 Ave, Phoenix, Ariz	WI4-0431
Kan	Associated Air Service	315 E. Harry St, Wichita, Kan	
Md	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Minn	Kenneth Tannehill	3223 E. 50 St, Minnpls 17, Minn	PA1-4470
Mo	Associated Air Service	P.O. Box 5, St. Ann, Mo	HA8-1490
Nev	George Ledbetter	16618 Ventura Blvd, Encino, Cal	
NJ	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
NM	Western Engineering Co	8905 N. 17 Ave, Phoenix, Ariz	WI4-0431
NY	R.D. Pond	20 Portsmouth Terrace, Rochester, NY	GR3-9846
Ohio	R.A. Paisley Co	20001 Lake Rd, Cleveland 16, Ohio	ED3-0569
Ore	James Findlay Co	P.O. Box 717, Bellevue, Wash	GL4-5200
Pa	Keefe Electronics Co	228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Tex	Associated Air Service	137 Walnut Hill Village, Dallas, Tex	FL2-2083
Utah	Western Engineering Co	8905 N. 17 Ave, Phoenix, Ariz	WI4-0431
Wash	James Findlay Co	P.O. Box 717, Bellevue, Wash	GL4-5200
W. Va	Keefe Electronics Co	228 E. Kings Hwg, Haddonfield, NJ	HA9-4650
Foreign	Dage Corp	219 E. 44 St, New York 17, NY	MU2-6755
Canada	Fibrelam Sales Co	19A Thompson Ave, Toronto Ont., Can	BE3-8573
	LANCASTER GLASS CORP	**Lancaster 20, Ohio**	**OL3-0311**
Cal	Fred Alleman Co	1625 Blake Ave, Los Angeles 39, Cal	CA2-8128
NY	Lancaster Glass Corp	1107 Broadway, New York, NY	CH3-5750
	LANCE ANTENNA CORP	**1730-1802 First St, San Fernando, Cal**	**EM1-8645**
Ala	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3134
Ariz	J W Marsh Co	305 Indian School Rd, Phoenix, Ariz	CR4-0060
Ariz	J W Marsh Co	4216-20 W. Jefferson Blvd, LA, Cal	RE2-0145

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Cal	Mueller Electronic Sales Co	3225 Exposition Pl, Los Angeles, Cal	AX5-3239
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Colo	Nelson Co	710 E. Louisana Ave, Denver 10, Colo	KE4-6751
Fla	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3134
Ga	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3134
Idaho	Nelson Co	710 E. Louisana Ave, Denver 10, Colo	RE4-6751
Ill	Haskell Associates	202 N. Marion, Oak Park, Ill	EU6-5741
Miss	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3134
Mont	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	KE4-6751
Nev	Sinai Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
NM	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	KE4-6751
NY	Irv Becker	635 E. 14th St, New York 9, NY	PL7-6454
NC	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3143
Okla	Fred Gross & Co	14025 Denton Dr, Dallas 21, Tex	
SC	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3143
Tenn	Milton M Shamitz	1272 Zimmer Dr, N.E., Atlanta 6, Ga	TR4-3143
Tex	Fred Gross & Co	14025 Denton Dr, Dallas 21, Tex	
Utah	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	KE4-6751
Wyo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	KE4-6751
	LAND-AIR INC	**7444 W. Wilson Ave, Chicago 31, Ill**	**UN7-7550**
	LANDIS & GYR INC	**45 W. 45 St, New York 36, NY**	**JU6-4444**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ariz	Paul F Wiley Co	1632 Silverlake Blvd, L A 26, Cal	NO3-8028
Cal	Ault Associates	120 Santa Margarita Ave, Menlo Park, Cal	DA6-1760
Cal	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles 26	NO3-8028
Conn	Instrument Dynamics Inc	75 Wilcox St, Milford, Conn	TR4-7764
Fla	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ill	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Ind	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Iowa	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Ky	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Minn	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Mo	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
Nev	P F Wiley Co	1632 Silverlake Blvd, Los Angeles, Cal	NO3-8028
Nev	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
NH	Instrument Dynamics Co	11 Albion St, Wakefield, Mass	CR6-5100
NC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ohio	Henger-Fairfield Co	1812 Columbus Rd, Cleveland 13, Ohio	CH1-1018
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR4-7764
SC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Wisc	Charles Walsh Associates	P.O. Box 244, Deerfield, Ill	ID2-5330
	LANDSVERK ELECTROMETER CO	**641 Sonora Ave, Glendale 1, Cal**	**CH5-6687**
	LANGEVIN DIV W L MAXSON CORP	**475 Tenth Ave, New York 18, NY**	**LO5-1900**
Ala	John Russell	2211 Shannon Ave, Raleigh, NC	LY2-6291
Conn	Zaslow Sales Co	108 Foxcroft Rd, West Hartford, Conn	AD6-3265
Fla	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
Ga	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
Md	Andrew Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Mass	Zaslow Sales Co	108 Foxcroft Rd, West Hartford, Conn	AD6-3265
NY	Robert Marcy Associates	1776 Broadway, New York, NY	CI5-3800
	LANSING SOUND INC., JAMES B	**3249 Casitas Ave, Los Angeles 39, Cal**	**NO5-4101**
Ala	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
Alaska	Dave Champlin Co	12528-22nd N.E., Seattle 55, Wash	EM2-0401
Ariz	R L Vern Linsley	2902 W. Villa Ave, Phoenix, Ariz	AP8-2266
Ark	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Cal	Heaton-Marco Associates	413 Lathrop St, Redwood City, Cal	EM9-5277
Cal	Pacific Audio Sales Inc	1933 S. Broadway, Los Angeles 7, Cal	RI7-7314
Colo	Stan Cluph & Associates	75 S Cody Ct, Denver 15, Colo	BE3-6025
Conn	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Del	Gene Rosen & Associates Inc	9501 Wadsworth Dr, Bethesda 14, Md	OL6-6300
DC	Gene Rosen & Associates Inc	9501 Wadsworth Dr, Bethesda 14, Md	OL6-6300
Fla	Winfield Electronic Sales Co	665 N.E. 125th St, N Miami, Fla	PL1-5566
Ga	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
Ill	Irving W Rose Associates	Merchandise Mart, Space 6-126, Chicago	SU7-5246
Ind	Kirsch Sales Co	107 Wabash Ave, La Fontaine, Ind	YU1-2801
Iowa	Forristal-Young Sales Co	4053 Broadway, Kansas City, Mo	VA1-5330
Kan	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis, Mo	PA5-7701
Ky	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
La	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Me	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3534
Md	Gene Rosen & Associates Inc	9501 Wadsworth Dr, Bethesda 14, Md	OL6-6300
Mass	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Mich	J Malcolm Flora Inc	45260 N Territorial, Plymouth Mich	GL3-4296
Minn	Hamilton & Bayle Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Miss	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	LY2-4715
Mo	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis, Mo	PA5-7701
Neb	Forristal-Young Sales Co	4053 Broadway, Kansas City, Mo	VA1-5330
Nev	Heaton-Marco Associates	413 Lathrop St, Redwood City, Cal	EM9-5277
Nev	Pacific Audio Sales Inc	1933 S. Broadway, Los Angeles 7, Cal	RI7-7314
NH	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
NJ	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NJ	Harold Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
NM	R L Vern Linsley	2902 W. Villa Ave, Phoenix, Ariz	AP8-2266
NY	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NY	Maury Farber Associates	70 W Chippewa, Buffalo 2, NY	MO3543
ND	Hamilton & Bayle Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Okla	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Ore	Dave Champlin Co	12528-22nd N.E., Seattle 55, Wash	EM2-0401
Pa	Harold Blumenstein	123 Crosshill Rd, Philadelphia 31, Pa	MI9-9523
Pa	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
RI	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
SD	Hamilton & Bayle Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Tenn	Robert G Thomas	942 S. 53rd St, Birmingham 12, Ala	
Tex	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Tex	R L Vern Linsley	2902 W. Villa Ave, Phoenix, Ariz	AP8-2266
Utah	Stan Cluph & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
Vt	Paul W Nief Associates	15 Oak St, Westport, Conn	CA7-3834
Va	Gene Rosen & Associates Inc	9501 Wadsworth Dr, Bethesda 14, Md	OL6-6300
Wash	Dave Champlin Co	12528-22nd N.E., Seattle 55, Wash	EM2-0401
W. Va	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Wisc	Irving W Rose Associates	Space 6-126, Chicago, Ill	SU7-5246
Wisc	Hamilton & Bayle Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Wyo	Stan Cluph & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BG9-7751
Canada	Alex L Clark Ltd	3751 Bloor St, W., Islington, Ont, Canada	BE1-3303
Canada	Dave Champlin Co	12528-22nd N.E., Seattle 55, Wash	EM2-0401
	LANSKY DIE CUTTING CORP	**473 President St, Brooklyn 15, NY**	**UL2-5346**
	LAPOINTE INDUSTRIES, INC	**155 W. Main St, Rockville, Conn**	**TR5-3351**
Ill	Sobel & Associates	7603 Forsyth Blvd, Clayton, Mo	PA6-4616
Iowa	Manufacturers' Sales Co	6301 Wayzata Blvd, Minnpls, Minn	LI5-1223
Mich	Engineers & Equipment Co	18055 James Couzens Hwy, Detroit 35	DI1-5943
Minn	Manufacturers' Sales Co	6301 Wayzata Blvd, Minnpls 16, Minn	LI5-1223
Mo	Sobel & Associates	7603 Forsyth Blvd, Clayton 5, Mo	PA6-4616
NJ	Varrelman-Gorman Co	Box 206, Livingston, NJ	IN3-5000
NY	Varrelman-Gorman Co	Box 206, Livingston, NJ	IN3-5000
Ohio	Engineers & Equipment Co	18055 James Couzens Hwy, Detroit, Mich	DI1-5943
Wisc	Manufacturers' Sales Co	6301 Wayzata Blvd, Minnpls, Minn	LI5-1223
	LAPP INSULATOR CO., INC., RADIO SPECIALTIES DIV	**31 Gilbert St, Le Roy, NY**	**LE385**
Cal	Earl S Condon Co	3450 Wilshire Blvd, Los Angeles, Cal	DU1-3951
Cal	D E Ingalls	1485 Bayshore Blvd, San Francisco, Cal	JU6-0332
DC	Rumsey Electric Co	1425 H St, N. W., Washington, DC	RE7-8117
Fla	Belcher & Association	8751 Atlantic Blvd, Jacksonville, Fla	RA4-7811
Fla	Belcher & Association	61 N.E. Second St, Miami, Fla	FR1-1700
Fla	Belcher & Associates	710 Central Ave, St Petersburg, Fla	7-7575
Hawaii	Honolulu Electric Prods Co Ltd	P.O. Box 459, Honolulu, Hawaii	
Ill	J S G Electric Co	6030 Northwest Hwy, Chicago, Ill	NE1-9500
Mass	James Kelsc Co	90 Boylston St, Boston, Mass	HU2-3256
Mo	Williams & McKinley Sales Co	417 Grand Ave, Kansas City, Mo	GR1-6868
NY	Vincent J Brown Co	564 Ellicott Sq Bldg, Buffalo, NY	CL1122
NY	Joseph & Canning Inc	111 Broadway, New York, NY	CO7-0276
NY	Vincent J Brown Co	318 Harrison St, Syracuse, NY	GR1-3485
NC	Jake Rudisell Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Ohio	Harry Fisher Associates Inc	7016 Euclid Ave, Cleveland, Ohio	UT1-5757
Ohio	Harry Fisher Associates Inc	126 Portage Trail, Cuyahoga Falls, Ohio	WA8-1115
Ohio	Harry Fisher Associates Inc	6960 Market St, Youngstown, Ohio	SK8-4569
Pa	Rumsey Electric Co	1007 Arch St, Philadelphia, Pa	MA7-6900
Pa	Muller Harper & Associates Inc	First National Bank Bldg, Pittsburgh	AT1-5757
Tex	Elgin B Robertson Inc	1339 Plowman St, Dallas, Tex	WH2-3157
Tex	Elgin B Robertson Inc	4101 San Jacinto St, Houston, Tex	JA9-3797
Wash	C F James	905 Lloyd Bldg, Seattle, Wash	EL1531
Wisc	J S G Electric Co	2220 S 108th St, Milwaukee, Wisc	[illegible]3-7100
Canada	C T Shaw [illegible]	[illegible] Lucerne Rd, Montreal, Quebec, Can	RI8-7010
Canada	H Peters	Box 33, Weston P.O., Toronto, Ontario, Canada	
	LARSON INSTRUMENT CO	**24 Orchard St, Tarrytown, NY**	**ME1-3419**
Colo	Tex-O-Koma Sales	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Conn	Equipment Sales	P.O. Box 6098, New Haven, Conn	CH8-5581
Del	Polymetric Devices	P.O. Box 236, Glenside, Pa	TU7-4873
DC	Polymetric Devices	P.O. Box 236 Glenside, Pa	TU7-4873
Kan	Tex-O-Koma Sales	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Me	Equipment Sales	5 Elm St, Danvers, Mass	SP4-2400
Md	Polymetric Devices	P.O. Box 236, Glenside, Pa	TU7-4873
Mass	Equipment Sales	5 Elm St, Danvers, Mass	SP4-2400
NH	Equipment Sales	5 Elm St, Danvers, Mass	SP4-2400
NJ	R M C Associates	391 Grand Ave, Englewood, NJ	LO7-3933
NM	Tex-O-Koma Sales	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
NY	R M C Associates	236 E. 75th St, New York 21, NY	TR9-2023
NY	Tesco Associates	114 Miles Ave, Syracuse, NY	HO3-4533
Pa	Polymetric Devices	P.O. Box 236, Glenside, Pa	TU7-4873
RI	Equipment Sales	5 Elm St, Danvers, Mass	SP4-2400
Tex	Tex-O-Koma Sales	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Vt	Equipment Sales	5 Elm St, Danvers, Mass	SP4-2400
Va	Polymetric Devices	P.O. Box 236, Glenside, Pa	TU7-4873
	LARSON MFG CO., R W	**Montville, NJ**	**DE4-2432**
	LAVEZZI MACHINE WORKS	**4635 W.Lake St, Chicago 44, Ill**	**ES8-1636**
Ariz	Fred J Schoeffler	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
Ill	A K Wanner	356 W. Huron, Chicago, Ill	SU7-4841
Ind	Jack Walsh	411 East Dr, Marshall, Mich	ST1-2322
Mich	Jack Walsh	411 East Dr, Marshall, Mich	ST1-2322
Nev	Fred J Schoeffler	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
NM	Fred J Schoeffler	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
Utah	Fred J Schoeffler	5822 S. Wilshire Dr, Tucson, Ariz	AX8-6173
	LAVINO & CO., E J	**3 Penn Center Plaza, Philadelphia 2, Pa**	**LO8-2000**
	LAVOIE LABORATORIES INC	**Morganville, NJ**	**LO6-2600**
Ala	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Ariz	The Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	The Kittleson Co	416 N. LaBrea Ave, Los Angeles 36	WE3-7371
Cal	The Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Conn	Michael S Coldwell	289 Fairfield Ave, Hartford, Conn	JA2-5832
Del	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
DC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Fla	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Ga	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	CH1-2941
Idaho	Burt C Porter	1209 Poplar Pl, Seattle 24, Wash	EA3-8330

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago, Ill	ES9-2700
Ill	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	JE1-2075
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	Electro Sales Association	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Iowa	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	JE1-2075
Kan	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	JE1-2075
Ky	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
La	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Me	Michael S Coldwell	289 Fairfield Ave, Hartford, Conn	JA2-5832
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Mass	Michael S Coldwell	41 Lancaster Rd, Needham 92, Mass	HI4-1142
Mich	Electro Sales Association	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Minn	R Edward Stemm Inc	123 S. 3rd St. Minneapolis 1, Minn	FE5-7172
Miss	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Mo	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	JE1-2075
Mont	Burt C Porter	1209 Poplar Pl, Seattle 24, Wash	EA3-8330
Neb	Edwin H Murty	3505 Ridgedale Ave, St. Louis 20, Mo	JE1-2075
Nev	The Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
NH	Michael S Coldwell	289 Fairfield Ave, Hartford, Conn	JA2-5832
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NM	The Kittleson Co	1511 Lincoln Ave, Alamo Gordo, NM	HE7-2780
NY	J A Reagan Co., Inc	45 N. Lake Ave, Albany 3, NY	AL6-9649
NY	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Ohio	Electro Sales Association	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Ohio	Electro Sales Association	Dabel Sta, Box 143, Dayton 20, Ohio	CH4-5551
Okla	Michell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA6-4444
Ore	Burt C Porter	1209 Poplar Pl, Seattle 24, Wash	EA3-8330
Pa	L A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
Pa	Electro Sales Association	281 E. 216th St, Euclid 23, Ohio	RE2-7444
RI	Michael S Coldwell	289 Fairfield Ave, Hartford, Conn	JA2-5832
SC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tenn	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tex	Mitchell Spears Co	4944 James Ave, Ft Worth 15, Tex	WA6-4444
Vt	Michael S Coldwell	289 Fairfield Ave, Hartford, Conn	JA2-5832
Va	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Wash	Burt C Porter	1209 Poplar Pl, Seattle 24, Wash	EA3-8330
W. Va	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Wisc	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Foreign	Rocke Int'l Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Instronics Ltd	Box 100, Stittsville, Ontario, Canada	TA8-1253
Canada	Instronics Ltd	21 Benleigh Dr, Scarborough, Ontario, Canada	AX3-7806

LAWN ELECTRONICS CORP ..... Woodward Rd, Englishtown, NJ GI6-9000

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEACH CORP	18435 Susana Rd, Compton, Cal	NE6-1061
Ariz	Brooks-Feeger Associates	478 Scottsdale, Scottsdale, Ariz	WH6-2111
Ariz	Howe & Howe Sales	P.O.Box 10152, Phoenix, Ariz	AM5-9185
Cal	Jack Kaufman	126 25th Ave, San Mateo, Cal	FI1-4942
Colo	Brown Technical & Associated Sales	130 S. Yarrow St, Lakewood 15, Colo	BE7-3467
Colo	Brooks-Feeger Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
DC	F R Jodon Inc	8510 Beech Tree Rd, Wash 14, DC	
Fla	Johnson Associates of Florida	P.O.Box 1576, Casselberry, Fla	MI4-3311
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ga	A C Craft & Associates	3130 Maple Dr, Atlanta 5, Ga	CE3-9944
Ill	Ridgeway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Ind	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis 8, Ind	WA3-8888
Ind	Ridgeway Associates Inc	1224 N. Capitol Ave, Indianapolis 7, Ind	ME5-2401
Kan	H A Roes & Co	421 S. Main St, Wichita, Kan	AM2-1454
La	Electron Equipment Co., Inc	1050 Constance St, New Orleans, La	JA5-5204
Md	F R Jodon Inc	2408 Burridge Rd, Baltimore, Md	NO8-1933
Md	Leo T McCourt & Son	610 Washington Ave, Towson, Md	VA3-3455
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mass	White Sales Co	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mass	Benson Funk Inc	27 Mica Ln, Wellsly Hills, Mass	CE5-5950
Mich	Ridgeway Associates Corp	1204 N. Woodward, Royal Oak, Mich	LI8-4440
Mich	George R Home & Co	22187 W. Michigan, Dearborn, Mich	LO1-1360
Minn	Kenneth L Tannehill Inc	2534 25th Ave, S., Minneapolis 6, Minn	PA1-5963
Mo	H A Roes & Co	2601 Cherry, Kansas City 8, Mo	BA1-0866
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
NJ	Kenneth E Hughes Co	4808 Bergenline Ave, Union City, NJ	UN7-3204
NJ	Billis Sales Co	50 Baldwin Ln, Levittown, NJ	TR7-3417
NM	Brooks-Feeger Associates	1122-C San Mateo, S.E., Albuquerque	AM8-1724
NY	Arseco Inc	158-18 Rockaway Blvd, Jamaica, NY	FI1-2800
NY	Kenneth E Hughes Co	P.O. Box 54, Fayetteville, NY	NE7-9531
NY	D F Wasin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NY	Naylor Electric Co	1718 Erie Blvd, Syracuse 3, NY	GR2-9183
Ohio	Ridgeway Associates Corp	3130 Fairhills Ave, Dayton 29, Ohio	AX3-2167
Ohio	Ridgeway Associates Corp	5915 Schaaf Rd, Cleveland 31, Ohio	LA4-1421
Ohio	Jay Engineering Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Ohio	Jay Engineering Co	5413 Pearl Rd, Cleveland 29, Ohio	TL4-4080
Okla	Joseph W Turner Associates	4140 S. Peoria, Tulsa, Okla	RI2-8587
Ore	Shaffer & Nelson	139 S.E. Taylor Ave, Portland, Ore	SE4-7437
Pa	R R Kovach	37 Alton Dr, Pittsburgh, Pa	TE5-6295
Pa	Kenneth E Hughes Co	101 N. 33rd St, Philadelphia 4, Pa	EV6-3130
Tex	Dannemiller-Smith Inc	6218-B Westminster Rd, Houston, Tex	HO5-8347
Tex	Dannemiller-Smith Inc	2712 N. Mockingbird Ln, Dallas, Tex	FL7-8249
Wash	Shaffer & Nelson	312 Occidental Ave, Seattle 24, Wash	MU2-0186
Wash	Shaffer & Nelson	P.O. Box 198, Spokane 10, Wash	
Wash	Avionics Liaison Inc	Boeing Field, Box 15, Seattle 8, Wash	PA3-7602
Canada	Brian Engineering Ltd	5275 Van Horne Ave, Montreal, P Q, Can	RE7-2800

LEACH & GARNER CO INDUSTRIAL DIV ..... Attleboro, Mass AT1-1155

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Cal	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Colo	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Conn	Norman Curtis	P.O. Box 307, Taunton, Mass	VA2-7010
Del	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
DC	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
Idaho	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ill	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ind	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Iowa	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Kan	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Ky	Schenck & Brower Associates	2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Me	Norman Curtis	P.O.Box 307, Taunton, Mass	VA2-7010
Md	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
Mass	Norman Curtis	P.O.Box 307, Taunton, Mass	VA2-7010
Mich	Jerry Gitre & Co	12909 W. Eight Mile Rd, Detroit 35, Mich	DI1-9270
Minn	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Mo	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Mont	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Neb	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Nev	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
NH	Norman Curtis	P.O Box 307 Taunton, Mass	VA2-7010
NJ	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
NM	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
NY	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
NC	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
ND	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Ohio	Ed Bock & Associates	3720 W 212th St, Cleveland 26, Ohio	ED1-4632
Ohio	Schenck & Brower Associates	2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Okla	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Ore	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Pa	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
RI	Norman Curtis	P.O.Box 307, Taunton, Mass	VA2-7010
SC	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
SD	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Tex	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Utah	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
Vt	Norman Curtis	P.O.Box 307, Taunton, Mass	VA2-7010
Va	Sam Greenbaum	608 Fifth Ave, New York, NY	CI5-8090
Wash	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219
W Va	Schenck & Brower & Associates	2263 W. Schantz Ave, Dayton 9, Ohio	AX9-4144
Wisc	Roger Snow	400 Landmeier Rd, Elk Grove Village, Ill	HE7-0119
Wyo	Ken Babin	4287 Klump Ave, N. Hollywood, Cal	TR7-4219

LEAK AUDIO PRODUCTS ..... 80 Shore Rd, Pt. Washington, NY PO7-7700
Sales Representatives: See Garrard Sales Corp

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEAR, INC	3171 S. Bundy Dr, Santa Monica, Cal	EX1-7211
Cal	Lear, Inc	267 Town & Country Vlg, Un 4, Palo Alto	DA1-1532
Cal	Lear, Inc	3445 5th Ave, San Diego, Cal	CY8-4389
Conn	Lear, Inc	2701 Summer St, Stamford, Conn	DA5-4151
DC (Wash)	Lear, Inc	1701 K St N.W., Washington 6, DC	ST3-3646
Fla	Lear, Inc	4475 N.W. 36th St, Miami Springs 66, Fla	TU5-2312
Ga	Lear, Inc	2025 Peachtree Rd N.E., Atlanta 9, Ga	TR5-9124
Mich	Lear, Inc	110 Ionia St N.W, Grand Rapids 2, Mich	GL1-1542
Mo	Lear, Inc	Box 6092, Lambert Arpt Br, St Louis 21	PE1-3069
Ohio	Lear, Inc	333 W. First St, Dayton 2, Ohio	BA2-5524
Tex	Lear, Inc	6100 Camp Bowie Blvd, Forth Worth, Tex	PE8-2571
Wash	Lear, Inc	Box 60, Boeing Field, Seattle 8, Wash	PA3-6274

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEAR-ROMEC DIV LEAR INC	Abbe Rd, Elyria, Ohio	FA3-3211
Cal	Grotenrath/Fancher	3171 S. Bundy Dr, Santa Monica, Cal	EX1-7211
Colo	C L Rowe	450 S. Sycamore St, Littleton, Colo	PY4-6072
Conn	Graf/Hinchey	2701 Summer St, Stamford, Conn	DA5-4151
DC	I S Noland	1701 K St, Wash 6, DC	ST3-3646
Ga	W E Sullivan	2025 Peachtree St, Atlanta, Ga	TR5-9124
Tex	W B St. John	6100 Camp Bowie Blvd, Ft. Worth, Tex	PE8-2571

LECLANCHE S. A ..... Yverdon, Switzerland

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LECTROHM INC	5560 Northwest Hwy, Chicago 30, Ill	RO3-1700
Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Ark	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex
Cal	Logan Sales Co	154 8th St, San Francisco, Cal
Cal	George S Tivy	2290 W 11th St, Los Angeles 6, Cal
Conn	Abbett & Hustis	P.O. Box 293, Needham 92, Mass
Del	Alan W Colen	6222 Ridge Ave, Philadelphia, Pa
DC	Electronic Wholesalers	2345 Sherman Ave, N.W., Washington
Fla	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Ga	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Ill	Rinaldi Sales	5560 Northwest Hwy, Chicago 30, Ill
Ind	H J Blind & Associates	1508 Winton St, Indianapolis, Ind
Ky	H J Blind & Associates	1508 Winton St, Indianapolis, Ind
La	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex
Me	Abbett & Hustis	P.O. Box 293, Needham 92, Mass
Md	Electronic Wholesalers	2345 Sherman Ave, N.W., Washington, DC
Mass	Abbett & Hustis	Box 293, Needham 92, Mass
Mich	Rinaldi Sales	5560 Northwest Hwy, Chicago 30, Ill
Mich	Carl H Schmidt Co	16405 W. 8 Mile Rd, Detroit, Mich
Mich	E A Dickinson & Associates	4117 N. Green Bay Rd, Milwaukee, Wisc
Minn	E A Dickinson & Associates	4117 N. Green Bay Rd, Milwaukee, Wisc
Miss	Atcheson & Adams	601 N. Elm St, Greensboro, NC
NH	Abbett & Hustis	P.O. Box 293, Needham 92, Mass
NJ	Paul D Aaron	Professional Bldg, Port Washington, NY
NJ	Alan W Colen	6222 Ridge Ave, Philadelphia, Pa
NJ	Arthur M Harris	4234 195th, Flushing 58, NY
NY	Arthur M Harris	4234 195th, Flushing 58, NY
NY	Paul D Aaron	Professional Bldg, Port Washington, NY
NY	Fowler & Beach	3700 East Ave, Rochester 9, NY
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Ohio	Carl H Schmidt Co	16405 W. 8 Mile Rd, Detroit, Mich
Ohio	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights, Ohio
Okla	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex
Pa	Alan W Colen	6222 Ridge Ave, Philadelphia, Pa
Pa	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights, Ohio
Pa	Fowler & Beach	3700 East Ave, Rochester 9, NY
SC	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Tenn	Atcheson & Adams	601 N. Elm St, Greensboro, NC
Tex	Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex
Vt	Abbett & Hustis	P.O. Box 293, Needham, Mass

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Va	Electronics Wholesalers	2345 Sherman Ave, N.W., Washington, DC
W. Va	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights, Ohio
Wisc	E A Dickinson & Associates	4117 N. Green Bay Rd, Milwaukee, Wisc

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEDEX INC	123 Webster St, Dayton 2, Ohio	BA4-9891
Ala	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Ark	Dayton Office	
Cal	Ledex Inc	4331 1/4 Leimert Blvd, Los Angeles, Cal	AX2-9183
Cal	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	K C Stevens	235 Bedford St, Lexington, Mass	VO2-1812
Del	V Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
DC	V Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
Fla	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Ga	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Ill	Bierhaus-Balhorn Sales Inc	7185 W. Armitage, Chicago 35, Ill	TU9-5011
Ill	Ledex Inc	10 Thorncliff Ln, Kirkwood 22, Mo	YO5-6801
Iowa	Ledex Inc	10 Thorncliff Ln, Kirkwood 22, Mo	YO5-6801
Kan	Ledex Inc	10 Thorncliff Ln, Kirkwood 22, Mo	YO5-6801
Me	K C Stevens	235 Bedford St, Lexington 73, Mass	VO2-1812
Md	V Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
Mass	K C Stevens	235 Bedford St, Lexington, Mass	VO2-1812
Mich	James P Kosta Jr	Box 292, Birmingham, Mich	MI6-9151
Minn	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee 9, Wisc	CO4-1080
Mo	Ledex Inc	10 Thorncliff Ln, Kirkwood 22, Mo	YO5-6801
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Ledex Inc	10 Thorncliff Ln, Kirkwood 22, Mo	YO5-6801
Nev	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
NH	K C Stevens	235 Bedford St, Lexington 73, Mass	VO2-1812
NJ	Ledex Inc	10 Park Pl, Morristown, NJ	JE8-7817
NM	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM	AM8-1111
NY	G H Leland Inc	10 Park Pl, Morristown, NJ	JE8-7817
NC	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Ore	Dale Thompson	Boeing Field, Seattle 8, Wash	PA3-9000
Pa	V Malta	P.O. Box 4007, Philadelphia, Pa	VE6-5122
RI	K C Stevens	235 Bedford St, Lexington 73, Mass	VO2-1812
SC	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Tenn	Alson Flaugher Jr	P.O. Box 4254, Birmingham 6B, Ala	VE3-5231
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1765
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	K C Stevens	235 Bedford St, Lexington 73, Mass	VO2-1812
Va	V Malta	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Wash	Dale Thompson	Boeing Field, Seattle 8, Wash	PA3-9000
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver Colo	WE6-3456
Canada	Marsland Engineering Ltd	154 Victoria St, Kitchener, Ontario	SH5-9486
Foreign	NSF Limited	31-32 Alfred Pl, London WC 1, England	
Foreign	NSF Nurnberger Schraubenfabrik und Elektrowerk, GmbH	Further Strasse 101a Nurnberg, West Germany	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEE ELECTRIC INC	566-52nd St, West New York, NJ	UN6-3656
Colo	Bach Associates	191 Oneida St, Denver, Colo
Ga	D D Camp Co	230 Peters St, S.W., Atlanta, Ga
Mo	Ajax Electric Sales Co	1828 S. 18th St, St. Louis, Mo
NY	Lee Electric Inc	566-52nd St, West New York, NJ
Pa	J Friedman Associates	Park Dr Manor, Lincoln Dr, Philadelphia 44, Pa

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEE ELECTRIC & MFG CO	2806 Clearwater St, Los Angeles 39, Cal	NO3-1295
Cal	Robert Young Co	3901 San Fernando Rd, Glendale 4, Cal	CH5-3721
Cal	H R Kaewert	750 Natoma St, San Francisco 3, Cal	HE1-0464

LEE SPRING CO ..... 32 Main St, Brooklyn 1, NY UL5-7163

LEECRAFT MFG CO., INC ..... 60 Greene St, Dept 18, New York 12, NY WO6-2855

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEEDS & NORTHRUP CO	4901 Stenton Ave, Philadelphia 44, Pa	DA9-4900
Cal	Leeds & Northrup Co	1190 Monterey Pass Rd, Monterey Park	AN9-3191
Cal	Leeds & Northrup Co	1095 Market St, San Francisco 3, Cal	MA1-3464
Colo	Leeds & Northrup Co	1545 Glen Arm Pl, Denver 2, Colo	AC2-1808
Conn	Leeds & Northrup Co	2535 Albany Ave, Hartford 17, Conn	AD2-4474
Ga	Leeds & Northrup Co	3084 Grandview Ave, N.E., Atlanta 5, Ga	CE7-8624
Ill	Leeds & Northrup Co	307 N. Michigan Ave, Chicago 1, Ill	CE6-3428
Ind	Leeds & Northrup Co	3513 N. Hovey St, Indianapolis 18, Ind	WA6-2462
Iowa	Leeds & Northrup Co	Des Moines, Iowa	DA6-3100
La	Leeds & Northrup Co	Baton Rouge, La	DI3-4065
Md	Leeds & Northrup Co	311 E. Pennsylvania Ave, Towson 4, Md	VA5-7710
Mass	Leeds & Northrup Co	430 Lexington St, Auburndale 66, Mass	LA7-9360
Mich	Leeds & Northrup Co	18240 James Couzens Hwy, Detroit 35	DI1-2320
Mich	Leeds & Northrup Co	Grand Rapids, Mich	GL4-2161
Mo	Leeds & Northrup Co	7935-A1 State Line Rd, Kansas City 14	JA3-8199
Mo	Leeds & Northrup Co	8000 Bonhomme Ave, St. Louis 5, Mo	PA6-0853
NJ	Leeds & Northrup Co	99 Washington St, E. Orange, NJ	OR2-3420
NY	Leeds & Northrup Co	711 Third Ave, New York 17, NY	MU7-4133
NY	Leeds & Northrup Co	3685 Harlem Rd, Buffalo 15, NY	AT8900
NC	Leeds & Northrup Co	Winston-Salem, NC	PA3-0693
Ohio	Leeds & Northrup Co	1465 Northwest Blvd, Columbus 21, Ohio	HU6-7146
Ohio	Leeds & Northrup Co	1922 E. 107th St, Cleveland 6, Ohio	SW1-5100
Ohio	Leeds & Northrup Co	8005 Plainfield Rd, Cincinnati 36, Ohio	SY1-2274
Okla	Leeds & Northrup Co	8 E. 4th St, Tulsa 3, Okla	GI7-3720
Ore	Leeds & Northrup Co	Portland, Ore	CA8-1604
Pa	Leeds & Northrup Co	Ft. Wash Industrial Park, Ft., Wash, Pa	MI6-6500
Pa	Leeds & Northrup Co	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-7808
Tex	Leeds & Northrup Co	3939 Essex Ln, Houston 27, Tex	MO7-7481
Utah	Leeds & Northrup Co	455 E. 4th S., Salt Lake City 11, Utah	DA8-8861
Va	Leeds & Northrup Co	Richmond, Va	MI4-8379
Wash	Leeds & Northrup Co	1311 Republican St, Seattle 9, Wash	MA3-5505
Wisc	Leeds & Northrup Co	828 N. Broadway, Milwaukee 2, Wisc	BR2-1016

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	LEESONA CORP	P. O. Box 1605, Providence 1, RI	WI1-5200
Cal	E G Paules Co	1762 W. Vernon Ave, Los Angeles, Cal

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ill	Leesona Corp	9 S. Clinton, Chicago 6, Ill
Pa	Leesona Corp	1500 Walnut St, Philadelphia 2, Pa
Canada	W J Westaway & Co	Main & McNab Sts, Hamilton, Ontario, Canada
	LEETRONICS INC	**30 Main St, Brooklyn 1, NY** **UL5-7163**
Ala	E C Raymond & Associates	P.O.Box 8215, Madeira Beach, Fla WA1-9735
Ariz	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz AL4-4664
Cal	E V Roberts & Associates	5068 W. Wash. Blvd, Los Angeles 16, Cal WE8-2541
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal LY3-7878
Cal	E V Roberts & Associates	4379 Thirtieth St, San Diego 4, Cal AT1-6787
Conn	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
Del	L G White Co	108 Forrest Ave, Narbarth, Pa MO4-6505
DC	L G White Co	880 Bonifant St, Silver Spring, Md JU5-3141
Fla	E C Raymond & Associates	P.O.Box 8215, Madeira Beach, Fla WA1-9735
Ga	E C Raymond & Associates	P.O.Box 8215, Madeira Beach, Fla WA1-9735
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill PE6-3107
Ind	R S Drummond	P.O.Box 2657, Cincinnati 37, Ohio ME1-5526
Iowa	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn WE9-2631
Me	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
Md	L G White & Co	212 Washington Ave, Towson 4, Md VA3-8701
Mass	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
Mich	S Sterling Co	15310 McNichols Rd, Detroit, Mich BR3-2900
Minn	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn WE9-2631
Nev	E V Roberts & Associates	5068 W. Washington Blvd, L A, Cal WE8-2541
NH	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
NJ	Podeyn & Schmidt	207 Hackensack St, Wood-Ridge, NJ GE8-2780
NM	E V Roberts & Associates	112 Tulane Dr, S.E., Albuquerque, NM AL5-7304
NY	David S Launt	200 Sunny Crest Rd, Syracuse, NY HE7-8181
NY	Podeyn & Schmidt	420 Northern Blvd, Great Neck, NY HU7-1173
NC	L G White & Co	P.O.Box 2356, Winston-Salem, NC WI5-3612
ND	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn WE9-2631
Ohio	R S Drummond	P.O.Box 2657, Cincinnati, Ohio ME1-5526
Pa	L G White & Co	108 Forrest Ave, Narbarth, Pa MO4-6505
RI	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
SD	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn WE9-2631
Tenn	L G White & Co	P.O.Box 2356, Winston-Salem, NC WI5-3612
Vt	J J Goode Associates	P.O.Box 176, Wellesley Hills, Mass CE5-0552
Va	L G White & Co	880 Bonifant St, Silver Spring, Md JU5-3141
W. Va	L G White & Co	880 Bonifant St, Silver Spring, Md JU5-3141
Wisc	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago, Ill PE6-3107
Canada	Prime Electronics Components Ltd	868 Dundas Hwy, E. Dixie, Ont, Can AT9-3361
	LEIGHTON LABS., H W	**Sunset Ln & York Rd, Horsham, Pa.** **OSS-3300**
	LEHIGH METAL PRODUCTS CO.	**134 Alewife Brook Pkwy, Cambridge, Mass** **UN4-9500**
	LEIMAN BROS	**148 Christie St, Newark, NJ** **MA3-7520**
Ariz	Simonds Pump Co	455 E. 4th St, Los Angeles, Cal
Cal	Simonds Pump Co	455 E. 4th St, Los Angeles 13, Cal
Cal	Simonds Machinery Co	816 Folsom St, San Francisco 7, Cal
Conn	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
Fla	Southeastern States Engineering Co	15329 Gulf Blvd, St. Petersburg, Fla
Ill	Squire-Cogswell Co	4151 N. Kedzie Ave, Chicago 18, Ill
Ind	Jackson Engineering Co., Inc	P.O. Box 88121, Indianapolis 8, Ind
Iowa	T O Berreau Co	2204 E. 25th St, Minneapolis 4, Minn
Kan	Baker Engineering & Equipment Co	702 W. Douglas, Wichita, Kan
Ky	Romano Engineering Co	P.O. Box 67, Cincinnati, Ohio
Me	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
Md	Carey Machinery & Supply Co	3501 Brehms Ln, Baltimore 3, Md
Mass	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
Mich	Industrial Air & Hydraulic Equip Co	13324 Kercheval Ave, Detroit 15, Mich
Minn	T O Berreau Co	2204 E. 25th St, Minneapolis 4, Minn
Mo	Baker Fluid Power Inc	3323 Summit St, Kansas City 11, Mo
Mo	James B Flaherty & Co	P.O. Drawer D, St. Louis 19, Mo
NH	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
NY	Frank X Montbach	225 Sagamore Dr, Rochester 17, NY
NC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC
Ohio	Great Lakes Supply Co	4115 E. 116th St, Cleveland 5, Ohio
Ohio	Romano Engineering Co	P.O. Box 67, Cincinnati 27, Ohio
Ohio	Ohio Pump Co	384 Aetna St, Salem, Ohio
Pa	Magnus Co	P.O. Box 7943, Pittsburgh 16, Pa
Pa	Link Engineering Co	P.O. Box 363, Narberth, Pa
RI	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
SC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC
Tenn	Crotts & Saunders Engineering Inc	233 N. Main St, Winston-Salem, NC
Tex	Southwestern Controls	4716 Eli St, Houston 19, Tex
Vt	Ober Co	Mt. Carmel, P.O. Box 56, New Haven 18, Conn
Va	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC
W. Va	Magnus Co	P.O. Box 7943, Pittsburgh 16, Pa
Wisc	Squire-Cogswell Co	4151 N. Kedzie Ave, Chicago 18, Ill
	LEL INC	**380 Oak St, Copiague, NY** **AM4-2200**
Ala	DBM Research Corp	Stoddard Bldg, Cocoa Beach, Fla SU3-2438
Alaska	Paratech Agencies	9210 28th Ave, N.W., Seattle, Wash SU4-6447
Ariz	J E Hachlen Co	8413 Las Tunas, San Gabriel, Cal CU3-7951
Ark	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex JE1-1132
Cal	J E Hachlen Co	8413 Las Tunas, San Gabriel, Cal CU3-7951
Conn	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md OL4-1767
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md OL4-1767
Fla	DBM Research Corp	Stoddard Bldg, Cocoa Beach, Fla SU3-2438
Ga	DBM Research Corp	Stoddard Bldg, Cocoa Beach, Fla SU3-2438
Hawaii	Dage Corp	219 E. 44 St, New York 17, NY MU2-6755
Idaho	Paratech Agencies	9210 28th Ave, N.W., Seattle, Wash SU4-6447
Kan	Industrial Associated Electronics	724 S. Broadway, Wichita, Kan AM5-2567
La	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex JE1-1132
Me	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md OL4-1767
Mass	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
NH	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
NJ	Central Associates Inc	44 N. Dean St, Englewood, NJ LO8-0808
NJ	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa LI8-8043
NM	Industrial Associated Electronics	410 E. Central, Albuquerque, NM CH3-3585
NY	J A Reagan Co	45 N. Lake Ave, Albany, NY HE6-9649
NY	Central Associates	11 Neil Ln, Old Bethpage, NY MY4-4827
NC	Jake Rudisill Associates	2009 N. Tryon St, Charlotte, NC FR6-4792
Okla	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex JE1-1132
Ore	Paratech Agencies	9210 28th Ave, N.W., Seattle, Wash SU4-6447
Pa	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa LI8-8043
RI	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
SC	Jake Rudisill Associates	2009 N. Tryon St, Charlotte, NC FR6-4792
Tenn	DBM Research Corp	Stoddard Bldg, Cocoa Beach, Fla SU3-2438
Tex	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex JE1-1132
Vt	H J Schuft Co	815 Washington St, Newtonville, Mass LA7-5304
Va	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa LI8-8043
Wash	Paratech Agencies	9210 28th Ave, N.W., Seattle, Wash SU4-6447
Foreign	Dage Corp	219 E. 44 St, New York 17, NY MU2-6755
	LELAND AIRBORNE PRODUCTS DIV AMF	**Box 128, Vandalia, Ohio** **TW8-5881**
Cal	G T Bartek	7046 Hollywood Blvd, Los Angeles 28 HO9-3639
Va	M C Kenworthy	1025 N. Royal St, Alexandria, Va TE6-8092
Wash	James Findley Co	P.O. Box 717, Bellevue, Wash GL4-5200
Foreign	AMF International	261 Madison Ave, New York, NY
	LEMERT ENGINEERING CO., INC	**1313 Western Ave, Plymouth, Ind** **WE6-3430**
Cal	C R Alford	475 Huntington Dr, San Marino, Cal RY2-1139
Cal	Cleaves Co	3694 Kettner Blvd, San Diego, Cal CY8-7223
Ind	Stout & Loman	P.O. Box 150, Kokomo, Ind GL9-8236
Ky	Stout & Loman	P.O. Box 150, Kokomo, Ind GL9-8236
	LENK MFG CO	**Franklin, Ky**
	LENKURT ELECTRIC CO., INC	**1105 County Rd, San Carlos, Cal** **LY1-8461**
DC	Lenkurt Electric Co	425 13th St, N.W., Washington, DC ST3-2576
Ga	Lenkurt Electric Co	508 Atlanta Fed Savings Bldg, Atlanta JA3-0228
Ill	Automatic Electric Sales Corp	Northlake, Ill FI5-7111
Ill	Automatic Electric International Inc	Northlake, Ill FI5-7111
Canada	Automatic Electric Sales Ltd	185 Bartley Dr, Toronto 16, Ontario, Canada PL7-2861
Canada	Lenkurt Elec Co Canada Ltd	7018 Lougheed Hwy, Vancouver, BC, Canada
Foreign	Lenkurt de Mexico S A de C V	Apartado 26010, Mexico 12, DF, Mexico
	LENZ ELECTRIC MFG CO	**1751 N.Western Ave, Chicago 47, Ill** **AR6-4454**
Ala	Stanley K Wallace Associates	1120 Montclair Rd, Birmingham, Ala
Ark	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex FL7-4095
Cal	S L Spraggins Co	16042 Ventura Blvd, Encino, Cal ST8-6661
Cal	Eichorn & Melchior Inc	749 Bryant St, San Francisco 7, Cal DO2-1038
Colo	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Del	Danco Corp	Fairview Village, Pa CH8-1619
DC	Danco Corp	Fairview Village, Pa CH8-1619
Fla	Stanley K Wallace Associates	P.O.Box 67, Lutz, Fla WE9-3241
Ga	Stanley K Wallace Associates	P.O.Box 67, Lutz, Fla WE9-3241
Idaho	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Ill	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo PA5-6430
Ind	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio CA1-3363
Iowa	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo PA5-6430
Kan	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo PA5-6430
Ky	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio CA1-3363
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex FL7-4095
Md	Danco Corp	Fairview Village, Pa CH8-1619
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16 WE9-6727
Miss	Stanley K Wallace Associates	P.O.Box 67, Lutz, Fla WE9-3241
Mo	William T McGary	6635 Delmar Blvd, St. Louis 5, Mo PA5-6430
Mont	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Neb	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Nev	Eichhorn & Melchior Inc	749 Bryant St, San Francisco 7, Cal DO2-1038
NJ	S A M Associates	595 Broad Ave, Ridgefield, NJ WH5-0080
NM	R G Bowen Co	P.O.Box 3177, Sta D, Albuquerque, NM AL5-4603
NY	J V Costello	639 S. Warren, Syracuse, NY HA2-0532
NY	S A M Associates	595 Broad Ave, Ridgefield, NJ WH5-0080
NC	Stanley K Wallace Associates	5621 Murrayhill Rd, Charlotte, NC JA3-6109
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn WE9-6727
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio CA1-3363
Okla	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex FL7-4095
Pa	Danco Corp	Fairview Village, Pa CH8-1619
Pa	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa LO1-5067
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn WE9-6727
Tenn	Stanley K Wallace Associates	P.O.Box 67, Lutz, Fla WE9-3241
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex FL7-4095
Utah	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Va	Danco Corp	Fairview Village, Pa CH8-1619
W. Va	Tanner & Covert	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa LO1-5067
Wyo	R G Bowen Co	721 S. Broadway, Denver 9, Colo RA2-4641
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 18, NY LO4-7585
	LEONARD ELECTRONICS INC	**1209 Olympic Blvd, Montebello, Cal** **RA3-9533**
Cal	Wesrep Corp	2022 S. Sepulveda Blvd, Los Angeles GR8-1706
	LEPEL HIGH FREQUENCY LABS INC	**54-18 37th Ave, Woodside, NY** **HA6-4580**
Ala	H S Williams	3601 10th Ave, N. Birmingham, Ala FA2-0377
Ariz	Arizona Welding & Equip Co	415 S. 7th St, Phoenix, Ariz AL8-2653
Cal	Victor Equipment Co	3821 Santa Fe Ave, Los Angeles, Cal LU5-1286
Cal	Victor Equipment Co	840-54 Folsom St, San Francisco, Cal GA1-3000
Colo	Mine & Smelter Supply Co	3800 Race St, Denver, Colo KE4-3111
Ill	The Raytheon Co	9501 Grand Ave, Franklin Park, Ill NA5-4000
Ind	Harvey Denton	2091 N. Old Dixie Hwy, Lima, Ohio CA2-0205
Ky	Harvey Denton	2091 N. Old Dixie Hwy, Lima, Ohio CA2-0205
Me	Eastern Appliance Co	281 Vassar St, Cambridge, Mass UN4-3765
Mass	Eastern Appliance Co	281 Vassar St, Cambridge, Mass UN4-3765
Mich	Herbert Dubovy	3226 Shenandoah Dr, Royal Oak, Mich LI9-2873
Minn	Chas W Stone Co	1914 La Salle Ave, Minneapolis 3, Minn FE9-0611
Mo	The Raytheon Co	406 W. 34th St, Kansas City, Mo PL3-5330
NH	Eastern Appliance Co	281 Vassar St, Cambridge, Mass UN4-3765
ND	Chas W Stone Co	1914 LaSalle Ave, Minneapolis 3, Minn FE9-0611
Ohio	Harvey Denton	2091 N. Old Dixie Hwy, Lima, Ohio CA2-0205
Okla	Barr-McDermott Inc	4407 S. Peoria, Tulsa, Okla RI3-3628
Ore	Industrial Air Products Co	3200 N.W. Yeon Ave, Portland 10, Ore CA2-9231
Pa	Harvey Denton	2091 N. Old Dixie Hwy, Lima, Ohio CA2-0205
RI	Eastern Appliance Co	281 Vassar St, Cambridge, Mass UN4-3765
Tex	Engineering Sales Co	118 Parkhouse, Dallas, Tex AD5-3111
Utah	Mine & Smelter Supply Co	121 W. 2nd South St, Salt Lake City EM3-2791
Vt	Eastern Appliance Co	281 Vassar St, Cambridge, Mass UN4-3765
Wash	Industrial Air Products Co	1900 Fourth Ave, S., Seattle 33, Wash
Wisc	Herbert Dubovy	3226 Shenandoah Dr, Royal Oak, Mich LI9-2873
	LERCO ELECTRONICS INC	**501 S.Varney St, Burbank, Cal**
Ala	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
Ariz	Pacific Electro Sales Inc	1465 Deer Hill Ct, LaJolla, Cal
Ark	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal
Cal	Pacific Electro Sales Inc	1465 Deer Hill Court, LaJolla, Cal
Colo	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City 4, Utah
Conn	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
Del	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
DC	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
Fla	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
Ga	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
Idaho	Seatronics Inc	1806 Bush Pl, Seattle 33, Wash
Ill	Royal A Stemm	21 E. Van Buren St, Chicago 5, Ill
Ill	Zak-Cowen & Associates Inc	7730 Carondelet - Suite 134, St. Louis 15, Mo
Ind	MacNabb, Schroedar & Loomis	820 E. 64th St, Indianapolis 20, Ind
Iowa	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill
Kan	Zak-Cowen & Associates Inc	7730 Carondelet - Suite 134, St. Louis 15, Mo
Ky	MacNabb, Schroedar & Loomis	820 E. 64th St, Indianapolis 20, Ind
La	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Me	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
Md	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
Mass	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
Mich	C H Roller Sales Co	5249 Stage N.W., Grand Rapids, Mich
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn
Miss	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
Mo	T J Ray Jr	3913 E. 2nd Pl, Tulsa 12, Okla
Mont	Seatronics Inc	1806 Bush Pl, Seattle 33, Wash
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal
NH	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
NJ	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
NJ	Willgold Electronic Sales Corp	100 N. Village Ave, Rockville Center, NY
NM	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City 4, Utah
NY	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY
NY	Willgold Electronic Sales Corp	100 N. Village Ave, Rockville Center, NY
NC	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn
Ohio	Augey Natalino	P.O.Box 644, Stow, Ohio
Okla	T J Ray Jr	3913 E. 2nd Pl, Tulsa 12, Okla
Ore	Seatronics Inc	1806 Bush Pl, Seattle 33, Wash
Pa	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
Pa	Augey Natalino	P.O.Box 644, Stow, Ohio
RI	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
SC	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
SD	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn
Tenn	J E Joyner Associates	Box 10821, Sta A, Atlanta, Ga
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Utah	Rowley Bouvette Inc	955 Folsom Ave, Salt Lake City 4, Utah
Vt	Henry Lavin Associates	P.O.Box 196, Meriden, Conn
Va	George Hautenschild	949 E. Godfrey Ave, Philadelphia 24, Pa
Wash	Seatronics Inc	1806 Bush Pl, Seattle 33, Wash
Wisc	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn
Canada	Airfinte Componente Co	71 Dixon Rd, Western Toronto 15, Ontario, Canada
Foreign	Pan-Mar Corp	1270 Broadway, New York 1, NY
	LERMER PLASTICS INC	**322 South St, Garwood, NJ**
	LERU LABORATORIES INC	**Black Oak Ridge Rd, Paterson, NJ**
	LESA COSTRUZIONI ELETTROMECCANICHE SPA	**Via Bergamo 21, Milan, Italy** **554341/2/3/4/5**
NY	Lesa of America Trading Mfg Inc	11 W. 42nd St, New York 36, NY BR9-2547
	LETTINE RADIO MFG CO	**62 Berkley St, Valley Stream, NY** **PY1-9397**
	LEUPOLD & STEVENS INSTRUMENTS INC	**4445 N.E. Gilsan St, Portland, Ore** **BE4-7423**
Cal	A C Lo Prest Co	551 Minna St, San Francisco, Cal MA1-1923
Nev	A C Lo Prest Co	551 Minna St, San Francisco, Cal MA1-1923
	LEVIN & SON INC., LOUIS	**3410 S. Broadway, Los Angeles 7, Cal** **AD3-7169**
	LEVINTHAL ELECTRONIC PRODUCTS INC	**3180 Hanover St, Palo Alto, Cal** **DA6-1640**
Cal	John F O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood Cal TR7-0173
NY	Burlingame Associates	51 S. Fulton Ave, Mt. Vernon, NY 4-7530
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio CR7-9178
	LEVITON MFG CO., INC	**236 Greenpoint Ave, Brooklyn 22, NY** **EV3-4500**
Cal	Leviton Mfg Co., Inc	385 E. 2nd St, Los Angeles, Cal MA5-1546
Ill	Leviton Mfg Co., Inc	325 N. Ashland Ave, Chicago, Ill MO6-9500
Canada	Leviton Mfg Co., Inc	8255 St. Michel Blvd, Montreal 38, Que RA9-2871
	LEWIS CO., INC., E B	**11 Bragg St, East Hartford 8, Conn** **BU9-5428**
	LEWIS ENGINEERING CO	**52 Rubber Ave, Naugatuck, Conn** **PA9-5253**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	The Pacific Scientific Co	P.O. Box 22019, Los Angeles 22, Cal	
Cal	The Pacific Scientific Co	P.O.Box 22019, Los Angeles 22, Cal	
Cal	The Pacific Scientific Co	1950 Fifth Ave, San Diego, Cal	
Cal	The Pacific Scientific Co	760 Harrison St, San Francisco, Cal	
Colo	The Pacific Scientific Co	760 Harrison St, San Francisco, Cal	
Nev	The Pacific Scientific Co	P.O.Box 22019, Los Angeles 22, Cal	
NM	The Pacific Scientific Co	P.O.Box 22019, Los Angeles 22, Cal	
Okla	The Pacific Scientific Co	702A E. Abram St, Arlington, Tex	
Ore	The Pacific Scientific Co	1218 S.E. 7th Ave, Portland 14, Ore	
Tex	The Pacific Scientific Co	702A E. Abram St, Arlington, Tex	
Wash	The Pacific Scientific Co	421 Michigan St, Seattle 8, Wash	
Canada	Aviation Electric Ltd	Box 6102, Montreal, P Q, Canada	
	LEWIS & KAUFMAN ELECTRONICS CORP	**P. O. Box 337, Los Gatos, Cal**	**EL4-3540**
Cal	R H Mathews & Assoc	241 S. La Brea Ave, Inglewood, Cal	OR4-2134
Ohio	Thomco Electronics	P.O. Box 181, N. Dayton Sta, Dayton,	BE3-3551
Foreign	Minthorne International	15 Moore St, New York, NY	BO9-6272
	LEWIS SPRING & MFG CORP	**2646 North Ave, Chicago 47, Ill**	
	LEYSE ALUMINUM CO	**Kewaunee, Wisc**	**335**
	LIBRASCOPE DIV. GEN. PRECISION	**808 Western Ave, Glendale 1, Cal**	**CI4-4541**
Ala	Librascope	1406 McClung Ave, S.W., Huntsville, Ala	
Cal	Kittleson Co	416 N. LaBrea, Los Angeles 36, Cal	WE3-7371
Cal	R.M. Brunson & Associations, Inc	7440 Girard Ave, LaJolla, Cal	
DC (Wash)	Librascope	777-14th St, N.W., Washington 5, DC	DI7-5797
Ill	Robert L. Lang & Associates	6733 N. Olmsted Ave, Chicago 31, Ill	SP4-3610
Md	Taylor Engineering	2100 St. Paul St, Baltimore 18, Md	
Minn	Engineering Products Associates	1821 University Ave, St. Paul 1, Minn	MI6-3443
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland, Ohio	
Ohio	Librascope	333 W. 1st St, Dayton, Ohio	BA2-3992
Ohio	Lowry Dietrich Co	333 W. 1st St, Dayton 2, Ohio	BA3-6042
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 30, Pa	WA1-2959
Pa	Davidson & Hemmendinger	2857 Nazareth Rd, Easton, Pa	EA3-3901
Tex	Wright Industrial Products	5738 N. Central Expwy, Dallas, Tex	TA4-2571
Tex	Wright Ind. Products	Box 8121, Houston, Tex	JA3-5651
Wash	Burt C. Porter Company	1209 Poplar Place, Seattle 44, Wash	EA3-8330
	LICON DIV ILLINOIS TOOL WORKS	**6600 W.Dakin St, Chicago 34, Ill**	**AY2-4040**
Cal	Ash M Wood Co	P.O. Box 1158 Arcadia, Cal	CU3-1201
Cal	William J Purdy Co	312 7th St, San Francisco 3, Cal	UN3-3300
Colo	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	PE3-7172
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6906
Ill	Rockford Controls Co	P.O. Box 671, Glen Ellyn, Ill	
Ill	Clagett Engineering Sales Co	5188 N. Second St, Rockford, Ill	7-8239
Ind	Hoenig Sales Co	Butler Court, Ft Wayne, Ind	A2063
Kan	Thunderbird Eng Sales & Services Inc	6405 E. Kellogg, Wichita, Kan	MU4-3941
Md	R B Barnhill & Associates	P.O. Box 5892, Towson, Baltimore 4, Md	VA5-3431
Mich	Kochler-Pasmore Co	11833 Hamilton Ave, Detroit 3, Mich	TO8-3322
Minn	A J Werner Co	5022 25th Ave, S., Minneapolis 17, Minn	PA9-7371
Mo	John N McCone Co	P.O. Box 16, Florissant, Mo	TE7-3188
Mo	Thunderbird Eng Sales & Service Inc	2826 Main St, Kansas City, Mo	WE1-9779
NY	Wall Associates	P.O. Box 161, Dewitt 14, NY	GI6-4100
NY	William J Wall	P.O. Box 26, Boston, NY	BO1-3162
NY	S-J Sales Engineering Co	130 Lafayette St, New York 1, NY	WO2-7766
Ohio	Westerkamp & Associates	5643 Madeveridge Dr, Cincinnati 27, Ohio	LO1-4429
Ohio	Rockford Controls Co	21877 Euclid Ave, Cleveland 17, Ohio	IV6-3500
Wash	James Findlay Co	P.O. Box 717, Bellevue, Wash	GL4-4519
	LIEBEL-FLARSHEIM CO	**113 E. Amity Rd, Cincinnati 15, Ohio**	**PO1-2700**
	LIECO INC	**150 Eileen Way, Syosset, NY**	**WA1-6300**
Ariz	Western Electronic Enterprises	P.O. Box 1116, Gardena, Cal	OR8-4817
Cal	Western Electronic Enterprises	P.O. Box 1116, Gardena, Cal	OR8-4817
Colo	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Conn	John F Kerrigan	P.O. Box 6016, Hamden, Conn	
DC	Martin J Egan	237 Kenilworth Ave, Philadelphia, Pa	LI8-8491
Fla	Martin J Egan	237 Kenilworth Ave, Philadelphia, Pa	LI8-8491
Ill	Lee Mark Associates	2001 Big Bend Blvd, St Louis 17, Mo	MI7-1470
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Mass	Cirolia Le Blanc Sales Co., Inc	885 Main St, Waltham 54, Mass	TW4-2977
Mo	Lee Mark Associates	2001 Big Bend Blvd, St Louis 17, Mo	MI7-1470
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
NJ	Irwin Brill	250 Mt. Vernon Pl, Newark 6, NJ	ES1-2257
NJ	Martin J Egan	237 Kenilworth Ave, Philadelphia, Pa	LI8-8491
NM	Western Electronic Enterprises	P.O. Box 1116, Gardena, Cal	OR8-4817
NY	Sam Glassman	28 Prestwick Terrace, Glen Cove, NY	OR6-1039
NY	Tesco Associates	114 Miles Ave, Syracuse 10, NY	HO3-4533
Pa	Martin J Egan	237 Kenilworth Ave, Philadelphia, Pa	LI8-8491
RI	Cirolia-Le Blanc Sales Co., Inc	885 Main St, Waltham 54, Mass	TW4-2977
Va	Martin J Egan	237 Kenilworth Ave, Philadelphia, Pa	LI8-8491
	LIFE INSTRUMENT CO., INC	**100 Brook St, Franklin, Mass**	**VI3-0845**
Ala	Lynd A Walkling	P.O. Box 3045, Atlanta, Ga	DR3-8346
Ariz	Franklin & Co	714 W. Olympic Blvd, Los Angeles, Cal	RI7-4291
Cal	Franklin & Co	714 W. Olympic Blvd, Los Angeles, Cal	RI7-4291
Cal	Robert R Slater	420 Market St, San Francisco, Cal	EX2-9154
Del	Houser Associates	734 15th St, N.W., Washington 5, DC	ME8-0084
DC	Houser Associates	734 15th St, N.W., Washington 5, DC	ME8-0084
Fla	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ga	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Idaho	Robert R Slater	Terminal Sales Bldg, Seattle 1, Wash	MA2-3860
Ill	Edward C Hajduk Co	5150 N. Mulligan Ave, Chicago 30, Ill	RO3-8445
Ind	Edward C Hajduk Co	5150 N. Mulligan Ave, Chicago 30, Ill	RO3-8445
La	Acsi Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Md	Houser Associates	734 15th St, N.W., Washington 5, DC	ME8-0084
Mont	Robert R Slater	Terminal Sales Bldg, Seattle 1, Wash	MA2-3860
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NY	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Ohio	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Heights 24	HI2-9040
Ore	Robert R Slater	Terminal Sales Bldg, Seattle 1, Wash	MA2-3860
Pa	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Pa	Edmund C Frost & Co	1545 Chelmsford Rd, Mayfield Hgts, Ohio	HI2-9040
Tenn	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Tex	Acsi Engineering Co	P.O. Box 35573, Dallas 35, Tex	
Va	Houser Associates	734 15th St, N.W., Washington 5, DC	ME8-0084
Wash	Robert R Slater	Terminal Sales Bldg, Seattle 1, Wash	MA2-3860
Wisc	Edward C Hajduk Co	5150 N. Mulligan Ave, Chicago 30, Ill	RO3-8445
Canada	Robert R Slater	Terminal Sales Bldg, Seattle 1, Wash	MA2-3860
	LIGHTGUARD ELECTRONIC MFG.	**1213 St. Emanuel, Houston 3, Tex**	**CA2-7097**
Ala	Hopper & McCoy	870 Northside Dr, N.W., Atlanta, Ga	TR2-5803
Ala	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Ark	Kartrol Signal Co., Inc	12739 S. Main, Houston, Tex	PA3-3833
Cal	Ross, M. Veiths	3632-41 St W., Seattle 99, Wash	
Del	Frank Butts Assoc	2301 N. Charles St, Baltimore 18, Md	CH3-8290
Del	Wm. H. Martens	1625 Sycamore St, Bethlehem, Md	UN7-4702
Fla	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-8290
Ga	Hopper & McCoy	870 Northside Dr N.W., Atlanta 18, Ga	TR2-5803
Ga	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Idaho	Sherman C. Nabaum	4777 S. 13th E., Salt Lake City 17, Utah	CR7-0459
Ind	Stanley J. Brown	1119 Broadway, Toledo 9, Ohio	CH6-1752
Iowa	A.M. Harris	1029 Commercial St, Waterloo, Iowa	AD3-6636
Kan	Kartrol Signal Co., Inc	12739 S. Main, Houston, Tex	PA3-3833
Kan	C.L. Arehart Co	5316 Garfield, Kansas City 30, Mo	DE3-0609
Me	James Mc Gowan	Box 265, Randolph, Mass	WO3-5855
Md	Frank Butts Assoc	2301 N. Charles St, Baltimore 18, Md	CH3-8290
Mass	James Mc Gowan	Box 265, Randolph, Mass	WO3-5855
Mich	Stanley J. Brown	1119 Broadway, Toledo 9, Ohio	CH6-1752
Minn	Lester L. Elstad	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Miss	Hopper & McCoy, Inc	P.O. Box 2537 Station D	TR2-5803
Mo	Kartrol Signal Co., Inc	12739 S. Main, Houston, Tex	PA3-3833
Mo	Charles L. Arehart Co	5316 Garfield, Kansas City 30, Mo	DE3-0609
Neb	A.M. Harris	1029 Commercial St, Waterloo, Iowa	AD3-6636
NH	James Mc Gowan	Box 265, Randolph, Mass	WO3-5855
NJ	Wm. H. Martens	1625 Sycamore, Bethlehem, Pa	UN7-4702
NC	Robert W. Chapman & Co	Box 4230, Charlotte, NC	FR5-7215
NC	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
ND	Lester L. Elstad	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Ohio	Stanley J. Brown	1119 Broadway, Toledo 9, Ohio	CH6-1752
Okla	Kartrol Signal Co., Inc	12739 S. Main, Houston, Tex	PA3-3833
Okla	V.F. Stephens	4112 Commerce, Dallas 26, Tex	TA7-0867
Ore	Ross M. Veiths	3632-41 St W., Seattle 99, Wash	
Pa	Wm. H. Martens	1625 Sycamore, Bethlehem, Pa	UN7-4702
RI	James Mc Gowan	P.O. Box 265, Randolph, Mass	WO3-5855
SC	Robt. W. Chapman & Co	Box 4230, Charlotte, NC	FR5-7215
SC	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Tenn	Hopper & McCoy	P.O. Box 2537, Station D	TR2-5803
Tenn	W.V. Gearhart	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Tex	Kartrol Signal Co., Inc	12739 S. Main, Houston, Tex	PA3-3833
Tex	V.E. Stephens	P.O. Box 7909, Dallas, Tex	TA7-0867
Tex	Art Swartz	1135 Fugate, Houston, Tex	UN1-1182
Utah	Sherman Nabaum & Co., Inc	4777 S. 13th St, Salt Lake City 17	CR7-0459
Vt	James Mc Gowan	P.O. Box 265, Randolph, Mass	WO3-5855
Wash	Northwestern Products Co	6098 Riberton Hts, Seattle 88, Wash	
Wash	Ross M. Veiths	3632-41st St W., Seattle 99, Wash	
W. Va	Frank Butts Assocs	2301 N. Charles St, Baltimore 18, Md	CH3-8290
Wisc	Lester L. Elstad	5910 Wayzata Blvd, Minneapolis 16, Minn	LI5-4000
Canada	Dudley N. Menders	5780 Pare St, Montreal, Quebec	RI8-6367
Foreign	Francisco Lopez	P.O. Box 3, Habana, Cuba	70-4855
Foreign	S & M Exporting Co. - V. Merkant	American Investor's Bldg, Houston, Tex	FA3-0689
	LIND INSTRUMENTS INC	**357 Nassau St, Princeton, NJ**	**WA1-8844**
	LINDBERG ENGINEERING CO	**2450 W. Hubbard St, Chicago, Ill**	**MO6-3443**
Cal	Lindberg Engineering Co	11937 S. Regentview Ave, Downey, Cal	TO9-3650
Colo	Blair Engineering Co	4100 Grape St, Denver 16, Colo	FL5-7142
Ga	Lindberg Engineering Co	4595 Club Terr, Atlanta 19, Ga	CE3-8014
Ind	Lindberg Engineering Co	230 E. Ohio St, Indianapolis 4, Ind	ME5-4574
Kan	Robt R Stephens Machinery Co	9830 Par Ln, Wichita 12, Kan	WH2-3611
Mass	Lindberg Engineering Co	69 Maple St, E. Longmeadow, Mass	LA5-3689
Mich	Lindberg Engineering Co	1220 S. Woodward Ave, Royal Oak, Mich	JO6-3128
Mich	Lindberg Engineering Co	1710 Kingston Ave, Kalamazoo, Mich	SP3-1967
Mo	Robt R Stephens Machinery Co	8145 Olive Blvd, St. Louis 30, Mo	WY1-0502
Mont	Robt R Stephens Machinery Co	3619 Broadway Ave, Kansas City 11, Mo	LO1-2123
NJ	Lindberg Engineering Co	12-96 Plaza Rd, Fair Lawn, NJ	SW7-6500
NY	Lindberg Engineering Co	420 Lexington Ave, New York 17, NY	OR9-8750
NY	Lindberg Engineering Co	48 Wendover Rd, Rochester 10, NY	HL2-4680
NC	Lindberg Engineering Co	737 Providence Rd, Charlotte 5, NC	FR7-2546
Ohio	Lindberg Engineering Co	1414 Victoria Ave, Cleveland 7, Ohio	AC1-5576
Okla	Robt R Stephens Machinery Co	2010 S. Utica, Tulsa 4, Okla	RI7-4609
Pa	Lindberg Engineering Co	3709 W. Chester Pike, Newtown Square	EL6-6900
Pa	Lindberg Engineering Co	345 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-5666
Tex	Lindberg Engineering Co	1100 N. Mont Clair Ave, Dallas 8, Tex	WH2-8033
Wash	Western Factors	2733 4th Ave, S., Seattle 4, Wash	MU2-3414
Wisc	Lindberg Engineering Co	9137 W. Lisbon Ave, Milwaukee 22, Wisc	HO2-3420
Foreign	Sales offices representatives in all principal countries		
Canada	Birlefco-Lindberg Ltd	15 Pelham Ave, Toronto 9, Ontario, Can	RO6-6456
	LINDE CO., DIV., UCC	**270 Park Ave, New York 17, NY**	**LL1-2345**
Ala	Linde Co	2900 Cahaba Rd, Birmingham 9, Ala	
Cal	Linde Co	2770 Leonis Blvd, Los Angeles (Vernon) 58	
Cal	Linde Co	22 Battery St, San Francisco 6, Cal	
Colo	Linde Co	666 S. Santa Fe Dr, Denver 23, Colo	
DC	Linde Co	Wyatt Bldg, 777 14th St, N.W., Wash 5, DC	
Ga	Linde Co	22 7th St N.E., Atlanta 8, Ga	
Ill	Linde Co	230 No. Michigan Ave, Chicago 1, Ill	
La	Linde Co	4833 Conti St, New Orleans 19, La	
Md	Linde Co	200 E. Joppa Rd, Baltimore 4, Md	
Mass	Linde Co	300 1st Ave, Needham Hghts, Boston 94	
Mich	Linde Co	10421 W. Seven Mile Rd, Detroit 21, Mich	
Minn	Linde Co	827 Second Ave S., Minneapolis 2, Minn	
Mo	Linde Co	910 Baltimore Ave, Kansas City 5, Mo	
NJ	Linde Co	2065 Route 22, Union, NJ	
NJ	Linde Co	Pleasant Valley Rd & Route 38, Moorestown	
NY	Linde Co	250 Delaware Ave, Buffalo 2, NY	
Ohio	Linde Co	1501 Madison Rd, Cincinnati, Ohio	
Ohio	Linde Co	1300 Lakeside Ave, Cleveland 14, Ohio	
Okla	Linde Co	2901 S. Harvard Ave, Tulsa 24, Okla	
Ore	Linde Co	1205 N.W. Marshall St, Portland 9, Ore	
Pa	Linde Co	644 Oliver Bldg, Mellon Sq, Pitsbgh 22	
Tex	Linde Co	6300 N. Central Expwy, Dallas, Tex	
Tex	Linde Co	3839 W. Alabama, Houston 27, Tex	
Utah	Linde Co	999 S. Redwood Rd, Salt Lake City, Utah	
Wash	Linde Co	3404 Fourth Ave S., Seattle 4, Wash	
W. Va	Linde Co	3510 MacCorkle Ave S.E., Charleston 4	
Wis	Linde Co	1623 S. 38th St, Milwaukee 46, Wis	
	LINDGREN & ASSOCIATES, ERIK A	**4515 N. Ravenswood Ave, Chicago, Ill**	
	LINDSAY ANTENNA & SPECIALTY PRODUCTS LTD	**50 Mary St, Lindsay, Ontario, Canada**	**FA4-2196**
Canada	A L Whitehead Ltd	Vancouver, B C, Canada	
Canada	Eric Jeanes	Winnipeg, Man, Canada	
Canada	Wm Spence	Toronto, Ontario, Canada	
Canada	Wm Cohen Ltd	Montreal, P Q, Canada	
Canada	Wilbur Hills	Truro, N S, Canada	
	LINE ELECTRIC CO	**229 River St, Orange, NJ**	**OR2-8200**
Ala	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Alaska	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	
Ariz	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Ark	Packard Associates	Love Field Air Term Bldg, Dallas 35, Tex	FL7-5713
Cal	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Cal	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Colo	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	
Conn	White Sales Co., Inc	36 Mildrum Rd, Berlin, Conn	BA4-0423
Del	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
DC	M Leff Sales	1844 Edgewood Ave, Baltimore 4, Md	VA5-1130
Fla	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Ga	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Hawaii	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Idaho	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	
Ill	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Ind	Kirsch Sales Co	La Fontaine, Ind	
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Ky	Kirsch Sales Co	La Fontaine, Ind	
La	Packard Associates	Love Field Air Term Bldg, Dallas 35, Tex	FL7-5713
Me	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Md	M Leff Sales	1844 Edgewood Ave, Baltimore 4, Md	VA5-1130
Mass	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit 3, Mich	TO8-3322
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	
Miss	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Mont	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	
Nev	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
NH	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
NJ	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
NM	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	
NC	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	
Ohio	ElectroCom	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Okla	Packard Associates	Love Field Air Term Bldg, Dallas 35, Tex	FL7-5713
Ore	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	
Pa	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Pa	ElectroCom	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
RI	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
SC	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	
Tenn	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Tex	Packard Associates	Love Field Air Term Bldg, Dallas 35, Tex	FL7-5713
Utah	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	
Vt	White Sales Co., Inc	945 Great Plain Ave, Needham 92, Mass	HI4-3676
Va	M Leff Sales	1844 Edgewood Ave, Baltimore 4, Md	VA5-1130
Wash	C B Parsons & Co	3028 1st Ave, Seattle 1, Wash	
W Va	ElectroCom	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Wisc	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	
Wyo	Electronic Components Sales Inc	2149 S. Clermont, Denver 22, Colo	
Foreign	Buck International Co	Box 45, Brookdale Sta, Bloomfield, NJ	PI3-8110
Canada	J J MacQuarrie	46 St. George St, Toronto 5, Canada	WA3-2455
	LINEAR INC	**State Rd & Levick St, Philadelphia, Pa**	**MA4-4700**
Ariz	Kiva Sales Co	3701 E. Indian School Rd, Phoenix	AM6-2413
Cal	Haskel Engineering & Supply	1236 S. Central Ave, Glendale 4, Cal	CH5-6811
Conn	Elastolines Inc	144 Willard Ave, Newington, Conn	AD6-0863
Del	H Haefner	6400 State Rd, Philadelphia 35, Pa	MA4-4700
DC	H Haefner	6400 State Rd, Philadelphia 35, Pa	MA4-4700
Ill	D M Allan	1025 Harlem Ave, Glenview, Ill	PA4-4478
Kan	Wilco Co	226 S. Wichita, Wichita, Kan	AM5-5648
Me	J Royal Co., Inc	251 County Rd, Barrington, RI	CH5-2700
Md	H Haefner	6400 State Rd, Philadelphia 35, Pa	MA4-4700
Mass	J Royal Co., Inc	251 County Rd, Barrington, RI	CH5-2700
Mich	J E Simpson	153 Richton Ave, Highland Park, Mich	TR1-0700
Minn	David E Crum	4604 Chicago Ave, Minneapolis, Minn	
Mo	Hanna Rubber Co	1512 Main St, Kansas City 8, Mo	BA1-9600
Mo	J P Bushnell Packing & Supply	3436 Lindell Blvd, St. Louis 3, Mo	JE1-5831
NH	J Royal Co., Inc	251 County Rd, Barrington, RI	CH5-2700
NJ	Linear Seals	488 Central Ave, East Orange, NJ	OR4-0054
NY	Linear Seals	488 Central Ave, East Orange, NJ	OR4-0054
NY	J M Cranz Co	2671 Main St, Buffalo 14, NY	AM3300
Ohio	Buckeye Rubber & Packing Co	12407 Woodland Ave, Cleveland 20, Ohio	SW5-7070
Ohio	Anchor Rubber Co	840 S. Patterson Ave, Dayton, Ohio	BA3-5191

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Burr Oak Belting Co	309 Findlay St, Cincinnati 14, Ohio	MA1-5474
Okla	W Maxwell	P.O.Box 10483, Dallas 7, Tex	TA1-9933
Pa	H Haefner	6400 State Rd, Philadelphia 35, Pa	MA4-4700
RI	J Royal Co., Inc	251 County Rd, Barrington, RI	CH5-2700
Tex	W Maxwell	P.O.Box 10483, Dallas 7, Tex	TA1-9933
Vt	Elastolines Inc	144 Willard Ave, Newington, Conn	AD6-0863
Wisc	Robbins Plastics & Rubber Co	Cedarburg, Wisc	CE7-0900
	LINELL ENGINEERING CORP	**3974 N. Avondale, Chicago 41, Ill**	**AV3-0451**
	LINEMASTER SWITCH CORP	**Box 52, Woodstock, Conn**	**WA6-6538**
Cal	J Mintozyner	544 Market St, San Francisco 4, Cal	
Cal	Maddox Sales Co	914 E. 3rd St, Los Angeles 13, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	
Ga	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	
Ill	Schrade-Batterson Co	5253 W. Belmont Ave, Chicago 41, Ill	
Mich	R E Rickman Co	9187 Mercedes Ave, Detroit 39, Mich	
Minn	Daniel R Schwab Co	6800 W. Lake St, Minneapolis 26, Minn	
Mo	R E Greene Co	6625 Delmar Blvd, St. Louis 30, Mo	
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	
Ore	Wayne C Wells Co	6055 N.E. Glisan, Portland 13, Ore	
Tex	Close-Cook Associates	P.O. Box 9837, Dallas 14, Tex	
Canada	Constellation Components Co	136 Tower Dr, Scarborough, Ontario, Canada	
	LING ELECTRONICS DIV LING ALTEC ELECTRONICS	**1515 S. Manchester, Anaheim, Cal**	**PR4-2900**
Ala	Murphy & Cota	250 Governors Dr S.E., Huntsville, Ala	
DC (Wash)	Kelsey Martin	3636 16th St N.W., Washington, DC	
DC (Wash)	Brimberg Associates	221 Investment Bldg, Washington, DC	
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	
Ga	Kelsey Martin	1000 Peachtree St N.E., Atlanta, Ga	
Ga	Murphy & Cota	2110 Peachtree St, Atlanta, Ga	
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	
Ind	Hugh Marsland & Co	6730E. 19th St, Indianapolis, Ind	
Mass	Test Systems, Inc	404 Main St, Wakefield, Mass	
Mass	Ling, Winchester	225 East St, Winchester, Mass	
Mich	Tower Engineering Co	19364 James Couzens Hwy, Detroit 35	
Minn	Hugh Marsland & Co	231 Edgewood, Minneapolis, Minn	
NJ	Tek-Sel, Inc	54 Route 17, Paramus, NJ	
NY	Rocke International Corp	13 E. 40th St, New York 16, NY	
NC	Murphy & Cota	1107 Burke St, Winston-Salem, NC	
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	
Ohio	Tower Engineering Co	2138 Lee Rd, Cleveland Heights 18, Ohio	
Tex	Carey-Wolfe Co	6000 Camp Bowie Blvd, Fort Worth, Tex	
Wash	J.K. Dooley Co	3215 Western Ave, Seattle, Wash	
Canada	Mel Sales	Amprior, Ontario, Canada	
	LINK DIV. GEN. PRECISION, INC	**Newlins Rd, Hillcrest Binghamton, NY**	**RA3-9311**
Cal	Link Div. G.P.I	7046 Hollywood Blvd, Hollywood, Cal	HO4-7566
Tex	Link Div G.P.I	3327 Winthrop St, Forth Worth 16, Tex	PE2-4361
	LIPPS ENGINEERING, EDWIN A	**1511 Colorado Ave, Santa Monica, Cal**	**EX3-0449**
	LIQUID NITROGEN PROCESSING CORP	**451 Booth St, Chester, Pa**	**TR4-6356**
	LIQUIDOMETER CORP	**41-03 36th St, Long Island City 1, NY**	**ST4-1440**
Cal	The Liquidometer Corp	8264 Santa Monica Blvd, Los Angeles 46	OL4-8402
Wash	E Brady	422 Smith Tower, Seattle 4, Wash	MA3-4775
Canada	Liquidometer of Canada, Ltd	1740 Cote Vertu, Montreal 9, P.Q. Canada	RI4-3266
	LISK CO., INC., G W	**40 South St, Clifton Springs, NY**	**HO2-2611**
	LITTELFUSE, INC	**1865 Minor St, Des Plaines, Ill**	**YA4-1180**
Ala	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Alaska	Dave M. Lee Co	2517 2nd Ave, Seattle 9, Wash	MA2-5512
Ariz	Harry Moore Sales Co	4142 N. 18th St, Phoenix, Ariz	CR4-0060
Ark	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	RI2-5764
Cal	Wm. J. Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
Cal	Ash M. Wood Co	Box 1158, Arcadia, Cal	CU3-1201
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	BE2-2555
Del	Samuel A. Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
D.C (Wash)	Samuel A. Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Frank C. Nickerson Co	Box 38-2 Little River Sta, Miami, Fla	PL1-4692
Ga	Frank C. Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Hawaii	Jim Hastin Sales Co	235 Cooke St, Honolulu, Hawaii	HO5-11755
Idaho	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Ill	Key Man Sales	5500 N. Menard Ave, Chicago 30, Ill	SP4-1444
Ind	Leslie M. DeVoe Co	4010 Washington Blvd, Indpls 5, Ind	AT3-1395
Iowa	W.E. Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Kan	W.E. Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	Leslie M. DeVoe Co	4010 Washington Blvd, Indpls 5, Ind	AT3-1395
La	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex	RI2-5764
Me	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	BE2-2555
Md	Samuel A. Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	BE2-2555
Mich	R. C. Merchant & Co., Inc	18411 W. McNichols, Detroit, Mich	KE5-6000
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Miss	A.S. Engelman	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Mo	W.E. Fry & Co	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	W.E. Fry & Co	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Nev	Wm. J. Purdy Co	312 7th St, San Francisco, Cal	UN3-3300
Nev	Ash M. Wood Co	Box 1158, Arcadia, Cal	CU3-1201
NH	Charles Segel	1262 Commonwealth Ave, Boston 34, Mass	BE2-4334
NJ	Jules J. Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
NJ	Sydney H. Baum	70-15 Fleet St, Forest Hills, NY	BO3-8101
NM	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
NY	Jules J. Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Sydney H. Baum	70-15 Fleet St, Forest Hills, NY	BO3-8101
NY	R.W. Mitscher Co	487 Ellicott Sq Bldg, Buffalo 3, NY	WA 2517
NC	Frank C. Nickerson Co	2334 Orton St, Charlotte, NC	EX9-3673
ND	Northern States Sales Co	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Okla	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Ore	Dave M. Lee Co	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	Samuel A. Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	BE2-4334
SC	Frank Nickerson Co	2334 Orton St, Charlotte, NC	EX9-3673
SD	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Tenn	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Tex	Lund & Co	2215 N. Olive St, Dallas, Tex	RI8-8839
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass	BE2-4334
Va	Samuel A. Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Dave M. Lee Co	2517 2nd Ave, Seattle, Wash	MA2-5512
W.Va	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Northern States Sales	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Wyo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Foreign	Ad Auriema, Inc	85 Broad St, New York 4, NY	BO9-7750
	LITTLE FALLS ALLOYS INC	**190 Caldwell Ave, Paterson 1, NJ**	**LA5-1014**
Cal	E Jordan Brookes Co., Inc	6601 Telegraph Rd, Los Angeles, Cal	RA3-8431
Ill	Guardian Metal Sales Co., Inc	5000 W. Bloomingdale Ave, Chicago, Ill	NA2-5800
Minn	Eiler Equipment Co	1107 S. 2nd St, Minneapolis, Minn	FE2-8881
Mo	B C MacDonald & Co	3829 W. Pine Blvd, St Louis, Mo	
	LITTLE INC., ARTHUR D	**15 Acorn Park, Cambridge, Mass**	**UN4-5770**
	LITTON ENGINEERING LABS	**P. O. Box 949, Grass Valley, Cal**	**GR1730**
	LITTON INDUSTRIES ELECTRONIC EQUIP DIV	**336 N. Foothill, Beverly Hills, Cal**	**CR4-7411**
DC	Litton Industries	1625 I St, N.W., Washington 6, DC	EX3-4991
Ohio	Litton Industries	333 W. First St, Dayton 2, Ohio	BA3-4156
	LITTON INDUSTRIES-ELECTRON TUBE DIV	**960 Industrial Rd, San Carlos, Cal**	**LY1-8411**
DC	Litton Industries	1625 I St, N.W., Washington 6, DC	EX3-4991
NY	Litton Industries	55 Church St, White Plains, NY	RO1-0565
Ohio	Litton Industries	333 W. First St, Dayton 2, Ohio	BA3-4156
	LITTON INDUSTRIES MARYLAND DIV	**4900 Calvert Rd, College Park, Md**	**UN4-5678**
	LITTON INDUSTRIES POTENTIOMETER DIV	**215 S. Fulton Ave, Mt. Vernon, NY**	**MO7-6607**
Ala	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Ariz	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27	HO3-5694
Conn	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Del	Dickison Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
DC	Dickison Sales Co., Inc	302 Marlton Pike, Erlton, NJ	
Fla	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Idaho	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Ill	Pivan Engineering Co	3542 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering Co	6055 N. College, Indianapolis 20, Ind	
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Iowa	Pivan Engineering Co	3542 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Kan	Kay Sales Co	2611 E. 41st St, Tulsa, Okla	
Ky	A N Grimm	1731 Ruskin Rd, Dayton 6, Ohio	CR7-1496
Me	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Md	Dickison Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0923
Mass	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Minn	Robert W Marshall	6106 Excelsior Blvd, Minnpls 16, Minn	WE9-0457
Miss	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Mo	Kay Sales Co	7603 Forsythe, Clayton, Mo	
Neb	Kay Sales Co	270s-41st Pl, Des Moines, Iowa	
Nev	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
NH	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
NJ	Dickison Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
NJ	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NM	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NY	Naylor Electric Co	1718 Erie Blvd, E., Syracuse 3, NY	GR2-9183
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	A N Grimm	1731 Ruskin Rd, Dayton 6, Ohio	CR7-1496
Okla	Kay Sales Co	2611 E. 41st St, Tulsa, Okla	
Ore	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Pa	A N Grimm	1731 Ruskin Rd, Dayton 6, Ohio	CR7-1496
Pa	Dickison Sales Co., Inc	302 Marlton Pike, Erlton, NJ	HA8-4086
RI	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Tenn	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Tenn	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Vt	Stanley B Pierce Associates	583 Neponset St, Norwood, Mass	NO7-3164
Va	Dickison Sales Co., Inc	107 York Rd, Towson 4, Md	VA3-0925
Wash	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT8-4313
W. Va	A N Grimm	1731 Ruskin Rd, Dayton 6, Ohio	CR7-1496
Wisc	Pivan Engineering Co	3542 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Foreign	Westrex Corp	111 8th Ave, New York 11, NY	CH3-2300
	LIVINGSTON ELECTRONIC CORP	**Livingston 3, NJ**	**CA6-3333**
Ill	William Hamilton	5517 N. Elston Ave, Chicago, Ill	SP5-2288
NY	Edward Polk	15-51 Franklin Ave, Mineola, NY	
Ohio	Arnold Johnson Co	7565 Kenwood Rd, Cincinnati, Ohio	TW1-6900
	LOCKHEED ELECTRONICS CO AVIONICS & IND PRODS DIV	**Randolph St, Los Angeles, Cal**	**PL7-1600**
	LOCKHEED ELECTRONICS CO INFO TECH DIV	**Metuchen, NJ**	**PL7-1600**
	LOCKHEED ELECTRONICS CO STAVID DIV	**Plainfield, NJ**	**PL7-1600**
Cal	Lockheed Electronics Co	16001 Anoka Dr, Pacific Palisades, Cal	GL4-4791
DC	Lockheed Electronics Co	425 13th St, N.W., Wash 4, DC	ST3-7949
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Ohio	Lockheed Electronics Co	333 W. First St, Dayton, Ohio	BA6-1355
	LOGE SOUND ENGINEERS, J M	**2172 W. Washington Blvd, L A 18, Cal**	**RE4-9178**
	LONDON CHEMICAL CO	**1535 N. 31 Ave, Melrose Park, Ill**	
	LONG-LOK CORP	**2601 Colorado Ave, Santa Monica, Cal**	**UP0-6335**
Cal	Gordon H Proffitt	World Trade Ctr, San Francisco 11, Cal	DO2-1464
Conn	Paul E Wolfe & Associates	460 Ridge View Rd, Orange, Conn	SY5-4343
Ill	Barth & Rennolds Co	7117 W. Addison St, Chicago, Ill	KI5-7975
Minn	Reliance Sales & Engineering Co	221 14th Ave, S., Minneapolis 4, Minn	FE3-2386
NY	Warelin Inc	P.O. Box 282, Eastwood Sta, Syracuse	HO3-2001
NY	Long-Lok Eastern Corp	68 Urban Ave, Westbury, NY	
Canada	A J Campbell & Co	1440 St. Catherine St, W., Montreal, Can	UN6-3095
	LONG INC THOMAS J	**215 Stonehinge Ln, Carle Place, NY**	**ED4-2300**
Conn	Norman A Terry	R F D 2, Pumpkin Hill, New Milford	EL4-7554
	LONG SAULT WOODCRAFT LTD	**St. Andrews E., Quebec, Canada**	**LE7-3341**
	LORAIN COUNTY RADIO CORP	**285 Ninth St, Lorain, Ohio**	**CH4-1194**
	LORAL ELECTRONICS CORP	**825 Bronx River Ave, New York 72, NY**	**TI2-9500**
	LORD MFG CO	**1635 W. 12th St, Erie, Pa**	**GL6-8511**
Ala	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Ariz	Lord Mfg Co	7046 Hollywood Blvd, Los Angeles, Cal	HO4-7593
Ark	Lord Mfg Co	Gibralter Life Bldg, Dallas, Tex	RI1-3392
Cal	Lord Mfg Co	7046 Hollywood Blvd, Los Angeles, Cal	HO4-7593
Cal	Lord Mfg Co	916 Kearny St, San Francisco, Cal	EX7-6280
Colo	Lord Mfg Co	916 Kearny St, San Francisco, Cal	EX7-6280
Conn	Lord Mfg Co	630 Fifth Ave, New York, NY	CI7-3326
Conn	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
Del	Lord Mfg Co	1420 Walnut St, Philadelphia, Pa	PE5-3559
DC	Lord Mfg Co	1420 Walnut St, Philadelphia, Pa	PE5-3559
Fla	Lord Mfg Co	P.O. Box 1502, 135A E. Morse, Winter Park	MI7-5501
Ga	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Ill	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
Ind	Lord Mfg Co	349 W. First St, Dayton, Ohio	BA4-0351
Ind	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
Iowa	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
Kan	Lord Mfg Co	406 W. 34th St, Kansas City, Mo	WE1-0138
Ky	Lord Mfg Co	349 W. First St, Dayton, Ohio	BA4-0351
La	Lord Mfg Co	Gibralter Life Bldg, Dallas, Tex	RI1-3392
Me	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
Md	Lord Mfg Co	1420 Walnut St, Philadelphia, Pa	PE5-3559
Mass	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
Mich	Lord Mfg Co	18050 James Couzens Hwy, Detroit, Mich	DI1-4340
Mich	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
Minn	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
Miss	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Mo	Lord Mfg Co	406 W. 34th St, Kansas City, Mo	WE1-0138
Neb	Lord Mfg Co	406 W. 34th St, Kansas City, Mo	WE1-0138
Nev	Lord Mfg Co	7046 Hollywood Blvd, Los Angeles, Cal	HO4-7593
NH	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
NJ	Lord Mfg Co	630 Fifth Ave, New York, NY	CI7-3326
NM	Lord Mfg Co	406 W. 34th St, Kansas City, Mo	ME1-0138
NY	Lord Mfg Co	630 Fifth Ave, New York, NY	CI7-3326
NY	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
NC	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Ohio	Lord Mfg Co	18050 James Couzens Hwy, Detroit, Mich	DI1-4340
Ohio	Lord Mfg Co	349 W. First St, Dayton, Ohio	BA4-0351
Okla	Lord Mfg Co	Gibralter Life Bldg, Dallas, Tex	RI1-3392
Ore	Lord Mfg Co	916 Kearny St, San Francisco, Cal	EX7-6280
Pa	Lord Mfg Co	1420 Walnut St, Philadelphia, Pa	PE5-3559
RI	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
SC	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Tenn	Lord Mfg Co	3131 Maple Dr, Atlanta, Ga	CE7-9247
Tex	Lord Mfg Co	Gibralter Life Bldg, Dallas, Tex	RI1-3392
Utah	Lord Mfg Co	7046 Hollywood Blvd, Los Angeles, Cal	HO4-7593
Vt	Lord Mfg Co	Statler Office Bldg, Boston, Mass	HA6-9135
Va	Lord Mfg Co	1420 Walnut St, Philadelphia, Pa	PE5-3559
Wash	Lord Mfg Co	916 Kearny St, San Francisco, Cal	EX7-6280
W. Va	Lord Mfg Co	349 W. First St, Dayton, Ohio	BA4-0351
Wisc	Lord Mfg Co	520 N. Michigan Ave, Chicago, Ill	MI2-6010
	LORENTZEN INC LEVOLOR	**391 W. Broadway, New York 12, NY**	**WO2-4242**
Cal	Venetian Blind Products Co	600 Camelia St, Berkeley 10, Cal	LA5-5706
Cal	Northwestern Venetian Supply Corp	1216 24th St, Oakland 7, Cal	TE2-5642
Cal	Levolor Lorentzen Inc	2030 Sacramento St, Los Angeles 21, Cal	MA7-3531
Fla	Levolor Lorentzen Inc	990 N.W. 166th St, N. Miami 69, Fla	NA4-2691
Ga	Levolor Lorentzen Inc	1708 DeFoor Pl, N.W., Atlanta 18, Ga	TR3-3641
Ill	Levolor Lorentzen Inc	1412 S. Michigan Ave, Chicago 5, Ill	WA2-3349
NJ	Levolor Lorentzen Inc	720 Monroe St, Hoboken, NJ	SW2-2600
Wash	Levolor Lorentzen Inc	1044 6th Ave, S., Seattle 4, Wash	MA3-8473
W. Va	Levolor Lorentzen Inc	Half Moon Addition, Weirton, W. VA	LE7-4234
	LOUTHAN PLANT-REFRACTORIES DIV FERRO CORP	**2000 Harvey Ave, E. Liverpool, Ohio**	**FU5-1538**
	LOWELL MFG CO	**3030 Laclede Sta Rd, St. Louis 17, Mo**	**ST1-9058**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Stanley K Wallace Assoc	1120 Montclair Rd, Birmingham, Ala	LY2-6291
Alaska	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Ariz	Harry Moore Sales Co	P.O. Box 7245, Phoenix, Ariz	CR4-0060
Ark	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Cal	Perlmuth Electronic Associates	5507 W. Washington Blvd, L A 16, Cal	WE1-1041
Cal	F W Mouthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
Del	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
DC	Art Cerf & Co	6302 Lincoln Ave, Baltimore 9, Md	RO4-7189
Fla	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	LU9-3241
Ga	Stanley K Wallace Associates	715 Flamingo Dr, S.W., Atlanta 11, Ga	PL3-8463
Hawaii	Dougherty Enterprises	P.O. Box 188, Kailua, Hawaii	
Idaho	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Idaho	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Ill	Theodore B Lowell	P.O. Box 26, Creve Coeur, St Louis 41, Mo	MI7-1111
Ill	Jerome H Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL2297
Ind	Hoenig Sales Co	3405 Butler Ct, Ft Wayne, Ind	AN2083
Iowa	H W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	H W Knaggs Co	6606 N. Wayne St, Kansas City, Mo	GL3-3264
Ky	Hoenig Sales Co	3405 Butler Ct, Ft Wayne, Ind	AN2083
La	Jack Yount Co	3033 Sandra Dr, Shreveport, La	ME1-3693
Me	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
Md	Art Cerf & Co	6302 Lincoln Ave, Baltimore 9, Md	RO4-7189
Mass	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
Mo	Theodore B Lowell	P.O. Box 26, Creve Coeur, St. Louis 41	MI7-1111
Mo	H W Knaggs Co	6606 N. Wayne St, Kansas City 18, Mo	GL3-3264
Mont	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Neb	H W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Nev	F W Mouthrop Co	575 10th St, San Francisco, Cal	MA1-0722
Nev	Perlmuth Electronic Associates	5057 W. Washington St, Los Angeles, Cal	WE1-1041
NH	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
NJ	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NM	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
NY	Leon L. Adelman Co	25 Chittenden Ave, New York 33, NY	SW5-1145
NY	Maury Farber Associates Inc	70 W. Chippewa, Buffalo 2, NY	WO3-5435
NC	Stanley K Wallace Associates	P.O. Box 11377, Charlotte, NC	JA3-6109
ND	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Ore	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	Art Cerf & Co	4302 Embur Ter, Easton, Pa	3-0505
Pa	John O Olsen Co	1843 Maydell St, Pittsburgh 16, Pa	FI1-8391
RI	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
SC	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
SD	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	Stanley K Wallace Associates	638 Rochelle Dr, Nashville, Tenn	VE2-0794
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	CE5-5518
Va	Art Cerf & Co	3302 Lincoln Ave, Baltimore 9, Md	RO4-7189
Wash	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	Jerome H Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL2297
Wyo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Foreign	Lowell G m b h	Barthelstrasse 97, Cologne, Germany	50641
	LUCAS-ROTAX LTD	**Box 115, Sta H, Toronto 13, Ont, Can**	**PL3-4171**
NY	C F Russell Co	Bayshore, NY	MO5-2623
	LUCIFER LTD	**Geneva-Carouge, Switzerland**	**42.23.30**
	LUDLOW MFG & SALES CO	**145 Rosemary St, Needham Hts 94, Mass**	**HI4-4900**
Cal	Ludlow Papers	4903 Everett Ave, Los Angeles, Cal	LU8-4841
Ill	Ludlow Papers	1096 Cherry St, Winnetka, Ill	HI6-7283
Ill	Ludlow Papers	110 N. Franklin St, Chicago, Ill	ST2-1798
Mass	Ludlow Papers	Cummings St, Ware, Mass	WO7-6204
NY	Ludlow Papers Inc	12 E. 41st St, New York, NY	LE2-6445
	LUDLOW-SAYLOR WIRE CLOTH CO	**640 S. Newstead Ave, St. Louis 10, Mo**	
	LUMA ELECTRIC EQUIP CO	**Box 132, Toledo 1, Ohio**	**CR5-4168**
Cal	Advance Carbon & Electric Mfg Co	2505 Mariposa St, San Francisco 10, Cal	
Conn	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
Ill	Gene R Clouse	1218 Isabella, Wilmette, Ill	WA2-4986
Ill	George Hamilton	1300 Rosalie St, Evanston, Ill	UN4-8220
Ind	George Hamilton	1300 Rosalie St, Evanston, Ill	UN4-8220
Me	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
Mass	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
Mich	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
Minn	William K Nelson Co	807 13th Ave, S., Minneapolis 4, Minn	FE3-1215
Mo	B C MacDonald & Co	629 W. 39th St, Kansas City, Mo	
NH	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
NJ	R/D Associates	320 Downs, Ridgewood, NJ	GI5-0033
NY	R/D Associates	320 Downs, Ridgewood, NJ	GI5-0033
Ohio	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
Pa	R/D Associates	320 Downs, Ridgewood, NJ	GI5-0033
Pa	J E Zaiser	21 Reading Ave, Hillsdale, Mich	HE7-4589
RI	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
Vt	Emery B Hatch Co., Inc	43 Upham St, Melrose, Mass	NO5-0055
	LUMATRON ELECTRONICS INC	**116 Cuty Cribse Rd, New Hyde Park, NY**	**PI7-3200**
Ala	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Ariz	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Ark	Wallace Associates	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Cal	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Colo	Brooks Feeger Associates	1122-C San Mateo S.E., Albuquerque, NM	AM8-1724
Conn	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Del	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
DC	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Fla	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Ga	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Ill	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ill	Lee Mark Associates Inc	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Ind	Walter F Marsh & Associates	308 N. Scoville, Oak Park, Ill	EU6-2967
Ind	Electro Sales Associates	281 E. 216th St, Cleveland, Ohio	RE2-7446
Iowa	Lee Mark Associates Inc	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Iowa	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Kan	Lee Mark Associates Inc	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Ky	Electro Sales Associates	281 E. 216th St, Cleveland, Ohio	RE2-7446
La	Wallace Associates	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Me	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Md	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Mass	Charles A Winick Co	926 Riverview Rd, Schenectady, NY	ST5-8133
Mass	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Mich	Electro Sales Associates	281 E. 216th St, Cleveland, Ohio	RE2-7446
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Mo	Lee Mark Associates Inc	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
Neb	Lee Mark Associates Inc	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
NH	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NJ	Holdsworth & Co	426 S. Springfield Rd, Clifton Heights, Pa	MA6-8300
NM	Brooks Feeger Associates	1122-C San Mateo S.E., Albuquerque, NM	AM8-1724
NY	Charles A Winick Co	926 Riverview Rd, Schenectady, NY	ST5-8133
NC	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
ND	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Ohio	Electro Sales Associates	281 E. 216th St, Cleveland, Ohio	RE2-7446
Okla	Wallace Associates	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Ore	Paramount Agencies	9210 28th N.W., Seattle, Wash	SU4-6447
Pa	Electro Sales Associates	281 E. 216th St, Cleveland, Ohio	RE2-7446
Pa	Holdsworth & Co	426 S. Springfield Rd, Clifton Heights, Pa	MA6-8300
RI	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
SC	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tenn	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Tex	Wallace Associates	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Utah	Brooks Feeger Associates	1122-C San Mateo, S.E., Albuquerque, NM	AM8-1724
Vt	Charles A Winick Co	926 Riverview Rd, Schenectady, NY	ST5-8133
Vt	George Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Va	Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	Paramount Agencies	9210 28th N.W., Seattle, Wash	SU4-6447
Wisc	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Wisc	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Canada	Instronics Ltd	P.O. Box 51, Stittsville, Ontario, Canada	TA8-1253
Foreign	Terminal Radio International Ltd	240 W. 17th St, New York 6, NY	CH3-5200
	LUMEN INC	**P. O. Box 905, Joliet, Ill**	**SA3-9334**
Ala	Aerol Associates	361 E. Paces Ferry Rd, Atlanta, Ga	CE3-8231
Ariz	Frank A Emmet & Co	1810 Fair Oaks Ave, S. Pasadena, Cal	
Cal	Electrosources Inc	201 Town & Country Village, Palo Alto	DA1-0776
Cal	Frank A Emmet & Co	1810 Fair Oaks, S. Pasadena, Cal	
Conn	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Del	Andco Sales Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
DC	Andco Sales Engineering Inc	5118 Baltimore Ave, Hyattsville, Md	AP7-4342
Fla	Aerol Associates	312 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates	361 E. Paces Ferry Rd, N.E., Atlanta 5	CE3-8231
Ill	Ralph F Roussey & Associates Inc	426 Edgewood Pl, River Forest, Ill	FO9-6523
Ind	Ralph F Roussey & Associates Inc	3412 Beekman St, Cincinnati, Ohio	KI1-2807
Ky	Ralph F Roussey & Associates Inc	3412 Beekman St, Cincinnati, Ohio	KI1-2807
Me	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Md	Andco Sales Engineering Inc	5118 Baltimore Ave, Hyattsville, Md	AP7-4342
Mass	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Mich	Electro-Mation Associates	4012 E. 9 Mile Rd, Warren, Mich	JE9-1420
Minn	Mel Foster Co., Inc	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Nev	Electrosources Inc	201 Town & Country, Palo Alto, Cal	DA1-0776
NH	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
NJ	Aerol Associates	1180 Raymond Blvd, Newark, NJ	MA3-0336
NJ	Andco Sales Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
NY	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-6950
NY	Aerol Associates	103 Pickwick Rd, DeWitt, NY	GI6-4560
NC	Aerol Associates	361 E. Paces Ferry Rd, Atlanta, Ga	CE3-8231
Ohio	Ralph F Roussey & Associates Inc	3412 Beekman St, Cincinnati, Ohio	KI1-2807
Okla	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Ore	Avionics Liaison Inc	Boeing Fld, Box 15, Seattle 8, Wash	PA3-7602
Pa	Andco Sales Engineering Inc	5823 Greene St, Philadelphia, Pa	VI4-9100
RI	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
SC	Aerol Associates	361 E. Paces Ferry Rd, Atlanta, Ga	CE3-8231
Tenn	Aerol Associates	361 E. Paces Ferry Rd, Atlanta, Ga	CE3-8231
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Vt	Thorburn Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Va	Andco Sales Engineering Inc	5118 Baltimore Ave, Hyattsville, Md	AP7-4342
Wash	Avionics Liaison Inc	Boeing Fld, Seattle 8, Wash	PA3-7602
Wisc	Ralph F Roussey & Associates Inc	426 Edgewood Pl, River Forest, Ill	FO9-6523
	LUMENITE ELECTRIC CO	**407 S. Dearborn St, Chicago 5, Ill**	**HA5-1272**
	LUNDEY ASSOCIATES, INC	**694 Main St, Waltham, Mass**	**TW3-6064**
Ariz	Sheffler-Kahn Co	Box 1587, Phoenix, Ariz	AL6-7893
Cal	E E Starr	4101 Rhodes Ave, N. Hollywood, Cal	ST7-5879
Cal	Robert R Slater & Associates	420 Market St, San Francisco	SU1-8654
Conn	Richard H Whitehead Jr Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Del	Charles R Hile Co	Box 144, Hillview Rd, Paoli, Pa	NI4-5500
DC	Charles R Hile Co	Box 144, Hillview Rd, Paoli, Pa	NI4-5500
Fla	Buchanan & Abrams Associates	P.O. Box 6026, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates	P.O. Box 6026, Orlando, Fla	GA3-8995
Ill	E G Kostal & Associates	6272 W. North Ave, Chicago 39, Ill	TU9-1521
Ind	E G Kostal & Associates	6272 W. North Ave, Chicago 39, Ill	TU9-1521
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis	FE2-5457
Md	Charles R Hile Co	P.O. Box 144, Hillview Rd, Paoli, Pa	NI4-5500
Mich	E G Kostal & Associates	6272 W. North Ave, Chicago 39, Ill	TU9-1521
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Mo	Forristall-Young Sales Co	8147 Delaware, St. Louis, Mo	PA5-7701
NJ	Hamilton Electronic Labs	560 Freeman St, Orange, NJ	OR6-5656
ND	The Heimann Co	517 Midway St, Hendersonville, NC	
Ore	Robert R Slater	915 Terminal Sales Bldg, Seattle 1, Wash	MA3860
Pa	Charles R Hile Co	Box 144, Paoli, Pa	
Tex	Lawrence Sales Co	P.O. Box 13026, Dallas 20, Tex	
Va	Woodrow E France	517 Midway St, Hendersonville, NC	
Wash	Robert R Slater	915 Terminal Sales Bldg, Seattle 1	
	LUNDY MFG CORP	**Robert Le, Glen Head, NY**	**OR6-1440**
Ala	Ken Dane	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Ariz	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Ark	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Cal	George W Ledbetter & Associates	P.O. Box 528, Encino, Cal	ST9-8115
Colo	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Conn	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Del	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
Fla	Ken Dane	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Ga	Ken Dane	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Ill	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Ind	Oem Sales Co	P.O. Box 55232, Indianapolis 5, Ind	LI6-2452
Kan	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Me	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Md	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
Mass	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Mo	Oem Sales Co	P.O. Box 55232, Indianapolis 5, Ind	LI6-2452
NH	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NJ	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
NY	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NC	Ken Dane	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Ohio	Carl Borden	P.O. Box 46, Bellbrook, Ohio	VI8-2242
Ohio	Roc Associates Inc	P.O. Box 241, Worthington, Ohio	AM7-3517
Okla	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Pa	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
RI	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
SC	Ken Dane	P.O. Box 78, Sandy Springs, Ga	MA7-3488
Tex	Lundy Mfg Corp	1330 Airport Dr, Wichita 13, Kan	WH2-5122
Vt	B Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Va	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
Wash	George W Ledbetter & Associates	P.O. Box 528, Encino, Cal	ST9-8115
W. Va	The Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
Canada	Anthony Foster & Sons Ltd	6550 Upper Lachine Rd, Mont, Que, Can	HU9-7203
Canada	Anthony Foster & Sons Ltd	294-306 Church St, Toronto, Ont, Canada	EM6-3081
	LUTHER ELECTRONIC MFG CO	**5728 W. Washington Blvd, L A 16, Cal**	**WE9-5826**
	LUXO LAMP CORP	**Dock St, Port Chester, NY**	**WE7-4433**
Ala	L R Massey	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Cal	Luxo Lamp Corp	1683 Jerrold Ave, San Francisco, Cal	AT5-0550
Conn	Robert Rubin	35 Barker Ave, White Plains, NY	WH8-5695
Del	Dave Evans	4811 Leiper St, Philadelphia, Pa	
DC	Dave Evans	4811 Leiper St, Philadelphia, Pa	
Fla	Wm Hemminger	624 N.E. 79th St, Miami, Fla	PL9-0300
Ill	Key Men Sales	5500 N. Menard Ave, Chicago 30, Ill	
Ind	H Darnold	914 Kentucky St, Racine, Wisc	
Iowa	F Carleen	Rt 1, Mound, Minn	
Kan	Clemenson & Larrabee	436 E. 79th St, Kansas City 10, Mo	JA3-3005
La	Berthold Sales	4411 Maple Ave, Dallas 19, Tex	EM8-5120
Mich	Linc Horton	13545 Memorial Ave, Detroit 27, Mich	VE8-1452
Ohio	Fred W Rossenwasser	13781 Cedar Rd, Cleveland 18, Ohio	
Ohio	Adolph Radin	2745 Sulgrave Rd, Cleveland 22, Ohio	IN4-9282
	LUZERNE RUBBER CO., THE	**Mainland Ave, Trenton 7, NJ**	**EX2-4131**
Ark	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
Ill	Albert J Cox Co	565 W. Washington St, Chicago 6, Ill	FR2-1954
Ill	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
Ind	Albert J Cox Co	565 W. Washington St, Chicago 6, Ill	FR2-1954
Ind	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
Ky	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
La	R C Foltz Co	P.O. Box 13313, Houston 19, Tex	JA9-2429
Mo	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
NY	Robert W Deverell Jr	3061 Chili Ave, Rochester 11, NY	BE5-2457
Tenn	R V Angermeier Co	3007 Muensterman Ave, Evansville 12, Ind	
Tex	R C Foltz Co	P.O. Box 13313, Houston 19, Tex	JA9-2429
	LYMAN ELECTRONIC CORP	**P. O. Box 1649, Springfield, Mass**	**RE7-6341**
	LYNCH COMMUNICATION SYS INC	**695 Bryant St, San Francisco 7, Cal**	**EX7-1471**
Foreign	Philips Export Co	100 E. 42nd St, New York City, NY	
	LYNCH MFG CO., R H	**7831 E.Arroyo Dr, S. San Gabriel, Cal**	**AT8-3810**
	LYN-TRON INC	**5350 Riverton Ave, N. Hollywood, Cal**	**TR2-9023**
Ariz	Carl Hower & Co	340 N. Marshall, Scottsdale, Ariz	WH5-2471
Cal	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Cal	M W Riedel Co	6842 Lake Ct, San Diego, Cal	BR7-2582
Fla	L E Barnhart Co	1003 Gunka Rd, Jacksonville, Fla	RA4-0987
Ill	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill	BE5-6601
Mass	Sales Associates of New England	30 Chester St, Somerville, Mass	SO6-0917
Wash	Fred H Haight Co	3213 Eastlake Ave, Seattle, Wash	EA2-1818
	LYNCOACH & TRUCK CO., INC	**Oneonta, NY**	**GE3-2900**
Ala	Lyncoach Alabama	Troy, Ala	
	MCCORMICK SELPH ASSOCIATES	**Hollister Airport, Hollister, Cal**	**ME7-3731**
Ariz	Don Conroy	12152 N. Rossiter Ave, San Fernando, Cal	EM5-8316
Cal	Don Conroy	12152 N. Rossiter Ave, San Fernando, Cal	EM5-8316
Conn	John Thoerle	33 Wheelbarrow Ln, Wantagh, NY	GE1-0333
NY	John Thoerle	33 Wheelbarrow Ln, Wantagh, NY	GE1-0333
Pa	John Thoerle	33 Wheelbarrow Ln, Wantagh, NY	GE1-0333

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	MCCOY ELECTRONICS CO ..... **Mt. Holly Springs, Pa**	**HU6-3411**
Alaska	Fred H Haight Co ..... 3212 Eastlake Ave, Seattle 2, Wash	EA1818
Ariz	Fred A Pease ..... 4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Cal	Lee H Owens & Co ..... 1102 S. Western Ave, Los Angeles 6, Cal	RE5-0203
Cal	John E Striker Co ..... P.O. Box 548, San Carlos, Cal	LY1-0736
Colo	Fred A Pease ..... 4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Conn	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
Del	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
DC	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
Fla	R P Boyne Co ..... 355 Westwood Dr, Key Biscayne, Miami	EM1-2847
Idaho	Fred H Haight Co ..... 3212 Eastlake Ave, Seattle 2, Wash	EA1818
Ill	Gianaras Sales Co ..... 5435 Northwest Hwy, Chicago 30, Ill ...	SP4-4600
Ind	Gianaras Sales Co ..... 5435 Northwest Hwy, Chicago 30, Ill ...	SP4-4600
Iowa	Automatic General Electronic Sales	6550B Troost Ave, Kansas City 10, Mo ..	DE3-8206
Kan	Automatic General Electronic Sales	6550B Troost Ave, Kansas City 10, Mo ..	DE3-8206
Me	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
Md	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
Mass	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
Mo	Automatic General Electronic Sales ..	6550-B Troost Ave, Kansas City 10	DE3-8206
Mont	Fred H Haight Co ..... 3212 Eastlake Ave, Seattle 2, Wash	EA1818
Neb	Automatic General Electronic Sales ..	6550B Troost Ave, Kansas City 10, Mo ..	DE3-8206
NH	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
NJ	Lawrence C Fuller Jr ..... 32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
NJ	Henry G Richter Inc ..... 467 Hillside Ave, Westfield, NJ	AD3-4615
NM	Fred A Pease ..... 4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	Henry G Richter Inc ..... 467 Hillside Ave, Westfield, NJ	AD3-4615
NY	Martin P Andrews Inc ..... 319 Mott Rd, Fayetteville, NY	NE7-6405
NC	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
Ohio	Bek Associates ..... 330 Salem Ave, Dayton 6, Ohio	CR6-1343
Okla	Automatic General Electronic Sales	6550B Troost Ave, Kansas City 10, Mo ..	DE3-8206
Ore	Fred H Haight Co ..... 3212 Eastlake Ave, Seattle 2, Wash	EA1818
Pa	Lawrence C Fuller Jr ..... 32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
RI	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
Tex	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Utah	Fred A Pease ..... 4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Vt	The Dea Co ..... 30 Arlington St, Lynnfield Center, Mass	LY4-3575
Va	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
Wash	Fred H Haight Co ..... 3212 Eastlake Ave, Seattle 2, Wash	EA1818
W.Va	J W Sheffer ..... 4605 Old Frederick Rd, Baltimore, Md ..	WI5-4126
Wisc	Gianaras Sales Co ..... 5435 Northwest Hwy, Chicago 30, Ill ...	SP4-4600
Wyo	Fred A Pease ..... 4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Foreign	Air America Supply Agency .... P.O. Box 6325, Wash 15, DC	WH6-2848
	MC DOWELL ELECTRONICS INC ... **P.O. Box 342, Metuchen, NJ**	**LI8-9109**
	MC GILL MFG CO., INC ELEC DIV ... **909 N. Lafayette St, Valparaiso, Ind**	**HO2-2161**
Ala	E T Loyd Inc ..... 69 Mills St, N.W., Atlanta 8, Ga	MU8-9104
Ariz	J G Pomeroy Co ..... 1004 E. 4th St, Los Angeles 13, Cal	MA5-1105
Ark	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Cal	Geo A Gray Co ..... 2720-17th St, San Francisco 10, Cal	HE1-1526
Cal	J G Pomeroy Co ..... 1004 E. 4th St, Los Angeles 13, Cal	MA5-1105
Colo	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Conn	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
Del	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
DC	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
Fla	Ernest T Loyd Inc ..... 69 Mills St, N.W., Atlanta 8, Ga	MU8-9104
Ga	Ernest T Loyd Inc ..... 69 Mills St, N.W., Atlanta 8, Ga	MU8-9104
Hawaii	Geo A Gray Co ..... 2720-17th St, San Francisco 10, Cal	HE1-1526
Ill	Robert J Eckert ..... 4827 S. Keating Ave, Chicago, Ill	LU2-5499
Iowa	R Q Windle ..... 127 N. 92nd St, Milwaukee 13, Wisc	SP4-6155
Kan	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
La	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Me	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
Md	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
Mass	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
Mich	Turrell & Co ..... 8414 W. McNichols Rd, Detroit 21, Mich	UN4-5077
Minn	Harlan G Schendel ..... 111 E. 16th St, Minneapolis, Minn	FE9-1777
Miss	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Mo	Richard Q Windle ..... 127 N. 92nd St, Milwaukee 13, Wisc	SP4-6155
Mont	Strohecker Inc ..... 2207 First Ave, S., Seattle 4, Wash	MU2-3591
Neb	Richard Q Windle ..... 127 N. 92nd St, Milwaukee 13, Wisc	SP4-6155
Nev	Geo A Gray Co ..... 2720-17th St, San Francisco 1, Cal	HE1-1526
Nev	J G Pomeroy Co ..... 1004 E. 4th St, Los Angeles 13, Cal	MA5-1105
NH	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
NJ	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
NJ	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
NM	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
NY	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
NY	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
NY	A C Schultz Co ..... 76 S. Long St, Buffalo 21, NY	SP5078
NC	Ernest T Loyd Inc ..... 69 Mills St, N.W., Atlanta 8, Ga	MU8-9104
ND	Harlan G Schendel ..... 111 E. 16th St, Minneapolis, Minn	FE9-1777
Ohio	Byron W Gramos ..... 1301 N. Franklin, Valparaiso, Ind	HO2-5850
Ohio	Turrell & Co., Inc ..... 8414 W. McNichols Rd, Detroit 21, Mich	UN4-5077
Okla	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Ore	Strohecker Inc ..... 2207 First Ave, S. Seattle 4, Wash	MU2-3591
Pa	A C Schultz Co ..... 76 S. Long St, Buffalo 21, NY	SP5078
Pa	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
Pa	Geo C Knott Jr ..... P.O. Box 389, Pt. Washington, NY	7-4440
RI	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
SC	Ernest T Loyd Inc ..... 69 Mills St. N.W., Atlanta 8, Ga	MU8-9104
SD	Harlan G Schendel ..... 111 E. 16th St, Minneapolis, Minn	FE9-1777
Tenn	Ernest T Loyd Inc ..... 69 Mills St. N.W., Atlanta 8, Ga	MU8-9104
Tex	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Utah	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Vt	Jack Kogel ..... 220 Stockade Rd, S. Glastonbury, Conn ..	ME3-7324
Va	Ernest T Loyd Inc ..... 69 Mills St, N.W., Atlanta 8, Ga	MU8-9104
Wash	Strohecker Inc ..... 2207 First Ave, S., Seattle 4, Wash	MU2-3591
W. Va	A C Schultz Co ..... 76 S. Long St, Buffalo 21, NY	SP5078
Wisc	Richard Q Windle ..... 127 N. 92nd St, Milwaukee 13, Wisc	SP4-6155
Wyo	Jack Raley ..... Prentice Bldg, Dallas 6, Tex	EM8-5923
Foreign	U S Engineering & Mfg Co ..... 3254 N. Lincoln Ave, Chicago 13, Ill ...	EA7-0800
Foreign	Tom Wark ..... 38/11 Roslyn Ave, Elizabeth Bay, NSW, Australia	
	MC GREGOR ELECTRONIC INDUSTRIES ..... **132 First St, McGregor, Iowa**	**MC682**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	MCINTOSH LABORATORY INC ..... **2 Chambers St, Binghamton, NY**	**RA3-5491**
Ala	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
Alaska	Burt Porter Co ..... 1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	OL3-1605
Ark	Charles Lucas Sales Co ..... P.O. Box 8506, Dallas 16, Tex	WH2-5958
Cal	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	OL3-1605
Cal	Koessler Sales Co ..... 676 Fulton, San Francisco, Cal	JO7-0622
Colo	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
Conn	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
Del	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
DC	Gene Rosen & Associates Inc ..... 9501 Wadsworth Dr, Bethesda 14, Md ...	OL6-6300
Fla	World Wide Products ..... P.O. Box 154, North Miami Beach, Fla ..	WI7-3531
Ga	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
Hawaii	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	OL3-1605
Idaho	Burt Porter Co ..... 1209 Poplar Dr, Seattle 44, Wash	EA3-8330
Idaho	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
Ill	Peterson Sales ..... 3647 W. 62nd St, Chicago, Ill	RE5-0846
Ind	Peterson Sales ..... 3647 W. 62nd St, Chicago, Ill	RE5-0846
Iowa	Zimmer Sales ..... 5620 Woodward Ave, Mirr	HE2-1121
Kan	Zimmer Sales ..... 5620 Woodward Ave, Mirr	HE2-1121
Ky	Peterson Sales ..... 3647 W. 62nd St, Chicago, Ill	RE5-0846
La	Charles Lucas Sales Co ..... P.O. Box 8506, Dallas 16, Tex	WH2-5958
Me	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
Md	Gene Rosen & Associates Inc ..... 9501 Wadsworth Dr, Bethesda 14, Md ...	OL6-6300
Mass	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
Mich	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	MA1-5075
Minn	Peterson Sales ..... 3647 W. 62nd St, Chicago, Ill	RE5-0846
Miss	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
Mo	Zimmer Sales ..... 5620 Woodward Ave, Merriam Kan	HE2-1121
Mont	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
Neb	Zimmer Sales ..... 5620 Woodward Ave, Merriam, Kan	HE2-1121
Nev	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	OL3-1605
NH	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
NJ	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
NM	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
NY	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
NC	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
ND	Zimmer Sales ..... 5620 Woodward Ave, Merriam, Kan	HE2-1121
Ohio	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	MA1-5075
Okla	Charles Lucas Sales Co ..... P.O. Box 8506, Dallas 16, Tex	WH2-5958
Ore	Burt Porter Co ..... 1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	MA1-5075
Pa	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
RI	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
SC	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
SD	Zimmer Sales ..... 5620 Woodward Ave, Merriam, Kan	HE2-1121
Tenn	L D Roddey ..... P.O. Box 11302, Charlotte 9, NC	JA3-5437
Tex	Charles Lucas Sales Co ..... P.O. Box 8506, Dallas 16, Tex	WH2-5958
Utah	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
Vt	Miller Electronics ..... 27 Mechanic St, Red Bank, NJ	SH1-9300
Va	Gene Rosen & Associates Inc ..... 9501 Wadsworth Dr, Bethesda 14, Md ...	OL6-6300
Wash	Burt Porter Co ..... 1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	MA1-5075
Wisc	Peterson Sales ..... 3647 W. 62nd St, Chicago, Ill	RE5-0846
Wyo	Gates Co ..... 200 S. Main St, Salt Lake City, Utah	EL9-1101
Foreign	Westrex ..... 111 Eighth Ave, New York 11, NY	CH3-2300
	MC INTYRE ASSOCIATES ..... **3449B Oceanview Blvd, Glendale, Cal** ..	**MU1-6981**
Ill	Electronic Sales Engineers ..... 7851 S. Escanaba Ave, Chicago, Ill	SA1-9844
	MCKENNA LABORATORIES ..... **2503 Main St, Santa Monica, Cal**	**EX9-8846**
Ala	COL-INS-CO ..... 64 E. Central Ave, Orlando, Fla	
Ariz	Harry Steele ..... 4422 N. 56th St, Phoenix, Ariz	
Cal	William Thersner ..... 405 S. Sunnyvale, Sunnyvale, Cal	
Colo	Scientific Instrument Co ..... 1460 Pennsylvania St, Denver 3, Colo	
Conn	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Del	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
DC	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Fla	COL-INS-CO ..... 64 E. Central Ave, Orlando, Fla	
Ga	COL-INS-CO ..... 64 E. Central Ave, Orlando, Fla	
Kan	Don Henderson ..... 511 N. Highland, Ada, Okla	
Me	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Md	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Mass	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
NH	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Okla	Don Henderson ..... 511 N. Highland, Ada, Okla	
RI	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
SC	COL-INS-CO ..... 64 E. Central Ave, Orlando, Fla	
Tex	Don Henderson ..... 511 N. Highland, Ada, Okla	
Vt	The Fred Whiteside Corp ..... 10 High St, Boston 10, Mass	
Va	The Fred Whiteside Corp ..... 10 High St, Boston, Mass	
	MCLEAN ENGINEERING LABS ..... **P.O. Box 228, Princeton, NJ**	**WA4-4440**
Cal	J C Van Groos Co ..... 21051 Costanso St, Woodland Hills, Cal	DI0-3134
Cal	J C Van Groos Co ..... 1178 Los Altos Ave, Los Altos, Cal	WH8-7266
Colo	Hytronic Measurements Inc ..... 1295 S. Bannock, Denver, Colo	PE3-3701
Conn	Technical Instruments Inc ..... 1115 Main St, Bridgeport, Conn	FO8-4582
DC	W A Brown & Associates Inc ..... 3610 Mt. Vernon Ave, Alexandria, Va ...	TE6-1800
Fla	W A Brown & Associates Inc ..... 201 Capron Rd, Indian River City, Fla ..	AM7-0411
Ill	Bauman & Bluzat ..... 2753 W. North Ave, Chicago 47, Ill	HU6-6809
Iowa	Engineering Services Co ..... 1305 Oakland Gardens, Cedar Rapids, ...	EM5-6183
Kan	Engineering Services Co ..... 8325 E. Indianapolis St, Wichita, Kan ...	MU3-3751
Mass	Technical Instruments Inc ..... 90 Main St, Reading, Mass	RE2-3930
Mich	M P Odell Co ..... 10531 W. McNichols Rd, Detroit, Mich ...	UN2-1573
Minn	Scott Electronic Sales ..... 6500 Xerxes Ave, S., Minneapolis 23	WA6-3919
Mo	Engineering Services Co ..... 4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co ..... 6635 Delmar Blvd, St. Louis, Mo	VO3-3660
NJ	Kenneth E Hughes Co ..... 4808 Bergenline Ave, Union City, NJ ...	UN7-3204
NM	Hy. onic Measurements Inc ..... 211 Sierra, S.E., Albuquerque, NM	
NY	Technical Instruments Inc ..... 916 Liverpool Rd, Liverpool, NY	OL2-2534
NY	Kenneth E Hughes Co ..... 4808 Bergenline Ave, Union City, NJ ...	UN7-3204
Ohio	M P Odell Co ..... 26614 Center Ridge Rd, Westlake, Ohio	TR1-8000

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ohio	M P Odell Co ..... 2676 Salem Ave, Dayton, Ohio	CR7-4441
Pa	Kenneth E Hughes Co ..... 101 N. 33rd St, Philadelphia 4, Pa	EV6-3130
Pa	M P Odell Co ..... 750 Pennsylvania Ave, Pittsburgh, Pa ..	FR1-1231
Utah	Hytronic Measurements Inc ..... 2022 S. Main St, Salt Lake City 15, Utah	IN6-4924
Wash	N R Schultz Co ..... 4227 Airport Ave, Seattle 8, Wash	MA4-8650
	MC MILLAN INDUSTRIAL CORP ... **Brownsville Ave Plant, Ipswich, Mass** ...	**EL6-2926**
Ala	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Ariz	Gates Co ..... 122 Harvard Dr, S.E., Albuquerque, NM ..	3-8010
Cal	Cochrane Electronics Sales Co ..... 544 S. Mariposa Ave, Los Angeles 5, Cal	DU5-0095
Colo	Gates Co ..... 200 S. Main St, Salt Lake City 1, Utah ..	EL9-1101
Conn	Instrument Dynamics Inc ..... 75 Wilcox Rd, Milford, Conn	TR4-7764
DC	Engineering Associates ..... 412 Albee Bldg, Wash 5, DC	ST3-7319
Fla	Specialized Electronics Corp ..... 711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Idaho	Gates Co ..... 200 S. Main St, Salt Lake City 1, Utah ..	EL9-1101
Ill	Carlson Electronic Sales ..... 6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Ind	Carlson Electronic Sales ..... 6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Iowa	Carlson Electronic Sales ..... 6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Kan	Thomson Engineering Service ..... 8230 Forsyth Blvd, St. Louis 5, Mo	FA7-7705
Me	Instrument Dynamics Inc ..... 11 Albion St, Wakefield, Mass	CR6-5100
Md	Engineering Associates ..... 2125 Maryland Ave, Baltimore 18, Md ...	HO7-1966
Mass	Instrument Dynamics Inc ..... 11 Albion St, Wakefield, Mass	CR6-5100
Miss	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Mo	Thomson Engineering Service ..... 8230 Forsyth Blvd, St. Louis 5, Mo	PA7-7705
Nev	Gates Co ..... 200 S. Main St, Salt Lake City 1, Utah ..	EL9-1101
NH	Instrument Dynamics Inc ..... 11 Albion St, Wakefield, Mass	CR6-5100
NM	Gates Co ..... 122 Harvard Dr, S.E., Albuquerque, NM ..	3-8010
NC	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Okla	Thomson Engineering Service ..... 8230 Forsyth Blvd, St. Louis 5, Mo	PA7-7705
RI	Instrument Dynamics Inc ..... 11 Albion St, Wakefield, Mass	CR6-5100
SC	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Tenn	Specialized Electronics Corp ..... 529 N. 18th St, Birmingham 5, Ala	FA4-1615
Tex	Thomson Engineering Service ..... 2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Utah	Gates Co ..... 200 S. Main St, Salt Lake City 1, Utah ..	EL9-1101
Vt	Instrument Dynamics Inc ..... 11 Albion St, Wakefield, Mass	CR6-5100
Va	Engineering Associates ..... 412 Albee Bldg, Wash 5, DC	ST3-7319
Wisc	Carlson Electronic Sales ..... 6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Wyo	Gates Co ..... 200 S. Main St, Salt Lake City 1, Utah ..	EL9-1101
Foreign	Henley & Co., Inc ..... 202 E. 44th St, New York 17, NY	YU6-5544
Foreign	Sassoon Sopher Inc ..... 630 Fifth Ave, New York, NY	CI6-0670
	MCQUAY NORRIS MFG CO ..... **2320 Marcus, St. Louis 18, Mo**	**PR6-4800**
Cal	William M Couzens ..... 1224 1/2 S. Atlantic Blvd, L A 22, Cal ..	AN2-8240
Cal	L M Silva ..... 3124 E. 14 St, Oakland, Cal	
Conn	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass	ED5-6726
Ga	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Ill	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Ind	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Iowa	J F Dindorf ..... 2544 N. 86th St, Wauwatosa, Wisc	GL3-6313
Iowa	A A Chattillion ..... P.O. Box 116, Muskego, Wisc	GA2-1786
Kan	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Ky	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Me	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Md	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Mass	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Mich	H D Reading ..... 19195 Cooley St, Detroit, Mich	KE3-7118
Mich	J G Gardner ..... 16590 Winthrop, Detroit 35, Mich	VE8-8621
Minn	J F Dindorf ..... 2544 N. 86th St, Wauwatosa, Wisc	GL3-6313
Minn	A A Chattillion ..... P.O. Box 116, Muskego, Wisc	GA2-1786
Mo	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Neb	J F Dindorf ..... 2544 N. 86th St, Wauwatosa, Wisc	GL3-6313
Neb	A A Chattillion ..... P.O. Box 116, Muskego, Wisc	GA2-1786
Nev	S H Babcock ..... 3573 Pierce St, San Francisco 23, Cal ..	WE1-2155
NH	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
NJ	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
NY	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Ohio	C R Hammer ..... 2443 17th St, Cuyahoga Falls, Ohio	WA3-5501
Ohio	G A Gentzler ..... 3834 Beech St, Cincinnati, Ohio	BR1-8159
Pa	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Pa	C R Hammer ..... 2443 17th St, Cuyohoga Falls, Ohio	WA3-5501
RI	R T Lockard ..... 675 Commercial St, Weymouth 89, Mass ..	ED5-6726
Tenn	H G Campbell ..... 865 Preakness Ln, Florissant, Mo	WA1-1154
Tex	John C Fleming ..... 7001 Glen Hills Rd, Ft. Worth 11, Tex ..	AT4-2683
Va	G A Gentzler ..... 3834 Beech St, Cinncinnati 27, Ohio	BR1-8159
W. Va	G A Gentzler ..... 3834 Beech St, Cinncinnati 27, Ohio	BR1-8159
Wisc	J F Dindorf ..... 2544 N. 86th St, Wauwatosa, Wisc	GL3-6313
Wisc	A A Chattillion ..... P.O. Box 116, Muskego, Wisc	GA2-1786
	MB ELECTRONICS, DIV OF TEXTRON ELECTRONICS, INC .. **P. O. Box 1825, New Haven 8, Conn** ...	**FU9-1511**
Ala	Aeromart Inc ..... 1803 Red Oak Rd, Huntsville, Ala	JE6-8313
Ala	Aeromart Inc ..... 3230 Peachtree Rd, N.E., Atlanta, Ga ..	CE3-5519
Ariz	Pacific Scientific Co ..... 1950 Fifth Ave, San Diego, Cal	BE3-0156
Cal	Pacific Scientific Co ..... 760 Harrison St, San Francisco 7, Cal ...	DO2-0934
Cal	Pacific Scientific Co ..... P. O. Box 22019, Los Angeles 22, Cal ..	SP3-2020
Cal	Pacific Scientific Co ..... 1950 Fifth Ave, San Diego, Cal	BE3-0156
Colo	Lahana & Co ..... 1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	Equipment Sales Co., Inc ..... P. O. Box 6098, New Haven 17, Conn ...	CH8-5581
Del	V A Snyder Co ..... P. O. Box 184, Union, NJ	MU8-6100
DC	S S Lee Associates Inc ..... 2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	Arthur H Lynch & Associates ..... 406 Danley Dr, Ft. Myers, Fla	WE6-2181
Ga	Aeromart Inc ..... 3230 Peachtree Rd, N.E., Atlanta, Ga ...	CE3-5519
Ill	Maher Engineering Co ..... 4335 W. Peterson Ave, Chicago, Ill	PE6-8747
Ind	Maher Engineering Co ..... 4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Iowa	Maher Engineering Co ..... 4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Kan	Pacific Scientific Co ..... 702A E. Abram St, Arlington, Tex	CR5-3236
Ky	Lowry Dietrich Co ..... 703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
La	Aeromart Inc ..... 3230 Peachtree Rd, N.E., Atlanta, Ga ...	CE3-5519
Me	Equipment Sales Co., Inc ..... 5 Elm St, Danvers, Mass	SP4-2400
Md	S S Lee Associates Inc ..... P.O. Box 205, Lutherville, Md	VA3-3434
Mass	Equipment Sales Co., Inc ..... 5 Elm St, Danvers, Mass	SP4-2400
Mich	Satullo Co., The ..... 4512 N.Woodward Ave, Royal Oak, Mich	LI9-3910
Minn	Maher Engineering Co ..... 4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Miss	Aeromart Inc ..... 3230 Peachtree Rd, N.E., Atlanta, Ga ...	CE3-5519

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Maher Engineering Co	4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Neb	Maher Engineering Co	4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Nev	Pacific Scientific Co	P. O. Box 22019, Los Angeles 22, Cal	SP3-2020
NH	Equipment Sales Co., Inc	P. O. Box 6098, New Haven 17, Conn	CH8-5581
NJ	V A Snyder Co., Inc	P. O. Box 184, Union, NJ	MU8-6100
NM	Hyde Electronics Co	5206 Constitution Ave, N. E., Albuquerque	AM8-1111
NY	V A Snyder Co., Inc	P. O. Box 184, Union, NJ	MU8-6100
NC	S S Lee Associates Inc	P. O. Box 906, winston-Salem, NC	ST8-0431
Ohio	Lowry Dietrich Co	1276 W.Third St, Cleveland 13, Ohio	SU1-1855
Ohio	Lowry Dietrich Co	333 W. 1st St, Dayton 2, Ohio	BA3-6042
Okla	Pacific Scientific Co	702A E.Abram St, Arlington, Tex	CR5-3236
Ore	Pacific Scientific Co	1218 S.E. 7th Ave, Portland 14, Ore	BE4-9747
Pa	V A Snyder Co., Inc	P. O. Box 184, Union, NJ	MU8-6100
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
RI	Equipment Sales Co., Inc	P. O. Box 6098, New Haven 17, Conn	CH8-5581
SC	S S Lee Associates Inc	P. O. Box 906, Winston-Salem, NC	ST8-0431
Tenn	S S Lee Associates Inc	P. O. Box 906, Winston-Salem, NC	ST8-0431
Tex	Pacific Scientific Co	702A E.Abram St, Arlington, Tex	CR5-3236
Utah	Lahana & Co	1886 S.Broadway, Denver 10, Colo	PE3-3791
VT	Equipment Sales Co., Inc	P. O. Box 6098, New Haven 17, Conn	CH8-5581
Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wash	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
W. Va	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Wisc	Maher Engineering Co	4335 W.Peterson Ave, Chicago, Ill	PE6-8747
Wyo	Lahana & Co	1886 S.Broadway, Denver 10, Colo	PE3-3791
Foreign	Concor International Corp	P.O. Box 1884, New Haven 8, Conn	FU9-1511
	M E C INC	**796 Berry Rd, Nashville, Tenn**	**CY8-3376**
Cal	Robison Co	4026 W. 183rd St, Torrance, Cal	FR9-5531
Conn	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4434
Ill	Thomas B Hunter	4441 W. Irving Park Rd, Chicago, Ill	SP7-2500
Ind	James R Neff	3502 N. Riley Ave, Indianapolis, Ind	LI6-5824
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Mich	R G Dailey Co	201 Catherine St, Ann Arbor, Mich	NO8-6908
Minn	G E Arneson & Co	1407 Holcridge Ln, Wayzata, Minn	WI-5844
NY	Vaen Associates	177 White Plains Rd, Tarrytown, NY	WE1-2579
Pa	Cooper-Clement Associates	835 Glenside Ave, Wyncote, Pa	LI8-5450
Pa	S Wayne Garrigues	P.O. Box 74, Bala-Cynwyd, Pa	MO4-5645
	M F ELECTRONICS	**122 E. 25th St, New York 10, NY**	**GR3-5899**
	M P ENGINEERING CO	**Fairfield 3, Conn**	**AM8-2385**
	MRC MFG. CORP	**47 Beeson Vista Ave, Yonkers, NY**	
	MSA RESEARCH CORP	**Callery, Pa**	**EV3510**
	M-W LABORATORIES	**1824 N. Milwaukee Ave, Chicago 27, Ill**	**DI2-4020**
	MAAS & WALDSTEIN CO	**2121 Mc Carter Hwy, Newark, NJ**	**HU4-1600**
Ala	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ariz	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Ark	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Cal	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Colo	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Fla	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ga	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Hawaii	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Idaho	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Ill	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ind	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Iowa	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Kan	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ky	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
La	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Mich	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Minn	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Miss	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Mo	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Mont	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Neb	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Nev	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
NM	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
ND	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ohio	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Okla	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Ore	Smith Davis	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
SD	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Utah	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Wash	Smith Davis Co	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
Wisc	Maas & Waldstein Co	1658 Carroll Ave, Chicago, Ill	MO6-6084
Wyo	Smith Davis	10751 Venice Blvd, Los Angeles, Cal	TE0-2211
	MAC ALLEN CO	**New Market, NH**	**OL9-5533**
	MACARR INC	**4360 Bullard Ave, Bronx, NY**	**FA5-5510**
	MACDERMID INC	**526 Huntingdon Ave, Waterbury 29, Conn**	**PL4-6161**
Cal	MacDermid Pacific Inc	18802 Fonthill Ave, Torrance, Cal	DA3-6232
Colo	Mine & Smelter Supply Co	3800 Race St, Denver, Colo	CH4-4353
Ga	The Udylite Corp	1841 Cheshire Bridge Rd, Atlanta, Ga	TR5-1646
Ill	The Udylite Corp	2859 N. Natoma Ave, Chicago 34, Ill	TU9-6121
Ill	E F Stack	10110 S. Emerald Ave, Chicago 28, Ill	BE3-3289
Ind	The Udylite Corp	222 S. Arsenal Ave, Indianapolis 1, Ind	ME6-1730
Ind	Frank C Hartwig	4213 N. Audubon Rd, Indianapolis 26, Ind	LI6-2743
Mass	J T Sullivan	59 Thackeray Rd, Wellesley Hills 81	CE5-1701
Mich	Udylite Corp	1651 E. Grand Blvd, Detroit 11, Mich	WA1-3500
Mich	MacDermid Inc	610 Rosewood Ave, Ferndale, Detroit, 20	LI5-0064
Mo	Davies Supply & Mfg Co	4160 Meramec Ave, St. Louis 16, Mo	MO4-9332
Mo	R L Nyquist	10255 Julius Northway, St. Louis 27, Mo	YO6-8166
NY	The Udylite Corp	56-25 Queens Blvd, Woodside 77, NY	DE5-6300
NY	Harold Lazaar	79-11 41st Ave, Jackson Heights, NY	TW8-8277
NC	Marcel Couroisier	P.O. Box 9352, Charlotte, NC	
Ohio	William D Gordon	519 Laramie Trail, Cincinnati 15, Ohio	PO1-6390
Ohio	Clyde E Lowe	23707 Russell Ave, Bay Village, Ohio	ED3-1183
Ohio	Bill Young & Co., Inc	1843 N. Reading Rd, Cincinnati 15, Ohio	PO1-3320
Pa	The Udylite Corp	1400 Suckle Hwy, Pennsauken, NJ	NO5-0077
Pa	A J Butterer	P.O. Box 111, New Hope, Pa	VO2-5468
RI	C L Capobianco	639 Fruit Hill Ave, N. Providence, RI	EL3-3725
Tex	Davies Supply & Mfg Co	4160 Meramec Ave, St. Louis 16, Mo	MO4-9332
Tex	R L Nyquist	10255 Julius Northway, St. Louis 27, Mo	YO6-8166
	MACDONALD & CO	**1324 Ethel St, Glendale 7, Cal**	**CI1-6481**
Conn	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
Ill	The E M F Co	1645 Wabansea Ave, Chicago, Ill	AR6-6780
Md	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
Mass	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
Mich	Edwards Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
NH	R & S Electronics Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
NJ	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
NY	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
Ohio	Edwards Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Pa	Edwards Lohse Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
	MACHLETT LABORATORIES INC	**1063 Hope St, Springdale, Conn**	**FI8-7511**
Ariz	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
Ark	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Cal	Machlett Laboratories, Inc	2881 El Camino, Real-Redwood City, Cal	EM8-8871
Colo	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Idaho	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
Ill	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Ind	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Iowa	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Kan	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Ky	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
La	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Mich	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Minn	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Miss	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Mo	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Mont	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
Neb	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Nev	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
NM	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
ND	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Ohio	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Okla	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Ore	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
SD	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Tenn	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Tex	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Utah	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
Wash	Machlett Laboratories, Inc	2881 El Camino, Redwood City, Cal	EM8-8871
Wisc	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
Wyo	Machlett Laboratories, Inc	510 N. Dearborn St, Chicago 10, Ill	MI2-5316
	MACHINERY ELECTRIFICATION INC	**56 Hudson St, Northboro, Mass**	**EX3-2461**
Ala	Ray Williamson	P.O. Box 28, Gadsden, Ala	LI6-9340
Cal	Page E Golsan Jr	1421 S. Flower St, Los Angeles 15, Cal	RI7-5486
Colo	Hubert Kaub & Co	1025 Sante Fe Dr, Denver 4, Colo	MA3-4606
Ill	E Kneiriemen	6818 Osborne Ave, Hammond, Ind	SO8-8830
Mass	Machinery Electrification Inc	56 Hudson St, Northboro, Mass	EX3-2461
Mich	Charles H Armstrong Co	570 Livernois Ave, Ferndale 20, Mich	LI4-1305
Minn	Geo C May Co	3651 Cedar Ave, Minneapolis 7, Minn	PA9-5347
NY	A F Zissler	3700 East Ave, Rochester, NY	LU6-6226
NY	Machinery Electrification Inc	1 Continental Ave, New York, NY	LI4-3314
NC	Electro-Motion Inc	217 W. Morehead St, Charlotte, NC	EO2-8119
Ohio	J W Dorsey & Associates	420 Scott St, Covington, Ky	JU1-6161
Ore	Donal Co	P.O. Box 7013, Portland 19, Ore	CH6-3131
Pa	C A Briggs Associates	P.O. Box 151, Glenside, Pa	TU7-4080
Tex	B E Watson & Associates	9946 Parkford Rd, Dallas 18, Tex	DI8-3799
Wash	J A Tudor & Associates	2605 Western Ave, Seattle 1, Wash	MU2-7444
Canada	Dominion Electrohome Ind Ltd	Kitchener, Ontario, Canada	
	MACK ELECTRIC DEVICES INC	**49 Glenside Ave, Wyncote, Pa**	**TU4-8123**
	MACK IRON WORKS CO	**Warren & Water Sts, Sandusky, Ohio**	**MA6-3712**
	MACKAY INC A D	**198 Broadway, New York 38, NY**	**BA7-8532**
	MACKAY RESEARCH LABS	**P.O. Box 738, Benson, Ariz**	
	MACLEOD & HANOPOL INC	**10 Roland St, Charlestown 29, Mass**	**MO6-2171**
Conn	E R Vizard & Co	5900 Main St, Trumbull, Conn	AM8-5619
Me	E R Vizard & Co	5900 Main St, Trumbull, Conn	AM8-5619
Mass	Fred Hall	215 Main St, Kingston, Mass	JU5-2433
NH	E R Vizzard & Co	5900 Main St, Trumbull, Conn	AM8-5619
RI	E R Vizzard & Co	5900 Main St, Trumbull, Conn	AM8-5619
Vt	E R Vizard & Co	5900 Main St, Trumbull, Conn	AM8-5619
	MAGNAFLUX CORP SUB GENERAL MILLS	**7328 W. Lawrence Ave, Chicago 31, Ill**	**UN7-8000**
Cal	Magnaflux Corp	2300 S. Garfield, Los Angeles 22, Cal	RA3-8961
Mich	Magnaflux Corp	2777 E. Grand Blvd, Detroit 11, Mich	TR3-4343
NY	Magnaflux Corp	25 W. 43rd St, New York 36, NY	BR9-1716
Ohio	Magnaflux Corp	3317 Prospect Ave, Cleveland 15, Ohio	HE2-0727
Pa	Magnaflux Corp	5161 Brownsville Rd, Pittsburgh 36, Pa	TU2-3448
Tex	Magnaflux Corp	2823 Manor Way, Dallas 35, Tex	FL2-2626
	MAGNALECTRIC CORP	**Box 6008, Tulsa, Okla**	**FI5-7270**
Cal	McGill & McGill	939 Tiburon Blvd, Tiburon, Cal	GE5-4576
Kan	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mo	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Okla	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Tex	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
	MAGNASYNC CORP	**5546 Satsuma Ave, North Hollywood, Cal**	**TR7-5493**
Cal	Birns & Sawyer	6424 Santa Monica Blvd, Hollywood 38	HO4-5166
Ill	Behrend Cine Corp	111 E. Grand, Chicago 11, Ill	MI2-2281
Ill	Zenith Cinema Sew	3252 W. Fastu Ave, Chicago 25, Ill	IW8-2104
NY	Camera Equipment Co., Inc	315 W 43rd St, New York City 36, NY	JU6-1420
	MAGNATRAN INC	**P. O. Box 211, Kearny, NJ**	**WY1-6633**
	MAGNAVOX CO	**2131 Bueter Rd, Fort Wayne, Ind**	**EA-9721**
	MAGNETIC INSTRUMENT CO., INC	**637 Commerce St, Thorsewood, NY**	**RO9-5312**
Cal	Wright Engineering Co	180 E. California Blvd, Pasadena, Cal	MU1-8488
Ind	Tower Engineering	3898 Linden Ave, Dayton, Ohio	
La	Southern-Industrial Electronics Inc	Box 9814 Exchange Park, Dallas, Tex	FL2-3901
Mich	Tower Engineering	3898 Linden Ave, Dayton, Ohio	
Ohio	Tower Engineering	3898 Linden Ave, Dayton, Ohio	
Tex	Southern Industrial Electronics	Box 9814 Exchange Park, Dallas, Tex	FL2-3901
Canada	Radionics Ltd	8230 Mayvond St, Montrial, Canada	
	MAGNECORD DIV M I	**Box 7186, Tulsa 5, Okla**	
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham, Ala	
Ariz	Koessler Sales Co	2902 W. Villa Circle, Phoenix, Ariz	
Ark	Dick Bellew Sales Co	314 Melrose Ave, El Dorado, Ark	UN3-8325
Cal	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles, Cal	OL3-1605
Cal	Koessler Sales Co	676 Fulton St, San Francisco 2, Cal	JO7-0622
Colo	McLoud & Raymond Co	5403 E. Evans, Denver, Colo	SK6-1589
DC	Frank R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Fla	Maitland K Smith Co	322 Riverside Dr, Ormond Beach, Fla	
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	
Hawaii	Jim Hastin Sales Co	235 Cooke St, Honolulu, Hawaii	511-755
Ill	Del Hornbogen & Sons Sales Co	5334 W. Monroe St, Chicago 44, Ill	ES8-0150
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis 19, Ind	
Kan	Clyde Schryver Sales Co	508 N. Belmont, Wichita, Kan	
Md	Frank R Jodon Inc	2408 Burridge Rd, Baltimore, Md	NO8-1933
Mass	Maynard Moore Co	37 Lee St, Marblehead, Mass	LY5-8220
Mich	Del Hornbogen & Sons Sales Co	5334 W. Monroe St, Chicago 44, Ill	ES8-0150
Minn	Marvin Kirkeby Co	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Mo	Clyde Schryver Sales Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Nev	Koessler Sales Co	818 N. Fairfax Ave, Los Angeles, Cal	OL3-1605
NJ	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7112
NY	Marty Bettan Sales Co	167-15 73rd Ave, Flushing 66, NY	OL7-8659
NY	Maury Farber Associates	70 W. Chippewa St, Buffalo 2, NY	MO3-5434
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	
Ohio	James H Podolny Co	5912 Pennsylvania Ave, Pittsburgh 6, Pa	HI1-0800
Pa	James H Podolny Co	5912 Pennsylvania Ave, Pittsburgh 6, Pa	HI1-0800
Pa	John T Stinson Co	2124 Darby Rd, Havertown, Pa	SU9-7112
Tex	J Y Schoonmaker Co	5328 Redfield Ave, Dallas, Tex	
Wisc	Del Hornbogen & Sons Sales Co	5334 W. Monroe St, Chicago 44, Ill	ES8-0150
Canada	Magnecord Canada	3751 Bloor St, W., Islington, Ont, Can	BE1-3303
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	
	MAGNECRAFT ELECTRIC CO	**3352 W. Grand Ave, Chicago 51, Ill**	**EV4-6868**
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27	HO3-5694
Cal	Richard A Strassner Co	1682 Laurel St, San Carlos, Cal	LY3-4996
Conn	Ray Perron & Co	36 Louis St, Trumbull, Conn	AM8-9631
DC	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Fla	Mark Electronics Sales	P.O. Box 291, North Miami 61, Fla	WI7-5080
Ill	D Dolin Sales	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Ind	Hoemig Sales	Butler Ct, Fort Wayne, Ind	AN2083
Me	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Md	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Mass	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Minn	Mel Foster Co	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Nev	Richard A Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
NH	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	Varrelman-Gorman Co	P.O. Box 206, Livingston, NJ	IN3-5000
NM	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NY	Wall Associates	P.O. Box 161, DeWitt 14, NY	GI6-4100
NY	Wall Associates	P.O. Box 26, Boston, NY	XH1-3162
Ohio	Callaghan Bach	2209 Losantiville Rd, Cincinnati 13	RE1-8660
Pa	Ken Randall Co	121 N. Broad St, Philadelphia, Pa	LO4-2151
RI	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Vt	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Va	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Wisc	D Dolin Sales	5219 N. Hopkins St, Milwaukee 9, Wisc	HO3-7410
	MAGNE-HEAD DIV GENERAL TRANSISTOR CORP	**2660 S. Lacienega Blvd, L A 34, Cal**	**UP0-8601**
Cal	Bill Kotans Co	219 California Dr, Burlingame, Cal	DI4-7111
Cal	Malcolm Ross & Co	1623 S. La Cienega Blvd, Los Angeles	BR2-3103
Conn	Glenn M Hathaway Electronics	P.O. Box 797, Canaan, Conn	TA4-7215
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Md	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	VE7-2240
Mass	Glenn M Hathaway Electronics	238 Main St, Cambrige 42, Mass	KI7-0380
Mich	R C Merchant & Co	18411 W. McNichols Ave, Detroit, Mich	KE5-6000
Mich	R G Dailey & Co	201 E. Catherine St, Ann Arbor, Mich	NO8-6908
Minn	Hamilton & Bayle Associated	3359 Republic Ave, Minneapolis, Minn	
NY	R W Mitscher Co., Inc	487 Ellicott So Bldg, Buffalo, NY	WA2-517
NY	S A Shaw Co	361 Central Park Ave, Yonkers, NY	YO3-5700
	MAGNETEC CORP., THE	**7232 Etna Ave, Canoga Park, Cal**	**DI7-4642**
Pa	William R Scholes	P.O. Box 104, Cheltenham, Pa	PI5-2765
	MAGNETIC AMPLIFIERS INC	**632 Tinton Ave, New York 55, NY**	**CY3-6610**
Cal	West Coast Div	136 Washington St, El Segundo, Cal	
DC	J W Whitfield	6006 Onondago Rd, Washington 16, DC	EX3-5640
NC	R B Hamilton Co	Hickory, NC	
Tex	Tex-O-Koma Sales Co	2325B W. Jefferson, Grand Prairie, Tex	AN2-0866

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Foreign	Motwave Pvt Ltd	127 Mahatma Ghandi Rd, Bombay, India	
Foreign	P Gossen & Co	129 Erlangen, Bayern, Germany	
Canada	Cossor Ltd	301 Windsor St, Halifax, N S, Canada	

	MAGNETIC ANALYSIS CORP	**43-44 12th St, Long Island City, NY**	**ST6-7620**
Ala	D Bugden	705 E. Maple St, Canton, Ohio	HY9-7338
Cal	R W Cory	2275 Republic Ave, Costa Mesa, Cal	WI6-4114
Conn	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
Del	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
DC	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
Ill	G R McCasland	1302 N. Franklin St, Valparaiso, Ind	HO2-5810
Ind	G R McCasland	1302 N. Franklin St, Valparaiso, Ind	HO2-5810
Me	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
Md	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
Mass	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
Mich	T Reich	2482 Cummings Ave, Berkley, Mich	LI1-6897
Mo	G McCasland	1302 N. Franklin St, Valparaiso, Ind	HO2-5810
NH	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
NJ	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
NY	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
NY	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
NY	R Bartels	Box 68, Skaneateles, NY	OV5-5578
Ohio	F E Bryant	699 S. Turner Rd, Youngstown, Ohio	SW2-4534
Ohio	D Bugden	705 E. Maple St, N. Canton, Ohio	HY9-7338
Pa	F E Bryant	699 S. Turner Rd, Youngstown, Ohio	SW2-4534
Pa	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
RI	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
Tenn	D Bugden	705 E. Maple St, N. Canton, Ohio	HY9-7338
Tex	G McCasland	1302 N. Franklin St, Valparaiso, Ind	HO2-5810
Vt	J DeMaio	65 Birch Rd, Wapping, Conn	MI4-1123
Va	V L Spoley	13 Sunny Brook Rd, Bronxville, NY	DE7-1218
W. Va	D Bugden	705 E. Maple St, N. Canton, Ohio	HY9-7338
Wisc	G McCasland	1302 N. Franklin St, Valparaiso, Ind	HO2-5810

	MAGNETIC CIRCUIT ELEMENTS INC	**3722 Park Pl, Montrose, Cal**	**CH5-2012**

	MAGNETIC CONTROLS CO	**6329 Cambridge St, Minneapolis 16, Minn**	**WE9-4691**
Colo	K G Boyd Co	13214 Braun Rd, Golden, Colo	
DC	Defense Products Marketing Services	1724 Connecticut Ave, N.W., Wash, DC	AD2-3637
Mass	V J Huntoon Co	908 Belmont Ave, Springfield, Mass	ST8-8516

	MAGNETIC CORE CORP	**John & Lawrence Sts, Newburgh, NY**	**JO1-5116**
Cal	Westrep Corp	2022 S. Sepulveda, Los Angeles 25,	BR2-3757
Fla	Lee J Crowell	2727 Aloma, Winter Park, Fla	
Ga	Floyd Fausett & Co	777 Pinehurst Terr, Atlanta 10, Ga	PL3-3104
Ill	Robt J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robt J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
NJ	A Wetterhan Co	538 Buena Vista, Maple Shade, NJ	NO2-1611
NY	B J Forrest Co	102 Warren St, New York 7, NY	CO7-1712
Pa	Al Wetterhan Co	538 Buena Vista Ave, Maple Shade, NJ	NO2-1611
Tex	Corwin Associates	P.O. Box 16112, Dallas 18, Tex	BR8-8251
Foreign	W P Oskam & Co	P.O. Box 20699, Mexico bD.F	46-10-50

	MAGNETIC DEVICES INC	**712 East St, Frederick, Md**	**MO2-2144**
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	

	MAGNETIC INSTRUMENT CO., INC	**637 Commerce St, Thornwood, NY**	**RO9-5312**
Canada	Radionics Ltd	8230 Mayvond St, Montreal, Canada	

	MAGNETIC METALS CO	**Hayes Ave at 21 St, Camden, NJ**	**WO4-7842**

	MAGNETIC POWDERS INC SUB CRANE CO	**Fairview Ave, Johnsonburg, Pa**	**WO5-2015**

	MAGNETIC RESEARCH CORP	**3160 W. El Segundo Blvd, Hawthorne, Cal**	**ORB-1202**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville, Ala	JE2-2811
Colo	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Conn	Martin Electronic Marketing Org Inc	69 Greenwich St, Hempstead, NY	IV3-4060
Del	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
DC	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Idaho	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
La	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Md	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Nev	The James Heaton Co	413 Lethrop St, Redwood City, Cal	EM9-5278
NM	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
NY	Martin Electronic Marketing Org Inc	69 Greenwich St, Hempstead, NY	IV3-4060
Okla	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1703
Pa	Martin Electronic Marketing Org Inc	69 Greenwich St, Hempstead, NY	IV3-4060
Tenn	Roy Attaway Co	P.O. Box 361, Decatur, Ga	DR7-8943
Tex	Carey-Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Tex	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Utah	Applied Engineering Products Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Va	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wyo	Applied Engineering Co	405 Felt Bldg, Salt Lake City, Utah	EM4-4942

	MAGNETIC SHIELD DIV PERFECTION MICA CO	**1322 N. Elston Ave, Chicago 22, Ill**	**EV4-2122**
Ariz	Perlmuth Elec Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	Perlmuth Elec Associates	941 Charleston Rd, Palo Alto, Cal	DA1-5064
Cal	Perlmuth Elec Associates	5057 W. Washington Blvd, Los Angeles	WE1-1041
Conn	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Del	Dave Jones	31 E. 21st St, Baltimore, Md	BE5-5576
DC	Dave Jones	31 E. 21st St, Baltimore, Md	BE5-5576
Fla	J Neal & Co	P.O. Box 50-438, Miami, Fla	TU6-7729
La	Electro Mech Associates	6115 Denton Dr, Dallas, Tex	FL2-3389
Me	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Md	Dave Jones	31 E. 21st St, Baltimore, Md	BE5-5576
Mass	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Miss	Electro Mech Associates	6115 Denton Dr, Dallas Tex	FL2-3389
NH	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
NJ	Jules Bressler Co	4808 Bergenline, Union City, NJ	UN4-9577
NY	Jules Bressler Co	4808 Bergenline St, Union City, NJ	UN4-9577
NC	Dave Jones	31 E.21st St, Baltimore, Md	BE5-5576
Okla	Electro Mech Associates	6115 Denton Dr, Dallas, Tex	FL2-3389
RI	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Tenn	Electro Mech Associates	6115 Denton Dr, Dallas, Tex	FL2-3389
Tex	Electro Mech Associates	6115 Denton Dr, Dallas, Tex	FL2-3389
Vt	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Va	Dave Jones	31 E. 21st St, Baltimore, Md	BE5-5576
Canada	R S Griffith	455 Mt. Stephen, Montreal, Que, Canada	WE7-1167

	MAGNETIC SPECIALTIES INC	**P. O. Box 476, Trenton 3, NJ**	**EX2-4188**

	MAGNETIC WINDINGS DIV ESSEX WIRE CORP	**Freemansburg Ave at Hobson Blvd, Easton, Pa**	**BL3-2751**

	MAGNETICO INC	**6 Richter Ct, East Northport, NY**	**AN1-4502**
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix 4, Ariz	CR4-7342
Ark	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Cal	J W Marsh Co	4216 W. Jefferson Blvd, L A 16, Cal	RE2-0145
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco 24, Cal	VA4-6714
Conn	Schutter-Young Co	5 Obert St, Beverly, Mass	WA2-6121
Ill	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Ind	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Iowa	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Ky	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Me	Schutter-Young Co	5 Obert St, Beverly, Mass	WA2-6121
Mass	Schutter-Young Co	5 Obert St, Beverly, Mass	WA2-6121
Mich	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Minn	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Neb	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Nev	J-W Marsh Co	1258 Fitzgerald Ave, San Francisco 24, Cal	VA4-6714
NH	Schutter-Young Co	5 Obert St, Beverly, Mass	WA2-6121
NY	Gislason Sales Co	82 St. Paul St, Rochester 4, NY	LO2-8323
Ohio	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Tenn	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Vt	Schutter-Young Co	5 Obert St, Beverly, Mass	WA2-6121

	MAGNETICS, INC	**Butler, Pa**	**BU7-3787**
Ariz	Carl Hower & Co	340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Cal	Magnetics Inc	3841 E. Colorado Blvd, Pasadena, Cal	MU1-7487
Cal	Magnetics Inc	1743 Maryland Ave, Redwood City, Cal	EM6-1210
Colo	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-6881
Conn	Magnetics Inc	15 Elm Pl, New Canaan, Conn	WO6-1583
Fla	C. B. Small	Box 1346, Orlando, Fla	4-2071
Ill	H.G. Pretat, Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
Ind	H.G. Pretat, Inc	2511 W. Drexel, Ft. Wayne, Ind	KE-1251
Kan	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Mass	Magnetics Inc	Tupelo Rd, Holly Ridges, Marshfield	PI6-2460
Mich	R.C. Warner & Associates	Box 338, S., Whitley, Ind	
Minn	Fred Peterson	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Mo	James NO'Brien	25 S. Bemiston Ave, Clayton 5, Mo	PA1-4435
NJ	Magnetics Inc	172 Dahlia Terrace, N. Plainfield, NJ	PL7-0182
NY	Fowler-Beach Corp	3700 E. Ave, Rochester 18, NY	LU6-0468
NC	The Hilker Co	Box 5211, Winston Salem, NC	PA5-8588
Ohio	R.G. Sidnell	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
Tex	J.H. Lawrence	Box 13026, Dallas 20, Tex	FL2-7484
Export	B. Freudenberg, Inc	50 Rockefeller Plaza, New York 20, NY	PL7-9130
Canada	George M. Fraser Ltd	1554 Yonge St, Toronto 7, Ontario	WA4-9492

	MAGNETICS RESEARCH CO., INC	**255 Grove St, White Plains, NY**	**WH9-9588**
Conn	MF Aronson & Co	Box 182, Brookline, Mass	
Me	MF Aronson & Co	Box 182, Brookline, Mass	
Mass	MF Aronson & Co	Box 182, Brookline, Mass	
NH	MF Aronson & Co	Box 182, Brookline, Mass	
NY	John Wilde Association	1519 Northern Blvd, Rosyln, NY	
RI	MF Aronson & Co	Box 182, Brookline, Mass	
Vt	MF Aronson & Co	Box 182, Brookline, Mass	

	MAGTROL INC	**240 Seneca St, Buffalo 4, NY**	**TL6-7451**
Ala	Raymund Edward C Co	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	Davidson Joe & Associates	P.O. Box 108, S. Gate, Cal	NE6-2245
Cal	Davidson Joe & Associates	P.O. Box 108, S. Gate, Cal	NE6-2245
Conn	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Del	Jones William N Co	1106 Echo Ct, N., Towson, Md	VA3-2434
DC	Jones William N Co	1106 Echo Ct, N., Towson, Md	VA3-2434
Fla	Raymund Edward C Co	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ga	Raymund Edward C Co	1437 Kenilworth Dr, S.W., Atlanta, Ga	PL5-5318
Ill	Hausten David	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Ind	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
Iowa	Hausten David	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Me	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Md	Jones William N Co	1106 Echo Ct, N., Towson, Md	VA3-2434
Mass	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Mich	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
NH	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
N.	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NJ	Jones William N Co	1106 Echo Ct, N., Towson 4, Md	VA3-2434
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NC	Raymund Edward C	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ohio	Electro-Rep	22519 Telegraph Rd, Southfield, Mich	EL6-7211
Pa	Jones William N Co	1106 Echo Ct, N., Towson 4, Md	VA3-2434
RI	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
SC	Raymund Edward C	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Tex	Champion Don	P.O. Box 456, Hurst, Tex	AT4-1414
Vt	Bordewieck Robert	221 Grove St, Boston 85, Mass	VI3-0845
Wisc	Hausten David	607 E. Willow Ave, Wheaton, Ill	MO8-7312

Canada	Found Brothers	Malton Airport, Malton, Ontario, Canada	BU6-2241

	MAHLER RESEARCH FOUNDATION	**P.O. Box 1159, New York 1, NY**	**HI6-7441**

	MAICO ELECTRONICS INC	**21 N. 3rd St, Minneapolis 1, Minn**	**FE9-7041**

	MAIDA DEVELOPMENT CO	**214 Academy St, Hampton, Va**	**PA3-0785**
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Cal	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles, Cal	
Conn	Maida Development Co	271 Church St, New York, NY	WO6-4550
Ill	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
Ind	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
Iowa	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
Kan	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
Md	John Hansen	P.O. Box 504, Brielle, NJ	CA3-1881
Mass	Maida Development Co	271 Church St, New York, NY	WO6-4550
Mich	James H Sheehan	P.O. Box 2862, Rocky River, Ohio	ED1-4433
Mo	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
NH	Maida Development Co	271 Church St, New York 13, NY	WO6-4550
NJ	John Hansen	P.O. Box 504, Brielle, NJ	CA3-1881
NY	John Hansen	P.O. Box 504, Brielle, NJ	CA3-1881
Ohio	James H Sheehan	P.O. Box 2862, Rocky River, Ohio	ED1-4433
Pa	John Hansen	P.O. Box 504, Brielle, NJ	CA3-1881
Tenn	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373
Va	John Hansen	P.O. Box 504, Brielle, NJ	CA3-1881
Wisc	Maida Development Co	1608 N. Meade Ave, Chicago, Ill	BE7-7373

	MALAYAN TIN BUREAU	**2000 K St, N.W., Washington 6, DC**	**FE3-1020**

	MALCO MFG CO	**4623 W. Lake St, Chicago 24, Ill**	**VA6-9300**
Ariz	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Colo	Longstreet Smith Associates Inc	1013-15th St, Denver, Colo	KE4-5091
Conn	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Del	Habco Electronics	603 Allegheny Ave, Towson 4, Md	VA5-9637
DC	Paramount Technical Agencies	9210-28th N.W., Seattle 7, Wash	SU4-6447
Fla	Chris Small	P.O. Box 1346, Orlando, Fla	4-2071
Ind	Lesco	Box 845, Bloomington, Ind	ED6-6034
Iowa	A V Doran Co	950 Francis Pl, Clayton, St. Louis 5, Mo	PA5-3377
Kan	A V Doran Co	950 Francis Pl, Clayton, St. Louis 5, Mo	PA5-3377
La	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Me	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Md	Habco Electronics	603 Allegheny Ave, Towson 4, Md	VA5-9637
Mass	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Minn	Harold C Anderson	4933 W. Greenfield Ave, Milw, Wisc	WE3-3909
Mo	A V Doran Co	950 Francis Pl, Clayton, St. Louis 5, Mo	PA5-3377
Neb	A V Doran Co	950 Francis Pl, Clayton, St. Louis 5, Mo	PA5-3377
NH	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
NJ	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NM	Longstreet Smith Associates Inc	1013-15th St, Denver, Colo	KE4-5091
NY	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
ND	Harold C Anderson	4933 W. Greenfield Ave, Milw, Wisc	WE3-3909
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Ore	Paramount Technical Agencies	9210-28th N.W., Seattle 7, Wash	SU4-6447
Pa	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
RI	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
SD	Harold C Anderson	4933 W. Greenfield Ave, Milw, Wisc	WE3-3909
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Vt	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Va	Habco Electronics	603 Allegheny Ave, Towson 4, Md	VA5-9637
Wash	Paramount Technical Agencies	9210-28th N.W., Seattle 7, Wash	SU4-6447
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	Harold C Anderson	4933 W. Greenfield Ave, Milwaukee 14	WE3-3909
Wyo	Longstreet Smith Associates Inc	1013-15th St, Denver, Colo	KE4-5091
Foreign	Industrias Commerciales, S A	Tonala, No 143, Mexico 7, D F	14-65-66
Foreign	Malek Representiciones	Corrien Tes 222, Buenos Aires, Arg	32-4264

	MALLINCKRODT CHEMICAL WORKS	**Second & Mallinckrodt Sts, St Louis 7, Mo**	**CE1-8900**
Cal	Mallinckrodt Chemical Works	3016 E. 44th St, Los Angeles 58, Cal	LU3-2237
Ill	Mallinckrodt Chemical Works	307 N. Michigan Ave, Chicago 1, Ill	ST2-1400
NY	Mallinckrodt Chemical Works	72 Gold St, New York 8, NY	WO4-4900

	MALLORY & CO., INC., P R	**34 S. Grey St, Indianapolis 6, Ind**	**ME6-5353**
Cal	Mallory & Co., Inc P R	9121 E. Garvey Ave, Rosemead, Cal	CU3-7991
Cal	Mallory & Co., Inc P R	921 Bryant St, San Francisco 3, Cal	UN1-2367
Colo	Mallory & Co., Inc P R	110 W. 13th Ave, Denver 4, Colo	MA3-3544
DC	Mallory & Co., Inc P R	1401 K St, N.W., Washington 5, DC	EX3-0090
Ga	Mallory & Co., Inc P R	26 E. Andrews Dr, N.E., Atlanta, Ga	CE3-5308
Ill	Mallory & Co., Inc P R	3672 Milwaukee Ave, Chicago 41, Ill	KI5-1025
Mass	Mallory & Co., Inc P R	118 Main St, Watertown, Mass	WA4-2214
Mich	Mallory & Co., Inc P R	8631 Livernois Ave, Detroit 4, Mich	WE3-1696
Minn	Mallory & Co., Inc P R	721 W. Lake St, Minneapolis 8, Minn	TA7-4636
Mo	Mallory & Co., Inc P R	215 N. Meramec Ave, St. Louis 5, Mo	PA7-8695
NY	Mallory & Co., Inc P R	545 Cedar Ln, Teaneck, NJ	TE6-4702
NY	Mallory & Co., Inc P R	842 Sibley Tower Bldg, Rochester 4, NY	HA6-1580
Ohio	Mallory & Co., Inc P R	22700 Shore Ctr Dr, Cleveland 23, Ohio	RE2-9200
Ohio	Mallory & Co., Inc P R	2412 Far Hills Ave, Dayton 9, Ohio	AX9-5505
Ore	Mallory & Co., Inc P R	P.O. Box 4098, Portland 8, Ore	CA6-4148
Pa	Mallory & Co., Inc P R	4343 River Dr, E., Philadelphia 29, Pa	VI4-8891
Pa	Mallory & Co., Inc.	345 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO3-3142
Tex	Mallory & Co., Inc P R	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Tex	Mallory & Co., Inc P R	4007 Bellaire Blvd, Houston 25, Tex	MO4-1435
Wash	Mallory & Co., Inc P R	422 1st Ave, W., Seattle 99, Wash	AT4-7297
Wisc	Mallory & Co., Inc P R	710 N. Plankinton Ave, Milwaukee 3, Wisc	BR3-5997
Canada	A C Simmonds & Sons Ltd	100 Merton St, Toronto 7, Ontario, Canada	HU5-9111

	MAMCO CORP	**534 Fourth St, Racine, Wisc**	**ME4-1923**
Ariz	Jerry S Gartner	P.O. Box 286, N. Hollywood, Cal	DU7-7175
Cal	Jerry S Gartner	P.O. Box 286, N. Hollywood, Cal	DU7-7175
Conn	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Del	C H Stratton Co	514 E. Wadsworth, Philadelphia, Pa	CH7-7869
DC	C H Stratton Co	514 E. Wadsworth, Philadelphia, Pa	CH7-7869
Idaho	Tempco Sales Corp	1945 S. 11th E., Salt Lake City, Utah	HU4-8879
Ill	Gene F Sales Co	5306 W. Lawrence Ave, Chicago, Ill	KI5-5562
Ind	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
Ky	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
Me	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587
Md	C H Stratton Co	514 E. Wadsworth, Philadelphia, Pa	CH7-7869
Mass	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587
Mich	Robert W Mayhew	1603 S. Main St, Racine, Wisc	ME3-5955
Mo	James B Flaherty Co	P.O. Drawer D, St. Louis, Mo	WO2-8200
Mont	Tempco Sales Corp	1945 S. 11th St, Salt Lake City, Utah	HU4-8879
Nev	Tempco Sales Corp	1197 S. State St, Salt Lake City, Utah	EL5-6122
NH	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587
NY	William Richter Corp	790 Linden Ave, Rochester, NY	LU6-6464
NY	William W Weiss	1780 Broadway, New York, NY	CI6-5777
Ohio	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
Okla	Terrell J Small Co	2950 White Settlement Rd, Ft. Worth, Tex	ED2-9891
Ore	Joseph F Taraba Co	P.O. Box 5232, Portland, Ore	BE4-6491
Pa	C H Stratton Co	514 E. Wadsworth, Philadelphia, Pa	CH7-7869
RI	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587
Tex	Terrell J Small Co	2950 White Settlement Rd, Ft. Worth, Tex	ED2-9891
Utah	Tempco Sales Corp	1945 S. 11th E., Salt Lake City, Utah	HU4-8879
Vt	Norman Stachelek	94 Kenwood St, Kensington, Conn	VA8-4587
Wash	Joseph F Taraba Co	1016 First Ave, S., Seattle, Wash	
Wisc	Robert W Mayhew	1603 S. Main St, Racine, Wisc	ME3-5955
Wyo	Tempco Sales Corp	1945 S. 11th E., Salt Lake City, Utah	HU4-8879

	MANDEX MFG CO., INC	**2616 W. 48 St, Chicago, Ill**	**CL4-4200**
Colo	Longstreet Smith Associates Inc	1013-15th St, Denver, Colo	KE4-5091
Conn	R S Pettigrew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Ind	Lesco	P.O. Box 846, Bloomington, Ind	ED6-6034
Mass	R S Pettigrew & Co	45 Main St, Natick, Mass	OL3-6480
NJ	William W McKay	314 Market St, Camden 2, NJ	WO4-9604
NY	Walter M Onyx	P.O. Box 4, Mattydale 11, NY	GR9-6561
Tex	Packard Associates	Love Air Fld Term Bldg, Dallas 35, Tex	FL7-5713
Canada	Eric Marsland	100 Ahrens St, Kitchener, Ontario, Can	SH5-8310

	MANSOL CERAMICS CO	**140 Little St, Belleville, NJ**	**PL9-8600**
Ala	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	PA4-2084
Ariz	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
Del	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	
Ga	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
Ky	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
Md	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	
Miss	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
NC	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
SC	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
Tenn	H Hilker & Co	P.O. Box 4123, Winston-Salem, NC	
Va	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	

	MANSON LABORATORIES INC	**375 Fairfield Ave, Stamford, Conn**	**DA5-1291**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ariz	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	F White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Me	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NH	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	D B Associates	P.O. Box 284, Dewitt, NY	GI6-0220
NC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Pa	Industron Co	Western Savings Fund Bldg, Phila, Pa	KI6-4121
RI	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
SC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	G Gostenhofer & Associates	7 Wellington St, Waltham, Mass	TW4-9500
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Va	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Foreign	Electrodesign	736 Notre Dame St, W., Montreal, Canada	
Foreign	B Freudenberg Inc	240 W. 98 St, New York City, NY	
Foreign	Industrial Imports Ltd	Tokyo, Japan	

	MANUFACTURERS ENGINEERING & EQUIPMENT CORP	**York & Sussex Ln, Hatboro, Pa**	**OS5-3300**
NJ	Jack Kertzman	76 Oakwood Dr, Murray Hill, NJ	CR7-0221
Va	Charles Holiday	P.O. Box 3044, Alexandria, Va	TE6-5070

	MARA ELECTRONICS, INC	**44 Court St, Brooklyn 1, NY**	**UL5-0488**

	MARATHON BATTERY CO	**P. O. Box 298, Wausau, Wisc**	**VI2-2025**
Cal	R B Haskell Co	200 Davis St, San Francisco, Cal	YU2-0520
Cal	Stokes-McAllister & Associates	4357 Melrose Ave, Los Angeles, Cal	NO5-4331
Ill	Radion Corp	345 Terra Cotta Ave, Crystal Lake, Ill	CR3700
Minn	John A McEachron	4605 Moorland Ave, Minneapolis 24, Minn	WA6-2920
NY	Electrical Manufacturers Service	106 Hillside Ave, E. Williston, NY	PI2-1616
NC	The Hilker Co	3007 Kinnamon Ave, Winston Salem, NC	PA4-2084
Ohio	R G Sidnell	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
Ore	Vic Paul Co	510 N.W. Hoyt St, Portland 9, Ore	CA2-9446
Foreign	Manasco Inc	1860 Broadway, New York 23, NY	PL7-1980

	MARATHON ELECTRIC MFG CORP	**Randolph & Cherry Sts, Wausau, Wisc**	
Cal	Marathon Electric Mfg Corp	2639 S. LaCienega Blvd, L A 34, Cal	UP0-1082
Ill	Marathon Electric Mfg Corp	2701 N. Paulina St, Chicago 14, Ill	EA7-8450
Ind	Marathon Electric Mfg Corp	1701 N. Sherman Dr, Indianapolis 18, Ind	FL7-1127
Iowa	Marathon Electric Mfg Corp	705 Union Arcade Bldg, Davenport, Iowa	6-3133
Mass	Marathon Electric Mfg Corp	354 Washington St, Wellesley Hill 82, Mass	WE5-6868
Mich	Marathon Electric Mfg Corp	6560 Cass Ave, Detroit 2, Mich	TR3-3262
Minn	The Edey Co	1302 Fifth Ave, S., Minneapolis 4, Minn	FE3-2813
Mo	Marathon Electric Mfg Corp	406 W. 34th St, Kansas City 11, Mo	VA1-0100
Neb	Marathon Electric Mfg Corp	1517 Harney St, Omaha 2, Neb	AT1882
NJ	Marathon Electric Mfg Corp	1245 McCarter Hwy, Newark 4, NJ	HU2-9233
NY	Marathon Electric Mfg Corp	P.O. Box 77, Buffalo 21, NY	PL5820
NY	Marathon Electric Mfg Corp	9 E. Genesee St, Skaneateles, NY	OV5-6993
Ohio	Marathon Electric Mfg Corp	2089 Sherman Ave, Cincinnati 12, Ohio	JE1-2855
Ohio	Marathon Electric Mfg Corp	1110 Brookpark Rd, Cleveland 9, Ohio	SH5-4667
Okla	Marathon Electric Mfg Corp	430 N. Cincinnati, Tulsa 1, Okla	GI7-0520
Pa	Marathon Electric Mfg Corp	516 Federal St, Pittsburgh 12, Pa	FA1-4486
Pa	Marathon Electric Mfg Corp	123 E. Market St, York, Pa	YO3-6786
Tex	Marathon Electric Mfg Corp	318 N. Pearl St, Dallas 1, Tex	RI7-7696
Tex	Marathon Electric Mfg Corp	3302 Mercer, Houston 27, Tex	JA8-5301
Wisc	Marathon Electric Mfg Corp	316 E. Silver Spring Dr, Milwaukee 17	WO2-7500

	MARBET, INC	**1717 Pennsylvania Ave, Linden, NJ**	**WA5-1444**

	MARBLETTE CORP	**37-21 30th St, Long Island City 1, NY**	**ST4-8100**
Ala	Consolidated Amer Machy of Fla Inc	1825-A 28th Ave, S., Birmingham 9, Ala	TR9-2471
Ariz	Ram Chemicals	210 E. Alondra Blvd, Gardena, Cal	FA1-0710
Cal	Ram Chemicals	210 E. Alondra Blvd, Gardena, Cal	FA1-0710
Fla	Consolidated Amer Machy of Fla Inc	433 25th St, W. Palm Beach, Fla	
Idaho	Foss Mfg Co	225 Second Ave, S., Twin Falls, Idaho	RE3-1201
Ill	Brock & Associates	5532 W. Division St, Chicago 51, Ill	AU7-4414
Ind	Brock & Associates	5532 W. Division St, Chicago 51, Ill	AU7-4414
Iowa	Brock & Associates	5532 W. Division St, Chicago 51, Ill	AU7-4414
Kan	The Henry Co	6405 E. Kellog, Wichita, Kan	MU4-1241
Mich	Tool Chemical Co	13150 W. Seven Mile Rd, Detroit 35, Mich	DI1-8055
Minn	Brock & Associates	5532 W. Division St, Chicago 51, Ill	AU7-4414
Mo	The Henry Co	6405 E. Kellog, Wichita, Kan	MU4-1241
Mont	International Sales	1230 Westlake Ave, N., Seattle 9, Wash	
Nev	Foss Mfg Co	225 Second Ave, S., Twin Falls, Idaho	RE3-1201
Ohio	Tool Chemical Co	13150 W. Seven Mile Rd, Detroit 35, Mich	DI1-8055
Okla	The Henry Co	6405 E. Kellog, Wichita, Kan	MU4-1241
Ore	International Sales	1230 Westlake Ave, N., Seattle 9, Wash	
Tex	The Henry Co	1305 Ross Ave, Dallas, Tex	
Utah	Foss Mfg Co	225 Second Ave, S., Twin Falls, Idaho	RE3-1201
Wash	International Sales	1230 Westlake Ave, N., Seattle 9, Wash	
Wisc	Brock & Associates	5532 W. Division St, Chicago 51, Ill	AU7-4414
Wyo	Foss Mfg Co	225 Second Ave, S., Twin Falls, Idaho	RE3-1201

	MARCO INDUSTRIES CO	**207 S. Helena St, Anaheim, Cal**	**KE5-4037**
Alaska	Ray Johnston Co., Inc	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Cal	W V Brainard	715 Hamilton Ave, Palo Alto, Cal	DA6-5420
Iowa	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Kan	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Mo	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Mo	J Giordano	817 Gerald Ave, St. Louis, Mo	JA1-8725
NM	E B Schwerin	4210 Main St, Kansas City, Mo	WE1-7564
Okla	The Dyess Co	3908 Westcliff Rd, S., Ft. Worth, Tex	WA4-0788
Ore	Ray Johnston Co., Inc	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Tex	The Dyess Co	3908 Westcliff Rd, S., Ft. Worth, Tex	WA4-0788
Wash	Ray Johnston Co., Inc	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Canada	Anthony Foster & Sons Ltd	294-306 Church St, Toronto, Ont, Can	EM6-3081

	MARCONI INSTRUMENTS	**111 Cedar Ln, Englewood, NJ**	**LO7-0607**
Ala	S S Lee Associates Inc	Utilities Bldg, Huntsville, Ala	JE6-0631
Ariz	Moxon Electronics Corp	4434 Ingraham St, San Diego, Cal	HU8-2901
Cal	Moxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-5311
Cal	Moxon Electronics Corp	4434 Ingraham St, San Diego, Cal	HU8-2901
Cal	Moxon Electronics Corp	15-41st Ave, San Mateo, Cal	FI5-7961
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Conn	L & M Associates	Box 51, Centuck Sta, Yonkers 1, NY	WO1-5566
Conn	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Del	S & S Associates Inc	4509 Calvert Rd, College Park, Md	AP7-3777
DC	S & S Associates Inc	4509 Calvert Rd, College Park, Md	AP7-3777
Fla	S S Lee Associates Inc	P.O. Box 7896, Orlando, Fla	CH1-4445
Ga	S S Lee Associates Inc	Utilities Bldg, Huntsville, Ala	JE6-0631
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm	123 S. Third St, Minneapolis, Minn	FE5-7172
Me	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Md	S & S Associates Inc	4509 Calvert Rd, College Park, Md	AP7-3777
Mass	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Minn	R Edward Stemm	123 S. Third St, Minneapolis, Minn	FE5-7172
Miss	S S Lee Associates Inc	Utilities Bldg, Huntsville, Ala	JE6-0631
Nev	Moxon Electronics Corp	15-41st Ave, San Mateo, Cal	FI5-7961
NH	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
NJ	L & M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NY	L & M Associates	38-25 149th Pl, Flushington 54, NY	HI5-0103
NY	L & M Associates	Box 51, Centuck Sta, Yonkers 1, NY	WO1-5566
NY	J D Ryerson Associates Inc	P.O. Box 1400, Syracuse, NY	GI6-1771
NY	J D Ryerson Associates Inc	97 Fairmeadow Dr, Rochester 18, NY	HI5-0053
NC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	CH1-4445
Pa	L & M Associates	468 Clapier St, Philadelphia, Pa	GE8-5666
Pa	S & S Associates Inc	780 W. De Kalb Pike, King of Prussia, Pa	BR9-7192
Pa	S & S Associates Inc	P.O. Box 10584, Pittsburgh 35, Pa	VA4-5860
RI	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
SC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	CH1-4445
Tenn	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	CH1-4445
Utah	Parrish Electronics		
Vt	Cowpthwait & Brodhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Va	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	CH1-4445
Va	S & S Associates	4509 Calvert Rd, College Pk, Md	AP7-3777

	MARCONI'S WIRELESS TELEGRAPH CO LTD	**750 Third Ave, New York 17, NY**	**YU6-9855**

	MARION INSTRUMENT DIV MINNEAPOLIS-HONEYWELL REGULATOR CO	**Granier Field, Manchester, NH**	**NA5-4971**
Ala	Grady Duckett Sales Co	P.O. Box 11657, Atlanta, Ga	CE3-5308
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	AL4-4664
Cal	E V Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn	TA4-7215
Del	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
DC	Ken Randall Co	1303 Midvale Ave, Baltimore 28, Md	RI7-5260
Fla	Smith-Duckett Associates	P.O. Box 1646, Stuart, Fla	AT7-1252
Ga	Grady Duckett Sales Co	P.O. Box 11657, Atlanta, Ga	CE3-5308
Idaho	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ind	L W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ind	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati 37, Ohio	JE1-2640
Iowa	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	Beedle Equipment Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Me	G M Hathaway Elec Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Md	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
Mass	G M Hathaway Elec Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Koehler-Pasmore	11833 Hamilton, Detroit 3, Mich	TO8-3322
Minn	H M Richardson & Co., Inc	9 E., 22nd St, Minneapolis 4, Minn	FE6-4078
Miss	Threlkeld-Duckett Associates	P.O. Box 733, Birmingham, Ala	
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Nev	E V Roberts & Associates	112C Tulane Dr, S.E., Albuquerque, NM	AL5-7304
NH	G M Hathaway Elec Inc	238 Main St, Cambridge, Mass	KI7-0380
NJ	Podeyn-Schmidt	207 Hackensack St, Wood-Ridge, NJ	GE8-2780
NM	E V Roberts & Associates	112C Tulane Dr, S.E., Albuquerque, NM	AL5-7304
NY	Cooper-Simon & Co	400 E. 79th St, New York 21, NY	LE5-2900
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	J F Wulfetange	4505 E. Genesee St, DeWitt 14, NY	GI6-3330
NC	Fanning-Duckett Associates	P.O. Box 11402, Charlotte 9, NC	JA3-6937
ND	H M Richardson & Co., Inc	9 E., 22nd St, Minneapolis 4, Minn	FE6-4078
Ohio	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati 37, Ohio	JE1-2640
Ohio	Robert K Deunk & Associates	10005 Chippewa, Brecksville, Ohio	JA6-4317
Okla	J A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Ore	ARVA	1320 Prospect St, Seattle 9, Wash	MA2-0177
Pa	Ken Randall Co	121 N. Broad St, Philadelphia 7, Pa	LO4-2151
Pa	Robert K Deunk & Associates	10005 Chippewa, Brecksville, Ohio	JA6-4317
RI	G M Hathaway Elec Inc	238 Main St, Cambridge, Mass	KI7-0380
SC	Fanning-Duckett Associates	P.O. Box 11402, Charlotte 9, NC	JA3-6937
SD	H M Richardson & Co., Inc	9 E., 22nd St, Minneapolis 4, Minn	FE6-4078
Tenn	Threlkeld-Duckett Associates	P.O. Box 733, Birmingham, Ala	
Tex	J A Green Co	7118 Envoy Ct, Dallas, Tex	FL1-9947
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	G M Hathaway Elec Inc	238 Main St, Cambridge, Mass	KI7-0380
Va	Ken Randall Co	121 N. Broad St, Philadelphia, Pa	LO4-2151
Wash	ARVA	1320 Prospect St, Seattle 9, Wash	MA2-0177
W. Va	Robert K Deunk & Associates	10005 Chippewa, Brecksville, Ohio	JA6-4317
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456

	MARK PRODUCTS CO	**5439 W. Fargo Ave, Skokie, Ill**	**OR5-1500**

	MARKEL & SONS, L. FRANK	**School House Ln., Morristown, Pa**	**BR2-6900**
Ala	Electric Motor Supply Co	1646 Blake St, Denver 2, Colo	CH4-4425
Ariz	Insulation Supply Co	Box 10152, Phoenix, Ariz	AM5-9185
Cal	Insulation Supply Co	3530 Curtis San Diego 6, Cal	
Cal	Insulation Supply Co	2553 Middle Field Rd, Redwood City, Cal	
Cal	Insulation Supply Co	779 E. Pico Blvd, Los Angeles 21, Cal	RI7-5481
Colo	Electric Motor Supply Co	1646 Blake St, Denver 2, Colo	CH4-4425
Conn	Robert W. Gray, Inc	47 DeForest St, Watertown, Conn	CR4-2363
Del	C.H. Newson & Associates	17 Croftley Rd, Lutherville, Md	VA3-0432
DC (Wash)	C.H. Newson & Associates	17 Croftley Rd, Lutherville, Md	VA3-0432
Fla	Joseph A. Adams	Box 1322, Melbourne, Fla	PA3-1931
Ga	Electric Motor Materials	1315 S. Washington Ave, Mobile 1, Ala	HE3-7475
Ill	J.J. Glenn & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
Ind	J.J. Glen & Co	605 W. Washington Blvd, Chicago 6, Ill	ST2-9667
La	Electric Motor Materials	1315 S. Washington Ave, Mobile 1, Ala	HE3-7475
Me	Robert W. Gray, Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Md	C.H. Newson & Associates	17 Croftley Rd, Lutherville, Md	VA3-0432
Mass	Robert W. Gray, Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Mich	Andrew Sallade	40958 Malott Dr, Willowbrook Vill, Novi	GR4-1505
Minn	Fred Peterson Co	243 Hennepin Ave, Minneapolis, Minn	FR7-3025
Miss	Electric Motor Materials	1315 S. Washington Ave, Mobile 1, Ala	HE3-7475
Mo	Hippler Sales Co	1135 Cheshire Lane, Webster Groves 19	WO1-8499
NH	Robert W. Gray, Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
NJ	C.H. Newson & Associates	1201 Wyndmmor Rd, Barc F, Haddenfield	
NJ	Electrical Insulation Sales Co	Box 315, Rutherford, NJ	GE8-5349
NY	Harold B. Heft	Box 623, Lynbook, L.I., NY	LY9-3351
NY	Malcolm Bard	2063 Baker Ave, Schenectady 9, NY	EX3-2729
NY	Gislason Sales, Inc	617 Case Bldg, Rochester 4, NY	LO2-8323
NC	Harry T. Altman Co	Box 8031, Charlotte, NC	EX9-8926
Ohio	Electrolock, Inc	204-75 Farnsleigh Rd, Cleveland, Ohio	WY1-4353
Ohio	Andrew Sallade	3683 River Rd, Toledo 14, Ohio	CH1-1141
Okla	John H. Cole Co	1825 W. Main St, Oklahoma City 4, Okla	CE2-3171
Ore	C.E. Riggs, Inc	422 N.W. 8th Ave, Portland, Ore	CA6-3286
Pa	C.H. Newson & Associates	813 Bethlehem Pike, Phila. 18, Pa	CH8-3377
Pa	Pittsburgh Electrical Insulation Co	Lebanon School Rd, Pittsburgh 36, Pa	MU3-1313
RI	Robert W. Gray, Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
SC	Harry T. Altman Co	Box 8031, Charlotte, NC	EX9-8926
Tex	Houston Industrial Supply Co	Box 2106, 1101 Chenevert St., Houston 3	CA8-6663
Utah	J.R. Christensen Agency	247 E. 5th S., Salt Lake City 11, Utah	EM3-4419
Vt	Robert W. Gray, Inc	572 Washington St, Wellesley 81, Mass	CE5-5296
Va	Harry T. Altman Co	Box 8031, Charlotte, NC	EX9-8926

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wash	C.E. Riggs, Inc	408 Occidental, Seattle, Wash	MA3-5707
Wisc	Fred Peterson Co	243 Hennepin Ave, Minneapolis, Minn	FR7-3025
Foreign	M.A.W.I	Argentuur Commis, Spui 269, Den Haag, Holland	
	MARKEM MACHINE CO	**150 Congress St, Keene, NH**	**EL2-1130**
Ala	Harris Clark	817 Linden Hall St, Chattanooga, Tenn	TR7-4277
Ariz	Dolliver & Bro	5108 E. Washington Blvd, L A, Cal	AN8-3445
Ark	Manufacturers Supplies Co	716-732 N. 18th St, St. Louis, Mo	CE1-7886
Cal	Dolliver & Bro	619 Mission St, San Francisco, Cal	GA1-1426
Cal	Dolliver & Bro	5108 E. Washington Blvd, L A, Cal	AN8-3445
Colo	Robert S Bone Co	623 Texas Bank Bldg, Dallas, Tex	RI8-2098
Conn	Roland F Benson	73 Circle Dr, Windsor Locks, Conn	NA3-7998
Del	Andrew Schricker	1539 Old Farm Ln, York, Pa	3-4235
DC	Andrew Schricker	1539 Old Farm Ln, York, Pa	3-4235
Fla	C H Cheeseman	537 Manhassett Rd, Charlotte, NC	JA3-5113
Ga	Harris Clark	817 Linden Hall St, Chattanooga, Tenn	TR7-4277
Ill	Markem Machine Agency (Ill) Inc	59 Industrial Rd, Addison, Ill	KI3-6668
Ill	Manufacturers Supplies Co	716-732 N. 18th St, St. Louis, Mo	CE1-7886
Ind	Harry McGinnis	8014 Anoka Dr, Ft. Wayne, Ind	SH2072
Iowa	Markem Machine Agency (Ill) Inc	59 Industrial Rd, Addison, Ill	KI3-6668
Kan	Manufacturers Supplies Co	716-732 N. 18th St, St. Louis, Mo	CE1-7886
Ky	Harris Clark	817 Linden Hall St, Chattanooga, Tenn	TR7-4277
Ky	L G Freeman Co	1819 Freeman Ave, Cincinnati, Ohio	PA1-1080
La	Robert S Bone Co	623 Texas Bank Bldg, Dallas, Tex	RI8-2098
Me	Norman Leach	5 Pine View Rd, Falmouth, Portland, Me	SP2-7537
Md	Andrew Schricker	1539 Old Farm Ln, York, Pa	3-4235
Mass	Roland F Benson	73 Circle Dr, Windsor Locks, Conn	NA3-7998
Mass	Roland F Benson	73 Circle Dr, Windsor Locks, Conn	NA3-7998
Mich	Markem Machine Co	2591 W. Grand Blvd, Detroit, Mich	TR1-4603
Minn	Factory Supplies Inc	3876 Port Washington Rd, Milwaukee, Wisc	ED2-8770
Miss	Harris Clark	817 Linden Hall St, Chattanooga, Tenn	TR7-4277
Mo	Manufacturers Supplies Co	716-732 N. 18th St, St. Louis, Mo	CE1-7886
Neb	Markem Machine Agency (Ill) Inc	59 Industrial Rd, Addison, Ill	KI3-6668
NJ	Markem Machine Agency Inc	9 Rockefeller Plaza, New York, NY	JU6-3926
NM	Robert S Bone Co	623 Texas Bank Bldg, Dallas, Tex	RI8-2098
NY	Markem Machine Agency Inc	9 Rockefeller Plaza, New York, NY	JU6-3926
NY	E R Lane Inc	Roselawn Br. Box 8384, Rochester, NY	HI5-3327
NC	C H Cheeseman	537 Manhassett Rd, Charlotte, NC	JA3-5113
ND	Factory Supplies Inc	3876 Port Washington Rd, Milwaukee, Wisc	ED2-8770
Ohio	Joseph H Lyon	Box 341, Hudson, Ohio	OL3-5768
Ohio	L G Freeman Co	1819 Freeman Ave, Cincinnati, Ohio	PA1-1080
Okla	Robert S Bone Co	623 Texas Bank Bldg, Dallas, Tex	RI8-2098
Ore	Dolliver & Bro	619 Mission St, San Francisco, Cal	GA1-1426
Pa	Gilmore Fretz	P.O. Box 272, Quakertown, Pa	KE6-4578
Pa	Andrew Schricker	1539 Old Farm Ln, York, Pa	3-4235
RI	George E Fraser Jr	6 DeWitt Rd, Stoneham, Mass	ST6-2754
SC	C H Cheeseman	537 Manhassett Rd, Charlotte, NC	JA3-5113
SD	Factory Supplies Inc	3876 Port Washington Rd, Milwaukee, Wisc	ED2-8770
Tenn	Harris Clark	817 Linden Hall St, Chattanooga, Tenn	TR7-4277
Tex	Robert S Bone Co	623 Texas Bank Bldg, Dallas, Tex	RI8-2098
Va	Andrew Schricker	1539 Old Farm Ln, York, Pa	3-4235
Wash	Dolliver & Bro	619 Mission St, San Francisco, Cal	GA1-1426
Wisc	Factory Supplies Inc	3876 Port Washington Rd, Milwaukee	ED2-8770
Wyo	L G Freeman Co	1819 Freeman Ave, Cincinnati, Ohio	PA1-1080
Wyo	Joseph H Lyon	Box 341, Hudson, Ohio	OL3-5768
Foreign	Marken (UK) Ltd	21 Oxford St, Leicester, England	
	MARKITE CORP	**155 Waverly Pl, New York 14, NY**	**OR5-1384**
Ariz	O Miller Associates	5919 W. 3rd St, Los Angeles 36, Cal	WE6-7281
Cal	O Miller Associates	5919 W. 3rd St, Los Angeles 36, Cal	WE6-7381
Fla	Charles Proctor Co	P.O. Box 3185, Orlando, Fla	GA5-7603
Mo	John Durbin Co	1101 Forestwood, St. Louis 35, Mo	JA1-1233
NY	David S Launt	Box 184, Eastwood Sta, Syracuse 6, NY	HE7-8181
Tex	Jo-Joyce Engineering Sales Corp	137 Walnut Hill Village, Dallas 50, Tex	FL7-1411
	MARKWIK SALES CORP	**31 Sexton Rd, Plainview, NY**	**WE1-8055**
	MARLIN-ROCKWELL CORP	**402 Chandler St, Jamestown, NY**	**61-541**
Cal	Marlin-Rockwell Corp	2320 S. Main St, Los Angeles 7, Cal	RI9-6377
Cal	Marlin-Rockwell Corp	1234 Mariposa St, San Francisco, Cal	KL2-3457
Ga	Marlin-Rockwell Corp	1205 Techwood Dr, N.W., Atlanta 13, Ga	TR6-1524
Ill	Marlin-Rockwell Corp	4659 W. 47th St, Chicago 32, Ill	LU5-2100
Kan	Benson Engineering Co	2106 W. 75th St, Prairie Village, Kan	FN2-2643
Kan	Benson Engineering Co	519 S. Broadway, Wichita, Kan	AM2-6971
Mich	Marlin-Rockwell Corp	17175 Wyoming Ave, Detroit 21, Mich	UN4-6815
NY	Marlin-Rockwell Corp	40-42 W. 63rd St, New York 23, NY	JU6-4655
Ohio	Marlin-Rockwell Corp	3927 Brotherton Rd, Cincinnati 9, Ohio	BR1-5670
Ohio	Marlin-Rockwell Corp	1836 Euclid Ave, Cleveland 15, Ohio	MA1-1137
Ore	Brown Bearing Co	715 N.E. Davis St, Portland 12, Ore	BE2-6188
Pa	Marlin-Rockwell Corp	3118 W. Allegheny Ave, Phila 32, Pa	BA6-0700
Tex	Benson Engineering Co	2514 W. Mockingbird Ln, Dallas, Tex	FL2-7541
Wash	Brown Bearing Co	2440 First Ave, S., Seattle 4, Wash	MA2-2404
Wash	Brown Bearing Co	E. 1711 Trent Ave, Spokane, Wash	KE5-3093
Wisc	Marlin-Rockwell Corp	3904 W. Vliet St, Milwaukee 8, Wisc	DI2-5864
	MARMA ELECTRONIC CO	**1633 N. Halsted St, Chicago 14, Ill**	**MO4-3515**
	MARQUARDT CORP POMONA DIV	**2709 N. Garey Ave, Pomona, Cal**	**LY3-1311**
DC	Marquardt Corp	1729 H St, N.W., Washington 6, DC	EX3-1277
Fla	Marquardt Corp	711 Magnolia Ave, Orlando, Fla	GA3-8111
Ohio	Marquardt Corp	32 N. Main St, Dayton, Ohio	BA4-8351
	MARSH STENCIL MACHINE CO	**46 Marsh Bldg, Belleville, Ill**	
	MARSLAND ENGINEERING LTD	**154 Victoria St, S., Kitchener Ont, Can**	**SH5-9846**
	MARSTAN ELECTRONICS CORP	**204 Babylon Tnpk, Roosevelt, NY**	**MA3-3400**
Cal	The Charrett Co	7410 W. 85th St, Los Angeles, Cal	SP6-2655
Ill	Harry Halinton Associates	6400 N. Leoti Ave, Chicago, Ill	RO3-2131
NJ	Crane & Egert Co	97 Reade St, New York, NY	WO4-0996
NY	Crane & Egert Co	97 Reade St, New York, NY	WO4-0996
	MARTIN CO	**Mail No. F3103, Middle River, Baltimore 3, Md**	
	MARTINDALE ELECTRIC CO	**Edgewater Br, Box 617, Cleveland 7, Ohio**	**LA1-8567**
	MARYLAND LAVA CO	**Dept GB, Bel Air, Md**	**BE1441**
Cal	C H Mitchell & Co	13804 Ventura Blvd, Sherman Oaks, Cal	
	MASON INSTRUMENT CO	**Box 1601, New York 1, NY**	**HO4-3069**
	MASON, SHAVER & RHOADES, INC	**P.O. Box 551, Irwin, Pa**	**UN3-1000**
	MASONITE CORP	**111W. Washington, Chicago 2, Ill**	**FR2-5642**
	MASONWARE CO	**Dexter Rd, East Providence 14, RI**	**GE4-2810**
	MASSA DIV COHU ELECTRONICS INC	**5 Fortier Rd, Hingham, Mass**	**RI9-4800**
Ala	S S Lee Associates Inc	Terry Hutchens Bldg, Huntsville, Ala	JE5-0631
Ariz	McCarthy Associates	111 W. Osborn Rd, Phoenix, Ariz	CR9-1891
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Cal	McCarthy Associates	635 Oak Grove Ave, Menlo Park, Cal	DA6-7937
Cal	McCarthy Associates	3460 Ingraham St, San Diego 9, Cal	BR4-1100
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn	AT8-2900
Del	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
DC	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	GA3-6566
Ga	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla	GA3-6566
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CO9708
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Me	George Gregory Associates Inc	99 Elm St, W. Newton, Mass	BI4-4832
Md	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Mass	George Gregory Associates Inc	99 Elm St, W. Newton, Mass	BI4-4832
Minn	Loren F Green Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Miss	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Mont	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CO9708
Neb	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Nev	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
NH	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
NJ	RMC Associates	391 Grand Ave, Englewood, NJ	LO7-3933
NJ	Test Equipment Sales Co	4447 N. Bodine Ave, Philadelphia 40, Pa	DA9-1822
NY	J D Ryerson Associates	P.O. Box 1400, Syracuse, NY	GI6-1771
NY	RMC Associates	236 E. 75th St, New York 21, NY	TR9-2023
NC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Okla	Arnold Barnes Co	3913 E. Second Pl, Tulsa, Okla	WE6-7707
Ore	Burt C Porter Co	P.O. Box 7854, Portland 12, Ore	AT4-1718
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Pa	Test Equipment Sales Co	4447 N. Bodine St, Philadelphia 40, Pa	DA9-1822
RI	George Gregory Associates Inc	99 Elm St, W. Newton, Mass	BI4-4832
SC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Tenn	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Vt	George Gregory Associates Inc	99 Elm St, W. Newton, Mass	BI4-4832
Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	CO9708
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Wyo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
	MASSACHUSETTS GEAR DIV GEARTRONICS CORP	**922 Main St, W. Concord, Mass**	
	MAST DEVELOPMENT CO., INC	**2212 E. 12th Davenport 20, Iowa**	**B-6779**
	MASTER APPLIANCE MFG CO	**4th & Ontario Sts, Racine, Wisc**	
	MASTER MOBILE MOUNTS INC	**1306 Bond St, Los Angeles 15, Cal**	**RI7-0638**
	MASTER SPECIALTIES CO	**956 E. 108th St, Los Angeles 59, Cal**	**LO4-4481**
Md	Angus-Sloane Associates	Moorestown, NJ	BE5-1900
Mass	Elfron Engineering Sales	246 Walnut, Newtonville 60, Mass	DE2-6975
NJ	Angus-Sloane Associates	Moorestown, NJ	BE5-1900
NY	Howard M Siegel	142 Beach St, Long Beach, NY	GE1-4050
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
	MASTER TAPE PRINTERS INC	**1323 W. Wilson Ave, Chicago, Ill**	
	MASTERSCREEN PRINTING EQUIP CORP	**16-18 S. Marshall, Philadelphia 6, Pa**	
	MASTRA CO	**2104 Superior Ave, Cleveland, Ohio**	
Ala	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Alaska	Roger M Minthorne Co	0673 S. W. Taylor's Ferry, Portland, Ore	CH6-4556
Ariz	Vern Linsley	2902 W. Villa St, Phoenix, Ariz	AP6-2266
Ark	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Cal	M N Leventhal Co	1806 S. Hobart Blvd, Los Angeles 6, Cal	RE5-0556
Cal	Featherstone & Salisbury	1355 Market St, San Francisco, Cal	KL2-2311
Colo	W B Gollihar	1559 Chester St, Aurora 8, Colo	EM6-0208
Conn	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Roger M Minthorne Co	0673 S. W. Taylor's Ferry, Portland, Ore	
Ind	Burton F Hornsher	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Iowa	George Kangas	10506 W. 89th St, Overland Park, Kan	TU8-5213
Kan	George Kangas	10506 W. 89th St, Overland Park, Kan	TU8-5213
Ky	Burton F Hornsher	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
La	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Me	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Mass	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Mich	Lawrence F Zaffina Co	7351 Gratiot, Detroit 13, Mich	WA1-4442
Miss	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Mo	George Kangas	10506 W. 89th St, Overland Park, Kan	TU8-5213
Mont	Roger M Minthorne Co	0673 S. W. Taylor's Ferry, Portland, Ore	CH6-4556
Mont	W B Gollihar	1559 Chester St, Aurora 8, Colo	EM6-0208
Neb	W B Gollihar	1559 Chester St, Aurora 8, Colo	EM6-0208
Nev	M N Leventhal Co	1806 S. Hobart Blvd, Los Angeles 6, Cal	RE5-0556
NH	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
NJ	Kubrick & Yorman	475 S. Franklin St, Hempstead, NY	IV3-7230
NM	Vern Linsley	2902 W. Villa St, Phoenix, Ariz	AP6-2266
NY	Kubrick & Yorman	475 S. Franklin St, Hempstead, NY	IV3-7230
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ohio	Robert W Peters Co	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Okla	MacRae Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Ore	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd	CH6-4556
Pa	Robert W Peters Co	350 E. 215th St, Euclid 23, Ohio	AN1-2330
RI	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tex	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Utah	W B Gollihar	1559 Chester St, Aurora 8, Colo	EM6-0208
Vt	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Va	Robert W Peters Co	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Wash	Roger M Minthorne Co	0673 S.W. Taylor's Ferry, Portland, Ore	CH6-4556
W.Va	Robert W. Peters Co	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Wyo	W B Gollihar	1559 Chester St, Aurora 8, Colo	EM6-0208
Canada	Len Finkler Ltd	1794 Avre Rd, Toronto 12, Ontario, Can	RU1-5232
	MATERIALS ELECTRONIC PRODUCTS CORP	**990 Spruce St, Trenton, NJ**	
	MATERIALS FOR ELECTRONICS INC	**152-25 138 Ave, Jamaica 34, NY**	**FI1-1611**
	MATHESON CO., INC	**2909 Highland, Norwood, Ohio**	**ME1-3220**
Cal	Matheson Co., Inc	Newark, Cal	NE4-2666
Ill	Matheson Co., Inc	Joliet, Ill	SA2-8723
NJ	Matheson Co., Inc	932 Paterson Plank Rd, E. Rutherford, NJ	WE3-2400
	MATHESON COLEMAN & BELL	**2909 Highland, Norwood, Ohio**	**ME1-3220**
NJ	Matheson Coleman & Bell	932 Paterson Plank Rd, E. Rutherford, NJ	WE3-2400
	MATTHEW LABS	**3344 Ft. Independence St, New York 63, NY**	**KI6-1011**
Conn	H Shprent & Co	P.O. Box 147, Scarsdale, NY	SC5-0485
NJ	H Shprent & Co	P.O. Box 147, Scarsdale, NY	SC5-0485
NY	H Shprent & Co	P.O. Box 147, Scarsdale, NY	SC5-0485
	MATTHEWS & CO., JAMES H	**3821 Forbes Ave, Pittsburgh 13, Pa**	**MU1-8500**
	MAURER INC., J A	**37-01 31st St, Long Island City 1, NY**	**ST4-4600**
	MAUREY INSTRUMENT CORP	**7924 S. Exchange Ave, Chicago 17, Ill**	**RE1-1717**
Ala	Wm Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Cal	Carroll V King	7119 Bianca, Van Nuys, Cal	DI3-2250
Cal	Bud Mouthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Conn	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
Del	Jay Mount	Nat'l Press Bldg, Wash 4, DC	OL4-4062
DC	Jay Mount	Nat'l Press Bldg, Wash 4, DC	OL4-4062
Fla	Wm Jones Co	1107 Echo Ct, Towson 4, Md	VA3-2434
Ga	Wm Jones Co	1107 Echo Ct, Towson 4, Md	VA3-2434
Ind	Floyd Menze	729 W. Packard Ave, Ft. Wayne, Ind	KE3171
Ky	Floyd Menze	729 W. Packard, Ft. Wayne, Ind	KE3171
Me	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
Md	Jay Mount	Nat'l Press Bldg, Wash 4, DC	OL4-4062
Mass	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
Mich	Larry Bowman	6889 Beresford Ave, Cleveland 30, Ohio	VI2-0364
Minn	Robert Marshall	6106 Excelsior Blvd, Minneapolis, Minn	WE9-6444
Miss	Wm Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Mo	Russ Sebright	7120 W. Florissant, St. Louis 20, Mo	CO1-0055
NH	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
NJ	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
NY	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
NY	Alan De Cew Agency	P.O. Box 73, Sodus, NY	SO3261
NC	Wm Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Ohio	Larry Bowman	6889 Beresford Ave, Cleveland 30, Ohio	VI2-0364
Ohio	Floyd Menze	729 W. Packard, Ft. Wayne, Ind	KE3171
Ore	Norm Schultz	4227 Airport Way, Seattle 8,	MA4-8650
Pa	Larry Bowman	6689 Beresford Ave, Cleveland 30, Ohio	VI2-0364
Pa	Beebe & Aikmann	237 Lancaster Ave, Devon, Pa	MU8-5173
RI	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
SC	Wm Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Tenn	Wm Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Vt	James Kolbe	105 Walker St, Manchester, Conn	MI9-1785
Va	Jay Mount	Nat'l Press Bldg, Wash 4, DC	OL4-4062
Wash	Jay Mount	Nat'l Press Bldg, Wash 4, DC	OL4-4062
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Burlec Sales Ltd	45 Northline Rd, Toronto 16, Ontario, Canada	PL5-3377
Foreign	Bo Palmblad Aktiebolag	Homsgatan 58, Stockholm S, Sweden	EX449295
	MAURY & ASSOCIATES	**10373 Mills Ave, Montclair, Cal**	**WA6-0441**
Conn	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
Del	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
Mass	Forsberg Electric Sales	125 Perkins Ave; Brockton, Mass	JU3-0034

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NH	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
RI	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
Vt	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
	MAXSON CORP., W L INSTRUMENTS DIV	**475 Tenth Ave, New York 18, NY**	**LO5-1900**
Cal	W A C A Yearsley Co	6313 Santa Monica Blvd, Hollywood 38	HO9-5634
Cal	N A Stolaroff Co	4622 W. Slauson Ave, L A 43, Cal	AX3-6226
Cal	J C Wilson Co	3520 Alameda de las Pulgas, Menlo Park, Cal	DA2-7249
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-3716
Conn	Zaslow Sales Co	108 Foxcroft Rd, West Hartford, Conn	AD6-3265
Ill	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago, Ill	SP4-6440
NY	O E D Electronic Sales Co	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	Andrew S Szucs Inc	50 Broad St, New York 4, NY	WH4-7487
Pa	Fred F Bartlett Co	18 West Ave, Wayne, Pa	MU8-7325
	MAYER & CO., KG	**Am Wegenberg, Neheim-Huesten 2, West Germany**	**3393**
NJ	Ameresco Inc	7 Center Ave, Little Falls, NJ	PI6-5300
NY	Lenkotex Co., Inc	136 Liberty St, New York 6, NY	RE2-9676
	MAYER CO., GEORGE J	**546 E. Market St, Indianapolis, Ind**	**ME6-6422**
Ala	Peirson-Deakus Co	3806 Tennessee Ave, Chattanooga, Tenn	AM6-6321
Cal	Jeff McKnight	P.O. Box 543, Menlo Park, Cal	
Conn	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5578
Ill	Robert Ellis	5306 W. Lawrence, Chicago, Ill	MU5-0068
Ind	Paul Reidhaar	910 S. Weinbach Ave, Evansville, Ind	GR6-3261
Iowa	Stanley Wood	608 S. 4th Ave, E., Newton, Iowa	1773-R
Ky	R T Whitson & Sons	2514 Dixie Hwy, S. Ft. Mitchell, Ky	ED1-1655
Mass	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5578
Mich	Charles Webster	10600 Puritan, Detroit, Mich	DI1-1270
Minn	Ray Baskfield	3716 Colfax Ave, S. Minneapolis, Minn	TA2-7804
Mo	J W Meier	114 W. 65 Terr, Kansas City, Mo	DE3-0921
Neb	J W Meier	114 W. 65 Terr, Kansas City, Mo	DE3-0921
NJ	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5578
NY	F E Allen Co	1315 Hertel Ave, Buffalo 16, NY	DE1673
NY	John J Kopple Associates	9 W. Prospect Ave, Mt. Vernon, NY	MO4-5577
Ohio	R T Whitson & Sons	2514 Dixie Hwy, S. Ft. Mitchell, Ky	
Ohio	Goory Sales Co	19555 Henry Rd, Cleveland, Ohio	CL1-1500
Okla	J W Meier	114 W. 65 Terr, Kansas City, Mo	DE3-0921
Pa	Fred Stockberger	126 Monitor Ave, Pittsburgh, Pa	
Pa	Joseph A Muzina	767 Castlewood Rd, Glenside, Pa	TU4-4119
Tenn	Peirson-Deakins Co	3806 Tennessee Ave, Chattanooga, Tenn	AM6-6321
Tex	Jack I Gronberg	P.O. Box 291, Bellaire, Tex	MA3-7729
Wisc	K J Papke Co., Inc	406 N. Water St, Milwaukee, Wisc	BR1-1012
	MEAD SPECIALTIES CO	**4111 N. Knox, Chicago 41, Ill**	
	MEASUREMENTS DIV MC GRAW-EDISON CO	**Boonton, NJ**	**DE4-2131**
	MEASUREMENTS RESEARCH CO	**3801 Castor Ave, Philadelphia 24, Pa**	**JE5-1177**
	MECHANICAL FELT & TEXTILES CO	**50 W. 18th St, Weehawken, NJ**	**UN5-1879**
	MECHANICAL IND. PRODUCTION CO	**217 Ash St, Akron 8, Ohio**	**PO2-7673**
Mo	Wells White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
Mo	Wells White Co	3937 Main St, Kansas City 11, Mo	JE1-6400
	MECHANICAL PRODUCTS INC ELECTRONIC SYSTEMS DIV	**1824 River St, Jackson, Mich**	**ST2-0391**
	MECHATROL DIV, SERVOMECHANISMS, INC	**1200 Prospect Ave, Westbury, NY**	**ED3-6000**
Ariz	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OS5-7111
Ark	Charles J, Kemp Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Cal	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OR8-7841
Colo	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OR8-7841
Idaho	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100-1
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6730 E. 19 St, Indianapolis 19, Ind	FL6-4249
Kan	Charles J. Kemp Co	2618 Manana Dr, Dallas 20, Tex	FL6-4249
La	Charles J. Kemp Co	2618 Manana Dr, Dallas 20, Tex	
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100-1
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis 27	LI5-4481
Mo	Charles J. Kemp Co	6614 A Hampton Ave, St. Louis 9, Mo	FL1-2175
Mont	Seatronics, Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Neb	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Nev	Mechatrol of Cal	12500 AviationBlvd, Hawthorne, Cal	OR8-7841
NM	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OR8-7841
ND	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100-1
Okla	Charles J .Kemp Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Seatronics Inc	1806 Norman St, Seattle 44, Wash	EA3-8545
Wash	Seatronics, Inc	1806 Norman St, Seattle 44, Wash	EA3-8545
SD	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100-1
Tex	Charles J. Kemp Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Utah	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OR8-7841
Wash	Seatronics Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100-1
Wyo	Mechatrol of Cal	12500 Aviation Blvd, Hawthorne, Cal	OR8-7841
	MEDISTOR INST CO	**1443 Northlake Way, Seattle 3, Wash**	**ME3-5145**
	MELABS	**3300 Hillview Ave, Palo Alto, Cal**	**DA6-9500**
	MELCO PRODUCTS INC	**301 Fifth Ave, S., Minneapolis 15, Minn**	
	MELETRON CORP	**950 N. Highland, Los Angeles 38, Cal**	**HO3-4841**
	MELLER CO., ADOLF	**P.O. Box 702, Providence 1, RI**	**DE1-3717**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	MELODY MASTER MFG CO	**2149-51 Roscoe St, Chicago 18, Ill**	**LA5-5559**
Cal	Simonite-Lewis Associates	429 S. Western Ave, Los Angeles, Cal	DU1-1783
Colo	Wm J Peyser Jr & Co	1501 Weber St, Colorado Springs, Colo	ME4-3401
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville, Fla	
Mass	Henry P Segel Co., Inc	386 Washington St, Brookline 46, Mass	BE2-7525
Mich	Electronic Supply Co	9th & Hamlin, Battle Creek, Mich	
NY	Kubrick & Yuman	475 S. Franklin St, Hempstead, NY	IV3-7230
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Pa	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Tenn	Al S Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Scarborough, Ont, Canada	PL7-5171
	MELPAR INC	**3000 Arlington Blvd, Falls Church, Va**	**JE4-6000**
	MENDELSOHN SPEEDGUN DIV MICROLAB	**4th Ave, Haskell, NJ**	
	MENLO PARK ENGINEERING	**711 Hamilton Ave, Menlo Park, Cal**	**DA6-9080**
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ariz	John Francis O'Holloran & Assoc	11636 Ventura Blvd, N. Hollywood, Cal	TR7-0173
Ark	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Cal	John Francis O'Halloran & Assoc	11636 Ventura Blvd, North Hollywood	TR7-0173
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
DC	Burlingame Associates	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Idaho	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Ill	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Ind	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Iowa	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Ky	Ridgway Associates Corp	5915 Schaaf Rd, Cleveland 31, Ohio	
La	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Me	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Associates	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Mich	Ridgway Associates Corp	1204 N. Woodward Ave, Royal Oak, Mich	LI8-4440
Minn	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Miss	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Mont	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Nev	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NH	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NY	Burlingame Associates Corp	514 University Bldg, Syracuse, NY	GR4-7904
NC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Ohio	Ridgway Associates Corp	3130 Far Hills Ave, Dayton 29, Ohio	AX3-2167
Ohio	Ridgway Associates Corp	5915 Schaaf Rd, Cleveland 31, Ohio	
Okla	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Ore	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Pa	Ridgway Associates Corp	5915 Schaaf Rd, Cleveland 31, Ohio	
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa	SH7-9080
RI	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
SC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Tex	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Va	Burlingame Associates	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Va	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Wash	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
W.Va	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-3498
Wisc	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Canada	Radionics Ltd	8230 Maxrand St, Montreal 9, Quebec	RE9-5517
	MEPCO INC	**35-37 Abbott Ave, Morristown, NJ**	**JE9-2000**
Ala	Perrott Associates	2701 Wright Ave, Orlando, Fla	MI4-0065
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
Ark	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-6781
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525 Fifth Ave, San Diego 3, Cal	
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4675
Conn	John E Boeing Co	265 Church St, New Haven 10, Conn	ST7-0115
Del	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
DC	L G White Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Perrott Associates	2701 Wright Ave, Orlando, Fla	MI4-0065
Idaho	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4675
Ill	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Ind	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Iowa	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	Sheridan Associates	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
La	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Me	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Md	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
Mass	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Mich	Jim Morrow Sales	13149 Hamilton Ave, Highland Park 3	TO5-7600
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Neb	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
NH	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
NY	Mepco Inc	174 Hillside Ave, Williston Park, NY	PI7-7866
NY	Mepco Inc	124 Kinne Rd, E. Syracuse, NY	GI6-1811
NC	L G White Co	P.O. Box 2356 Winston Salem, NC	PA5-3612
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minnpls 26, Minn	WE9-7891
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati 37	ME1-2460
Okla	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Sheridan Associates	6333 York Rd, Cleveland 30, Ohio	TU4-8060
RI	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tenn	L G White Co	P.O. Box 2356, Winston Salem, NC	PA5-3612
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Utah	Barnhill Associates	207 N. 4th East, Centerville, Utah	EL5-5101
Vt	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Va	L G White Co	P.O. Box 2356, Winston Salem, NC	PA5-3612
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	Magnuson Associates	3347 W. Irving Park Rd, Chicago 18, Ill	KE9-7555
	MERCK & CO., INC ELECTRONIC CHEMICAL DIV	**Rahway, NJ**	**FU1-5000**
Cal	Merck & Co., Inc	6409 E. Gayhara St, Los Angeles 22, Cal	RA3-9521
	MERCO PRODUCTS INC	**1298 Bethel Dr, Eugene, Ore**	**DI3-1022**
Conn	Daggon & Potter	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Fla	Jay Brown & Associates	4351 Phillips Hwy, Jacksonville, Fla	FL9-1212
Idaho	Nabaum & Co., Inc	4777 S. 13th E. St, Salt Lake City, Utah	CR7-0459
Iowa	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Me	Daggon & Potter	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Minn	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Neb	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Nev	Nabaum & Co., Inc	4777 S. 13th E. St, Salt Lake City, Utah	CR7-0459
NH	Daggon & Potter	209 Ocean Dr, E. Stamford, Conn	FI8-2210
NJ	Snyder Sales	P.O. Box 100, Pittstown, NJ	
NY	Electric Heat Associates	422 Niagara Falls Blvd, Buffalo, NY	
ND	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Ohio	Carl J Sigel	P.O. Box 5177, Akron, Ohio	TE6-3254
Ore	The W C Wells Co	6055 N. E. Glisan, Portland, Ore	BE5-2437
Pa	Snyder Sales	P.O. Box 100, Pittstown, NJ	
Pa	Electric Heat Associates	422 Niagara Falls Blvd, Buffalo 23, NY	PA5600
RI	Daggon & Potter	209 Ocean Dr, E. Stamford, Conn	FI8-2210
SD	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Tex	Wilson-Toler & Co., Inc	4101 San Jacinto St, Houston, Tex	JA3-4169
Utah	Nabaum & Co., Inc	4777 S. 13th E. St, Salt Lake City, Utah	CR7-0459
Vt	Daggon & Potter	209 Ocean Dr, E. Stamford, Conn	FI8-2210
Wash	The W C Wells Co	6055 N.E. Glisan, Portland, Ore	BE5-2437
Wisc	Paul A Jasmin & Son	6420 Indian Hills Rd, Minneapolis, Minn	WE5-4171
Wyo	Nabaum & Co., Inc	4777 S. 13th E. St, Salt Lake City 17, Utah	CR7-0459
	MERCOID CORP	**4201 Belmont Ave, Chicago 41, Ill**	**PE6-2100**
	MERCURY AIR PARTS CO	**9310 W.Jefferson Blvd, Culver City, Cal**	**UP0-5923**
	MERCURY CONTACTS, INC	**1950 Neva Dr, Dayton 14, Ohio**	**CR8-4719**
	MERCURY ENGINEERING CORP	**339 E. Cottage Pl, York, Pa**	**29557**
Del	S E Balint	P.O. Box 105, West Chester, Pa	SW3-1349
Md	S E Balint	P.O. Box 105, West Chester, Pa	SW3-1349
Mich	R M Gardner Co	26940 Lyndon, Detroit 39, Mich	KE1-1658
NJ	S E Balint	P.O. Box 105, West Chester, Pa	SW3-1349
Ohio	S E Waller	3521 Harvard Blvd, Dayton 6, Ohio	CR5-4151
Pa	S E Balint	P.O. Box 105, West Chester, Pa	SW3-1349
Pa	M B Squires Co	1 Cedar Blvd, Pittsburgh 28, Pa	FI1-6673
	MERCURY TRANSFORMER CORP	**12964 Panama St, Los Angeles 66, Cal**	**UP0-[illegible]**
Ariz	E J Foley	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LA6-5233
Cal	E L Berman Co	450 Ninth St, San Francisco, Cal	UN3-0317
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LA6-5233
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas, Tex	LA6-5233
	MEREDITH & CO., LTD., C C	**80 Thomas St, Streetsville, Ont, Can**	**TA6-1141**
	MERIDIAN METALCRAFT INC	**8739 S.Millergrove Dr, Whittier, Cal**	**RA3-1508**
	MERIT COIL & TRANSFORMER CORP	**2027 Sherman St, Hollywood, Fla**	**WA3-1536**
Ala	Stanley K Wallace Associates Inc	1120 Montclair Rd, Birmingham, Ala	LY2-6291
Alaska	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	BE4-7671
Ariz	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Ark	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Cal	Herb Becker Co., Inc	1140 Crenshaw Blvd, Los Angeles, Cal	WE1-1257
Cal	Rudat & Ewing	636 Waverley St, Palo Alto, Cal	DA2-5232
Colo	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Conn	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Del	C William Frederick Jr	800 W. Washington St, Norristown, Pa	BR9-4900
DC	C William Frederick Jr	800 W. Washington St, Norristown, Pa	BR9-4900
Fla	Stanley K Wallace Associates Inc	P.O. Box 744, Lutz, Fla	WE9-3241
Ga	Stanley K Wallace Associates Inc	715 Flamingo Dr, S.W., Atlanta, Ga	PL3-8463
Hawaii	Hastin Sales Corp	P.O. Box 2098, Honolulu 5, Hawaii	511-755
Idaho	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Ill	Ray R Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Ind	Cobb Sales Co	220 W. Breckinridge St, Louisville 1, Ky	JU4-6094
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-3350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-3350
Ky	Cobb Sales Co	220 W. Breckinridge St, Louisville 1, Ky	JU4-6094
La	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Me	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Md	C William Frederick Jr	800 Washington St, Norristown, Pa	BR9-4900
Mass	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Mich	Jack M Thorpe	640 Hidden Ln, Detroit 36, Mich	TU4-4360
Minn	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	FR7-3239
Minn	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Miss	Crockett Sales Co	2204 Griffin St, Dallas, Tex	RI2-5764
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-3350
Mont	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-3350
Nev	Rudat & Ewing	636 Waverley St, Palo Alto, Cal	DA2-5232
NH	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
NJ	C William Frederick Jr	800 Washington St, Norristown, Pa	BR9-4900

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
NY	The Marsey Sales Co	529 Merchants Rd, Rochester 9, NY	HU2-4133
NC	Stanley K Wallace Associates Inc	P.O. Box 11377, Charlotte, NC	JA3-6109
ND	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	FR7-3239
Ohio	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
Okla	Lund & Co	2215 N. Olive St, Dallas 1, Tex	RI8-8839
Ore	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	BE4-7671
Pa	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
Pa	C William Frederick Jr	800 Washington St, Norristown, Pa	BR9-4900
RI	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
SC	Stanley K Wallace Associates Inc	P.O. Box 11377, Charlotte, NC	JA3-6109
SD	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	FR7-3239
Tenn	Stanley K Wallace Associates Inc	638 Rochelle Dr, Nashville, Tenn	VE2-0794
Tex	Lund & Co	2215 N. Olive St, Dallas 1, Tex	RI8-8839
Utah	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Vt	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-3239
Va	C William Frederick Jr	800 Washington St, Norristown, Pa	BR9-4900
Wash	Dale G Weber Co	8 S.E. Clay St, Portland, Ore	BE4-7671
W. Va	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio	HU8-4855
Wisc	Ray R Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Wyo	W H Connors Co	375 Birch St, Denver Colo	DE3-7628
Foreign	Louis D Cohen & Cie	5955 S.W. 64th Ave, Miami, Fla	MO7-0100

MERIT PLATING CO., INC — **218 E. 141st St, New York 51, NY** — **CY2-4380**

MERIT SHORT WAVE DIATHERMY CO — **2758 Whittier Blvd, Los Angeles 23, Cal** — **AN1-7521**

MERKLE-KORFF GEAR CO — **213 N.Morgan St, Chicago 7, Ill** — **MO6-1900**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	M A Stolaroff & Co., Inc	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Cal	M A Stolaroff & Co., Inc	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford 7, Conn	AD6-3265
Del	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
DC	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
Ill	Smith-Meschner & Co	3525 Watson Rd, St. Louis 9, Mo	MI7-5145
Ind	Spohn & Associates	1416 Bonnell Ave, Cincinnati 15, Ohio	VA1-7978
Ind	Wright Engineering	412-14 Stanley Ave, Evansville 11, Ind	HA5-7069
Kan	Smith-Meschner & Co	3525 Watson Rd, St. Louis 9, Mo	MI7-5145
Ky	Wright Engineering	412-14 Stanley Ave, Evansville 11, Ind	HA5-7069
Ky	Spohn & Associates	1416 Bonnel Ave, Cincinnati 15, Ohio	VA1-7978
Me	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Md	L G White & Co	212 Washington Ave, Towson 4, Md	VA3-8701
Mass	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Mich	Ralph D Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Mo	Smith Meschner & Co	3525 Watson Rd, St. Louis 9, Mo	MI7-5145
Nev	M A Stolaroff & Co., Inc	4622 W. Slauson Ave, Los Angeles 43,Cal	AX3-6226
NJ	S J Sales Engineering Co	130 LaFayette St, New York 13, NY	WO2-7766
NY	Technical Sales Inc	2900 Erie Blvd, E., Syracuse 3, NY	GR2-7524
NC	L G White & Co	2080 Beach St, Winston-Salem, NC	PA5-3612
Ohio	A C Equipment Co	14820 Detroit Ave, Cleveland 7, Ohio	AC6-1106
Ohio	Spohn & Associates	2110 Arlington Ave, Columbus 21, Ohio	HU6-1561
Pa	L G White & Co Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
Pa	A C Equipment Co	14820 Detroit Ave, Cleveland 7, Ohio	AC6-1106
RI	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
SC	L G White & Co., Inc	2080 Beach St, Winston-Salem, NC	PA5-3612
Tenn	L G White & Co., Inc	2080 Beach St, Winston-Salem, NC	PA5-3612
Tex	L Issacson Associates	1620 Dallas, Houston, Tex	CA7-0237
Vt	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Va	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
W. Va	A C Equipment Co	14820 Detroit Ave, Cleveland 7, Ohio	AC6-1106
W. Va	Spohn & Associates	1416 Bonnell Ave, Cincinnati 15, Ohio	VA1-7978

MERRIMAC RESEARCH & DEVELOPMENT INC — **517 Lyons Ave, Irvington, NJ** — **ES1-1616**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Memo Inc	69 Greewich St, Hempstead, NY	IV3-4060
NJ	Memo Inc	69 Greewich St, Hempstead, NY	IV3-4060
NY	Memo Inc	69 Greewich St, Hempstead, NY	IV3-4060
Pa	Memo Inc	69 Greewich St, Hempstead, NY	IV3-4060

MESA PLASTICS CO — **12270 Nebraska Ave, L A 25, Cal** — **BR2-0259**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Walter Protnick	130 Tudor Oval, Westfield, NJ	AD3-5635

METACHEM RESINS CORP — **530 Wellington, Cranston 10, RI** — **ST1-4070**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	Ken Nylin	119 Airlie St, Worcester, Mass	PL4-7621
Pa	Austin L Wright Co	1 W. Lancaster Ave, Ardmore, Pa	MI2-5113
RI	Aran Dee Associates	12 Pilgrim Dr, Cranston, RI	ST1-8171

METAL FABRICATORS CORP — **63 Pond St, Waltham 54, Mass** — **TW3-6800**

METAL FINDINGS CORP — **152 W. 22nd St, New York 11, NY** — **AL5-1234**

METAL FINISHERS INC — **78 S. Franklintown Rd, Baltimore 23, Md** — **GI5-0594**

METAL HYDRIDES INC — **Beverly, Mass** — **WA2-1875**

METAL TEXTILE CORP DIV OF GENERAL CABLE CORP — **647 E. First Ave, Roselle, NJ**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Thomas L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	OS9-1419
Cal	Thomas L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	OS9-1419
Cal	William J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Me	J M Pettingell Associates	385 Concord Ave, Belmont 78, Mass	IV4-9220
Mass	J M Pettingell Associates	385 Concord Ave, Belmont 78, Mass	IV4-9220
Nev	William J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
NH	J M Pettingell Associates	385 Concord Ave, Belmont 78, Mass	IV4-9220
NJ	Jules J Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Jules J Bressler	4808 Bergenline Ave, Union City, NJ	UN4-9577
Vt	J M Pettingell Associates	4808 Bergenline Ave, Union City, NJ	UN4-9577
Wisc	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700

METAL & THERMIT CORP — **Rahway, NJ** — **FU1-3000**

METALLIZING ENGINEERING CO., INC — **1101 Prospect Ave, Westbury, NY**

METALPHOTO CORP — **6811 Superior Ave, Cleveland 3, Ohio** — **UT1-7575**

METALPHOTO OF CINCINNATI — **7 E. 75 St, Cincinnati, Ohio** — **VA1-2280**

METALS JOINING CORP — **234 S. 11th St, Newark 7, NJ** — **MI2-4440**

METALWORKS, INC — **9th & Jefferson, Hermann, Mo** — **HE-699**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
Alaska	Roger M. Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
Ark	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas, Tex	RI8-6139
Colo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	W. B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
Del	Robert Finlay Co	Lincoln Bldg, Ridgewood, NJ	OL2-0088
DC (Wash)	Robert Finlay Co	Lincoln Bldg, Ridgewood, NJ	OL2-0088
Fla	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
Ga	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
Idaho	Roger M. Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
Ill	Jerome H. Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	2297
Ill	H.W. Knaggs Co	7503 Melba Lane, Belleville, Ill	EX7-2398
Ind	Hoemig Sales Co	Butler Court, Fort Wayne, Ind	AN-2083
Iowa	A.J. Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Iowa	Jerome H. Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	2297
Kan	H.W. Knaggs Co	7503 Melba Lane, Belleville, Ill	EX7-2398
Ky	Hoemig Sales Co	Butler Court, Fort Wayne, Ind	AN-2083
La	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas, Tex	RI8-6139
Me	W.B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
Md	Robert Finlay Co	Lincoln Bldg, Ridgewood, NJ	OL2-0088
Mass	W.B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
Mich	Robert Milsk Co	19371 James Couzens Hw, Detroit, Mich	BR3-3652
Minn	A.J. Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Miss	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
Mo	H.W. Knaggs Co	7503 Melba Lane, Belleville, Ill	EX7-2398
Mont	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Mont	Roger M. Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
Neb	A.J. Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Neb	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
NH	W.B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
NJ	Robert Finlay Co	Lincoln Bldg, Ridewood, NJ	OL2-0088
NJ	Leon L. Adelman Co	25 Chittenden Ave, New York City, NY	SW5-1145
NM	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
NY	Leon L. Adelman Co	25 Chittenden Ave, New York City, NY	SW5-1145
NC	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
ND	A.J. Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Okla	Wyborny Sales Co	408 Mechandise Mart Bldg, Dallas, Tex	RI8-6139
Ore	Roger M. Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
Pa	Robert Finlay Co	Lincoln Bldg, Ridgewood, NJ	OL2-0088
RI	W.B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
SC	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
SD	A.J. Warner Co	5022 29th Ave S., Minneapolis, Minn	PA9-7371
Tenn	Stanley K. Wallace Assoc	Box 67, Lutz, Fla	WE3-3241
Tex	Wyborny Sales Co	408 Mechandise Mart Bldg, Dallas, Tex	RI8-6139
Utah	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456
Vt	W.B. Pray Sales	44 Washington St, Wellesley Hills, Mass	CE5-3199
Va	Robert Finlay Co	Lincoln Bldg., Ridgewood, NJ	OL2-0088
Wash	Roger M. Minthorne Co	0673 S.W. Taylors Ferry, Portland, Ore	CH6-4556
Wisc	Jerome H. Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	2297
Wisc	A.J. Warner Co	5022 29th Ave S, Minneapolis, Minn	PA9-7371
Wyo	Hyde Electronics	888 S. Lipan St, Denver, Colo	WE6-3456

METAPLAST CO., INC — **34-51 56 St, Woodside 77, NY** — **HA6-9843**

METAVAC INC — **45-68 162 St, Flushing 58, NY** — **HI5-0400**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
Me	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
Mass	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
NH	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
RI	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
Vt	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717

METERLOG CORP — **169 N.Halstead St, Pasadena, Cal** — **MU1-5194**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Cal	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0395
Colo	Brown Technical & Associated Sales	130 S. Yarrow St, Lakewood 26, Colo	BE7-3467
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Del	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
DC	Burlingame Associates	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Fla	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Ga	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Idaho	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Iowa	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Kan	Kemco Inc	6427 E. Kellogg, Wichita 18, Kan	MU4-8224
Ky	Elliott-Sarles Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Me	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Associates	8218 Wisconsin Ave, Wash 18, DC	OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Mich	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Mo	Kemco Inc	6427 E. Kellogg, Wichita 18, Kan	MU4-8224
Mont	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Nev	R L Pfleger Co	1652 Laurel St, San Carlos, Cal	LY1-0395
NH	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MT4-7530
NJ	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MT4-7530
NM	Brown Technical & Associates Sales	130 S. Yarrow St, Lakewood 26, Colo	BE7-3467
NY	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MO4-7530
NC	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
NJ	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MO4-7530
Ohio	Elliott-Sarles Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Okla	Kemco Inc	6427 E. Kellog, Wichita 18, Kan	MU4-8224
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Elliott-Sarles Co	1915 Brownsville Rd, Pittsburgh, Pa	TU1-4545
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa	SH7-9080
RI	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MO4-7530
SC	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Tenn	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	WA1-9735
Tex	Kemco Inc	1618 W. 6th, Irving, Tex	FL1-5900
Utah	Brown Technical & Associates Sales	130 S. Yarrow St, Lakewood 26, Colo	BE7-3467
Vt	Burlingame Associates	510 S. Fulton, Mt. Vernon, NY	MO4-7530
Va	Burlingame Associates	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
W. Va	Elliott-Sarles Co	1915 Brownsville Rd, Pittsburgh, Pa	SH7-9080
Wisc	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Wyo	Brown Technical & Associates Sales	130 S. Yarrow St, Lakewood 26, Colo	BE7-3467
Foreign	Trans-World Trade	450 N. Beverly Dr, Beverly Hills, Cal	CR5-2444

METERS INC — **5353 N. Keystone, Indapls 20, Ind** — **CL5-3570**

METHODE MFG CORP — **7447 W. Wilson Ave, Chicago 31, Ill** — **UN7-9600**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ariz	W S Harmon Co	P.O. Box 1380, Beverly Hills, Cal	OL2-5616
Ark	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Cal	W S Harmon Co	P.O. Box 1380, Beverly Hills, Cal	OL2-5616
Cal	K E S C O	P.O. Box 23, Redwood City, Cal	EM9-2876
Colo	Peyser Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
Del	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
DC	Jay A Mount Co	National Press Bldg, Wash 4, DC	DI7-1349
Fla	Johnson Associates	P.O.Box 1676, Casselberry, Fla	MH-3311
Ga	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Ill	Claude Booth Associates	4000 W. North Ave, Chicago, Ill	CA7-2810
Ind	Macnabb Schroeder & Loomis	P.O. Box 5971, Indianapolis, Ind	CL5-6770
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ky	Macnabb Schroeder & Loomis	P.O. Box 5971, Indianapolis, Ind	CL5-6770
Me	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
Md	Jay A Mount Co	National Press Bldg, Wash 4, DC	DI7-1349
Mass	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
Mich	Service Equipment Electronics	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Minn	Honkamp Sales Co	2223 N. 70th St, Milwaukee, Wisc	WO4-2111
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
NH	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
NJ	Components for Electronics Inc	91 E. Shore Dr, Mountain Lakes, NJ	DE4-2921
NJ	Cooper Clement Associates	835 Glenside Ave, Wyncote, Pa	TU7-8150
NM	Peyser Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Components for Electronics Inc	91 E. Shore Dr, Mountain Lakes, NJ	DE4-2921
NY	M P Andrews Inc	Mott Rd, Fayetteville, NY	NE7-6405
NC	Jay A Mount Co	National Press Bldg, Wash 4, DC	DI7-1349
Ohio	Service Equipment Electronics	4500 Euclid Ave, Cleveland, Ohio	HE1-7030
Okla	Tex-O-Kona Sales	235 S.E. 14th St, Grand Prairie, Tex	
Ore	Harry Levinson Co	1117 Second Ave, S., Seattle 1, Wash	
Pa	Cooper Clement Associates	835 Glenside Ave, Wyncote, Pa	TU7-8150
RI	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
SC	Lynd A Walkling	P.O. Box 3045, Atlanta 17, Ga	DR3-8346
Tenn	Macnabb Schroeder & Loomis	P.O.Box 5971, Indianapolis, Ind	CL5-6770
Tex	Tex-O-Kona Sales	235 S.E. 14th St, Grand Prairie, Tex	
Vt	Northrep Associates	P.O. Box 12, Manchester, Conn	MI3-0863
Va	Jay A Mount Co	National Press Bldg, Wash 4, DC	DI7-1349
Wash	Harry Levinson Co	1117 Second Ave, S., Seattle 1, Wash	
W. Va	Macnabb Schroeder & Loomis	P.O. Box 5971, Indianapolis, Ind	CL5-6770
Wisc	Honkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585

METRON INSTRUMENT CO — **432 Lincoln St, Denver 3, Colo** — **PE3-3764**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Components Sales Cal Inc	4626 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Ark	Koch Engineering & Sales	309 Meadows Bldg, Dallas, Tex	EM1-1765
Cal	Components Sales Cal Inc	4626 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Conn	Electrical Manufacturers Service	265 Church St, New Haven 10, Conn	UN5-9104
Del	Electrical Manufacturers Service	201 S. Broadway, Camden, NJ	WO4-8014
DC	Electrical Manufacturers Service	318 Mathieson Bldg, Baltimore 2, Md	LE9-2131
Ill	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	BI2-1672
Ind	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	BI2-1672
Iowa	Kelburn Engineering Co	3136 Clarence Ave, Berwyn, Ill	BI2-1672
La	Koch Engineering & Sales	309 Meadows Bldg, Dallas, Tex	EM1-1765
Me	Electrical Manufacturers Service	P.O. Box 383, Waltham, Mass	TW3-0100
Md	Electrical Manufacturers Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Mass	Electrical Manufacturers Service	P.O. Box 383, Waltham, Mass	TW3-0100
Mich	Ralph D Ernest Associates	12818 Puritan Ave, Detroit, Mich	UN1-7311
NH	Electrical Manufacturers Service	P.O. Box 383, Waltham, Mass	TW3-0100
NJ	Electrical Manufacturers Service	18 Yale St, Nutley, NJ	NO7-2541
NY	Electrical Manufacturers Service	P.O.Box 128, Williston Park, NY	PI2-1616
Ohio	T I Equipment Inc	15017 Detroit Ave, Cleveland, Ohio	AC6-1970
Pa	Electrical Manufacturers Service	201 S. Broadway, Camden, NJ	WO4-8014
RI	Electrical Manufacturers Service	265 Church St, New Haven, Conn	UN5-9104
Tex	Koch Engineering & Sales	309 Meadows Bldg, Dallas, Tex	EM1-1765
Va	Electrical Manufacturers Service	318 Mathieson Bldg, Baltimore, Md	LE9-2131
Wisc	Kelburn Engineering	3136 Clarence Ave, Berwyn, Ill	BI2-1672

METRONIX INC — **75 Wilson Mills Rd, Chesterland, Ohio** — **HA3-4440**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Electronic Engineering Associates Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
Cal	Halstrom-Thompson Co	16212 Ventura Blvd, Encino, Cal	ST8-0800
Ill	R Edward Stemm	5681 W. Lake St, Chicago, Ill	ES9-2700
Mass	Raytronics Inc	2 Garden Rd, Marblehead, Mass	NE2-1857
Minn	R Edward Stemm	123 S. Third St, Minneapolis, Minn	FE5-7172
NY	The Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	The Industron Co	200 E. Genesee St, Syracuse, NY	HA2-2054
Tex	Carey-Wolf Co	P.O. Box 6072, Fort Worth, Tex	PE8-1702
Wash	Paramount Agencies	3131 Western Ave, Seattle, Wash	AT4-1840
Wash	Paramount Agencies	P.O. Box 835, Spokane, Wash	TE8-2287
Canada	Electromechanical Products Inc	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
Canada	Electromechanical Products Inc	11819 Michel Sanaziu, Montreal, Quebec	RI4-1932

METZ REFINING CO — **369 Mulberry St, Newark 2, NJ** — **MA2-0866**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	METZNER ENGINEERING CORP ... 1041 N. Sycamore, Hollywood 38, Cal ...	HO2-2353
	MEYERCORD CO ... 5323 W. Lake St, Chicago 44, Ill	
	MICA CORP ... 4031 Elendo, Culver City, Cal ...	UP0-6861
Fla	Joseph Adams ... P.O. Box 1322, Melbourne, Fla ...	ME3180
Ill	Harry Halinton ... 6400 N Leoti Ave, Chicago 30, Ill ...	RO3-2132
Ind	Meyer Materials Inc ... 6101 College Ave, Indianapolis 20, Ind	CL5-5263
Mich	W B Conrad Co ... 13438 Fenkell Ave, Detroit 27, Mich ...	BR3-4050
Minn	Service Tool & Engineering ... 529 S. Seventh St, Minneapolis, Minn ...	FE9-8613
NH	James M O'Connell ... Maple Ave, Atkinson, NH ...	DA9-6622
NJ	W M Punnett Co ... 72 Dear Path, Princeton, NJ ...	WA1-6766
NY	John Lazor ... P.O. Box 307, Rochester, NY ...	LU6-6619
NC	Mfg Sales Co ... 110 W. Fisher Ave, Greensboro, NC	
Ohio	Scott & Steffen Inc ... 1836 Euclid Ave, Cleveland 15, Ohio ...	TO1-2626
Ohio	Scott & Steffen Inc ... 81 E. State St, Columbus 15, Ohio ...	CA8-2313
Ohio	Scott & Steffen Inc ... 120 W. Second St, Dayton 2, Ohio ...	BA3-2652
Pa	Scott & Steffen Inc ... 507 Liberty St, Pittsburgh 22, Pa ...	GR1-5233
Wash	Ray Johnston Co ... 1011 E. 69th St, Seattle 15, Wash ...	LA4-5170
Wisc	Arthur Luebs ... 11210 W. Mallory Ave, Hales Corner, Wisc	
Canada	E S Gould ... 353 St. Nicholas St, Montreal 1, Quebec	AV8-5176
	MICA FABRICATING CO ... 53 Central Ave, Rochelle Park, NJ ...	HU7-5717
	MICA INSULATOR DIV OF MINNESOTA MINING & MFG CO .. 797 Broadway, Schenectady 1, NY ...	FR4-4191
Cal	Minnesota Mining & Mfg Co ... 6023 S. Garfield Ave, Los Angeles 22 ...	RA3-6641
Cal	Minnesota Mining & Mfg Co ... 220 Shaw Rd, S., San Francisco, Cal ...	PL6-0800
DC	Minnesota Mining & Mfg Co ... 425-13th St, N.W., Wash 4, DC ...	NA8-9480
Ga	Minnesota Mining & Mfg Co ... 732 Ashby St, N.W., Atlanta 18, Ga ...	TR6-4401
Hawaii	Minnesota Mining & Mfg Co ... 1410 Kapiolani Blvd, Honolulu 14 ...	996483
Ill	Minnesota Mining & Mfg Co ... 6850 Harlem Ave, Bedford Park, Ill ...	GL8-2200
Mass	Minnesota Mining & Mfg Co ... 1330 Centre St, Newton Center 59, Mass	DE2-9810
Mich	Minnesota Mining & Mfg Co ... 411 Piquette, Detroit 2, Mich ...	TR5-7111
Minn	Minnesota Mining & Mfg Co ... 367 Grove St, St. Paul 1, Minn ...	PR6-8511
Mo	Minnesota Mining & Mfg Co ... 10725 Baur Blvd, St. Louis 14, Mo ...	WY1-1320
NJ	Minnesota Mining & Mfg Co ... 700 Grand Ave, Ridgefield, NJ ...	WH3-6700
NC	Minnesota Mining & Mfg Co ... 2401 Brevard St, High Point, NC	
Ohio	Minnesota Mining & Mfg Co ... 4835 Para Dr, Cincinnati 37, Ohio ...	EL1-2313
Ohio	Minnesota Mining & Mfg Co ... 12200 Brookpark Rd, Cleveland 30, Ohio	CL2-4300
Pa	Minnesota Mining & Mfg Co ... 5698 Rising Sun Ave, Philadelphia 20 ...	PI2-0200
Tex	Minnesota Mining & Mfg Co ... 2121 Santa Anna Ave, Dallas 28, Tex ...	DA7-7311
Wash	Minnesota Mining & Mfg Co ... 3663 First Ave, S., Seattle 4, Wash ...	MU2-5550
	MICACRAFT PRODUCTS INC ... 703 McCarter Hwy, Newark 5, NJ	
	MICAMOLD ELECTRONICS MFG CORP ... 65 Gouverneur St, Newark 4, NJ ...	HU5-2100
Ala	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Ariz	Gramer & Co ... 444 W. Camelback Rd, Phoenix, Ariz ...	CR9-1231
Cal	General Instrument Corp ... 11982 Wilshire Blvd, Los Angeles, Cal	BR2-0781
Colo	Rowley-Bounette Inc ... 1370 S. Eaton Ct, Denver, Colo ...	WA2-2624
Conn	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
Del	C H Newson & Associates ... 813 Bethlehem Pike, Philadelphia, Pa ..	CH8-3377
Fla	Chris Small ... P.O. Box 1346, Orlando, Fla ...	GA4-2071
Ga	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
Ill	General Instrument Corp ... 5249 W. Diversey Pkwy, Chicago, Ill ...	NA2-6140
Ind	E B Tyler ... 2618 East Dr, Fort Wayne, Ind ...	AN7344
Iowa	General Instrument Corp ... 5249 W. Diversey Pkwy, Chicago, Ill ...	NA2-6140
Ky	E B Tyler ... 2618 East Dr, Fort Wayne, Ind ...	AN7344
La	Southwest Electronic Industries ... The Meadows Bldg, Dallas, Tex ...	EM3-1671
Me	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
Md	Jack Dougherty ... 201 Chesapeake Ave, Towson, Md ...	WA3-0431
Mass	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
Mich	E B Tyler ... 2618 East Dr, Fort Wayne, Ind ...	AN7344
Minn	R G Ragon Inc ... 1406 W. Idaho Ave, St. Paul, Minn ...	MI6-6937
Nev	Rowley-Bounette Inc ... 1370 S. Eaton Ct, Denver, Colo ...	WA2-2624
NH	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
NJ	Bert Kohl ... 201 Crescent Ave, Leonia, NJ ...	WI4-6488
NM	Southwest Electronic Industries ... The Meadows Bldg, Dallas, Tex ...	EM3-1671
NY	M A Camber ... 1700 York Ave, New York, NY ...	EN9-4222
NC	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
Ohio	G & H Sales Co ... Roselawn Center Bldg, Cincinnati, Ohio	JE1-0553
Okla	Southwest Electronic Industries ... The Meadows Bldg, Dallas, Tex ...	EM3-1671
Pa	I A Clarke ... P.O. Box 9, Rydal, Pa ...	TU7-2433
RI	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
SC	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
Tenn	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
Tex	Southwest Electronic Industries ... The Meadows Bldg, Dallas, Tex ...	EM3-1671
Vt	Todino Engineering Sales Inc ... 50 Kearney Rd, Needham Heights, Mass	HI4-7925
Va	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
W. Va	J E Joyner & Associates ... P.O. Box 10821, Sta A, Atlanta, Ga ...	PL5-4336
Wisc	General Instrument Corp ... 5249 W. Diversey Pkwy, Chicago, Ill ...	NA2-6140
Wyo	Rowley-Bounette Inc ... 1370 S. Eaton Ct, Denver, Colo ...	WA2-2624
Foreign	Sylvan Ginsbury ... 8 W. 40th St, New York, NY ...	LO4-7585
	MICHAEL, INC., CLAUDE ... 703 W. Ivy St, Glendale 4, Cal ...	CH5-8401
	MICHIGAN MAGNETICS INC ... W. 3rd St, Vermontville, Mich ...	CL9-8911
Cal	David Ellis Co ... 919 D E. California St, Pasadena 1, Cal	MU1-9108
Cal	James S Heator Co ... 413 Lathrope St, Redwood City, Cal ...	EM9-5278
Fla	Benz Sales Co ... P.O. Box 178, N. Miami Beach 62, Fla ..	FR4-1391
Ill	John G Twist Co ... 5232 W. Diversey Ave, Chicago 39, Ill ..	SP7-2250
NJ	Ed Nemeth Associates ... 261 Elm St, E. Paterson, NJ ...	SW7-7500
NY	Ed Nemeth Associates ... 261 Elm St, E. Paterson, NJ ...	SW7-7500
Foreign	Teltech International Corp ... 431 5th Ave, New York 16, NY ...	MU3-2400
	MICO INSTRUMENT CO ... 77 Trowbridge St, Cambridge 38, Mass ..	KI7-8660

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	MICRO BALANCING INC ... 191 Herricks Rd, Garden City Park, NY	PI6-0851
Ala	Joslyn Mfg & Supply Co Gulf Div ... 2222 Vanderbilt Rd, Birmingham, Ala	
Ariz	Joslyn-Pacific Co ... 5100 District Blvd, Los Angeles, Cal	
Ark	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Cal	Joslyn-Pacific Co ... 5100 District Blvd, Los Angeles, Cal	
Colo	Hamilton Associates ... 1236 Eliot St, Denver, Colo	
Conn	The Joslyn Co ... 79 Pine St, New York, NY	
Del	The Joslyn Co ... 79 Pine St, New York, NY	
DC	The Joslyn Co ... 79 Pine St, New York, NY	
Fla	Joslyn Mfg & Supply Co Gulf Div ... 2222 Vanderbilt Dr, Birmingham, Ala	
Ga	Joslyn Mfg & Supply Co Gulf Div ... 2222 Vanderbilt Dr, Birmingham, Ala	
Idaho	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Ill	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Ind	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Iowa	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Kan	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
Ky	Joslyn Mfg & Supply Co Gulf Div ... 2222 Vanderbilt Dr, Birmingham, Ala	
La	Joslyn Mfg & Supply Co Gulf Div ... 2222 Vanderbilt Dr, Birmingham, Ala	
Me	The Joslyn Co ... 79 Pine St, New York, NY	
Md	The Joslyn Co ... 79 Pine St, New York, NY	
Mass	The Joslyn Co ... 79 Pine St, New York, NY	
Mich	Joslyn Mfg & Supply Co ... 155 N. Wacker Dr, Chicago, Ill	
	MICRO-CIRCUITS CO ... New Buffalo, Mich ...	1163
	MICRO GEE PRODUCTS INC ... 6319 W.Slauson Ave, Culver City, Cal ..	EX1-6719
	MICRO-ELECTRIC DIV MICRO MACHINE WORKS ... 19 Debevoise Ave, Roosevelt, NY ...	FR8-3222
Ariz	Components Corp ... 35 N. Arroyo Pkwy, Pasadena, Cal	
Cal	Components Corp ... 35 N. Arroyo Pkwy, Pasadena, Cal	
Conn	Sales Associates of New England ... 30 Chester St, Somerville 44, Mass	
Del	G W Moler Co ... P.O. Box 240, Haddonfield, NJ	
DC	Blaine Short ... P.O. Box 4534, Wash 17, DC	
Fla	Winfield Electronic Sales Co ... 666 N.E. 125th St, N. Miami, Fla	
Ill	Dwight Smith Associates ... 9 S. River St, Aurora, Ill	
Ind	A E Williams Co ... Rural Rt 1, Markle, Ind	
Kan	N S Brown Associates ... 5852 Boca Raton Dr, Dallas 30, Tex	
Ky	A E Williams Co ... Rural Rt 1, Markle, Ind	
Me	Sales Associates of New England ... 30 Chester St, Somerville 44, Mass	
Md	Blaine Short ... P.O. Box 4534, Wash 17, DC	
Mass	Sales Associates of New England ... 30 Chester St, Somerville 44, Mass	
Mich	A E Williams Co ... Rural Rt 1, Markle, Ind	
Mo	N S Brown Associates ... 5852 Boca Raton Dr, Dallas 30, Tex	
NH	Sales Associates of New England ... 30 Chester St, Somerville 44, Mass	
NJ	George W Moler Co ... P.O. Box 240, Haddonfield, NJ	
NM	Components Corp ... 35 N. Arroyo Pkwy, Pasadena, Cal	
Ohio	A E Williams Co ... Rural Rt 1, Markle, Ind	
Okla	N S Brown Associates ... 5852 Boca Raton Dr, Dallas 30, Tex	
Pa	G W Moler Co ... P.O. Box 240, Haddonfield, NJ	
Tex	N S Brown Associates ... 5852 Boca Raton Dr, Dallas 30, Tex	
Vt	Sales Associates of New England ... 30 Chester St, Somerville 44, Mass	
Va	Blaine Short ... P.O. Box 4534, Wash 17, DC	
Wisc	Dwight Smith Associates ... 9 S. River St, Aurora, Ill	
	MICRO-NOW INSTRUMENT CO ... 6340 N. Tripp Ave, Chicago 46, Ill ...	AV2-0846
	MICRO SWITCH DIV MINN HONEYWELL ... 11 W. Spring St, Freeport, Ill ...	AD2-1122
	Sales Offices: See Minneapolis-Honeywell Regulator Co	
	MICRODOT INC ... 220 Pasadena Ave, S. Pasadena, Cal ...	MU2-3351
Ala	Frank C Nickerson Co ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752
Ark	J Y Schoonmaker Co., Inc ... 5328 Redfield Ave, Dallas 35, Tex ...	LA6-7238
Ariz	Alto Engineering Co ... 2712 W. Mockingbird Ln, Dallas 35, Tex	FL1-0010
Colo	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo ...	SK6-1589
Conn	Drew Associates Inc ... P.O. Box 432, Milford, Conn ...	UN5-4215
Del	R E Hatfield Co ... 165 E.King St, Lancaster, Pa ...	EX7-5177
DC	R E Hatfield Co ... National Press Bldg, Wash 4, DC ...	ME8-0221
Fla	Lynch-Gentry Associates Inc ... 406 Danley Dr, Page Park, Ft. Myers ...	WE6-2181
Fla	Frank C Nickerson Co ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752
Ga	Frank C Nickerson Co ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752
Idaho	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo ...	SK6-1589
Ill	R Edward Stemm Inc ... 5681 W. Lake St, Chicago 44, Ill ...	ES9-2700
Ind	R Edward Stemm Inc ... 5681 W. Lake St, Chicago 44, Ill ...	ES9-2700
Iowa	R Edward Stemm Inc ... 123 S. Third St, Minneapolis 1, Minn ...	FE5-7172
Kan	Harris-Hanson Co ... 7916 Paseo Ave, Kansas City 32, Mo ...	HI4-9494
Ky	R Edward Stemm Inc ... 5681 W. Lake St, Chicago 44, Ill ...	ES9-2700
La	J Y Schoonmaker Co., Inc ... 5328 Redfield Ave, Dallas 35, Tex ...	LA6-7238
La	Alto Engineering Sales Co ... 2712 W. Mockingbird Ln, Dallas 35, Tex	FL1-0010
Me	Drew Associates Inc ... 56 The Great Rd, Bedford, Mass ...	CR4-7232
Md	R E Hatfield Co ... 165 E. King St, Lancaster, Pa ...	EX7-5177
Mass	Drew Associates Inc ... 56 The Great Rd, Bedford, Mass ...	CR4-7232
Mich	Harvey Teplitz & Co., Inc ... 19942 Inkster Rd, Detroit 19, Mich ...	KE7-9058
Minn	R Edward Stemm Inc ... 123 S. Third St, Minneapolis 1, Minn ...	FE5-7172
Miss	Frank C Nickerson ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752
Mo	Harris Hanson Co ... 7916 Paseo Ave, Kansas City 32, Mo ...	HI4-9494
Mo	R Edward Stemm Inc ... 5681 W. Lake St, Chicago 44, Ill ...	ES9-2700
Mont	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo ...	SK6-1589
NJ	R P Luce & Co., Inc ... 7 Beechwood Rd, Summit, NJ ...	CR3-9250
NM	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 27, Colo ...	SK6-1589
NY	Reed-Tollefson Corp ... 2815 Monroe Ave, Rochester 18, NY ...	HI5-0450
NY	R P Luce & Co., Inc ... 7 Beechwood Rd, Summit, NJ ...	CO7-3550
NC	S Warren Mount ... National Press Bldg, Wash 4, DC ...	ME8-0221
Ohio	Harvey Teplitz & Co., Inc ... 3543 Cornell Dr, Dayton 6, Ohio ...	CR7-9178
Okla	T Y Schoonmaker Co., Inc ... 5328 Redfield Ave, Dallas 35, Tex ...	LA6-7238
Okla	Alto Engineering Sales Co ... 2712 W. Mockingbird Ln, Dallas 35, Tex	FL1-0010
Ore	J K Dooley Co ... 3215 Western Ave, Seattle 3, Wash ...	AT4-8313
Pa	R E Hatfield ... 165 E. King St, Lancaster, Pa ...	EX7-5177
Pa	R P Luce & Co ... 8604 Fagette St, Philadelphia 50, Pa ...	CH7-6988
RI	Drew Associates Inc ... 56 The Great Rd, Bedford, Mass ...	CR4-7232
SC	Frank C Nickerson Co ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752
Tenn	Frank C Nickerson Co ... 626 Medlock Rd, Decatur, Ga ...	ME6-2752

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Tex	J Y Schoonmaker Co., Inc ... 5328 Redfield Ave, Dallas 35, Tex ...	LA6-7238
Tex	Alto Engineering Sales Co ... 2712 W. Mockingbird Ln, Dallas 35, Tex	FL1-0010
Utah	McLoud & Raymond Co ... 5403 E. Evans Ave, Denver 22, Colo ...	SK6-1589
Vt	Drew Associates Inc ... 56 The Great Rd, Bedford, Mass ...	CR4-7232
Va	R E Hatfield Co ... 165 E. King St, Lancaster, Pa ...	EX7-5177
Wash	R E Hatfield Co ... 165 E. King St, Lancaster, Pa ...	EX7-5177
W.Va	R E Hatfield Co ... 165 E. King St, Lancaster, Pa ...	EX7-5177
Wisc	R Edward Stemm, Inc ... 5681 W. Lake St, Chicago 44, Ill ...	ES9-2700
Foreign	Frathom Co., Inc ... 33 W. 42nd St, New York 36, NY ...	BR9-9422
Canada	Lake Engineering Co Ltd ... 123 Manville Rd, Scarborough, Ontario ..	PL7-3253
Foreign	J K Dooley Co ... 3215 Western Ave, Seattle 1, Wash ...	AT4-8313
	MICRODYNE INC ... 1220 Washington St, Wilmette, Ill	
	MICROFLECT CO., INC ... 2300-25th S.E., Salem, Ore ...	EM3-1128
	MICROLAB ... 570 W. Mt. Pleasant Ave, Livingston, NJ	WY2-5700
Ariz	Jackson Edwards Co ... 3840 N. Jokake Dr, Scottsdale, Ariz ...	WH5-4290
Cal	Jackson Edwards Co ... 4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
	MICROMAG INSTRUMENT CORP ... 115 Hallock St, Roxbury, Mass ...	HI2-3680
	MICROMECH MFG CORP ... 1020 Commerce Ave, Union, NJ ...	MU8-6323
	MICROMETRICAL MFG CO ... P. O. Box 1067, Ann Arbor, Mich ...	NO2-5626
Ala	Bert Lewyn Co ... 1640 Moores Mill Rd, N.W., Atlanta 5, Ga ...	CE3-1920
Ariz	Quality Control Co ... 1566 N. Western Ave, L A 27, Cal ...	HO9-5385
Ark	Marshall Supply & Equipment Co ... 920 E. Archer St, Tulsa 1, Okla ...	LU4-5275
Cal	Brennan-Hamilton Corp ... 187 Utah Ave, S. San Francisco, Cal ...	JU9-2700
Cal	Quality Control Co ... 1566 N. Western Ave, L A 27, Cal ...	HO9-5385
Colo	Overgard Machine Tool Co ... 2045 W. 8th Ave, Denver 4, Colo ...	MA3-3141
Conn	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
Del	J H Elliott Co ... 2101 New York Ave, N.E., Wash 2, DC	LA6-5510
DC	J H Elliott Co ... 2101 New York Ave, N.W., Wash 2, DC	LA6-5510
Fla	Bert Lewyn Co ... 1640 Moores Mill Rd, N.W., Atlanta, Ga	CE3-1920
Ga	Bert Lewyn Co ... 1640 Moores Mill Rd, N.W., Atlanta, Ga	CE3-1920
Idaho	Mine & Smelter Supply Co ... 121 W. 2nd St, S., Salt Lake City 1, Utah	EM3-2791
Ill	Size Control Co ... 2500 W. Washington Blvd, Chicago 12 ..	MO6-6710
Ill	H O Monahan Co ... 1007 Yale Ave, St. Louis 17, Mo ...	ST1-6574
Ind	R L Gummot Co ... 2037 E. 46th St, Indianapolis 5, Ind ...	CL1-9261
Iowa	Size Control Co ... 2500 W. Wash Blvd, Chicago 12, Ill ...	MO6-6710
Iowa	Fuchs Machinery & Supply Co ... 2401 N. 11th St, Omaha 2, Neb ...	AT7050
Kan	Haman Machinery & Supply Inc ... 1823 Walnut St, Kansas City 8, Mo ...	VI2-3558
Ky	Woodall Sales & Service Co ... Box 626, Far Hills Sta, Dayton 19, Ohio	AX9-3151
La	Richard & Holmes Machinery Inc ... 1124 S. Liberty St, New Orleans 13, La	JA5-7281
Me	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
Md	J H Elliott Co ... 2101 New York Ave, N.E., Wash 2, DC	LA6-5510
Mass	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
Mich	George Haber Co ... 22901 Timberline Rd, Southfield, Mich ...	KE3-5100
Mich	A D Schneider & Co ... 408 E. Grand River Ave, Lansing 6 ...	IV4-4910
Minn	Service Tool & Engineering Co ... 521 S. 7th St, Minneapolis 15, Minn ...	FE9-8613
Miss	Shop Supply Co ... 208 Russell St, Nashville, Tenn ...	CH2-5313
Mo	H O Monahan Co ... 1007 Yale Ave, St. Louis 17, Mo ...	ST1-6574
Mo	Haman Machinery & Supply Inc ... 1823 Walnut St, Kansas City 8, Mo ...	VI2-3558
Mont	Overgard Machine Tool Co ... 2045 W. 8th Ave, Denver 4, Colo ...	MA3-3141
Neb	Fuchs Machinery & Supply Co ... 2401 N. 11th St, Omaha 2, Neb ...	AT7050
Nev	Mine & Smelter Supply Co ... 121 W. 2nd St, S., Salt Lake City 1, Utah	EM3-2791
NH	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
NJ	Harry R Berkshire Co ... 428 Tenafly Rd, Tenafly, NJ ...	LO7-3800
NJ	C E Etzler Co ... 804 Roberts Ave, Drexel Hill, Pa ...	SU9-8535
NM	Overgard Machine Tool Co ... 2045 W. 8th Ave, Denver 4, Colo ...	MA3-3141
NY	Brook-Anco Corp ... 75 College Ave, Rochester 7, NY ...	BR1-4100
NY	Harry R Berkshire Co ... 428 Tenafly Rd, Tenafly, NJ ...	LO7-3800
NC	J H Elliott Co ... 1011 Johnston Bldg, Charlotte, NC ...	ED2-7097
ND	Service Tool & Engineering Co ... 521 S. 7th St, Minneapolis 15, Minn ...	FE9-8613
Ohio	Production Service Co ... 10003 Memphis Ave, Cleveland 9, Ohio	OR1-2550
Ohio	Woodall Sales & Service Co ... Box 626, Far Hills Sta, Dayton 19, Ohio	AX9-3151
Okla	Marshall Supply & Equipment Co ... 920 E. Archer St, Tulsa 1, Okla ...	LU4-5275
Okla	Marshall Supply & Equipment Co ... 1241 W. Main St, Oklahoma City, Okla	RE9-0636
Ore	Portland Machinery Co ... 208 S. W. 1st St, Portland, Ore ...	CA8-9633
Pa	C E Etzler Co ... 804 Roberts Ave, Drexel Hill, Pa ...	SU9-8535
Pa	G C Wood Co ... P. O. Box 8025, Pittsburgh 16, Pa ...	LO1-4777
RI	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
SC	J H Elliott Co ... 1011 Johnston Bldg, Charlotte, NC ...	ED2-7097
SD	Service Tool & Engineering Co ... 521 S. 7th St, Minneapolis 15, Minn ...	FE9-8613
Tenn	Shop Supply Co ... 208 Russell St, Nashville, Tenn ...	CH2-5313
Tex	Southwestern Precision Sales Inc ... 3030 Dyer St, Dallas 5, Tex ...	EM3-1121
Tex	Tri-Tex Machine & Tool Co ... 903 S. 75th St, Houston 23, Tex ...	WA6-9643
Utah	Mine & Smelter Supply Co ... 121 W. 2nd St, S., Salt Lake City 1 ...	EM3-2791
Vt	Sterling Sales Inc ... P.O. Box h, N. Grafton, Mass ...	PL2-5317
Va	J H Elliott Co ... 2101 New York Ave, N.E., Wash 2, DC	LA6-5510
Wash	Campbell Industrial Supply Co ... 3433 Airport Way, Seattle 4, Wash ...	MA2-5567
W. Va	Woodall Sales & Service Co ... Box 626, Far Hills Sta, Dayton 19, Ohio	AX9-3151
Wisc	Ford Tool Co ... 9830 W. Bluemound Rd, Milwaukee 13 ...	SP4-0980
Wyo	Overgard Machine Tool Co ... 2045 W. 8th Ave, Denver 4, Colo ...	MA3-3141
Foreign	Sales Offices Representatives in All Principal Countries	
	MICRON GEAR CO., INC ... 73 Rushmore St, Westbury, NY ...	ED4-8880
Ohio	William Turner ... 628 Clifton Blvd, Toledo 7, Ohio ...	JE6-1191
Tex	King Koch ... 309 Meadows Bldg, Dallas 6, Tex ...	EM1-1765
	MICROPHASE CORP ... Box 1166, Greenwich, Conn ...	NO1-6200
Ariz	The Thorson Co ... 7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Cal	The Thorson Co ... 7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Cal	The Thorson Co ... 444 Olive St, San Diego 3, Cal ...	CY8-8385
Del	Eastern Associates Inc ... 820 Homestead Rd, Jenkintown, Pa ...	TU4-7200
DC (Wash)	Eastern Associates Inc ... 808 Ingleside Ave, Baltimore 28, Md ...	RI4-3676
Ill	Kenneth W. Meyers Co ... 6713 N. Oliphant Ave, Chicago 31, Ill ..	SP4-6440
Ind	Kenneth W. Meyers Co ... 6713 N. Oliphant Ave, Chicago 31, Ill ..	SP4-6440
Iowa	Kenneth W. Meyers Co ... 6713 N. Oliphant Ave, Chicago 31, Ill ..	SP4-6440
Md	Eastern Associates Inc ... 808 Ingleside Ave, Baltimore 28, Md ...	RI4-3676
Md	Eastern Associates Inc ... 820 Homestead Rd, Jenkintown, Pa ...	TU4-7200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Kenneth W. Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
NJ	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Ore	The Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Va	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Wash	The Thorson Co	1767 15th St S., Seattle 44, Wash	EA5-5000
Wash	The Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Wis	Kenneth W. Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
	MICROPULSE ENGINEERING	**1122 W. Magnolia, Burbank, Cal**	
	MICROSECOND ELECTRONICS, INC	**3213 E. Washington, Phoenix, Ariz**	**BR5-0562**
Ariz	Samuel O Jewett Co	516 W. Vernon Ave, Scottsdale, Ariz	WH5-9711
Cal	Samuel O. Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Fla	Watson Associates	2621 Aloma Ave, Winter Park, Fla	MI7-7347
Me	Keyco Associates	Box 357, Farmington, Conn	OR7-1771
Md	W. R. Griffin Co	Box 15, Rotelle Bldg, Spring House, Pa	MI6-8383
Mass	Keyco Associates	Box 357, Farmington, Conn	OR7-1771
NJ	P.R. Freeman & Co	91 Dogwood Ln, New Hyde Park, NY	FL4-1828
NJ	W.R. Griffin Co	Box 15, Spring House, Pa	MI6-8383
NY	P.R. Freeman & Company, inc	91 Dogwood Ln, New Hyde Park, NY	FL4-1828
Pa	W.R. Griffin Co	Box 15, Spring House, Pa	MI6-8383
RI	Keyco Associates	Box 357, Farmington, Conn	OR7-1771
Vt	Keyco Associates	Box 357, Farmington, Conn	OR7-1771
Va	W.R. Griffin Co	Box 15, Spring House, Pa	MI6-8383
	MICROSONICS INC	**Hingham Ind'l Center, Rt 3A, Hingham, Mass**	**RI9-3100**
Cal	M B Gilbert Co	1608 Centinela Ave, Inglewood 3, Cal	
Ind	A E Williams Co	Rural Rt 1, Markle, Ind	
	MICROTECH INC	**Milldale Rd, Cheshire, Conn**	**BR2-3234**
Ala	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Cal	Heim & Scheen	1168 Santa Monica Blvd, Los Angeles	GR7-3208
Del	Robert L Gibson	29 Alleghany Ave, Towson 4, Md	VA5-3836
DC	Robert L Gibson	29 Alleghany Ave, Towson 4, Md	VA5-3836
Fla	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Kan	Tomp W Decarsky	6405 E. Kellogg, Wichita, Kan	
Me	George Gostenhoffer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Md	Robert L Gibson	29 Alleghany Ave, Towson 4, Md	VA5-3836
Mass	George Gostenhoffer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Mo	John B Pilkington	2826 Main St, Kansas City, Mo	
Mo	John & Hill	7811 Carondelet Ave, St. Louis, Mo	
NH	George Gostenhoffer & Associates	7 Wellington St, Waltham 54, Mass	TR4-9500
NJ	J A Maguire Co	116 N. Seventh St, Camden, NJ	WO6-3118
NC	Robert L Gibson	29 Alleghany Ave, Towson, Md	VA5-3836
NC	J A Maguire & Co	1707 Avondale Dr, Durham, NC	
Ohio	Ed Schmidt	P.O. Box 72, Centerville, Ohio	TU5-2930
Pa	J A Maguire Co	116 N. Seventh St, Camden, NJ	WO6-3118
RI	George Gostenhoffer & Assoc	7 Wellington St, Waltham 54, Mass	TW4-9500
Vt	George Gostenhoffer & Associates	7 Wellington St, Waltham 54, Mass	TW4-9500
Va	Robert L Gibson	29 Alleghany Ave, Towson 4, Md	VA5-3836
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	MICROTRAN CO., INC	**145 E. Minnola Ave, Valley Stream, NY**	**LO1-6050**
Ariz	Richard A. Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Ark	Tex-O-Koma Sales Co	234 S.E. 14th St, Grand Prairie, Tex	CR4-4530
Cal	Richard A. Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Cal	Arthur L. Bolton Co	1161 Bay Laurel Dr, San Francisco, Cal	DA1-4332
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
Del	Arnold Associates	528 Ryers Ave, Cheltenham, Phila, Pa	PI2-0600
DC	Arnold Associates	528 Ryers Ave, Cheltenham, Phila, Pa	PI2-0600
Fla	Court T. Cummings	Box 507, Harbor Hills, Bradenton, Fla	BR2-5767
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Idaho	Fred H. Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Ill	Jerome H. Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL-2297
Ill	William T. McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
Ind	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis, Ind	WA3-8888
Iowa	William T. McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
Kan	William T. McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
Ky	John O. Olsen Co	7870 Jolain Dr, Cincinnati 42, Ohio	TW1-6140
Ky	John O. Olsen Co	4016 Diehl Ave, Cincinnati 36, Ohio	SY1-1297
Ky	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis, Ind	WA3-8888
La	Tex-O-Koma Sales Co	234 S.E. 14th St, Grand Prairie, Tex	CR4-4530
Me	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
Md	Arnold Associates	528 Ryers Ave, Cheltenham, Phila, Pa	PI2-0600
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
Mich	F.A. Villani	7008 Rosemary, Dearborn, Mich	LO3-1256
Minn	Elmer O. Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Mo	William T. McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
Mont	Fred H. Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Neb	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	William T. McGary	6635 Delmar Blvd, St. Louis, Mo	PA5-6430
Nev	Richard A. Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Nev	Arthur L. Bolton Co	1161 Bay Laurel Dr, San Francisco, Cal	DA1-4332
NH	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
NJ	Arnold Associates	528 Ryers Ave, Cheltenham, Phila, Pa	PI2-0600
NM	Richard A. Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
NY	Ed Glass Associates	250 W. 57th St, New York City, NY	JU6-8440
NY	Arthur L. Perkins Co	639 S. Warren St, Syracuse, NY	GR1-8828
NY	Al Friedman Associates	188-16 Jamaica Ave, Hollis, NY	SP6-4800
NC	Buthan Sales Inc	4924 Oleander Dr, Wilmington, NC	WI-5749
ND	Elmer O. Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Ohio	John O. Olsen Co	4016 Diehl Ave, Cincinnati 36, Ohio	SY1-1297
Ohio	John O. Olsen Co	7870 Jolain Dr, Cincinnati 42, Ohio	TW1-6140
Ohio	John O. Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Tex-O-Koma Sales Co	234 S.E. 14th St, Grand Prairie, Tex	CR4-4530
Ore	Fred H. Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Pa	John O. Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	Arnold Associates	528 Ryers Ave, Cheltenham, Phila, Pa	PI2-0600
Pa	John O Olsen Co	1843 Maydell St, Pittsburgh, Pa	FI1-8391
Pa	John O. Olsen Co	1843 Maydell St, Pittsburgh, Pa	FL1-8391
RI	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
SC	Buthan Sales Inc	4924 Oleander Dr, Wilmington, NC	WI-5749
SD	Elmer O. Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Tex	Tex-O-Koma Sales Co	234 S.E. 14 St, Grand Prairie, Tex	CR4-4530
Tex	Richard A. Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Tex	Arthur L. Bolton Co	1161 Bay Laurel Dr, San Francisco, Cal	DA1-4332
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Charles Segal Co	1262 Commonwealth Ave, Boston, Mass	BE2-4334
Va	Buthan Sales Inc	4924 Oleander Dr, Wilmington, NC	WI-5749
Wash	Fred H. Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
W. Va	John O. Olsen Co	1843 Maydell St, Pittsburgh, Pa	FI1-8391
W. Va	John O. Olsen Co	1843 Maydell St, Pittsburgh, Pa	FL1-8391
Wis	Jerome H. Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL-2297
Wis	Elmer O. Hagestad & Associates	4513 Laguna Dr, Minneapolis, Minn	WA2-2034
Wy	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Canada	E.S. Gould Sales Co	353 St. Nicholas St, Montreal, Canada	AV8-5716
Canada	Douglas Randall, Ltd	126 Manville Rd, Scarborough, Ontario	PL9-2291
	MICROWAVE ASSOCIATES INC	**South Ave, Burlington, Mass**	**BR2-3000**
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ark	P J Scanlon	2608 Inwood Rd, Dallas 35, Tex	FL9991
Ark	P J Scanlon	1704 Crawford St, Houston 3, Tex	
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 4, Colo	DU8-4643
Conn	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
Del	Microwave Associates Inc	9 Tanner St, Haddonfield, NJ	HA8-4845
DC	Microwave Associates Inc	9 Tanner St, Haddonfield, NJ	HA8-4845
Fla	W Ben Wimberly Co	532 S. Fort Harrison Ave, Clearwater, Fla	CL3-7072
Fla	W Ben Wimberly Co	203 N. Lucerne Circle, Orlando, Fla	GA5-3083
Ga	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Idaho	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ind	Gassner & Clark	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Iowa	Gassner & Clark	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
La	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL9991
La	P J Scanlon Co	1704 Crawford St, Houston 3, Tex	
Me	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
Md	Microwave Associates Inc	9 Tanner St, Haddonfield, NJ	HA8-4845
Mass	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Mo	Kinnick Co	222 Olympia Dr, St. Louis 35, Mo	JA1-4877
NH	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
NJ	Microwave Associates Inc	9 Tanner St, Haddonfield, NJ	HA8-4845
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	Reed-Tollefson Corp	32 Main St, Alexander, NY	FI3-5898
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Okla	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
Ore	Paratech	9210 28th N.W., Seattle 7, Wash	SU4-6447
Pa	Microwave Associates	9 Tanner St, Haddonfield, NJ	HA8-4845
RI	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
SC	Specialized Electronic	529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronic	529 N. 18th St, Birmingham, Ala	FA4-1615
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Tex	P J Scanlon Co	1704 Crawford St, Houston 3, Tex	
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Vt	P J Engineering	P.O. Box 212, Watertown, Mass	WA4-5950
Va	Microwave Associates	9 Tanner St, Haddonfield, NJ	HA8-4845
Wash	Paratech	9210 28th N.W., Seattle 7, Wash	SU4-6447
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago, Ill	RO4-6121
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Foreign	Microwave International Corp	36 W. 44th St, New York 34, NY	YU6-2738
	MICROWAVE CHEMICALS LAB INC	**282 7th Ave, New York 1, NY**	**WA4-6725**
Cal	The Richard Capell Co	2639 S. La Cienaga Blvd, Los Angeles 34	UP0-8616
Foreign	New Metals & Chemicals Ltd	8 Toni Sanchome, Nihon Bashi, Chuo-Ku, Tokyo, Japan	6585
Foreign	New Metals & Chemicals Ltd	Chancery Ln, London WC2, England	HO7415
Foreign	Comerso	30 Blvd Bonne Nouvelle, Paris, France	PR33-07
	MICROWAVE COMPONENTS, INC	**Doylestown, Pa**	**DI3-1800**
	MICROWAVE CORP OF AMERICA	**Box 278, Stamford, Conn**	
	MICROWAVE DEVELOPMENT LABS INC	**92 Broad St, Babson Park 57, Mass**	**CE5-6252**
Ala	William R. Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Ariz	J.E. Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
Cal	J.E. Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
Colo	Engineering Services Co	1305 Oakland Gdns, Cedar Rapids, Iowa	EM5-6183
Conn	Instrument Associates	743 Asylum Ave, Hartford 5, Conn	CH6-5686
Del	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
DC	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
Fla	William R. Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Ga	William R. Lehmann Co	Box 1224, Orlando, Fla	GA2-9848
Ill	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Iowa	Engineering Services Co	1305 Oakland Gdns, Cedar Rapids, Iowa	
Kan	Engineering Services Co	1305 Oakland Gdns, Cedar Rapids, Iowa	
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Md	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mich	M.P. O'Dell Co	10531 W. McNichols Rd, Detroit 21, Mich	UN2-1573
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	Lewis Stubin & Co	2305 Fairmount Ave, Philadelphia, Pa	CE6-2072
NM	J.E. Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY	WE8-1080
NY	D. B. Associates	Box 284, DeWitt, NY	GI6-0220
Ohio	M. P. O'Dell Co	26614 Center Ridge Rd, Westlake 1, Ohio	TR1-8000
Okla	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Ore	J.K. Dooley Co	3215 Western Ave, Seattle 1, Washington	AT4-8313
Pa	Lewis Stubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	CE6-2072
RI	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex	LA6-7861
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Va	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
Wash	J.K. Dooley Co	3215 Western Ave, Seattle 1, Washington	AT4-8313
W. Va	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
	MICROWAVE ELECTRONIC TUBE CO., INC	**76 Lafayette St, Salem, Mass**	**PM4-8400**
Ala	Chris Small Company	1703 Conway Rd, Orlando, Fla	GA2-7342
Ariz	Fryco Co	Lighthall Bldg, Scottsdale, Ariz	WH5-3281
Cal	C. W. Swift & Associates	15166 Ventura Blvd, Sherman Oaks, Cal	TR3-2046
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO-1376
DC (Wash)	Mr. Robert Mathias	1507 M St, Washington, DC	CO5-3080
Del	J.H. Electronic Sales Company	P.O. Box 6844, Towson, Md	VA5-4441
Fla	Chris Small Company	1703 Conway Rd, Orlando, Fla	GA2-7342
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Ill	H.G. Pretat, Inc	4 N. Cicero Ave, Chicago, Ill	CO1-3146
Ind	H.G. Pretat, Inc	4 N. Cicero Ave, Chicago, Ill	CO1-3146
Kan	W.E. Fry Co	Broadway & 34th St, Kansas City, Mo	JE-5236
Md	J.H. Electronic Sales Company	P.O. Box 6844, Towson, Md	VA5-4441
Minn	Scott Electronic Sales	6500 Xerxes Ave, S. Minneapolis 23, Minn	WA6-3918
Mo	W.E. Fry Co	Broadway & 34th St, Kansas City, Mo	JE-5236
Mo	Scott Electronic Sales	6500 Xerxes Ave, S. Minneapolis 23, Minn	WA6-3919
Mass	George Gregory Associates	99 Elm St, West Newton, Mass	BI4-4832
Neb	W.E. Fry Co	Broadway & 34th St, Kansas City, Mo	JE-5236
NY	E W Stone Company	308 Merrit Ave, Syracuse, NY	HO9-3825
NY	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NJ	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NJ	J.H. Electronic Sales Company	P.O. Box 6844, Towson, Md	VA5-4441
NM	Fryco Co	Lighthall Bldg, Scottsdale, Ariz	WH5-3281
NC	Mr. Ted Britt	1507 M St, Washington, DC	CO5-3080
ND	Scott Electronic Sales	6500 Xerxes Ave, S. Minneapolis 23, Minn	WA6-3919
Ohio	Paul J. Bockenstedt & Associates	P.O. Box 175 Dayton 24, Ohio	BE3-0849
Ohio	H.G. Pretat, Inc	4 N. Cicero Ave, Chicago, Ill	CO1-3146
Pa	J.H. Electronic Sales Company	P.O. Box 6844, Towson, Md	VA5-4441
SD	Scott Electronic Sales	6500 Xerxes Ave, S. Minneapolis 23, Minn	WA6-3919
Tenn	J.H. Electronic Sales Company	P.O. Box 6844, Towson, Md	VA5-4441
Tex	Kelley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Utah	Kelley Enterprises	336 E. 4th St, Loveland, Ohio	NO7-1376
Va	Mr. Ted Britt	1507 M St, Washington, DC	CO5-3080
Wash	C.W. Swift & Associates	15166 Ventura Blvd, Sherman Oaks, Cal	TR3-2046
Wis	H.G. Pretat, Inc	4 N. Cicero Ave, Chicago, Ill	CO1-3146
Wy	Kelly Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Canada	The Ahearn & Soper Co, Ltd	384 Bank St, Ottawa 4, Canada	CE6-9441
Foreign	Dage Corporation	219 E. 44th St, New York 17, NY	MU2-6755
	MICROWAVE ELECTRONICS CORP	**4061 Transport St, Palo Alto, Cal**	**DA1-1770**
Cal	Jay Stone & Associates	Box 583, Sunnyvale, Cal	YO8-2770
Cal	C W Swift & Associates	15166 Ventura Blvd, Sherman Oaks, Cal	TR3-2046
Del	J-H Electronic Sales Co	P.O. Box 6844, Towson, Md	VA5-4441
Ill	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
Ind	H G Pretat Inc	2511 Drexel Ave, Ft. Wayne, Ind	KE1251
Md	J-H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
NJ	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NY	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NC	J-H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
Ohio	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
Pa	J-H Electronic Sales Co	Box 742, Newton, Pa	WO8-3076
Tenn	J-H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
Va	J-H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
	MID-EASTERN ELECTRONICS INC	**32 Commerce St, Springfield, NJ**	**DR6-7130**
Ala	The Candor Co	1012 Big Cove Rd, Huntsville, Ala	JE6-8812
Ariz	Kiva Sales Co	3713 E. Indn Schl Rd, Phoenix, Ariz	CR9-6401
Cal	George H Vaughan Co	2366 E. Fthll Blvd, Pasadena, Cal	SY5-4420
Cal	William Thwayner & Co	405 S. Sunnyvale, Sunnyvale, Cal	RE9-6460
Colo	Longstreet Smith Assoc Inc	1013 15th St, Denver 2, Colo	KE4-5091
Conn	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
DC	Houser Associates	734 15th St, N.W., Wash 5, DC	ME8-0084
Fla	The Candor Co	108 Hillcrest Ave, Orlando, Fla	GA2-9848
Ga	The Candor Co	2080 Beech St, Winston-Salem, NC	PA2-1432
Idaho	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Ill	Kenneth W Meyers	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Ill	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Ind	Kenneth W Meyers	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Iowa	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen & Assoc Inc	Suite 205, St. Louis 5, Mo	PA7-8559
Ky	Lowrey Dietrich Co	333 W. First St, Dayton 2, Ohio	BA3-6042
La	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Me	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
Md	Houser Associates	734 15th St, N.W., Wash 5, DC	ME8-0084
Mass	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
Mass	Michael S Coldwell Inc	41 Lancaster Rd, Needham 92, Mass	HI4-1142
Mich	J L Pierce Co	16666 James Couzens Hwy, Detroit 21	UN2-2571
Mo	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Neb	Zak-Cowen & Assoc Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Nev	George H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
NH	Michael S Coldwell Inc	289 Fairfield Ave, Hatford 6, Conn	JA2-5832
NJ	Jud Williams Associates	50 Main St, Orange, NJ	OR5-7199
NM	Longstreet Smith Assoc Inc	2708 Carol, N.E., Albuquerque, NM	AX8-8013
NY	Jud Williams Associates	50 Main St, Orange, NJ	OR5-7199
NY	Land-C-Air Sales Co	State Tower Bldg, Syracuse, NY	HA2-4811
NC	The Candor Co	2080 Beech St, Winston-Salem, NC	PA2-1432
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland 13, Ohio	SU1-1855
Ohio	Lowry Dietrich Co	333 W. First St, Dayton 2, Ohio	BA3-6042
Okla	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Ore	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Pa	Lowry Dietrich Co	1404 Swantek St, Pittsburgh 4, Pa	WA1-2969
RI	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
SC	The Candor Co	2080 Beech St, Winston-Salem, NC	PA2-1432
Tenn	The Candor Co	2080 Beech St, Winston-Salem, NC	PA2-1432
Tex	The Kantenberger Co	711 Reverchon Dr, Dallas 11, Tex	WH8-9535
Tex	The Kantenberger Co	19 N. Hutcheson St, Houston 3, Tex	CA7-9693
Tex	The Kantenberger Co	1502 W. Gramercy St, San Antonio 1	PE2-2151

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Utah	Longstreet Smith Assoc Inc	1013 15th St, Denver 2, Colo	KE4-5091
Vt	Michael S Coldwell Inc	289 Fairfield Ave, Hartford 6, Conn	JA2-5832
Va	Houser Associates	734 15th St, N.W., Wash 5, DC	ME8-0084
Wyo	Longstreet Smith Assoc Inc	1013 15th St, Denver 2, Colo	KE4-5091
Wash	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
W.Va	Houser Associates	734 15th St, N.W., Wash 5, DC	ME8-0084
Wisc	Kenneth W Meyers	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Foreign	Societa Italiana Elettronica SRL	Via Matteo Bandello 4 1/2, Milano, It	463.978
	MIDDLESEX PAPER TUBE CO., INC	**345 Chelmsford St, Lowell, Mass**	**GL7-7687**
Conn	Middlesex Paper Tube Co	2525 Main St, Bridgeport, Conn	FO7-5668
NY	Middlesex Paper Tube Co	261 Broadway, New York, NY	CO7-3207
Pa	Middlesex Paper Tube Co	278 S. 60th St, Philadelphia, Pa	GR4-2550
	MIDGET LOUVER CO	**6-8 Well St, Norwalk, Conn**	**VO6-2342**
	MIDLAND INDUSTRIAL FINISHES CORP	**Dept 1-20, Waukegan, Ill**	**MA3-4200**
	MIDLAND MFG. CO	**3155 Fiberglas Rd, Kansas City 16, Kan**	**FI2-7950**
Ariz	Fryco	355 N. Scottsdale Road, Scottsdale, Ariz	WH5-3281
Cal	L.A. Nott & Co	1061 Howard St, San Francisco, Cal	HE1-4738
Cal	S.L. Spraggins Co	16042 Ventura Blvd, Encino, Cal	ST8-6661
Colo	Aviation Products Co	P.O. Box 1965, Denver, Colo	FL7-1129
Conn	Dan Greene, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
DC (Wash)	Robert Finlay	P.O. Box 29, Lutherville, Md	VA3-9086
Ill	G. McI. Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Ind	Southern Sales Co	P.O. Box 105, Angola, Ind	AN 777
Iowa	Herbert Kirkland	210 5th St, S.E., Cedar Rapids, Iowa	EM3-6425
Kan	Aviation Products Co	P.O. Box 1965, Wichita, Kan	AM5-7955
Ky	Southern Sales Co	P.O. Box 105, Angola, Ind	AN 777
Me	Dan Greene Organization, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Md	Robert Finlay	307 Lincoln Building, Ridgewood, NJ	OL2-0088
Mass	Dan Greene Organization, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Minn	Herbert Kirkland	210 5 St, S.E., Cedar Rapids, Iowa	EM3-6425
NH	Dan Greene Organization, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
NJ	Robert Finlay	307 Lincoln Building, Ridgewood, NJ	OL2-0088
NM	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
NY	Robert Finlay	307 Lincoln Building, Ridgewood, NJ	OL2-0088
NY	Reed-Tollefson Corp	2815 Monroe, Rochester, NY	HI5-0450
Ohio	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	HA 0589
Okla	Aviation Products Co	Box 1955, Wichita, Kan	AM5-7955
Pa	Robert Finlay	307 Lincoln Building, Ridgewood, NJ	OL2-0088
Pa	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	HA 0589
RI	Dan Greene Organization, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Tex	Lawrence Sales Co	P.O. Box 13026, Dallas, Tex	FL2-7484
Utah	Aviation Products Co	P.O. Box 1955, Wichita, Kan	AM5-7955
Vt	Dan Greene Organization, Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
W. Va	Robert Finlay	307 Lincoln Building, Ridgewood, NJ	OL2-0088
Wisc	G. McI. Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
	MIDLAND INDUSTRIAL DIV HARRISON PAINT & VARNISH CO	**1329 Harrison Ave, S.W., Canton 1, Ohio**	**GL5-5125**
	MIDWEST AUDIO CORP	**3800 W. North Ave, Chicago 47, Ill**	**CA7-3222**
	MID-WEST COIL & TRANSFORMER CO	**1642 N. Halsted, Chicago 14, Ill**	**MI2-4055**
Cal	B Polevas	10905-7 Chandler Blvd, N. Hollywood	ST7-1385
Fla	Johnson Associates of Florida	P.O. Box 1675, Casselberry, Fla	MI4-3311
Ind	William A Meily Co	4017 S. Harrison St, Ft. Wayne, Ind	KE2461
Md	Henry G Richter Inc	467 Hillside Ave, Westfield, NJ	AD3-4615
Mass	Henry G Richter Inc	467 Hillside Ave, Westfield, NJ	AD3-4615
Mich	Wm A Meily Co	4017 S. Harrison St, Ft. Wayne, Ind	KE2461
NY	Servwel Products	270 Lafayette St, New York, NY	OA6-7468
NY	Bowser & Sapecky Associates	2070 Sheridan Dr, Kenmore 23, NY	DE0484
Ohio	Wm A Meily Co	4017 S. Harrison St, Ft. Wayne, Ind	KE2461
	MIDWEST ELECTRIC PRODUCTS INC	**1515 N. Front St, Mankato, Minn**	**B-2919**
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	OR0-2520
Cal	G M Howard & Associates	1301 6th St, San Francisco 7, Cal	MA1-6759
Colo	R & M Sales Co	2214 S. Clayton St, Denver 10, Colo	SK7-2771
Colo	I W Strong	P.O. Box 419, Littleton, Colo	PY8-1589
Fla	Frank C McPherson	6417 7th Ave, St. Petersburg, Fla	DI1-6361
Ga	George L Washington	1295 N. Decatur Rd, Atlanta 6, Ga	DR7-2337
Ill	Aberdeen Electric Sales Co	5148 W. Irving Park Rd, Chicago 41, Ill	CE6-2035
Iowa	Bixler-O'Dougherty Sales	2301 S.W. 12th St, Des Moines, Iowa	
La	Jones-Philibert & Co	358 Sauve Rd, New Orleans 23, La	KE4-6471
Mass	E P McEleney & Co	310 West St, Hyde Park 36, Mass	HY3-5259
Mich	Howard E Mahaffey	12326 Hamilton Ave, Highland Park 3	TO6-5421
Minn	Marv J Pelletier	1015 N. 3rd St, Minneapolis, Minn	FE2-4369
Mo	Ajax Electrical Sales Co	1824 S. 18th St, St. Louis 4, Mo	PR3-4139
Mo	J W Gatchell Co	407 Broadway, Kansas City 5, Mo	BA1-4716
NJ	Arthur G Adams	150 Baker Ave, Bergenfield, NJ	DU4-4569
NM	Electric Locator & Sales	3921 Delamar, N.E., Albuquerque, NM	DI4-7129
NY	John R Vogt	9 Green St, Cazenovia, NY	OL5-8675
NC	Edward W Fishburne	P.O. Box 2407, Greensboro, NC	2-0620
Ohio	Westerkamp & Associates	5643 Maple Ridge Dr, Cincinnati 27, Ohio	
Ore	Wayne C Wells	6055 N.E. Glisan, Portland 13, Ore	BE5-2437
Pa	Deitch Electric Co	2133 Chalfant St, Pittsburgh 21, Pa	CH1-5034
Pa	Peter Jacobson	737 Suffolk Rd, Jenkintown, Pa	SA7-4300
Tex	John A Kiss Metal Products	1316 N. Carroll, Dallas, Tex	TA6-5303
	MIDWEST METAL PRODUCTS INC	**450 E. Donovan Rd, Kansas City 5, Kan**	**MA1-1980**
	MIDWEST MOLDING & MFG CO	**Geneva, Ill**	**ON2-1320**
Cal	Roy Silverman	1316 N. Laurel Ave, Los Angeles 46, Cal	DU7-3265
NY	W R Print Co	P.O. Box 178, Floral Park, NY	FL2-1742
Ohio	Robert R Stone & Associates	1925 Lee Rd, Cleveland Heights 18, Ohio	ER1-4484
	MID WEST SPRING MFG CO	**4632 S. Western Ave, Chicago, Ill**	**LA3-1743**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Guaggel Engineering Co	Box 9065, Birmingham, Ala	
Ariz	E C Wild Co	1163 S. Cherokee, Denver 23, Colo	SH4-1253
Colo	E C Wild Co	1163 S. Cherokee, Denver 23, Colo	SH4-1253
Fla	Guaggel Engineering Co	Box 9065, Birmingham, Ala	
Ill	W C Bloom Co	1618 Winthrop Ln, Rockford, Ill	
Ill	Milton Bishop	2014 North St, Longansport, Ind	4452
Ind	Milton Bishop	2014 North St, Logansport, Ind	4452
Iowa	Geo A Larson Co	1123 Winthrop Ln, Rockford, Ill	6-1235
Kan	Boyd Baker	5337 Wayne St, Kansas City 10, Mo	HI4-2076
Minn	C A Rademacher	906 N. Dale St, St. Paul 4, Minn	HU6-2521
Mo	Teasdale Associates	164 N. Meramec, Clayton 5, Mo	PA7-2212
NM	E C Wild Co	1163 S. Cherokee, Denver, Colo	SH4-1253
Ohio	L Schneider	Etna St, Mentone, Ind	EL3-2415
Utah	E C Wild Co	1163 S. Cherokee, Denver, Colo	SH4-1253
Wisc	J Rademacher	1208 N. Chicago Ave, S. Milwaukee, Wisc	
Canada	J Rankin Co	901 Royal Bank Bldg, Winnepeg, Canada	931033
	MIDWESTERN INSTRUMENTS	**Box 7186, Tulsa 18, Okla**	**RI7-1331**
Ala	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Ariz	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR6-6279
Cal	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR6-6279
Colo	Space Data Inc	1370 Eaton Ct, Denver 14, Colo	WA2-2624
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Del	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
DC	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Fla	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Ga	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Idaho	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR6-6279
Kan	Space Data Inc	1370 Eaton Ct, Denver 14, Colo	WA2-2624
Me	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Mich	M P Odell Co	10531 W. McNichols Rd, Detroit 21, Mich	UN2-1573
Nev	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR6-6279
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NJ	Tek-Sel Inc	54 Route 17, Paramus, NJ	HU9-7210
NM	R K Oglesbee & Associates	1403 Indian Wells Rd, Alamogordo, NM	HE7-2580
NY	Tek-Sel Inc	54 Route 17, Paramus, NJ	HU9-7210
NY	Technical Instruments Inc	916 Liverpool Rd, Liverpool, NY	OL2-2534
NC	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Ohio	M P Odell Co	2676 Salem Ave, Dayton 6, Ohio	CR7-4441
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ore	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR6-6279
Pa	Tek-Sel Inc	54 Route 17, Paramus, NJ	HU9-7210
Pa	M P Odell Co	750 Penn Ave, Pittsburgh 21, Pa	FR1-1231
RI	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
SC	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Tenn	E C Laski & Associates	1328 1/2 Gordon St, S.W., Atlanta, Ga	PL3-8627
Tex	Trinity Materials	600 Bailey St, Ft. Worth, Tex	ED5-4774
Utah	Space Data Inc	955 Folsom Ave, Salt Lake City 4, Utah	DA2-2041
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1515
Wash	Space Data Inc	8921 Sepulveda Ave, Los Angeles, Cal	OR8-6279
W. Va	M P Odell Co	750 Penn Ave, Pittsburgh 21, Pa	FR1-1231
Wyo	Space Data Inc	1370 Eaton Ct, Denver 14, Colo	WA2-2624
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Canada	Electronic Materiels Int'l Ltd	342 Gladstone Ave, Ottawa, Canada	CE6-7140
	MILES REPRODUCER CO., INC	**812 Broadway, New York 3, NY**	**SP7-7670**
	MILFORD RIVET & MACHINE CO	**851 Bridgeport Ave, Milford, Conn**	**TR8-4631**
Cal	Arthur R Hessell	1238 S. Atlantic, Los Angeles 22, Cal	AN3-5567
Cal	Fluid Power Equipment Co., Inc	524 Second St, San Francisco 7, Cal	EX7-3365
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU6-4643
Conn	Henry W Schipul	239 Housatonic Ave, Stratford, Conn	ED7-9647
Ill	H F Spath Co	5413 W. Diversey Ave, Chicago 39, Ill	BE7-1020
Ind	A D Moore	420 Chamber of Commerce Bldg, Indpls 4	ME4-6331
Mass	G W Byron	77 Greenhill Rd, Westwood, Mass	NO7-2878
Mich	W T Peterson	16950 Harper Ave, Detroit 24, Mich	TL4-2530
Minn	J R Saunders	2166 Grand Ave, St. Paul 5, Minn	MI9-3396
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NJ	H Hayes	972 Broad St, Newark 2, NJ	MA2-5877
NY	W T Stevenson	34 Burley Rd, Rochester, NY	NO3-0533
NY	Gordon V Oldham Corp	744 Broad St, Newark 2, NJ	MA2-7990
NC	Barker Instrument & Machine Co	1926 Cleveland Ave, Charlotte 3, NC	ED4-1222
Ohio	Ralph W Davis	P.O. Box 322, Toledo 10, Ohio	TR4-5304
Ohio	H Q Gamble	Cleveland Hopkins Airport, Cleve 35	WI1-7756
Ohio	A C Wahl Co	121 Mill St, Lockland, Cinn 15, Ohio	VA1-3270
Pa	Riley & Aleshire Inc	615 Greenwood Ave, Jenkintown, Pa	TU4-1708
Pa	T S Higbee	1007 McCartney St, Pittsburgh 20, Pa	WA1-5171
Tenn	L E Offutt Co., Inc	431 N. Dunlap St, Memphis, Tenn	JA5-1851
Tex	Teves-Barner Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL2-6084
Wash	The National Co	70 Mercer St, Seattle, Wash	MU2450
Wisc	G K Tollaksen	610 Main St, Racine, Wisc	ME2-2345
	MILGO ELECTRONIC CORP	**7620 N.W. 36th Ave, Miami 47, Fla**	
	MILHAUPT ENGRG CO., LUCAS	**5075 S. Lake Dr, Cudahy, Wisc**	**SH4-8700**
Ala	T S Stone Co	P.O. Box 1361, Knoxville, Tenn	KN8-1969
Ark	T S Stone Co	P.O. Box 1361, Knoxville, Tenn	KN8-1969
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Cal	W E Zimmerman Co	Town & Country Vlge, Palo Alto, Cal	DA1-2008
Miss	T S Stone Co	P.O. Box 1361, Knoxville, Tenn	KN8-1969
Tenn	T S Stone Co	P.O. Box 1361, Knoxville, Tenn	KN8-1969
	MILLEN MFG CO., EDWARD L	**90 Summit Ave, Brookline, Mass**	**LO6-4305**
	MILLEN MFG CO., INC., JAMES	**150 Exchange St, Malden, Mass**	**DA4-4108**
Cal	W Bert Knight Co	10377 W. Pico Blvd, Los Angeles, Cal	BR2-0101
Cal	Mouthrop & Hunter	165-11th St, San Francisco, Cal	UN3-7880
Conn	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynewood, Pa	TR7-1212
DC	L D Lowery Inc	50 E. Wynnewood Rd, Wynewood, Pa	TR7-1212
Ill	G G Ryan	8336 S. Maryland Ave, Chicago, Ill	TR4-8674
Ill	E C Carlson	6677 N. Northwest Hwy, Chicago, Ill	SP4-0277
Ind	MacNabb Schroeder & Loomis	820 E. 64th St, Indianapolis, Ind	CL5-6770
Iowa	Kelly Schmitz Winkeler Associates	7559 Broadway, Kansas City, Mo	EM1-5651
Kan	Kelly Schmitz Winkeler Associates	7559 Broadway, Kansas City, Mo	EM1-5651
Me	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Md	L D Lowery Inc	50 E. Wynnewood Rd, Wynewood, Pa	TR7-1212
Mass	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Minn	Kelly Schmitz Winkeler Associates	7559 Broadway, Kansas City, Mo	EM1-5651
Mo	Kelly Schmitz Winkeler Associates	7559 Broadway, Kansas City, Mo	EM1-5651
Neb	Kelley Schmitz Winkeler Associates	7559 Broadway, Kansas City, Mo	EM1-5651
NH	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	TR7-1212
NJ	John D Blasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
NY	John D Blasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	TR7-1212
RI	Gerber Sales Co., Inc	48 Pearl St, Brookline, Mass	BE2-2425
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	L D Lowery Co., Inc	50 E. Wynnewood Rd, Wynnewood, Pa	TR7-1212
Wash	L D Lowery Co., Inc	50 E. Wynnewood Rd, Wynnewood, Pa	TR7-1212
Foreign	Technical Equipment Co	Main & Milton Sts, Rahway, NJ	FU8-7192
Canada	H Roy Gray Ltd	46 Danforth Rd, Toronto, Ontario, Canada	OX1-1131
	MILLER CO. J.W	**5915 S. Main St, Los Angeles, Cal**	**AD3-4294**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Alaska	Don H. Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-3830
Ariz	Harry A. Moore Sales Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-0060
Ark	Delzell - Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Cal	Logan Sales Co	150 Eighth St, San Francisco 3, Cal	HE1-0692
Cal	R.E. Osborne	1757 Garfield Ave, S. Pasadena, Cal	SY9-8579
Colo	R.G. Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Conn	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
Del	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
DC (Wash)	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
Fla	James Millar Associates	241 Dommerich Dr, Maitland, Fla	
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Don H. Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-3830
Ill	Langhaus - Levy Associates	5317 S. Cottage Grove Ave, Chicago 15, Ill	DO3-5344
Ind	Edwin A. Schulz	721 Sherwood Dr, Indianapolis 20, Ind	CL5-1993
Iowa	Maury E. Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Kan	Maury E. Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Ky	Edwin A. Schulz	721 Sherwood Dr, Indianapolis 20, Ind	CL5-1993
La	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Me	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
Md	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
Mass	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
Minn	Clark R. Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Mo	Maury E. Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Mont	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-3830
Neb	Maury E. Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Neb	R.G. Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Nev	Logan Sales Co	150 8th St, San Francisco 3, Cal	HE1-0692
NH	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
NJ	Carduner Sales Corp	80 Shore Rd, Port Washington, NY	PO7-7700
NJ	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
NM	R.G. Bowen Co., Inc	2228A San Mateo Blvd, N.E., Albuquerque	AL5-4603
NY	Carduner Sales Corp	80 Shore Rd, Port Washington, NY	PO7-7700
NY	LeRoy & McGuire, Inc	R.D. No. 1, Phelps, NY	228
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
ND	Clark R. Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	EV1-4646
Ohio	Mike Roth Sales Co	908 Grandon Ave, Columbus, Ohio	BE5-4253
Okla	Delzell - Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Ore	Don H. Burcham Co	510 N.W. 19th St, Portland 8, Ore	CA7-3830
Pa	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	EV1-4646
RI	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
SD	Clark R. Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Tenn	James Millar Associates	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Tex	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Utah	R.G. Bowen Co., Inc	5175 S. 4660 West, Kearns 18, Utah	CY6-5533
Vt	W.A. Hendrickson Co	291 First Parish Rd, Scituate, Mass	SC 652
Va	Trinkle Sales	7675 Maple Ave, Merchantville 8, NJ	NO3-0303
Wash	Don H. Burcham Co	422 First Ave, W., Seattle, Wash	AT4-7297
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	EV1-4646
Wisc	Langhaus - Levy Associates	5317 S. Cottage Grove Ave, Chicago 15, Ill	DO3-5344
Wyo	R.G. Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
Canada	Atlas Radio Corp. Ltd	50 Wingold Ave, Toronto 19, Canada	RL1-6174
Foreign	Roburn Agencies, Inc	431-435 Greenwich St, New York 13, NY	WO6-2130
	MILLER CO., L C	**5005 E. Slauson Ave, L A 22, Cal**	**LU3-1065**
NY	QEO Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
Foreign	Telesco International Corp	35 W. 40th St, New York 18, NY	PE6-2165
	MILLER ELECTRIC CO	**120 Main St, Pawtucket, RI**	**PA5-0420**
	MILLER FORM TOOL CO., INC	**485 Robert Ave, Santa Clara, Cal**	**CH3-1203**
	MILLER-HARRIS INSTRUMENT CO	**1134 S. 1st St, Milwaukee 4, Wisc**	**EY3-7256**
Cal	James M Kirotozyner	544 Market St, San Francisco 4, Cal	GA1-7700
Cal	Ed Warburg Co., Inc	1207 E. 8th St, Los Angeles, Cal	
Del	Charles W Thomas Co	4540 Worth St, Philadelphia 24, Pa	DE3-6900
DC	Charles W Thomas Co	4540 Worth St, Philadelphia 24, Pa	DE3-6900
Fla	W Chester Smith	207 E. Broward Blvd, Ft. Lauderdale	JA4-7172
Ga	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta, Ga	
Ill	Richard Greene	6625 Delmar Blvd, St. Louis, Mo	PA6-2666
Ind	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Ky	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Md	Charles W Thomas Co	4540 Worth St, Philadelphia 24, Pa	DE3-6900

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Minn	Richard Harry Evans	Rt 5, Wayzata, Minn	
Miss	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta, Ga	
Mo	Richard Greene	6625 Delmar Blvd, St. Louis, Mo	PA6-2666
NJ	Charles W Thomas	4540 Worth St, Philadelphia 24, Pa	DE3-6900
NY	Niagara Electric Sales Co	505 Delaware Ave, Buffalo, NY	
NC	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta, Ga	
Ohio	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Pa	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Pa	Charles W Thomas	4540 Worth St, Philadelphia 24, Pa	DE3-6900
SC	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta, Ga	
Tenn	H R Miles & Associates	2500 Franklin Rd, Nashville, Tenn	CY2-7016
Va	Charles W Thomas	4540 Worth St, Philadelphia 24, Pa	DE3-6900
W. Va	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	UN3-5189
Wisc	E A Dickinson & Associates	4117 N. Greenbay Ave, Milwaukee, Wisc	
	MILLER INDUSTRIES	**1527 Marion, Grand Haven, Mich**	**5185**
	MILLER MFG CO., M A	**Fourth & Church Sts, Libertyville, Ill**	
	MILLER RESEARCH LABS	**5529 S. Fifth St, Milwaukee 7, Wisc**	**HU3-6303**
	MILLER-ROBINSON CO	**7007 Avalon Blvd, Los Angeles 3, Cal**	**PL2-6141**
	MILLI-SWITCH CORP & AFF P R MALLORY & CO., INC	**Mill Creek Rd, Gladwyne, Pa**	**MI2-9222**
Ala	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
Ariz	P R Mallory & Co., Inc	9121 E. Garvey Ave, Rosemead, Cal	
Ark	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	
Cal	P R Mallory & Co., Inc	9121 E. Garvey Ave, Rosemead, Cal	
Cal	E M Toussaint	871 Park Ave, San Jose, Cal	
Colo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	
Conn	Schaal Associates inc	11 Muzzey St, Lexington, Mass	
Fla	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
Ga	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
Idaho	E M Toussaint	871 Park Ave, San Jose, Cal	
Ill	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	
Ill	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	
Ind	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	
Ky	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	
La	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	
Me	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	
Mass	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	
Mich	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	
Minn	The V Helman Co	721 W. Lake St, Minneapolis, Minn	
Miss	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	
Mont	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	
Neb	The V Helman Co	721 W. Lake St, Minneapolis, Minn	
Nev	P R Mallory & Co., Inc	9121 E. Garvey Ave, Rosemead, Cal	
Nev	E M Toussaint	871 Park Ave, San Jose, Cal	
NH	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	
NM	Koether-Cox Co	110 West 13th Ave, Denver 4, Colo	
NY	A P Hellert	Box 1358, Church St, Sta, New York 8,	
NY	Edward E Harries	366 Norwood Ave, Buffalo 22, NY	
NC	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
ND	The V Helman Co	721 W. Lake St, Minneapolis, Minn	
Ohio	Roger L Emish	14620 Grandmont Rd, Detroit 27, Mich	
Okla	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	
Ore	E M Toussaint	871 Park Ave, San Jose, Cal	
RI	Schaal Associates inc	11 Muzzey St, Lexington, Mass	
SC	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
SD	The V Helman Co	721 W. Lake St, Minneapolis, Minn	
Tenn	Grady-Duckett Sales Co	26 E. Andrews Dr, Atlanta 5, Ga	
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	
Utah	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	
Vt	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	
Wash	E M Toussaint	871 Park Ave, San Jose, Cal	
Wisc	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	
	MILLITEST CORP	**88 Madison Ave, Hempstead, NY**	**IV9-9672**
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Ariz	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Cal	Components Sales California Inc	4626 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
Colo	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Del	Habo Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
DC	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Idaho	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
Ill	R J Mathews Co	2113 S. Western Ave, Chicago, Ill	VI7-7220
Ind	R J Mathews Co	5860 Norwaldo Ave, Indianapolis 20, Ind	GL1-3803
Md	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Mich	R J Mathews Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Mont	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NM	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
NC	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
SC	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	MI7-1901
Utah	Keeley Enterprises	336 East 4th St, Loveland, Colo	NO7-1376
Va	Habco Electronic Sales Co	603 Allegheny Ave, Baltimore, Md	JU7-7527
Wisc	R J Mathews Co	2113 S. Western Ave, Chicago, Ill	VI7-7220
Wyo	Keeley Enterprises	336 E. 4th St, Loveland, Colo	NO7-1376
	MILLIVAC INSTRUMENTS DIV COHU ELECTRONICS INC	**2315 Second Ave, Schenectady, NY**	**EL5-6550**
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	MU1-7411
Ga	E G Holmes & Associates	4070 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	AV6-5824
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Mo	Leemark Associates	P.O. Box 8467, Kansas City 14, Mo	NI2-3313
NY	QED Electronic Sales Inc	926 Riverview Rd, Schenectady, NY	CO5-8133
NY	C A Winick Co	926 Riverview Rd, Schenectady, NY	CO5-8133
NY	QED Electronic Sales Inc	9 Elm Ave, Yonkers, NY	
Ohio	Elliott Sales Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
Pa	Holdsworth & Co	Box 71, Lansdowne, Pa	MA6-8300
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Va	The Jay Co	2420 Wilson Blvd, Arlington, Va	JA4-6767
Wash	M K Widdekind Co	222 First Ave, N., Seattle 9, Wash	AT4-4869
Foreign	Fralhom Co., Inc	33 W. 42nd St, New York 36, NY	BR9-9422
Canada	Tellurometer Canada Ltd	1562 Carling Ave, Ottawa, Ontario, Can	PA8-2684
	MILMAN ENGINEERING CO., INC	**1831 Pontius Ave, Los Angeles 25, Cal**	**GR3-0616**
Cal	Huntington Engineering Co	411 Skyway Rd, Los Angeles 49, Cal	GL4-0056
Cal	Paul B Slater Co	2505 S. Yates Ave, Los Angeles 22, Cal	RA3-7251
Cal	Hoffman & Heartt	3005 S. Grand Ave, Los Angeles 7, Cal	RI8-5371
Cal	Marshall Tool & Supply Co	2850 E. Olympic Blvd, Los Angeles 23	AN3-6121
Mass	R J R Kelley Co	21 Woodland St, Arlington 74, Mass	MI3-6127
Mich	Hazerodt Associates	903 S. Woodward Ave, Royal Oak, Mich	JO6-7978
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22	JU8-2523
NJ	R J R Kelley Co	519 Main St, East Orange, NJ	OR6-0714
NY	R J R Kelley Co	60 - 6th St, Garden City Park, NY	PI2-6420
NY	R J R Kelley Co	4547 Dewey Ave, Rochester, NY	NO3-7861
Pa	Assembly Products of Pittsburgh	517 Second Ave, Pittsburgh 19, Pa	GR1-7671
Pa	R J R Kelley Co	532 Charles Dr, King of Prussia, Pa	OS5-7890
Va	Southeastern Sales Co	P.O.Box 461, Blacksburg, Va	PR2-8603
	MILWAUKEE RESISTOR CO	**700 W. Virginia St, Milwaukee 4, Wisc**	**BR1-9990**
	MILWAUKEE STAMPING CO	**802 S. 72 St, Milwaukee, Wisc**	**GR6-2400**
	MINATRON CORP	**14 Cliveden Pl, Belle Mead, NJ**	
	MINCO PRODUCTS INC	**740 N. Washington Ave, N., Minneapolis 1, Minn**	**FE8-0753**
Ariz	Enright Engineering Co	4434 Ingraham St, San Diego 9, Cal	HU8-0090
Cal	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR8-2663
Del	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
DC	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Idaho	Myron R Smith & Co	9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Iowa	Engineering Products Associates	1821 University Ave, St.Paul 4, Minn	MI6-3443
Md	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
NJ	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
NM	Enright Engineering Co	4434 Ingraham St, San Diego 9, Cal	HU8-0090
NY	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
ND	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Ore	Myron R Smith & Co	9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Pa	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
SD	Engineering Products Associates	1821 University Ave, St.Paul 4, Minn	MI6-3443
Va	Brierley Davis Co	332 Springfield Ave, Summit, NJ	CR3-7300
Wash	Myron R Smith & Co	9300 N.E. 12th St, Bellevue, Wash	GL4-9400
Wisc	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
	MINCOM DIV MINNESOTA MINING & MFG CO	**2049 S.Barrington, Los Angeles 25, Cal**	**GR9-3751**
DC	Minnesota Mining & Mfg Co	425 13th St, N.W., Washington 4, DC	NA89480
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates Inc	1224 N. Capitol Ave, Indianapolis 2	
Mich	Ridgway Associates Corp	1204 N. Woodward Ave, Royal Oak	
Ohio	Ridgway Associates Corp	5915 Schaaf Rd, Cleveland 31, Ohio	SK2-5955
Ohio	Ridgway Associates Corp	3130 Far Hills Ave, Dayton 29, Ohio	
	MINE SAFETY APPLIANCES CO	**201 N. Braddock Ave, Pittsburgh, Pa**	**CH1-5900**
Ala	Mine Safety Appliances Co	2500 12th Ave, N. Birmingham 4, Ala	AL4-3403
Ariz	Mine Safety Appliances Co	1906 E. 18th St, Tucson, Ariz	MA3-1814
Cal	Mine Safety Appliances Co	115 W. 25th St, Los Angeles 7, Cal	RI7-9567
Cal	Mine Safety Appliances Co	1255 Howard St, San Francisco, Cal	HE1-3870
Ga	Mine Safety Appliances Co	1343-45 Spring St, N.W., Atlanta 9, Ga	TR4-6378
Ill	Mine Safety Appliances Co	144 W. Superior St, Chicago 10, Ill	MI2-3575
Mich	Mine Safety Appliances Co	19725 Ralston, Detroit 3, Mich	TO8-5855
Mo	Mine Safety Appliances Co	2603 Cherry St, Kansas City 8, Mo	BA1-9787
NJ	Mine Safety Appliances Co	1100 Globe Ave, Mountainside, NJ	CO7-6297
Ohio	Mine Safety Appliances Co	17901 Euclid Ave, Cleveland 12, Ohio	KE1-9600
Pa	Mine Safety Appliances Co	1614 Summer St, Philadelphia 3, Pa	LO4-1216
Pa	Mine Safety Appliances Co	7517 Pennsylvania Ave, Pittsburgh 8, Pa	CH1-6332
Tex	Mine Safety Appliances Co	1630 Oak Lawn Ave, Dallas 7, Tex	RI7-4209
Utah	Mine Safety Appliances Co	257 Rio Grande St, Salt Lake City 1, Utah	EM4-6044
Wash	Mine Safety Appliances Co	71 Columbia St, Seattle 4, Wash	MA2-6622
W. Va	Mine Safety Appliances Co	321 Masonic Temple Bldg, Charleston 1	DI3-5222
	MINIATURE ELECTRONIC COMPONENTS CORP	**21 Plymouth St, Holbrook, Mass**	**WO3-1054**
Cal	M W Riedel & Co	316 E. Valley Blvd, Alhambra, Cal	CU3-4904
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach, Fla	FR4-1391
Ill	W J Piller & Associates	515 Hibbard Rd, Wilmette, Ill	MA6-0333
Md	East Coast Liaison Inc	P.O. Box 243, Lutherville, Md	VA5-4449
Mass	Robert B Hatch Co	19 Kearney Rd, Needham Heights, Mass	HI4-1259
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU8-2523
Mo	Electro-Mechanical Sales	12760 Post Oak Rd, St Louis, Mo	PA5-7793
NY	Electrical Manufacturers Service	P.O. Box 128, E. Williston, NY	PI2-1616
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Tex	Alto Engineering Sales Co	2712 W. Mockingbird Ln, Dallas, Tex	FL1-0010
Wash	Technical Sales Co	1731 First Ave, S., Seattle, Wash	SE5532
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
	MINIATURE PRECISION BEARINGS INC	**Precision Park, Keene, NH**	**EL2-0310**
Cal	MPB	8621 S. Bellanca Ave, Los Angeles 45	OR8-3482
Cal	George M Philpott	2376 S. Railroad Ave, Fresno 21, Cal	AM6-9843
Cal	George M Philpott Co., Inc	2928 Poplar St, Oakland 8, Cal	GL2-0458
Cal	George M Philpott Co., Inc	6260 Folsom Blvd, Sacramento 19, Cal	GL2-2641
Cal	George M Philpott Co., Inc	E. Grand Harbor Way, S. San Francisco	JU9-1010
Colo	Bearing Service & Supply	4433 Claude Ct, Denver 16, Colo	AC2-5991
Ga	G W Smith Co	394 Williams St, N.W., Atlanta 8, Ga	JA3-7140
Iowa	Miniature Precision Bearings Inc	417 First Ave, S.E., Cedar Rapids, Iowa	EM3-8121
Kan	Benson Engineering	2902 W. 72nd Terr, Prairie Village, Kan	EN2-2843
Kan	Benson Engineering Co	519 S. Broadway, Wichita 2, Kan	AM2-6971
Md	Miniature Precision Bearings Inc	16 Balt-Annapolis Blvd, Glen Burnie, Md	SO1-2450
Mass	Miniature Precision Bearings Inc	419 Boylston St, Boston 16, Mass	CO7-8989
Minn	Eiler Equipment Co	1107 S. Second St, Minneapolis 15, Minn	FE2-6881
Mo	Edwards Sales Agency	2319 Hampton Ave, St. Louis 10, Mo	MI7-5631
NY	Miniature Precision Bearings Inc	18 Purdy Ave, Rye, NY	WO7-5700
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati 37	ME1-2460
Ohio	Bowron & Church	3537 Lee Rd, Cleveland 20, Ohio	SK1-1223
Ohio	Sheridan Associates Inc	4217 N. Main St, Dayton 5, Ohio	CR7-7212
Ore	Bearing Sales & Service Inc	1645 N.W. Hoyt St, Portland 9, Ore	CA3-6301
Pa	Moffatt Bearings Co	1640 Fairmount Ave, Philadelphia 30	PO5-1890
Tex	Benson Engineering Co	2514 W. Mockingbird Ln, Dallas 35, Tex	FL2-7541
Utah	Bearings Service & Supply Co of Utah	1207 S. Main St, Salt Lake City 10, Utah	IN6-8776
Wash	Bearing Sales & Service Inc	2908 6th Ave, S., Seattle 4, Wash	MU0331
Foreign	R A Rodriquez Inc	39-40 59th St, Woodside 77, NY	HI6-2330
Canada	Lyman Tube & Bearings Ltd	5420 Pare St, Montreal 9, Canada	RI8-6953
	MINIATURE TRANSMISSIONS CO	**648 College St, South Bend, Ind**	
	MINICORD CORP OF AMERICA	**1913 Atlantic Ave, Atlantic City, NJ**	**2-0488**
	MINI-RAD, Inc	**7416-E Varna Ave, N. Hollywood, Cal**	**PO4-6479**
Ala	E.C. Raymund & Assoc	P.O. Box 8215, Madiera Beach, Fla	7-6126
Ariz	Fryco Engr. Reps	P.O. Box 464, Scottsdale, Ariz	WH5-3281
Ark	Harry D. Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Cal	William Theisner	405 S. Sunnyvale Ave, Sunnyvale, Cal	RE9-8460
Cal	Meredith Eng. Assoc	385 E. Green St, Pasadena, Cal	MU1-8957
Colo	Howell Sales Co	4637 Dudley, Arvada, Colo	KE4-7306
Conn	Bordewieck Engr. Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Del	R.P. Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
DC (Wash)	R.P. Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Ga	E.C. Raymund & Assoc	Box 8215, Madeira Beach, Fla	7-6126
Fla	E.C. Raymund & Assoc	Box 8215, Madeira Beach, Fla	7-6126
Idaho	Howell Sales Co	4637 Dudley, Arvada, Colo	KE4-7306
Ill	W.G. Brouillette & Assoc	1558 Newcastle, Westchester, Ill	FI5-6500
Ind	W.G. Brouillette & Assoc	1558 Newcastle, Westchester, Ill	FI5-6500
Iowa	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Kan	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Ky	Harry D. Edmiston	Box 5832, Dallas, Tex	TA7-2853
La	Harry D. Edmiston	Box 5832, Dallas, Tex	TA7-2853
Me	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Md	R.P. Luce & Co., Inc	1300 Jericho Turnpk, New Hyde Pk, NY	GE7-4550
Mass	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Miss	Harry D. Edmiston	Box 5832, Dallas, Tex	TA7-2853
Mo	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Mont	Howell Sales Co	Box 1328, Bway Stat, Seattle 2, Wash	EA 3209
Neb	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
NH	Bordewieck	221 Grove St, Boston 85, Mass	VI3-0845
NJ	R.P. Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
NM	Fryco Engr. Reps	Box 464, Scottsdale, Ariz	WH5-3281
NY	R.P. Luce & Co	7 Beechwood Rd, Summit, NJ	CR3-9250
NC	E. C. Raymund	Box 8215, Madeira Beach, Fla	7-6126
Ohio	W.G. Brouillette	1558 Newcastle, Westchester, Ill	FI5-6500
Okla	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Ore	Howell Sales Co	4637 Dudley, Arvada, Colo	KE4-7306
Pa	R.P. Luce	8604 Fayette St, Philadelphia 50, Pa	CH7-6988
RI	Bordewieck Engr. Sales	221 Grove St, Boston 85, Mass	VI3-0845
SC	E.C. Raymund	Box 8215, Madeira Beach, Fla	7-6126
Tenn	E.C. Raymund	Box 8215, Madeira Beach, Fla	7-6126
Tex	Harry D. Edmiston	Box 5832, Dallas, Tex	TA7-2853
Utah	Howell Sales Co	4637 Dudley, Arvada, Colo	KE4-7306
Vt	Bordewieck Eng. Sales	221 Grove St, Boston 85, Mass	VI3-0845
Va	R.P. Luce & Co	8604 Fayette St, Philadelphia 50, Pa	CH7-6988
Wash	Howell Sales Co	4637 Dydley, Arvada, Colo	KE4-7306
Wisc	W.G. Brouillette & Assoc	1558 Newcastle, Westchester, Ill	FI5-6500
Wyo	Howell Sales Co	4637 Dudley, Arvada, Colo	KE4-7306
	MINISINK RUBBER CO., INC	**Orange County, Unionville, NY**	**UN3831**
	MINITRAN CORP	**5 Oliver St, Newark, NJ**	**MA3-1168**
Fla	W M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	W M Jones Co	1437 Kenilworth Dr, S.W., Atlanta, Ga	PL5-5318
Md	W M Jones Co	1107 Echo Ct, Towson, Md	VA3-2324
	MINITRON INC	**1105 2nd St, Encinitas, Cal**	**PL3-2600**
	MINNEAPOLIS-HONEYWELL		
	REGULATOR CO	**2753 4th Ave, S., Minapls 8, Minn**	**FA2-5225**
	AERONAUTICAL DIV	**2600 Ridgway Rd, Minapls 13, Minn**	**ST1-8011**
	BOSTON DIV	**40 Life St, Boston 35, Mass**	**AL4-5200**
	INDUSTRIAL DIV	**Wayne & Windrim, Philadelphia 44, Pa**	**DA9-8300**
	INDUSTRIAL SYSTEMS DIV	**10721 Manne St, Beltsville, Md**	**GR4-6700**
	MISSILE EQUIPMENT DIV	**Queen & S. Bailey, Pottstown, Pa**	**FA3-4000**
	RUBICON INSTRUMENTS	**Ridge at 35 St, Philadelphia 32, Pa**	**BA5-3737**
	SEMICONDUCTOR PRODS DIV	**1015 S. 6th St, Minneapolis 4, Minn**	**FE2-5225**
Ala	Minneapolis-Honeywell	2616 7th Ave, S., Birmingham 5, Ala	FA2-7586
Ala	Minneapolis-Honeywell	3805 Governors Dr, S.W., Huntsville, Ala	JE6-8691
Ala	Minneapolis-Honeywell	105 N. Florida St, Mobile, Ala	GR8-8484
Alaska	Minneapolis-Honeywell	420 Post Rd, Anchorage, Alaska	BR5-5751
Ariz	Minneapolis-Honeywell	4125 N. Seventh Ave, Phoenix, Ariz	CR4-3568
Ark	Minneapolis-Honeywell	608 W. Third St, Little Rock, Ark	FR5-5389
Cal	Minneapolis-Honeywell	930 Truxton Ave, Bakersfield, Cal	FA7-0204
Cal	Minneapolis-Honeywell	446 Blackstone Blvd, Fresno, Cal	AD7-2191
Cal	Minneapolis-Honeywell	6620 Telegraph Rd, Los Angeles 22, Cal	RA3-6611
Cal	Minneapolis-Honeywell	1402 E St, Sacramento 14, Cal	GI1-0131
Cal	Minneapolis-Honeywell	2153 Moore St, San Diego 1, Cal	CY8-9908
Cal	Minneapolis-Honeywell	2 Dorman Ave, San Francisco 24, Cal	AT8-0118
Cal	Minneapolis-Honeywell	949 Main St, Santa Clara, Cal	CH3-4217
Colo	Minneapolis-Honeywell	1600 W. 13th Ave, Denver 4, Colo	AC2-4866
Conn	Minneapolis-Honeywell	885 Wethersfield Ave, Hartford 14, Conn	JA5-3163
Conn	Minneapolis-Honeywell	141 Fitch St, New Haven, Conn	FU9-9551
Del	Minneapolis-Honeywell	838 N. Union St, Wilmington 5, Del	OL5-3368
DC	Minneapolis-Honeywell	4926 Wisconsin Ave, N.W., Wash 16	EM2-4480
Fla	Minneapolis-Honeywell	1746 E. Adams St, Jacksonville 2, Fla	RA5-4733
Fla	Minneapolis-Honeywell	222 Bunker St, Melbourne, Fla	PA3-6336
Fla	Minneapolis-Honeywell	9701 N.W. 27th Ave, Miami, Fla	MU1-8547
Fla	Minneapolis-Honeywell	3903 Grand Central Ave, Tampa 9, Fla	RE7-5304

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ga	Minneapolis-Honeywell	1415 Howell Mill Rd, N.W., Atlanta	TR5-9561
Idaho	Minneapolis-Honeywell	541 2nd St, Idaho Falls, Idaho	JA2-4768
Ill	Minneapolis-Honeywell	7350 N. Lincoln Ave, Chicago 80, Ill	OR4-9770
Ill	Minneapolis-Honeywell	P.O.Box 170, Harvey, Ill	VI9-1230
Ill	Minneapolis-Honeywell	603 W. Lake Ave, Peoria, Ill	5-7671
Ind	Minneapolis-Honeywell	116 N. St. Joseph Ave, Evansville 12	HA5-6128
Ind	Minneapolis-Honeywell	3502 Quimby Arcade, Ft. Wayne 6, Ind	HA4354
Ind	Minneapolis-Honeywell	1905 W. 18th St, Indianapolis 2, Ind	ME5-4591
Ind	Minneapolis-Honeywell	220 S. William St, South Bend, Ind	AT9-7474
Iowa	Minneapolis-Honeywell	2010 River St, Davenport, Iowa	7-5261
Iowa	Minneapolis-Honeywell	1911 Ingersoll Ave, Des Moines 14	CH4-0348
Kan	Minneapolis-Honeywell	2801 S. Madison, Wichita, Kan	AM7-5304
Ky	Minneapolis-Honeywell	2000 S. Brook St, Louisville 8, Ky	ME7-1442
La	Minneapolis-Honeywell	1545 N. Foster Dr, Baton Rouge, La	DI8-3206
La	Minneapolis-Honeywell	P.O.Box 8038, New Orleans, La	FA3491
La	Minneapolis-Honeywell	2737 Linwood Ave, Shreveport, La	7-5391
Me	Minneapolis-Honeywell	Box 1699, Thompson's Pt, Portland 2	SP3-4751
Md	Minneapolis-Honeywell	4612 Harford Rd, Baltimore 14, Md	CL4-9070
Mass	Minneapolis-Honeywell	1230 Soldiers Field Rd, Boston 35	AL4-8730
Mass	Minneapolis-Honeywell	Highland Sta, Box 124, Springfield 1	RE4-1159
Mass	Minneapolis-Honeywell	177A Grafton St, Worcester 4, Mass	PL3-6357
Mich	Minneapolis-Honeywell	Box 3901, Strathmoor Sta, Detroit 27	TE4-6020
Mich	Minneapolis-Honeywell	1549 Buchanan Ave, S.W., Grand Rapids 2	CH5-0473
Mich	Minneapolis-Honeywell	521 N. Washington, Lansing, Mich	IV2-1010
Mich	Minneapolis-Honeywell	1830 N. Michigan Ave, Saginaw 57	PL3-5435
Mich	Minneapolis-Honeywell	24725 Harper Ave, St. Clair Shores	PR3-1900
Minn	Minneapolis-Honeywell	926 E. Second St, Duluth, Minn	RA4-8851
Minn	Minneapolis-Honeywell	2747 4th Ave, S., Minneapolis 8, Minn	FE2-5225
Miss	Minneapolis-Honeywell	535 College St, Jackson, Miss	FL5-5363
Mo	Minneapolis-Honeywell	4650 E. 50 Hwy, Kansas City 30, Mo	WA3-8725
Mo	Minneapolis-Honeywell	2146 Hampton Ave, St. Louis 10, Mo	MI7-6100
Mont	Minneapolis-Honeywell	106 11th St, W., Billings, Mont	AL2-5646
Neb	Minneapolis-Honeywell	403 N. Saddle Creek Rd, Omaha 3, Neb	RE7557
NJ	Minneapolis-Honeywell	P.O.Box 161, Union, NJ	MU8-9000
NM	Minneapolis-Honeywell	2502 Garfield Ave, S.E., Albuquerque	CH7-0276
NY	Minneapolis-Honeywell	45 Colvin Ave, Albany 6, NY	89-2546
NY	Minneapolis-Honeywell	94 Henry St, Binghamton, NY	RA3-7358
NY	Minneapolis-Honeywell	1606 Kenmore Ave, Buffalo 23, NY	DE9570
NY	Minneapolis-Honeywell	24-30 Skillman Ave, L-I City 1, NY	EX2-4300
NY	Minneapolis-Honeywell	841 Maple St, Rochester 11, NY	FA8-4510
NY	Minneapolis-Honeywell	311 Nottingham Rd, Syracuse 10, NY	HO3-9111
NC	Minneapolis-Honeywell	P.O.Box 3126, Charlotte 3, NC	JA3-6516
NC	Minneapolis-Honeywell	P.O.Box 5036, Greensboro, NC	BR5-6469
Ohio	Minneapolis-Honeywell	488 Glenwood Ave, Akron 10, Ohio	PO2-8806
Ohio	Minneapolis-Honeywell	7645 Production Dr, Cincinnati 37, Ohio	PO1-4500
Ohio	Minneapolis-Honeywell	1900 Superior Ave, Cleveland 14, Ohio	TO1-0400
Ohio	Minneapolis-Honeywell	4272 Indianola Ave, Columbus 14, Ohio	AM8-8681
Ohio	Minneapolis-Honeywell	1441 Milburn Ave, Dayton 4, Ohio	BA6-1492
Ohio	Minneapolis-Honeywell	5618 Secor Rd, Toledo 13, Ohio	GR4-5793
Ohio	Minneapolis-Honeywell	3330 South Ave, Youngstown 2, Ohio	ST8-4079
Okla	Minneapolis-Honeywell	4501 N. Cooper, Oklahoma City 18	JA8-4485
Okla	Minneapolis-Honeywell	5923 E. 31st St, Tulsa 5, Okla	TE5-8491
Ore	Minneapolis-Honeywell	150 Adams, Eugene, Ore	DI4-1105
Ore	Minneapolis-Honeywell	2600 S.E. Belmont, Portland 15, Ore	BE5-8411
Pa	Minneapolis-Honeywell	2741 Paxton St, Harrisburg, Pa	CE8-1651
Pa	Minneapolis-Honeywell	3345 W. Hunting Park Ave, Phila 32	BA6-2400
Pa	Minneapolis-Honeywell	4120 Brownville Rd, Pittsburgh 27	TU2-9700
Pa	Minneapolis-Honeywell	743 Main St, Scranton, Pa	GL7-6751
RI	Minneapolis-Honeywell	66 Taylor Dr, E. Providence 16, RI	GE8-6000
SC	Minneapolis-Honeywell	4478 Ft. Jackson Blvd, Columbia, SC	SU7-6643
SC	Minneapolis-Honeywell	42 Grand Ave, Greenville, SC	CE2-2444
SD	Minneapolis-Honeywell	213 N. Nesmith Ave, Sioux Falls, SD	4-4545
Tenn	Minneapolis-Honeywell	3223 Bramerd Rd, Chattanooga 11	OX8-1831
Tenn	Minneapolis-Honeywell	4617 Old Central Ave Pike, Knoxville 18	MY1-6471
Tenn	Minneapolis-Honeywell	1530 Madison Ave, Memphis, Tenn	BR6-4465
Tenn	Minneapolis-Honeywell	4113 Hillsboro Rd, Nashville, Tenn	AM9-3302
Tex	Minneapolis-Honeywell	1505 W. 10th St, Amarillo, Tex	DR3-0301
Tex	Minneapolis-Honeywell	3304 Bailey Ln, Austin, Tex	GL2-2388
Tex	Minneapolis-Honeywell	315 Westchester Dr, Corpus Christi	TU2-2683
Tex	Minneapolis-Honeywell	6000 N. Central Expwy, Dallas 6, Tex	EM8-6401
Tex	Minneapolis-Honeywell	1021 1/2 E. Missouri, El Paso, Tex	KE3-8407
Tex	Minneapolis-Honeywell	3145 St. Louis St, Ft. Worth, Tex	WA7-7080
Tex	Minneapolis-Honeywell	P.O.Box 2631, Houston 1, Tex	WA8-2451
Tex	Minneapolis-Honeywell	1622 6th St, Lubbock, Tex	PO2-5483
Tex	Minneapolis-Honeywell	P.O.Box 1407, Odessa, Tex	FE2-9651
Tex	Minneapolis-Honeywell	2008 Military Dr, N.W., San Antonio 13	DI4-2351
Utah	Minneapolis-Honeywell	2260 S. Main St, Salt Lake City 15	IN6-8628
Va	Minneapolis-Honeywell	3535C Tidewater Dr, Norfolk 9, Va	MA2-2356
Va	Minneapolis-Honeywell	3309 W. Broad St, Richmond, Va	EL8-3801
Va	Minneapolis-Honeywell	2005 Westover Ave, S.W., Roanoke, Va	DI4-1845
Va	Minneapolis-Honeywell	708 Reid St, Staunton, Va	TU6-7751
Wash	Minneapolis-Honeywell	1329 Geo Washington Way, Richland 14	5-6670
Wash	Minneapolis-Honeywell	401 Pontius Ave, N., Seattle, Wash	MU2-5610
Wash	Minneapolis-Honeywell	917 W. Mallon, Spokane 1, Wash	FA8-1000
Wash	Minneapolis-Honeywell	125 Del Monte, Tacoma 66, Wash	PR1938
W. Va	Minneapolis-Honeywell	1416 Kanawha Blvd, E., Charleston 1	DI6-0857
Wisc	Minneapolis-Honeywell	2702 Monroe St, Madison 5, Wisc	CE3-9701
Wisc	Minneapolis-Honeywell	804 First St, Menasha, Wisc	PA2-2871
Wisc	Minneapolis-Honeywell	5520 W. Burleigh St, Milwaukee 10	HI5-6010

	MINNESOTA MINING & MFG CO CHEMICAL DIV	**900 Bush Ave, St. Paul 6, Minn**	**PR6-8511**
Cal	Minnesota Mining & Mfg Co	320 Shaw Rd, S. San Fracisco 10, Cal	
Ga	Minnesota Mining & Mfg Co	732 Ashby St, N.W., Atlanta 18, Ga	
Ill	Minnesota Mining & Mfg Co	6850 S. Harlem Ave, Bedford Park, Ill	
Mass	Minnesota Mining & Mfg Co	1330 Centre St, Newton Center 59, Mass	
Mich	Minnesota Mining & Mfg Co	411 Piquette Ave, Detroit 2, Mich	
NJ	Minnesota Mining & Mfg Co	75 Droyers St, Jersey City 3, NJ	
Ohio	Minnesota Mining & Mfg Co	P.O. Box 511, Akron 9, Ohio	
Ohio	Minnesota Mining & Mfg Co	4835 Para Dr, Cincinnati 37, Ohio	
Ohio	Minnesota Mining & Mfg Co	12200 Brookpark Rd, Cleveland 30, Ohio	
Pa	Minnesota Mining & Mfg Co	5698 Rising Sun Ave, Philadelphia 20, Pa	
Tex	Minnesota Mining & Mfg Co	2121 Santa Anna Ave, Dallas 28, Tex	
	MINNESOTA MINING & MFG CO ELECTRICAL TAPES	**900 Bush Ave, St. Paul, Minn**	**PR6-8511**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Minnesota Mining & Mfg Co	6023 S. Garfield Ave, Los Angeles 22, Cal	
Cal	Minnesota Mining & Mfg Co	320 Shaw Rd, S. San Francisco, Cal	
Ga	Minnesota Mining & Mfg Co	732 Ashby St, N.W., Atlanta 18, Ga	
Hawaii	Minnesota Mining & Mfg Co	Honolulu 14, Hawaii	
Ill	Minnesota Mining & Mfg Co	6850 S. Harlem Ave, Chicago 8, Ill	
Mass	Minnesota Mining & Mfg Co	1330 Centre St, Boston, Newton Center 59, Mass	
Mich	Minnesota Mining & Mfg Co	411 Piquette Ave, Detroit 2, Mich	
Mich	Minnesota Mining & Mfg Co	815 Monroe Ave, N.W., Grand Rapids 2, Mich	
Minn	Minnesota Mining & Mfg Co	367 Grove St, St. Paul 1, Minn	
Mo	Minnesota Mining & Mfg Co	10725 Baur Blvd, St. Louis 32, Mo	
NJ	Minnesota Mining & Mfg Co	Ridgefield, NJ	
NY	Minnesota Mining & Mfg Co	330 Greene St, Buffalo 6, NY	
NY	Minnesota Mining & Mfg Co	700 Grand Ave, New York, NY	
NC	Minnesota Mining & Mfg Co	2401 Brevard St, High Point, NC	
Ohio	Minnesota Mining & Mfg Co	4835 Para Dr, Cincinnati 37, Ohio	
Ohio	Minnesota Mining & Mfg Co	12200 Brookpark Rd, Cleveland 30, Ohio	
Pa	Minnesota Mining & Mfg Co	5698 Rising Sun Ave, Philadelphia 20, Pa	
Tex	Minnesota Mining & Mfg Co	2121 Santa Anna Ave, Dallas 28, Tex	
Wash	Minnesota Mining & Mfg Co	3663 First Ave, S., Seattle 4, Wash	
	MINNESOTA MINING & MFG CO MAGNETIC PRODS DIV	**900 Bush Ave, St. Paul 6, Minn**	**PR6-8511**
Alaska	Vern N Smith	Star Rt B, Box 3899 N., Spenard, Alaska	
Cal	Minnesota Mining & Mfg Co	446 N. Labrea Ave, Hollywood 36, Cal	WE1-1289
Cal	Minnesota Mining & Mfg Co	6023 S. Garfield Ave, Los Angeles 22	RA3-6641
Cal	Minnesota Mining & Mfg Co	320 Shaw Rd, S. San Francisco, Cal	PL6-0800
DC	Minnesota Mining & Mfg Co	425-13th St, N.W., Wash 4, DC	NA8-9480
Ga	Minnesota Mining & Mfg Co	732 Ashby St, N.W., Atlanta 18, Ga	TR6-4401
Hawaii	W E MacGeorge	1410 Kapiolani Blvd, Honolulu 14, Hawaii	99-6483
Ill	Minnesota Mining & Mfg Co	6850 Harlem Ave, Bedford Park, Ill	GL8-2200
Mass	Minnesota Mining & Mfg Co	1330 Centre St, Newton Center 59, Mass	DE2-9810
Mich	Minnesota Mining & Mfg Co	411 Piquette, Detroit 2, Mich	TR5-7111
Mich	Minnesota Mining & Mfg Co	815 Monroe Ave, Grand Rapids 4, Mich	GL6-8577
Mo	Minnesota Mining & Mfg Co	10725 Baur Blvd, St. Louis 14, Mo	WY1-1320
NJ	Minnesota Mining & Mfg Co	700 Grand Ave, Ridgefied, NJ	OX5-5520
NY	Minnesota Mining & Mfg Co	330 Greene St, Buffalo 6, New York	BA5214
NC	Minnesota Mining & Mfg Co	2401 Brevard St, High Point, NC	3496
Ohio	Minnesota Mining & Mfg Co	4835 Para Dr, Cincinnati 37, Ohio	EL1-2313
Ohio	Minnesota Mining & Mfg Co	12200 Brook Park Rd, Cleveland 30, Ohio	CL2-4300
Pa	Minnesota Mining & Mfg Co	5698 Rising Sun Ave, Philadelphia 20	PI2-0200
Tex	Minnesota Mining & Mfg Co	2121 Santa Anna Ave, Dallas 28, Tex	DA7-7311
Wash	Minnesota Mining & Mfg Co	3663 First Ave, S., Seattle 4, Wash	MU2-5550
Foreign	MM&M International Sales Office	99 Park Ave, New York 16, NY	OX7-7240
	MINNESOTA RUBBER CO	**3630 Wooddale Ave, Minnpls, Minn**	**WE9-6781**
Cal	Minnesota Rubber Co	3330 Barham Blvd, Hollywood 28, Cal	HO2-0768
Colo	C F L Co	1871 S. Broadway, Denver 9, Colo	SP7-4381
Ill	Minnesota Rubber Co	5604 N. Western Ave, Chicago 45, Ill	AR1-3777
Ill	Minnesota Rubber Co	1505 15th St, Moline, Ill	MO2-7133
Mich	Minnesota Rubber Co	3104 Washington Ave, St. Joseph, Mich	YU3-5198
Mich	Minnesota Rubber Co	P.O. Box 4882, Redford Sta, Detroit, Mich	KE5-6332
Miss	Minnesota Rubber Co	7933 Clayton Rd, St. Louis 17, Mo	PA5-9400
Mo	Minnesota Rubber Co	7933 Clayton Rd, St. Louis 17, Mo	PA5-9400
NY	Minnesota Rubber Co	30 Rose Ct, Buffalo 26, NY	CI0122
NY	Minnesota Rubber Co	8 Riverview Ave, Rutherford, NJ	GE8-2533
Ohio	Minnesota Rubber Co	6188 Pearl Rd, Cleveland 30, Ohio	TU6-0990
Ore	Northwest Industrial Sales Co	213 N.W. 10th Ave, Portland 9, Ore	CA3-1543
Pa	Minnesota Rubber Co	P.O. Box 268, Haddonfield, NJ	HA8-4400
Tex	Triplex Rubber & Supply Co	P.O. Box 7352, Houston 8, Tex	WA6-4481
Wisc	Minnesota Rubber Co	1409 N. 27th St, Milwaukee 8, Wisc	DI2-2307
	MINOR RUBBER CO., INC	**49 Ackerman St, Bloomfield, NJ**	**ED8-6800**
	MINSHALL ORGAN INC	**28 Birge St, Brattleboro, Vt**	**AL4-2391**
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Me	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Mass	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
NH	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
RI	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Vt	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
	MIRATEL INC	**1080 Dionne St, St. Paul, Minn**	**HU8-5536**
	MIRRO ALUMINUM CO	**Manitowoc, Wisc**	**MU4-4421**
Cal	Mirro Aluminum Co	145 King St, San Francisco 7, Cal	YU2-6118
Ill	Mirro Aluminum Co	1129 Merchandise Mart, Chicago 54, Ill	DE7-3083
NY	Mirro Aluminum Co	200 5th Ave, New York 10, NY	OR5-3336
	MISCO PRECISION CASTING CO	**116 W. Gibbs St, Whitehall, Mich**	**TW3-1515**
	MISKELLA INFRA-RED CO., THE	**E. 73rd & Grand Ave, Cleveland 4, Ohio**	**HE1-2210**
	MISSILE-AIR	**1108 W. 135th St, Gardena, Cal**	
	MISSILE SYSTEMS CORP	**11949 Vose St, N. Hollywood, Cal**	**POS-9041**
Ala	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
Conn	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
NY	Russell Associates	165 Orinoco Dr, Brightwaters, NY	MO6-6500
	MISSIMERS INC	**3737 San Fernando Rd, Glendale, Cal**	**CH5-8471**
Cal	Pacific Scientific Co	P.O. Box 22019, Los Angeles 22, Cal	SP3-2020
Cal	Pacific Scientific Co	1950 Fifth Ave, San Diego 1, Cal	BE3-0156
Cal	Pacific Scientific Co	760 Harrison St, San Francisco 7, Cal	DO2-0834
Ore	Pacific Scientific Co	1218 S.E. Seventh Ave, Portland 14, Ore	BE4-9747
Tex	Pacific Scientific Co	702A E. Abram St, Arlington, Tex	CR5-3236
Wash	Pacific Scientific Co	421 Michigan St, Seattle 8, Wash	PA5-7000
	MISSOURI RESEARCH LABS INC	**2109 Locust St, St. Louis 3, Mo**	**CH1-7875**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Bernie Schulman & Associates	Holiday Inn Hotel, Huntsville, Ala	JE2-2422
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
Conn	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Del	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1555
DC	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1555
Me	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Md	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1555
Mass	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Mich	L E Coffm	1375 Hollywood Dr, Grosse Point Woods 36	TU1-3641
Minn	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Nev	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
NH	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
NJ	Lormont Associates	P.O. Box 72, Horsham, Pa	OS5-8133
ND	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Pa	Lormont Associates	P.O. Box 72, Horsham, Pa	
RI	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
SD	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Vt	Gysan Associates	12 Foster St, Wenham, Mass	WA2-5770
Va	F R Jodon Inc	8510 Beech Tree Rd, Washington 14, DC	EM5-1555
Wisc	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
	MITCHELL BAND MFG CORP	**51 Murray St, New York 7, NY**	
	MITCHELL CO., E C	**404 Boston St, Middleton, Mass**	**SP4-1191**
	MITRONICS INC	**1290 Central Ave, Hillside, NJ**	
	MOBAY CHEMICAL CO	**Penn Lincoln Pkwy, W., Pittsburgh, Pa**	**BR9-2700**
Cal	Mobay Chemical Co	6670 E. Flotilla St, Los Angeles 22, Cal	RA3-6019
Mo	Mobay Chemical Co	800 N. Lindbergh Blvd, St. Louis 66, Mo	WY3-1000
NY	Mobay Chemical Co	405 Lexington Ave, New York 17, NY	OX7-8766
Ohio	Mobay Chemical Co	692 E. Market St, Akron 14, Ohio	PO2-0351
	MOBIL ELECTRONICS INC	**1111 State Rd, 67E, Anderson, Ind**	**2-8489**
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville 11, Fla	RA4-0987
NY	Irving Becker	635 E. 14th St, New York 9, NY	PL7-6454
Ohio	M E Tyson	848 Colfax St, Toledo, Ohio	CH6-4060
Ore	Roger M Minthorne	0673 SW Taylor's Ferry Rd, Portland 19	CH6-4556
Pa	H A Goodman	401 W. Mt. Airy Ave, Philadelphia 19, Pa	CH7-7116
	MODEL ENGINEERING & MFG INC	**Huntington, Ind**	**104**
Ark	All South Sales & Engineering	1288 Mayhl Dr, Memphis, Tenn	EX7-5535
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	RE1-3386
Cal	Luscombe Engineering Co	3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal	DI2-7057
DC	Industrial Associates	826 Connecticut Ave, Wash 5, DC	WE8-4543
Fla	John Stephens	501 Magnolia Ave, Orlando, Fla	CH1-5431
Ill	Ralph Roussey & Associates	426 Edgewood Pl, River Forest, Ill	FO9-6523
Ill	Gilbert Calkins	372 Oakwood Ct, Palatine, Ill	FL8-3047
Ind	Ralph Roussey & Associates	426 Edgewood Pl, River Forest, Ill	FO9-6523
Kan	PEM Sales Co	8618 Brookshire Ln, University City,	WY1-1539
Ky	H T Colling Co	3412 Beekman St, Cincinnati, Ohio	KI1-2807
La	All South Sales & Engineering	1288 Mayhl Dr, Memphis, Tenn	EX7-5535
Mich	Steven H Ham	9141 E. Jefferson Ave, Detroit, Mich	PR1-5381
Minn	Mel Foster Agency	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Miss	All South Sales & Engineering	1288 Mayhl Dr, Memphis, Tenn	EX7-5535
MO	PEM Sales Co	8618 Brookshire Ln, University City, Mo	WY1-1539
NJ	Gerard Associates	39 Oxford Rd, Rockville Center, NY	RO4-7231
NJ	Lormont Associates	P.O. Box 72, Horsham, Pa	OS5-8133
NY	Gerard Associates	39 Oxford Rd, Rockville Center, NY	RO4-7231
NY	National One Corp	660 Newbridge Rd, East Meadow, NY	SU1-7802
ND	Mel Foster Agency	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Ohio	Michael Caputo	23806 E. Silsby Rd, Beachwood, Ohio	EV2-3156
Ohio	H T Colling Co	3412 Beekman St, Cincinnati, Ohio	KI1-2807
Okla	Charles Calmes	4315 Shenandoah Ave, Dallas, Tex	LA6-8169
Pa	Lormont Associates	P.O. Box 72, Horsham, Pa	OS5-8133
SD	Mel Foster Agency	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Tenn	All South Sales & Engineering	1288 Mayhl Dr, Memphis, Tenn	EX7-5535
Tex	Charles Calmes	4315 Shenandoah Ave, Dallas, Tex	LA6-8169
Wisc	Mel Foster Agency	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
	MODEL RECTIFIER CORP	**1675 Utica Ave, Brooklyn 34, NY**	**CL8-6800**
	MODELECTRIC PRODUCTS CORP	**1500 Bangs Ave, Asbury Park, NJ**	**PR4-2519**
	MODERN INDUSTRIES INC	**5755 Camille Ave, Culver City, Cal**	**UP0-2020**
Ariz	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood 28, Cal	HO9-6278
Cal	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood 28, Cal	HO9-6278
	MODERN MFG CO., INC	**680 Davisville Rd, Willow Grove 10, Pa**	**OL9-4820**
	MODINE MFG CO	**1500 Dekoven Ave, Racine, Wisc**	**ME3-2411**
	MOELLER INSTRUMENT CO ELECTRONICS DIV	**132nd St, & 89th Ave, Richmond Hill 18, NY**	**VI9-2100**
	MOHAWK WIRE & CABLE CORP	**320 River St, Fitchburg, Mass**	**DI3-3569**
	MOISTURE REGISTER CO	**1510 W. Chestnut St, Alhambra, Cal**	**CU3-3143**
Ala	Southeast Engineers Inc	3606-6th Ave, S., Birmingham 6, Ala	LY2-7201
Alaska	James L Kearns Co	6055 N.E. Glisan, Portland, Ore	BE6-2444
Cal	E S Browning Co	1515 Third St, San Francisco, Cal	DO2-0631
Conn	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
Ga	Southeast Engineers Inc	3606-6th Ave, S., Birmingham 6, Ala	LY2-7201
Ill	Fred A Jensen & Associates	510 N. Dearborn St, Chicago 10, Ill	SU7-3809
La	Edgar Murray Supply Co	232 Canal St, New Orleans 6, La	TU0481
Me	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
Mass	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
Mich	D H Osgood Co	4181 Oakman Blvd, Detroit 4, Mich	TE4-4161
Miss	Edgar Murray Supply Co	232 Canal St, New Orleans 6, La	TU0481

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Mo	W W Thayer Co	7347 Overbrook Dr, St Louis 21, Mo	EV5-7483
NH	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
NY	Marshall Industrial Sales	60 E. 42nd St, New York 17, NY	YU6-3590
NC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Ohio	Merrifield Co	730 Brooks Ave, Cincinnati 15, Ohio	VA1-1338
Ohio	Tru-Line Sales	15017 Detroit Ave, Cleveland 7, Ohio	AC6-4300
Ore	James L Kearns Co	6055 N.E. Glisan, Portland, Ore	BE6-2444
Pa	Wm E Hagan Co	P.O. Box 134, Penndel, Pa	WI5-7126
RI	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
SC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Utah	C H Spencer & Co	210 W. 33rd S., Salt Lake City, Utah	IN6-8683
Vt	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-6008
Va	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Wash	James L Kearns Co	6055 N.E. Glisan, Portland, Ore	BE6-2444
Wisc	Fred A Jensen & Associates	510 N. Dearborn St, Chicago 10, Ill	SU7-3809
	MOLDED FIBERGLASS SHEET CO.	**4308 Benedit Ave, Ashtabula, Ohio**	**WY3-2174**
NJ	Molded Fiber Glass Sheet Co	429 Howe Ave, Passaic, NJ	PR8-0637
	MOLDED INSULATION CO	**335 E. Price St, Philadelphia 44, Pa**	**VI4-2626**
Cal	Bob Lacey & Assoc	123 Center Str, El Segundo, Cal	EA2-4626
	MOLDING CORP OF AMERICA	**42 Church St, Pawtucket, RI**	**PA6-2100**
	MOLECTRONICS CORP	**1717 N. Potrero, S. El Monte, Cal**	**CU3-8101**
Ala	Stanley K Wallace Associates Inc	1120 Montclair Rd, Birmingham, Ala	TR1-8266
Alaska	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	MA2-0412
Ariz	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3455
Ark	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Cal	Harriss-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3455
Conn	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Del	Land-C-Air Sales Co	32 Rittenhouse Pl, Ardmore, Pa	GR7-2725
DC	Land-C-Air Sales Co	201 Epsilon Pl, Annondale, Va	JE3-7310
Fla	Stanley K Wallace Associates Inc	2705 Catalina Dr, Orlando, Fla	GA4-0294
Ga	Stanley K Wallace Associates Inc	2151 Beecher Rd, S.W., Atlanta, Ga	DI7-7631
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3455
Ill	Jerome H Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL2297
Ind	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Iowa	Terwilliger Sales Co	9304 High Dr, Kansas City, Mo	MI9-0188
Kan	Terwilliger Sales Co	9304 High Dr, Kansas City, Mo	MI9-0188
Ky	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
La	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Me	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Md	Land-C-Air Sales Co	201 Epsilon Pl, Annondale, Va	JE3-7310
Mass	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Mich	Edwards-Lohse & Co	1447 Portage Path, E. Lansing, Mich	ED2-8578
Minn	William Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Miss	Stanley K Wallace Associates Inc	1120 Montclair Rd, Birmingham, Ala	TR1-8266
Mo	Terwilliger Sales Co	9304 High Dr, Kansas City, Mo	MI9-0188
Mont	Hyde Electronics	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Terwilliger Sales Co	9304 High Dr, Kansas City, Mo	MI9-0188
Nev	Harriss-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
NH	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
NJ	Land-C-Air Sales Co	328 Springfield Ave, Summit, NJ	CR7-0440
NM	Hyde Electronics Co	5206 Constitution Ave, N.E. Albuquerque	AM8-1111
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NY	Land-C-Air Sales Co	151 Fayette Blvd, Syracuse, NY	GR2-5224
NC	Stanley K Wallace Associates Inc	5621 Murray Hill Rd, Charlotte 3, NC	JA3-6109
ND	William Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Okla	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Ore	Technical Sales Co	1731 1st Ave, Seattle, Wash	MA2-0412
Pa	Land-C-Air Sales Co	32 Rittenhouse Pl, Ardmore, Pa	GR7-2725
Pa	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
RI	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
SC	Stanley K Wallace Associates Inc	5621 Murray Hill Rd, Charlotte 3, NC	JA3-6109
SD	William Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	CA2-2338
Tenn	Stanley K Wallace Associates Inc	638 Rochelle Dr, Nashville, Tenn	VE2-0794
Tex	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City	IN7-5763
Vt	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Va	Land-C-Air Sales Co	201 Epsilon Pl, Annondale, Va	JE3-7310
Wash	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	MA2-0412
W. Va	Edwards-Lohse & Co	2123 E. 9th St, Cleveland, Ohio	TO1-5753
Wisc	Jerome H Kleker Co	177 Sunset Ave, Glen Ellyn, Ill	GL2297
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
	MOLECU-WIRE CORP	**Estoetown-Freehold Rd, Scobeyville, NJ**	**LI2-1200**
Del	Sam Dixon	Barrington, NJ
Idaho	H D Campbell Co	220 Ninth Ave, N. Seattle, Wash
Md	Sam Dixon	Barrington, NJ
NJ	Sam Dixon	Barrington, NJ
NJ	Bud Catb	Manasquan, NJ
NC	Sam Dixon	Barrington, NJ
Ore	H D Campbell Co	220 Ninth Ave, N. Seattle, Wash
Pa	Sam Dixon	Barrington, NJ
SC	Sam Dixon	Barrington, NJ
Va	Sam Dixon	Barrington, NJ
Wash	H D Campbell Co	220 Ninth Ave, N. Seattle, Wash
	MOLE-RICHARDSON CO	**937 N. Sycamore Ave, Hollywood 38, Cal**
	MOLEX PRODUCTS CO	**9515 Southview Ave, Brookfield, Ill**
	MOLLY CORP	**230 N. 5th St, Reading, Pa**	**FR6-7413**
Cal	The Mansergh Co	P.O. Box 1053, Millbrae, Cal
Colo	The Paul R Spencer Co	4000 York St, Denver, Colo
Fla	Perry & Barr Co	P.O. Box 7842, Orlando, Fla
Ill	Nicholas A Fegen	2735 Berwyn Ave, Chicago 25, Ill
Mass	John N Tweedy Co	P.O. Box 426, Dedham, Mass
Minn	G E Swanson Co	P.O. Box 32, Stillwater, Minn
NM	The Paul R Spencer Co	3342 Del Rio Rd, S.W. Albuquerque, NM
NY	L W Apgell Co	11 Warren St, New York 7, NY
Ohio	Joseph P Fegan	3100 Wooster, Rocky River, Ohio
Pa	Earl Hershey	53 Burnside Ave, Norristown, Pa
SC	William I Stone Jr	E. Bridge St, St. Matthews, SC
Tenn	Perry & Barr Co	1717 W. End Ave, Nashville, Tenn
Tex	Felix Watson	National City Bldg, Dallas 1, Tex
Utah	The Paul R Spencer Co	2520 S. State St, Salt Lake City, Utah
Canada	Madison Products Co Ltd	5674 Sherbrooke St, W., Montreal, Que, Canada
Canada	Madison Products Co Ltd	439 Railway St, Vancouver, B C, Canada
	MOLON MOTOR & COIL CORP	**3737 Industrial Ave, Rolling Meadows, Ill**	**CL9-3750**
Ala	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga
Ariz	Universal Electric Co	7543 Santa Monica Blvd, L A 46, Cal	HO4-8157
Ark	Joe M Henry	P.O. Box 3703, Tulsa, Okla	LU5-1234
Cal	Universal Electric Co	7543 Santa Monica Blvd, Los Angeles 46	HO4-8157
Cal	Universal Electric Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Del	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
DC	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Fla	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga
Ill	Comar Electric Co	3349 Addison Ave, Chicago, Ill	JU8-2410
Ind	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
Iowa	George E Harris Co	Merchants Natl Bank Bldg, Cedar Rapids	EM2-6302
Kan	George E Harris Co	3241 E. Douglas Ave, Wichita 8, Kan	MU2-2731
Ky	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
La	Joe M Henry	P.O. Box 3703, Tulsa, Okla	LU5-1234
Me	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Md	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Mass	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Mich	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
Minn	Dale Merrick	2160 E. Geranium, St. Paul, Minn	PR1-4092
Miss	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga
Mo	George E Harris Co	7811 Carondelet, St. Louis 5, Mo	VO3-6550
Mo	George E Harris Co	3527 Broadway, Kansas City, Mo	WE1-4884
Neb	George E Harris Co	Merchants Nat'l Bank, Cedar Rapids, Ia	EM2-6302
NH	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
NJ	Willgold Electronic Sales Corp	P.O. Box 27, Rockville Centre, NY	4-4022
NY	Willgold Electronic Sales Corp	P.O. Box 27, Rockville Centre, NY	4-4022
NY	R W Mitscher Co	487 Ellicott Sq Bldg, Buffalo, NY	WA2517
NC	William E Henry Jr Co	2722 Normandy Rd, Charlotte, NC	FR5-8958
ND	Dale Merrick	2160 E. Geranium, St. Paul, Minn	PR1-4092
Ohio	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland 7	LA1-7268
Ohio	Walter J Brauer & Associates	9071 Old Orchard Dr, Cincinnati 30, Ohio
Okla	Joe M Henry	P.O. Box 3703, Tulsa, Okla	LU5-1234
Pa	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
RI	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
SC	William E Henry Jr Co	2722 Normandy Rd, Charlotte, NC	FR5-8958
SD	Dale Merrick	2160 E. Geranium, St. Paul, Minn	PR1-4092
Tenn	Ralph J Haffey Co	6629 Coldwater Rd, Ft. Wayne, Ind	TR7381
Tex	Joe M Henry	P.O. Box 3703, Tulsa, Okla	LU5-1234
Vt	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Va	William E Henry Jr Co	2722 Normandy Rd, Charlotte, NC	FR5-8958
W. Va	William E Henry Jr Co	2722 Normandy Rd, Charlotte, NC	FR5-8958
Wisc	Dale Merrick	2160 E. Geranium, St. Paul, Minn	PR1-4092
	MOLONEY ELECTRIC CO	**5390 Bircher Blvd, St. Louis 20, Mo**	**EV3-3300**
Cal	Cochrane Electronic Sales Co	544 S. Mariposa Ave, Los Angeles, Cal	DU5-0095
Cal	Allan-Cochrane Co	2215 S. El Camino Real, San Mateo, Cal	FI5-7981
Conn	R H Whitehead & Associates	57 Whitefield St, Guilford, Conn	GL3-3762
Ill	Moloney Electric Co	72 W. Adams St, Chicago 3, Ill	RA6-5007
Ill	Tatro & Associates, Frank B	6022 N. Rogers, Chicago 46, Ill	KE9-4535
Mass	J F Collins Co	P.O. Box 216, Belmont 78, Mass	IV4-8411
Mich	Moloney Electric Co	16929 Wyoming Ave, Detroit, Mich	DI1-1431
Minn	Bergstrom-Verberg Co	632 Midland Bank Bldg, Minneapolis	FE9-0028
NY	Pacent Engineering Corp	300 Northern Blvd, Great Neck, NY	HU2-4678
NY	V J Brown Co	P.O. Box 142, Eastwood Sta, Syracuse 6	HO3-9161
Pa	Moloney Electric Co	105 Forrest Ave, Narberth, Pa	MO4-4492
Pa	Pacent Engineering Corp	119 E. Butler Ave, Ambler, Pa	MI6-0405
Tex	Moloney Electric Co	1205 Fidelity Union Life Bldg, Dallas	RI2-3710
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas, Tex	FL1-9991
Va	Moloney Electric Co	401 Donighan Bldg, Alexandria, Va	TE6-7226
	MONA INDUSTRIES, INC	**Paterson, NJ**	**AR4-8220**
Cal	Mefford Chemical Co	5353 Tillson St, Los Angeles, Cal	AN9-9531
	MONADNOCK MILLS DIV UNITED CARR	**1977 1st Ave, San Leandro, Cal**	**EL7-3700**
Ala	United Carr Fastener Corp	45-11th St, N.E., Atlanta 5, Ga	TR4-3026
Cal	United Carr Fastener Corp	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Ga	United Carr Fastener Corp	45-11th St, N.E., Atlanta 5, Ga	TR4-3026
Ill	United Carr Fastener Corp	35 E. Wacker Dr, Chicago, Ill	FR2-8297
Mass	United Carr Fastener Corp	378 Washington St, Wellesley Hills 81	CE5-7410
Mich	United Carr Fastener Corp	2832 E. Grand Blvd, Detroit, Mich	TR3-9500
NY	United Carr Fastener Corp	475 Fifth Ave, New York, NY	MU5-3932
Tex	United Carr Fastener Corp	1500 Jackson St, Dallas, Tex	RI2-5911
	MONITOR PRODUCTS CO	**815 Fremont Ave, S. Pasadena, Cal**	**MU2-1174**
	MONROE CALCULATING MACHINE CO DIV LITTON INDUSTRIES	**555 Mitchell St, Orange, NJ**
	MONROE INDUSTRIES INC	**932 36th St, S.E., Grand Rapids 8, Mich**	**CH1-3648**
	MONSANTO CHEMICAL CO ELECTRONIC CHEMICAL PROJECT	**800 N. Lindbergh Blvd, St. Louis 66, Mo**	**WY3-1000**
	MONSANTO CHEMICAL CO PLASTICS DIV	**812 Monsanto Ave, Springfield, Mass**	**ST8-6911**
Ala	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Alaska	Monsanto Chemical Co	911 Western Ave, Seattle, Wash	MA2-4203
Ariz	Monsanto Chemical Co	6670 Flotilla, Los Angeles 15, Cal	RA3-2492
Ark	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Cal	Monsanto Chemical Co	6670 Flotilla, Los Angeles 15, Cal	RA3-2492
Colo	Monsanto Chemical Co	Lindberg & Olive St, Rd, St. Louis, Mo	WY3-1000
Conn	Monsanto Chemical Co	812 Monsanto Ave, Springfield, Mass	ST8-6911
Del	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
DC	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Fla	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Ga	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Hawaii	Monsanto Chemical Co	6670 Flotilla, Los Angeles 15, Cal	RA3-2492
Idaho	Monsanto Chemical Co	911 Western Ave, Seattle, Wash	MA2-4203
Ill	Monsanto Chemical Co	520 N. Michigan Ave, Chicago, Ill	WH4-6750
Ind	Monsanto Chemical Co	427 Hanna Bldg, Cleveland, Ohio	SU1-3830
Iowa	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Kan	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Ky	Monsanto Chemical Co	427 Hanna Bldg, Cleveland, Ohio	SU1-3830
La	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Md	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Mich	Monsanto Chemical Co	520 N. Michigan Ave, Chicago, Ill	WH4-6750
Minn	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Miss	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Mo	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Mont	Monsanto Chemical Co	911 Western Ave, Seattle Wash	MA2-4203
Neb	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Nev	Monsanto Chemical Co	6670 Flotilla, Los Angeles 15, Cal	RA3-2492
NJ	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
NM	Monsanto Chemical Co	6670 Flotilla, Los Angeles 15, Cal	RA3-2492
NY	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
NC	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
ND	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Ohio	Monsanto Chemical Co	427 Hanna Bldg, Cleveland, Ohio	SU1-3830
Okla	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Ore	Monsanto Chemical Co	911 Western Ave, Seattle, Wash	MA2-4203
Pa	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
SC	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
SD	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St.Louis, Mo	WY3-1000
Tenn	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Tex	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Utah	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
Va	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Wash	Monsanto Chemical Co	911 Western Ave, Seattle, Wash	MA2-4203
W. Va	Monsanto Chemical Co	445 Park Ave, New York, NY	PL9-8200
Wisc	Monsanto Chemical Co	520 N. Michigan Ave, Chicago, Ill	WH4-6750
Wyo	Monsanto Chemical Co	Lindbergh & Olive St, Rd, St. Louis, Mo	WY3-1000
	MONTGOMERY CO	**20 Canal Bank, Windsor Locks, Conn**	**NA3-3356**
	MONTGOMERY MFG CO	**204 S.Main St, Owensville, Ind**
	MOODY MACHINE PRODUCTS CO., INC	**42-46 Dudley St, Providence, RI**	**GA1-3317**
Ala	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19, Ore
Ariz	Walter Industries	1109 S. Railroad Ave, San Mateo, Cal
Cal	Walter Industries	1109 S. Railroad Ave, San Mateo, Cal
Conn	Frank S Maher	106 Woodlawn St, W. Hartford, 10, Conn
Idaho	Roger M Minthorne Co	0673 S. W. Taylor's Ferry Rd, Portland 19, Ore
Ill	Leo I Zuckert	7532 Churchill St, Morton Grove, Ill
Ind	M E Tyson	848 Colfax St, Toledo 6, Ohio
Iowa	I B Riggs	P.O. Box 7427, N. Kansas City 16, Mo
Kan	I B Riggs	P.O. Box 7427, N. Kansas City 16, Mo
Ky	M E Tyson	848 Colfax St, Toledo 6, Ohio
Me	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn
Mass	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn
Mich	M E Tyson	848 Colfax St, Toledo 6, Ohio
Mo	I B Riggs	P.O. Box 7427, N. Kansas City 16, Mo
Mont	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19, Ore
Neb	I B Riggs	P.O. Box 7427, N. Kansas City 16, Mo
NH	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn
NY	Arthur Mizner	640 Pelham Rd , New Rochelle, NY
Ohio	James Chilcote	636 Nesslewood Ave, Toledo 10, Ohio
Ore	Walter Industries	1109 S. Railroad Ave, San Mateo, Cal
Pa	Weiler-Rahe Co	P.O. Box 212, Worthington, Ohio
RI	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn
Vt	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn
Wash	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland 19, Ore
W. Va	Weiler-Rahe Co	P.O. Box 212, Worthington, Ohio
Wisc	Leo I Zuckert	7532 Churchill St, Morton Grove, Ill
Canada	Len Finkler	1794 Ave Rd, Toronto 12, Ontario, Canada
	MOORADIAN HIGH FREQUENCY LABS	**13 E.Fort Lee Rd, Bogota, NJ**	**DI2-2115**
	MOORE ASSOCIATES INC	**2600 Spring St, Redwood City, Cal**	**EM9-6784**
Ariz	Technical Services Inc	2430 E. Washington, Phoenix, Ariz	BR5-5423
Colo	Kenco Inc	6427 E. Kellogg, Wichita, Kan	MU4-8224
Conn	Provencher Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Del	L C Fuller	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
DC	Wilco	733 15th St, N.W., Washington, DC	EX3-0451
Fla	Arthur H Lynch & Associates	406 Danley Dr, Fort Myers, Fla	WE6-2181
Ill	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
Ind	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
Iowa	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
Kan	Kenco	6427 E. Kellogg, Wichita, Kan	MU4-8224
Me	Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Md	L C Fuller	32 Rittenhouse Pl, Ardmore, Pa	MI2-2468
Mass	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Mich	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
Minn	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
NH	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
NJ	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Technical Services Inc	2430 E. Washington, Phoenix, Ariz	BR5-5423
NY	R S Puleo	5 whittier St, Lynbrook, NY	LY9-4875
Okla	Kemco	1618 W. 6th St, Dallas, Tex	FL1-5900
Pa	L C Fuller	32 Rittenhouse Pl, Ardmore, Pa	MI2-2466
RI	Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Tex	Kemco Inc	1618 W. 6th St, Dallas, Tex	FL1-5900
Vt	Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Va	L C Fuller	32 Rittenhouse Pl, Ardmore, Pa	MI2-2466
Wisc	W L Cunningham & Associates	435 Addison St, Elmhurst, Ill	TE2-0905
Wyo	Automation & Electronics	417 S. Elm St, Casper, Wyo	
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755

	MORAN CO	**721 E.El Segundo Blvd, El Segundo, Cal**	**ORB-3444**
	MORAN INSTRUMENT CORP	**170 E. Orange Grove, Pasadena 3, Cal**	**SY6-7158**
	MORNINGSTAR-PAISLEY INC	**630 W. 51st St, New York 19, NY**	**JU2-3790**
	In All Major Cities Throughout U.S.A. & Canada		
	MORRIS CO., J I	**376 Elm St, Southbridge, Mass**	**P04-4394**
	MORROW RADIO MFG CO	**2794 Market St, Salem, Ore**	**EM3-6952**
	MORSE CO., FRANK W	**354 Congress St, Boston 10, Mass**	**HA6-5398**
	MOSELEY CO., F L	**409 N. Fair Oaks, Pasadena, Cal**	**SY2-1176**
Ala	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix, Ariz	CR4-5431
Ariz	Neely Enterprises	232 S. Tucson Blvd, Tucson, Ariz	MA3-2564
Ark	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood	TR7-0721
Cal	Neely Enterprises	1317 15th St, Sacramento 14, Cal	GI2-8901
Cal	Neely Enterprises	501 Laurel St, San Carlos, Cal	LY1-2626
Cal	Neely Enterprises	1055 Shafter St, San Diego 6, Cal	AC3-8106
Colo	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5666
Del	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Bivins & Caldwell Inc	723 W. Smith St, Orlando, Fla	CH1-1091
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Idaho	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ill	Crossley Associates Inc	2501 W. Peterson Ave, Chicago 45, Ill	BR5-1600
Ind	Crossley Associates Inc	5420 N. College Ave, Indpls 20, Ind	CL1-9255
Iowa	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Iowa	Crossley Associates Inc	2501 W. Peterson Ave, Chicago, Ill	BR5-1600
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Ky	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
La	Earl Lipscomb Associates	P.O. Box 6646, Houston 5, Tex	MO7-2407
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35	BR3-2900
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Miss	Earl Lipscomb Associates	P.O. Box 6646, Houston 5, Tex	MO7-2407
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Mont	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Neb	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Nev	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal	TR7-0721
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NJ	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
NM	Neely Enterprises	6501 Lomas Blvd, N.E., Albuquerque, NM	AL 5-5586
NM	Neely Enterprises	114 S. Water St, Las Cruces, NM	JA6-2486
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NY	Edw A Ossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4340
NY	Edw A Ossmann & Associates	14 9 Front St, Vestal, NY	ST5-0296
NY	Edw A Ossmann & Associates	2363 James St, Syracuse, NY	HE7-8446
NC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
ND	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Ohio	Crossley Associates Inc	2801 Far Hills Ave, Dayton 19, Ohio	AX9-3594
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Okla	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Ore	Arva Inc	1238 N.W. Glisan, Portland 9, Ore	CA2-7337
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 35, Pa	TU4-3425
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
RI	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
SC	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
SD	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Tenn	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	2-6873
Tex	Earl Lipscomb Associates	P.O. Box 7084, Dallas, Tex	FL7-1881
Utah	Lahana & Co	1482 Major St, Salt Lake City 15, Utah	HU6-8166
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 35, Pa	TU4-3425
Wisc	Crossley Associates	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Wisc	Crossley Associates	2501 W. Peterson Ave, Chicago 45, Ill	BR5-1600
Wyo	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Foreign	Frathom Co., Inc	33 W. 42nd St, New York 36, NY	BR9-9422

	MOSER JEWEL CO	**Perth Amboy, NJ**	
	MOSINEE PAPER MILLS CO	**Mosinee, Wisc**	**OX3-2111**
Conn	W W Smith	Bedford & Fourth, Stamford, Conn	DA3-1450
Ill	E J Rolain	2114 Tribune Tower, Chicago 11, Ill	SU7-8643
Pa	S C Gordon	345 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-8515
	MOSLEY ELECTRONICS INC	**4610 N.Lindbergh Blvd, Bridgeton, Mo**	**PE1-3036**
Ala	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Alaska	Ron Merritt Co	1320 Prospect St, Seattle 9, Washington	MU2-7337
Ariz	Harry A Moore Sales Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-0060
Ark	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	F W Moulthrop Co	575 Tenth St, San Francisco 3, Cal	MA1-0722
Cal	Bassett & Moore	12045 Magnolia Blvd, N. Hollywood, Cal	TR7-7129
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Del	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
DC	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Ga	Cartwright & Bean	3223 Cam's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu, Hawaii	
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Idaho	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Ill	Al Quackenbush	605 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis 19	FL9-5374
Iowa	H W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	A R Thibau Co	Manufacturers Exch Bldg, Kansas City, Mo	VI2-7057
Ky	M E Tyson Co	848 Colfax St, Toledo 6, Ohio	CH6-4060
Ky	R O Whitesell & Associates	6620 E. Wash St, Indianapolis 19, Ind	FL9-5374
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Me	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-9280
Md	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-9280
Mich	Wayne Beitel Co	13209 Fenkell, Detroit 27, Mich	VE8-9100
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
Miss	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Mo	A R Thibau Co	Manufacturers Exch Bldg, Kansas City 5	VI2-7057
Mo	H W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	A R Thibau Co	Manufacturers Exch Bldg, Kansas City, Mo	VI2-7057
Nev	F W Moulthrop Co	575 Tenth St, San Francisco 3, Cal	MA1-0722
NH	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
NJ	Jack M Gutzeit & Associates	75-02 168th St, Flushing 66, NY	OL8-4385
NJ	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Jack M Gutzeit & Associates	75-02 168th St, Flushing 66, NY	OL8-4385
NY	Paston-Hunter Co	P.O. Box 123, Dewitt Sta, Syracuse, NY	GI6-2180
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
ND	Nick J Laub Co	3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
Ohio	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Okla	Tom Spivey Co	7547 Wilmerdean, Houston 17, Tex	MI9-1221
Ore	Ron Merritt Co	1238 N.W. Glisan, Portland 9, Ore	CA2-7337
Pa	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
Pa	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
RI	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
SC	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
SD	Nick J Laub Co	3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis 4, Tenn	BR5-1914
Tex	Tom Spivey Co	7547 Wilmerdean, Houston 17, Tex	MI9-1221
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Va	Eugene L Park Jr	651 Paddock Rd, Southampton, Pa	EL7-7805
Wash	Ron Merritt Co	E. 127 Augusta Ave, Spokane 10, Wash	FA5-2557
W. Va	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Wisc	Al Quackenbush	605 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Wisc	Nick J Laub Co	3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	Robert J Buckland Co	P.O. Box 563, Chatham, Ontario, Canada	EL4-3106
Foreign	Mosley Export Dept	15 Moore St, New York 4, NY	BO9-6272
Foreign	**Mosley Electronics Ltd**	**15 Reepham Rd, Norwich, Norfolk, England**	
	MOSSMAN INC., DONALD P	**P. O. Box 265, Brewster, NY**	**BR9-3725**
Ala	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Ariz	Mossman-Pacific Inc	776 W. Front St, Covina, Cal	ED9-1326
Cal	Mossman-Pacific Inc	776 W. Front St, Covina, Cal	ED9-1326
Cal	C W Mauldin Co	441 W. Cal Ave, Palo Alto, Cal	DA6-5291
Colo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1371
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
Fla	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Ga	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Me	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Mich	Ralph D Ernest Associates	12818 Puritan Ave, Detroit 27, Mich	UN1-7311
Miss	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
NH	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	Edward A Brunner	550 Fifth Ave, New York, NY	PL7-5974
NM	Mossman-Pacific Inc	776 W. Front St, Covina, Cal	ED9-1326
NY	Edward A Brunner	550 Fifth Ave, New York, NY	PL7-5974
NC	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Ohio	Servisales Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-0054
Pa	Servisales Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-0054
RI	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
SC	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Tenn	B S Woodman	P.O. Box 12242, Atlanta 5, Ga	CE3-9761
Utah	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1371
Vt	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Canada	Burlec Sales Ltd	45 Northline Rd, Toronto 16, Canada	PL5-3377
	MOTORDYNE INC	**2661 S. Myrtle Ave, Monrovia, Cal**	**HI6-2121**
Cal	Jerry Deere	1575 Laurel, San Carlos, Cal	
Fla	Don Phelps	1401 Ceylon Dr, Orlando, Fla	
Ill	Gormak Co	7001 N. Clark, Chicago, Ill	
NY	Wally Shalan & Co	880 Bergen Ave, Jersey City, NJ	
	MOTORESEARCH CO	**1405 16th St, Racine, Wisc**	**ME2-5131**
Ala	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
Ark	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
Conn	Alexander Norden	Box 131, Jamaica Plain, Mass	LA3-6681
Del	Henry C C Shute	61 Steeplechase Rd, Devon, Pa	MU8-2732
DC	Henry C C Shute	61 Steeplechase Rd, Devon, Pa	MU8-2732
Ga	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
Ill	S E Gorski	801 Wolff St, Racine, Wisc	ME2-3175
Ind	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
Ky	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
La	Corwin Associates	1210 Old Gate Ln, Dallas, Tex	DA1-2800
Me	Alexander Norden	Box 13, Jamaica Plain, Mass	LA3-6681
Md	Henry C C Shute	61 Steeplechase Rd, Devon, Pa	MU8-2732
Mass	Alexander Norden	Box 13, Jamaica Plain, Mass	LA3-6681

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	H D Mysing	18540 W. McNichols, Detroit, Mich	KE7-5460
Miss	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
NH	Alexander Norden	Box 13, Jamaica Plain, Mass	LA3-6681
NJ	Henry C C Shute	61 Steeplechase Rd, Devon, Pa	MU8-2732
Ohio	A M Hanson	500 Cushing Ave, Dayton, Ohio	AX3-3602
Pa	Henry C C Shute	61 Steeplechase Rd, Devon, Pa	MU8-2732
RI	Alexander Norden	Box 13, Jamaica Plain, Mass	LA3-6681
SC	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
Tenn	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
Tex	Corwin Associates	1210 Old Gate Ln, Dallas, Tex	DA1-2800
Vt	Alexander Norden	Box 13, Jamaica Plain, Mass	LA3-6681
Wisc	S E Gorski	801 Wolff St, Racine, Wisc	ME2-3175
	MOTOR GENERATOR CORP AFFILIATE HOBART BROS CO	**W. Water St at Jackson, Troy, Ohio**	**PE2-1223**
Ala	General Machinery Co	1800 Second Ave, S., Birmingham 3, Ala	AL1-9243
Ala	Post Welding Supply Co	1300 Seventh Ave, N., Birmingham, Ala	FA2-8604
Ariz	Toncray Equipment Co	213 N. 1st Ave, Phoenix, Ariz	AL4-1383
Cal	Fred Pelletier Co	3436 San Fernando Rd, Los Angeles 65	CL4-2544
Cal	McCormick-Morgan Co	324 Fifth St, San Francisco 7, Cal	SU1-6591
Cal	F T Butler	722 Fern Glen, La Jolla, Cal	GL4-6757
Colo	Toncray Equipment Co	1732 Blake St, Denver 2, Colo	CH4-1102
Conn	Hobart Welder Sales & Service	107 Botsford Pl, Buffalo 16, NY	DE7878
Conn	ERP Associates	Box 23, Fayetteville, NY	CH6690
Conn	MGC Associates	88-25 138 St, Jamaica 35, NY	AX1-7373
Del	Hobart Welder & Equipment Corp	55 & Walnut Sts, Philadelphia 39, Pa	
Del	Weber Welding Supply Co	5108 Liberty Ave, Pittsburgh, Pa	
DC	Hobart Welder Sales Co	2709 E. Foster Ave, Baltimore, Md	BR6-5491
Fla	Charles E Singleton	Box 6254, Jacksonville, Fla	EV8-6390
Fla	MGC Associates of Florida Inc	4801 N.W. 36th Ave, Miami 42, Fla	NE3-2862
Ga	Mark C Pope Associates	P.O. Box 12003, Atlanta 5, Ga	CE3-3790
Hawaii	Von-Hamm-Young Co Ltd	P.O. Box 2630, Honolulu 3, Hawaii	
Ill	H K Miller Inc	7426 S. Halsted St, Chicago, Ill	HU3-5640
Kan	Robert M Ash	5358 Buena Vista, Kansas City, Kan	SK1-2446
Kan	Allen Welding Equipment Co	1129-31 N. Mosley, Wichita 1, Kan	HO4-6376
Md	Hobart Welder Sales Co	2709 E. Foster Ave, Baltimore 24, Md	BR6-5491
Mass	Welders Supply Co., Inc	351 Vassar St, Cambridge, Mass	KI7-4100
Mass	Welders Supply Co	28 B St, South Boston, Mass	AN8-3604
Mich	Roy Smith Co	5257 Trumbull Ave, Detroit, Mich	TY7-2011
Minn	Hobart Welder Sales & Service	106 Glenwood Ave, Minneapolis, Minn	FE5-4224
Mo	McDonald & Wilson Sales Co	3001 N. Union Blvd, St. Louis 15, Mo	EV3-1941
NJ	Hobart Welder Sales & Service	107 Botsford Pl, Buffalo 16, NY	DE7878
NJ	ERP Associates	Box 23, Fayetteville, NY	CH6690
NJ	MGC Associates	88-25 138 St, Jamaica 35, NY	AX1-7373
NJ	Hobart Welder & Equipment Corp	55 & Walnut Sts, Philadelphia 39, Pa	
NJ	Weber Welding Supply Co	5108 Liberty Ave, Pittsburgh, Pa	
NY	Hobart Welder Sales & Service	107 Botsford Pl, Buffalo 16, NY	DE7878
NY	ERP Associates	Box 23, Fayetteville, NY	CH6690
NY	MGC Associates Inc	88-25-138th St, Jamaica 35, NY	AX1-7373
NC	William G Baynard	1811 Sterling Rd, Charlotte 9, NC	FR5-1240
Ohio	Baker Welding Supply	3349 Montgomery Rd, Cincinnati 7, Ohio	WO1-6904
Ohio	Wolfenden Welding Supplies Inc	3500 Prospect Ave, Cleveland 15, Ohio	UT1-9282
Pa	Hobart Welder & Equipment Corp	55th & Walnut Sts, Philadelphia 39, Pa	GR6-6550
Pa	Weber Welding Supply Co	5108 Liberty Ave, Pittsburgh, Pa	MA1-5230
RI	Welders Supply Co., Inc	351 Vassar St, Cambridge, Mass	KI7-4100
RI	Welders Supply Co	28 B St, S. Boston, Mass	AN8-3604
SC	Mark C Pope Associates	Box 12003, Atlanta 5, Ga	CE3-3790
Tex	O H Van Horn Co., Inc	451 S. Main St, Ft. Worth, Tex	ED4484
Utah	Toncray Equipment Co	1347 S. 17th, E., Salt Lake City 8, Utah	IN6-9186
Wash	Industrial Products Co	2911 First Ave, S., Seattle 4, Wash	MA2-7488
Wisc	Acme Inc	619 S. 70th St, Milwaukee 14, Wisc	GL3-5520
Foreign	Aviquipo Inc	90 Broad St, New York 4, NY	WH3-6580
	MOTOROLA COMMUNICATIONS & ELECTRONICS INC	**4501 Augusta Blvd, Chicago 51, Ill**	**SP2-6500**
	MOTOROLA INC SEMICONDUCTOR PRODUCTS DIV	**5005 E.McDowell Rd, Phoenix, Ariz**	**BR5-4411**
Cal	Motorola	1741 Ivar Ave, Hollywood, Cal	HO2-0821
Ill	Motorola	5234 W. Diversey Ave, Chicago 39, Ill	AV2-4300
Mich	F G Meyer, G Schafer	13131 Lyndon Ave, Detroit 27, Mich	BR3-7171
Minn	Harold F Ornsager	7731 6th Ave, N., Minneapolis, Minn	LI5-2198
NJ	Motorola	1051 Bloomfield Ave, Clifton, NJ	GR2-5300
Foreign	Motorola International S A	4545 W. Augusta Blvd, Chicago 51, Ill	SP2-6500
	MOULIC SPECIALTIES CO	**1007 W. Washington St, Bloomington, Ill**	**6-1235**
	MT. VERNON PRECISION TRANSFORMER CO	**47 S. 3rd Ave, Mt. Vernon, NY**	
	MOXNESS PRODUCTS INC	**1916 Indiana St, Racine, Wisc**	**ME7-4425**
Ariz	Hasket Seals	1236 S. Central Ave, Glendale 4, Cal	
Ark	Gordon V Peck	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Cal	Hasket Seals	1236 S. Central Ave, Glendale 4, Cal	
Conn	Insulating Fabricators, New England, Inc	69 Grove St, Watertown 72, Mass	WA3-9800
Conn	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ	WE9-7392
Del	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ	WE9-7392
DC	J Nails & Associates	1411 Pennsylvania Ave, N.W., Washington 4, DC	
Fla	R Diethert Co	Box 510, Gastonia, NC	UN5-3771
Ill	Russ Diethert Co	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	LO1-7495
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	LO1-7495
Ky	Insulating Components Co	1250 Stadium Dr, Indianapolis 7, Ind	
La	Gordon V Peck	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Me	Insulating Fabricators of New Eng Inc	69 Grove St, Watertown, Mass	WA3-9800
Md	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ	WE9-7392
Mass	Insulating Fabricators of New Eng Inc	69 Grove St, Watertown, Mass	WA3-9800
Mich	T B McLaughlin	General Motors Bldg, Detroit, Mich	
Mich	A N Williams	3258 Rogue River Rd, Belmont, Mich	EM1-5494
Minn	Fred B Hill	6110 Excelsior Blvd, Minneapolis 16, Minn	
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	LO1-7495
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	LO1-7495

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Nev	Haskel Seals	1236 S. Central Ave, Glendale 4, Cal
NH	Insulating Fabricators of New Eng Inc	69 Grove St, Watertown 72, Mass
NJ	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ
NY	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ
NC	R Diethert Co	Box 510, Gastonia, NC
ND	Fred B Hill	6110 Excelsior Blvd, Minneapolis 16, Minn
Ohio	Harry G Lake	384 W. First St, Dayton 2, Ohio
Okla	Gordon V Peck	130 Casa Linda Plaza, Dallas 18, Tex
Pa	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ
RI	Insulating Fabricators of New Eng	69 Grove St, Watertown 72, Mass
SC	R Diethert Co	P.O. Box 510, Gastonia, NC
SD	F B Hill	6110 Excelsior Blvd, Minneapolis 16, Minn
Tenn	R Diethert Co	P.O. Box 510, Gastonia, NC
Tex	Gordon V Peck	130 Casa Linda Plaza, Dallas 18, Tex
Vt	Insulating Fabricators of New Eng	69 Grove St, Watertown 72, Mass
Va	R Diethert Co	P.O.Box 510, Gastonia, NC
W. Va	Insulating Fabricators Inc	150 Union Ave, E. Rutherford, NJ
Wisc	R Diethert Co	1324 W. Wisconsin Ave, Milwaukee, Wisc

	MOYEN CO., C P	**8157 Monticello Ave, Skokie, Ill** — **OR3-6866**

	MUCKLE MFG CO	**Prinzing Rd, Owatonna, Minn** — **7249**
Cal	Geo Woodcock Co	813 N. LaBrea Ave, Los Angeles, Cal
Cal	The Ballard Co	407 Sansome St, San Francisco, Cal
Conn	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
Ill	Protective Packaging Co	3116 W. Devon, Chicago, Ill
Ind	Protective Packaging Co	3116 W. Devon, Chicago, Ill
Iowa	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Kan	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Me	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
Md	Leonard Barol Associates	1502 Finance Bldg, Phila, Pa
Mass	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
Mich	R M Reutlinger & Associates	Hulman Bldg, Dayton, Ohio
Minn	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Mo	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Neb	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
NH	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
NJ	Leonard Barol Associates	1502 Finance Bldg, Phila, Pa
NY	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
ND	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Ohio	R M Reutlinger & Associates	Hulman Bldg, Dayton, Ohio
Okla	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Ore	Packaging Commodities	6205 13th Ave, S., Seattle 8, Wash
Pa	Leonard Barol Associates	1502 Finance Bldg, Phila, Pa
RI	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
SD	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn
Vt	Wm Diemer & Co., Inc	107-30 Continental, Forest Hills, NY
Va	Leonard Barol Associates	1502 Finance Bldg, Phila, Pa
Wash	Packaging Commodities	6205 13th Ave, S., Seattle 8, Wash
W. Va	Leonard Barol Associates	1502 Finance Bldg, Phila, Pa
Wisc	Allied Commodities Co	5601 W. Lake St, Minneapolis, Minn

	MUCON CORP	**9 St. Francis St, Newark 5, NJ** — **MI2-1476**

	MUELLER ELECTRIC CO	**1582H E. 31st St, Cleveland 14, Ohio** — **PR1-5225**
Cal	Harry E Marshall	104 Olive St, San Francisco, Cal
Colo	L B Putnam	2013 Welton, Denver, Colo
Fla	Cartwright & Bean	4525 S. Lois Ave, Tampa, Fla
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga
Ill	LeRoy W Beier Co	6518 W. North Ave, Chicago, Ill
Minn	Arch S Miller & Son	6608 17th Ave, S., Minneapolis, Minn
Mo	F C Somers & Co	500 Davidson Bldg, Kansas City, Mo
NY	Ben Joseph Associates	43 S. Middleneck Rd, Great Neck, NY
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn
Tex	Sanders-Willis Co	500 Professional Bldg, Waco, Tex
Canada	W H Cooper & Co	1103 Yonge St, Toronto, Canada

	MUELLER LABORATORY	**1052-1058 N. Allen Ave, Pasadena, Cal** — **SY7-0909**

	MUIRHEAD & CO., LIMITED	**Beckenham, Kent, England**
NY	Muirhead Instruments Inc	441 Lexington Ave, New York 17, NY

	MUIRHEAD OVERSEAS LIMITED	**Mullard House, Torrington Pl, London W.C. 1, England** — **LA6633**
NY	International Electronics Corp	81 Spring St, New York 12, NY

	MULLARD EQUIPMENT LIMITED	**Torrington Pl, London, W.C. 1, England**

	MULLENBACH DIV ELECTRIC MACHINERY MFG CO	**2100 E. 27 St, Los Angeles 58, Cal** — **LU2-5331**

	MULTI-AMP ELECTRONIC CORP	**467A Lehigh Ave, Union, NJ** — **MU8-7112**

	MULTICORE SALES CORP	**80 Shore Rd, Pt. Washington, NY** — **PO7-7700**
	Sales Representatives: See Garrard Sales Corp	

	MULTI-PRODUCTS CO	**21470 Coolidge Hwy, Oak Park, Mich** — **JO6-2377**
Cal	Will Connelly	P.O. Box 485, LaMirada, Cal
Fla	Richard Ross	1199 S.E. 17th St, Ft Lauderdale, Fla
Ind	Enos Crull	P.O. Box 66, Port Huron, Mich — YU2-1528
Kan	W E Fry Co	406 W. 34th St, Kansas City 11, Mo — JE1-5236
La	George L Bacon	301 Dodge Pl, Port Arthur, Tex — YU2-5184
Mo	W E Fry Co	406 W. 34th St, Kansas City 11, Mo — JE1-5236
Ohio	Enos Crull	P.O. Box 66, Port Huron, Mich — YU2-1528
Tex	George L Bacon	301 Dodge Pl, Port Arthur, Tex — YU2-5184
Foreign	Denrad Export Co	23 E. 26th St, New York 10, NY

	MULTITONE OF CANADA LTD	**130 Merton St, Toronto 7, Canada** — **HU1-0731**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Foreign	Multitone Electric Co Ltd	12 Underwood St, London N1, England — CL8022

	MUNDT & SONS, CHARLES	**53 Fairmont Ave, Jersey City 4, NJ** — **DE3-6200**

	MUNSTON ELECTRONIC MFG CORP	**Beech St, Islip, NY** — **JU1-3900**

	MURDOCK CORP	**158 Carter St, Chelsea, Mass** — **TU4-0076**
Cal	Hoyjax Co	436 Colyton, Los Angeles 13, Cal
Cal	Keeler White Co	615 Seventh St, San Francisco
Ga	L Morris Landers Co	651 Spring St, S.W., Atlanta, Ga
Ill	R D Catellier Inc	4908 W. Fullerton Ave, Chicago 7, Ill — BE7-6460
NY	W J Wickenheiser Co	600 W. 18 St, New York 33, NY
NY	F Walter Laver	115 Arlington Rd, Utica 3, NY
Wash	Keeler White Co	1041 Sixth Ave, S., Seattle 4, Wash
Wisc	A W Schwind Co	324 S. Second St, Milwaukee 4, Wisc

	MUREX LIMITED	**Rainham, Essex, England** — **RA3322**

	MURPHY & MILLER INC	**612 W. Taylor St, Chicago 7, Ill** — **HA7-8900**
Ala	S S Lee Associates Inc	Utilities Bldg, Huntsville, Ala
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz
Cal	G B Miller Co	1550 N. Highland Ave, Hollywood, Cal
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn
Del	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md
Fla	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla
Ga	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla
Idaho	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo
Ind	Earl Dresbach	7801 N. College Ave, Indianapolis 20, Ind
Ky	Earl Dresbach	7801 N. College Ave, Indianapolis 20, Ind
Me	Technical Instruments Inc	90 Main St, Reading, Pa
Md	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md
Mass	Technical Instruments Inc	90 Main St, Reading, Mass
Mich	M P Odell Co	10531 W. Mckichols Rd, Detroit 21, Mich
Nev	Brooks Feeger & Associates	478 N. Scottsdale Ave, Scottsdale, Ariz
NH	Technical Instruments Inc	90 Main St, Reading, Mass
NJ	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ
NM	Brooks Feeger & Associates	1122-C San Mateo, S.E. Albuquerque, NM
NY	Technical Instruments Inc	90 Main St Reading, Mass
NY	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ
NC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio
Ore	Stanley Enterprises	127 River St, Seattle 8, Wash
Pa	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio
Pa	V A Snyder Co., Inc	2165 Morris Ave, Union, NJ
RI	Technical Instruments Inc	90 Main St, Reading, Mass
SC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC
Tenn	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC
Utah	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo
Vt	Technical Instruments Inc	90 Main St, Reading, Mass
Va	S S Lee Associates Inc	718 W. Smith Ave, Orlando, Fla
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash
W. Va	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio
Wyo	Brooks Feeger & Associates	1122-C San Mateo, S.E., Albuquerque, NM

	MURRAY MFG CORP	**1250 Atlantic Ave, Brooklyn 16, NY** — **PR1-8000**
Ala	Griffin & Griffin	1185 Howell Mill Rd, N.W., Atlanta, Ga
Ariz	Jack Murphy Co	1901 4th Ave, San Diego, Cal
Cal	Frank B Murray	826 Traction Ave, Los Angeles, Cal
Colo	Gaer Sales Co	1625 W. 12th Ave, Denver 4, Colo
Conn	William J Buckley	345 W. Morgan Ave, Bridgeport 4, Conn
Del	John F Schanne	3635 Ludlow St, Philadelphia, Pa
DC	Arthur W Murray	10207 Greenfield St, Kensington, Md
Fla	John R Collins Inc	P.O. Box 26, Tampa, Fla
Ga	Griffin & Griffin	1185 Howell Mill Rd, N.W., Atlanta, Ga
Idaho	Gaer Sales Co	1625 W. 12th Ave, Denver 4, Colo
Ill	Jack Brody	2118 S. Ashland Ave, Chicago, Ill
Ind	Arthur L Ehlers Co	1031 Meta Dr, Cincinnati, Ohio
Iowa	Jack Brody	2118 S. Ashland Ave, Chicago, Ill
Kan	Russell L Stewart	8815 Highland, Kansas City, Mo
Ky	Arthur L Ehlers Co	1031 Meta Dr, Cincinnati, Ohio
Me	James A Bocelia	15 Flanders Rd, Belmont 78, Mass
Md	John F Schanne	3635 Ludlow St, Philadelphia, Pa
Mass	James A Bocelia	15 Flanders Rd, Belmont 78, Mass
Mich	Howard L Linder Elec Sales Co	3911 Joy Rd, Detroit 6, Mich
Minn	Morton & Cook Co	3219 Penn Ave, N., Minneapolis, Minn
Mo	M H Smith & Co	9216 Clayton Rd, St. Louis 24, Mo
Neb	Russell L Stewart	8815 Highland, Kansas City, Mo
Nev	Ernst F Hauch Co	P.O. Box 1122, San Francisco 3, Cal
NH	James A Bocelia	15 Flanders Rd, Belmont 78, Mass
NJ	Thomas D McCrink	45 Gary Ave, Spring Lake Heights, NJ
NM	Gaer Sales Co	1625 W. 12th St, Denver 4, Colo
NY	Vincent D Dunn	86 Prospect Park W., Brooklyn, NY
NC	Lewis J Crews	1725 Arlington Rd, Richmond, Va
ND	Morton & Cook Co	3219 Penn Ave, N., Minneapolis, Minn
Ohio	The Kilkenny Co	1729 Superior Ave, N.W., Cleveland 14
Okla	Peabody Brothers	2903 St. Louis St, Dallas, Tex
Ore	Northwest Sales Co	1603 N.W. Johnson St, Portland, Ore
Pa	John F Schanne	3635 Ludlow St, Philadelphia, Pa
RI	William J Buckley	345 W. Morgan Ave, Bridgeport 4, Conn
SC	Lewis J Crews	1725 Arlington Rd, Richmond, Va
SD	Morton & Cook Co	3219 Penn Ave, N., Minneapolis, Minn
Tenn	Townes & Co	710 6th Ave, S., Nashville, Tenn
Tex	Peabody Brothers	2903 St. Louis St, Dallas, Tex
Utah	Gaer Sales Co	1625 W. 12th Ave, Denver 4, Colo
Vt	James A Bocelia	15 Flanders Rd, Belmont 78, Mass
Va	Lewis J Crews	1725 Arlington Rd, Richmond, Va
Wash	Northwest Sales Co	1603 N.W. Johnson St, Portland, Ore
W. Va	A J Noce & Associates	2 Old Clairton Rd, Pittsburgh, Pa
Wisc	Morton & Cook Co	3219 Pennsylvania Ave, N., Minneapolis
Wyo	Gaer Sales Co	1625 W. 12th Ave, Denver 4, Colo
Foreign	Electrical Mfg'rs Export Co	61 Broadway, New York, NY

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	MURRAY PLASTICS CO	**River Rd, New Hamburg, NY** — **AX7-2943**

	MURRAY-WAY CORP	**2545 Maple Rd, Birmingham, Mich** — **JO4-6890**
Cal	The Olsen Co	5341 Santa Monica Blvd, Los Angeles, Cal
Conn	Giebel Inc	152 Temple St, New Haven 10, Conn
Ill	The Stutz Co	4450 W. Carroll Ave, Chicago 24, Ill
Ky	N C McCune	2327 Manchester Rd, Louisville 5, Ky
Mich	Coon-Simonds Associates	548 Mechanic St, Jackson, Mich
Minn	Tool Supply Co	2518 University Ave, S.E., Minneapolis 14
NY	Giebel Inc	250 W. 57th St, New York 19, NY
Ohio	Wilson Supply Co	2441 Woodhill Rd, Cleveland 4, Ohio
Pa	Don S Grove Co	Union St Extension, Pittsburgh 23, Pa
Tex	Nicholas & Parks Machinery Co	2600 Commerce St, Dallas 22, Tex
Foreign	Aktiebolaget Nichels & Todsen	Blaieholmstorg 9, Stockholm 16, Sweden
Foreign	Automation Ltd	Devonshire House, London S.W. 11, England
Foreign	Automatic Plating Equip Ltd	306 Little Collins St, Melbourne C.I. Australia
Canada	W Orlick Ltd	35 Glen Rd, Hamilton, Ontario, Canada

	MUTER CO	**1255 S. Michigan Ave, Chicago 5, Ill** — **WA2-8800**
Cal	Charles A Hansen	1406 S. Grand Ave, Los Angeles 15, Cal
Conn	Michael H Sullivan	1519 River St, Boston 36, Mass
Del	Floyd W Churchill	P.O. Box 43, Haddonfield, NJ
Ind	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20
Ky	Morris-Cunningham & Associates	6208 N. College Ave, Indianapolis 20
Me	Michael H Sullivan	1519 River St, Boston 36, Mass
Md	Floyd W Churchill	Box 43, Haddonfield, NJ
Mass	Michael H Sullivan	1519 River St, Boston 36, Mass
NH	Michael H Sullivan	1519 River St, Boston 36, Mass
NJ	Floyd W Churchill	Box 43, Haddonfield, NJ
NY	George J Gaw	57 South Ave, Brockport, NY
NC	Floyd W Churchill	Box 43, Haddonfield, NJ
Pa	Floyd W Churchill	Box 43, Haddonfield, NJ
RI	Michael H Sullivan	1519 River St, Boston 36, Mass
Vt	Michael H Sullivan	1519 River St, Boston 36, Mass
Va	Floyd W Churchill	Box 43, Haddonfield, NJ

	MUTRON CORP	**125 Perkins Ave, Brockton, Mass** — **JU3-0033**

	MYCALEX CORP OF AMERICA	**125 Clifton Blvd, Clifton, NJ** — **PR9-8866**
Ohio	Harry G Lake	384 W. First St, Dayton 2, Ohio — BA4-3122

	MYCALEX ELECTRONICS CORP	**125 Clifton Blvd, Clifton, NJ** — **PR9-8866**

	MYCALEX TUBE SOCKET CORP	**125 Clifton Blvd, Clifton, NY** — **PR9-8866**

	MYERS & SONS INC., E A	**Valley Brook Rd, Canonsburg, Pa** — **WI-9000**

	MYKROY INC	**645 Wheeling Rd, Wheeling, Ill** — **LE7-0280**
Minn	Jack Herman Co	Hawthorne Dr, Minneapolis, Minn

	MYSTIK ADHESIVE PRODUCTS INC	**2635 N. Kildare, Chicago, Ill** — **SP2-1600**
Ala	Specialty Sales Corp	3581 Dial Dr, Stone Mountain, Ga
Ariz	Gordon L Williams	133 E. Pomona Rd, Phoenix, Ariz
Cal	Mystik Tape Products of Cal	1485 Bayshore Blvd, San Francisco, Cal
Cal	Mystik Tape Products of Cal	5340 Bellaire Ave, N. Hollywood, Cal
Colo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo
Conn	Dudley O Donnelly	630 W. Main St, Cheshire, Conn
Fla	Edward M Preston	18801 N.W. 19th Ave, N. Miami, Fla
Ga	Specialty Sales Corp	6851 Caballero Dr, Jacksonville, Fla
Ill	Mystik Tape Distrib	223 W. Erie St, Chicago 10, Ill
Ill	Bert T Lottus	5555 Sheridan Rd, Chicago, Ill
Ind	Robert L Logee	2522 Edison Ave, South Bend 15, Ind
Ky	Mystik Tape Products	Box 138-B, Rt 6, Louisville, Ky
Ky	Ted Hattener	411 Springwood Ln, Louisville, Ky
Mass	Leonard H Russell	1361 South St, Needham 92, Mass
Md	Mystik Adhesive Products Inc	411 E. 25th St, Baltimore 18, Md
Md	Ed Heurg	1208 St. Andrews Way, Baltimore 12, Md
Mich	Mystic Adhesive Products Inc	15847-49 Schoolcraft Ave, Detroit 27
Mich	Donald J Tobin	18470 Lancashire, Detroit 23, Mich
Minn	Mystik Tape Distributor of Minn	3424 E. Lake St, Minneapolis, Minn
Mo	Mystik Adhesive Products Inc	406 E. 109th St, Kansas City 31, Mo
NY	Wm C Brandt	445 Summit Ave, Carlstadt, NJ
NC	George H Glass Jr	1909 Woodland Ave, Burlington, NC
Ohio	George R Lundberg	619 Albin Ave, Washington Court House
Ohio	Buzz Gaiz	4262 Wayburn, Detroit 23, Mich
Pa	Mystik Tape Products of Phila	State Rd at Township Line, Drexel Hill
Tex	Hugh W Vestal	306 Lundale Ln, Richardson, Tex
Utah	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo
Wash	Mystik Tape Products of the Northwest	1516 W. 51st St, Seattle, Wash
Wisc	John J Cuthe	Box 307, Thiensville, Wisc
Wyo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo
Canada	Mystik Tape Sales Ltd	139 Stephenson Ave, Toronto 13, Ont, Can

	MYTRON MFG CO	**4522 Brazil St, Los Angeles 30, Cal**

	NJE CORP	**20 Boright Ave, Kenilworth, NJ** — **BR2-6000**
Ala	W A Brown & Associates	3405 Lookout Dr, S.E., Huntsville, Ala
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal
Cal	G S Marshall Co	3525 Fifth Ave, San Diego, Cal
Cal	G S Marshall Co	2015 S. El Camino Real, Redwood City, Cal
Colo	Barnhill Association	1170 S. Sheridan Blvd, Denver, Colo
Conn	Burlingame Association	510 S. Fulton Ave, Mt. Vernon, NY
Del	Burlingame Association	8218 Wisconsin Ave, N.W., Wash 14, DC
DC	Burlingame Association	8218 Wisconsin Ave, N.W., Wash 14, DC
Fla	W A Brown & Associates	201 Capron Rd, Indian River City, Fla
Ga	W A Brown & Associates	3405 Lookout Dr, S.E., Huntsville, Ala
Idaho	Barnhill Association	207 N. 4th East, Centerville, Utah
Ill	Ridgway Association	6100 W. North Ave, Chicago 39, Ill

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	Ridgway Association	1224 N. Capitol Ave, Indianapolis 2, Ind	ME5-2401
Iowa	Ridgway Association	1224 N. Capitol Ave, Indianapolis 2, Ind	ME5-2401
Kan	Lee Mark Association	4021 W. 86th St, Kansas City 15, Mo	NI2-3313
Ky	Ridgway Association	1224 N. Capitol Ave, Indianapolis 2, Ind	ME5-2401
Me	Burlingame Association	974 Main St, Waltham, Mass	TW4-1955
Md	Burlingame Association	8218 Wisconsin Ave, N.W., Wash 14, DC	OL4-6400
Mass	Burlingame Association	974 Main St, Waltham, Mass	TW4-1955
Mich	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	JO6-2375
Miss	W A Brown & Associates	3405 Lookout Dr, S.E., Huntsville, Ala	JE6-8393
Mo	Lee Mark Association	4021 W. 86th St, Kansas City 15, Mo	NI2-3313
Neb	Lee Mark Association	4021 W. 86th St, Kansas City 15, Mo	NI2-3313
NH	Burlingame Association	974 Main St, Waltham, Mass	TW4-1955
NJ	Burlingame Association	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Barnhill Association	6310 Cutler Ave, Albuquerque, NM	AX9-7997
NY	Burlingame Association	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NY	Burlingame Association	514 University Bldg, Syracuse, NY	GR4-7409
Pa	Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	IV1-6200
NC	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Ohio	Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	IV1-6200
Ohio	Satullo Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-3094
Pa	Burlingame Association	220 Long Ln, Upper Darby, Pa	SH7-9080
RI	Burlingame Association	974 Main St, Waltham, Mass	TW4-1955
SC	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Tenn	W A Brown & Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Utah	Barnhill Association	207 N. 4th East, Centerville, Utah	EL5-5101
Vt	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1955
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Burlingame Associates	8218 Wisconsin Ave, N.W., Wash 14, DC	OL4-6400
W. Va	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	JO6-2375
Wisc	Ridgway Associates	6100 W. North Ave, Chicago, Ill	TU9-5715
DC	Burlingame Associates	8218 Wisconsin Ave, N.W., Wash 14, DC	OL4-6400

	NRC EQUIPMENT CORP	160 Charlemont St, Newton 61, Mass	DE2-5800
Ala	W C Davis & Associates	1371 Peachtree St, Atlanta, Ga	TR5-9658
Ariz	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	SY2-0702
Ark	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Cal	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	SY2-0702
Cal	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Colo	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Del	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
DC	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
Fla	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
Ga	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
Idaho	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Ill	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Ind	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Iowa	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Kan	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Ky	Robert J Amis	32619 Grand River Ave, Farmington, Mich	GR6-3010
La	The Hainge Co., Inc	3323 Mercer St, Houston, Tex	JA9-2573
Md	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
Mich	Robert J Amis	32619 Grand River Ave, Farmington, Mich	GR6-3010
Minn	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Miss	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
Mo	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Mont	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Neb	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Nev	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	SY2-0702
NJ	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
NM	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	SY2-0702
NY	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
NC	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
ND	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Ohio	Robert J Amis	32619 Grand River Ave, Farmington, Mich	GR6-3010
Okla	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Ore	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Pa	Peter V Schwab	7929 Perry Hwy, Pittsburgh, Pa	FO4-2866
Pa	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
SC	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
SD	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Tenn	W C Davis & Associates	1371 Peachtree St, N.E., Atlanta, Ga	TR5-9658
Tex	The Hainge Co., Inc	3323 Mercer St, Houston, Tex	JA9-2573
Utah	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Va	David D Preis	72 Westwood Ave, Westwood, NJ	NO4-5156
Wash	Carl Hermann Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
W. Va	Peter V Schwab	7929 Perry Hwy, Pittsburgh, Pa	FO4-2866
Wisc	Byron Ellis Jr	3555 W. Peterson Ave, Chicago, Ill	IR8-8687
Wyo	Carl Herman Associates	291 Lambert St, Palo Alto, Cal	DA6-6033
Canada	Winnett Boyd Ltd	745 Mt. Pleasant Rd, Toronto, Ontario	HU1-3722
Foreign	Wild-Barfield Elec Furna Ltd	Otterspool Way, Watford, Herts, Eng	WA26091
Foreign	Japan Vacuum Engrg Co Ltd	Hibiya 2, 1-Chome Yurakucho, Tokyo, Japan	(59) 2985-6
Foreign	E Leybold's Nach Folger	Bonner Str 504, Koln-Bayental, Germany	4716

	NRK MFG & ENGINEERING CO	4601 W. Addison St, Chicago 41, Ill	SP7-2970

	NACINCO PRODUCTS INC	1090 Morena Blvd, San Diego, Cal	BR6-3020
Ala	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Ariz	Perlmuth Electronic Associates Inc	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Cal	Perlmuth Electronic Associates Inc	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
Cal	Perlmuth Electronic Associates Inc	941 Charleston Rd, Palo Alto, Cal	DA1-5064
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Del	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
DC	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Fla	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Ga	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Idaho	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Ky	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Md	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Miss	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Mont	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
Nev	Perlmuth Electronic Associates Inc	5057 W. Washington Blvd, L A 16, Cal	WE1-1041
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Ore	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
SC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Tenn	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Wash	Harry Levinson Co	1117 Second Ave, Seattle 1, Wash	MA2-5433
W. Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	MA2-5433

	NARDA MICROWAVE CORP	118-160 Herricks Rd, Mineola, NY	PL6-4650
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	WH6-3504
Cal	John Francis O'Halloran & Assoc	11636 Ventura Blvd, North Hollywood	TR7-0173
Cal	John Francis O'Halloran & Assoc	825 San Antonio Rd, Palo Alto, Cal	DA6-1493
Colo	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3351
DC	Burlingame Associates Limited	8218 Wisconsin Ave, Wash 14, DC	OL4-6400
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Idaho	Rush S Drake Associates Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis St, Wichita 18, Kan	MU3-3751
Mass	Burlingame Associates Limited	974 Main St, Waltham 54, Mass	TW4-1955
Mo	Engineering Services Co	4550 Main St, Kansas City 11, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar Blvd, St Louis 5, Mo	VO3-3661
Mich	M P Odell Co	10531 W. Mckichols Rd, Detroit 21, Mich	UN2-1573
NM	Gene French Co	120 San Pedro Dr, S.E., Albuquerque, NM	AM8-2478
NY	Burlingame Associates Limited	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NY	Burlingame Associates Limited	514 University Bldg, Syracuse, NY	GR4-7409
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ohio	M P Odell Co	2676 Salem Ave, Dayton 6, Ohio	CR7-4441
Pa	Burlingame Associates Limited	222 Long Ln, Upper Darby, Pa	SH7-9080
Pa	M P Odell Co	750 Penn Ave, Pittsburgh 21, Pa	FR1-1231
Tex	Alto Engineering Sales Co	2712 W. Mockingbird Ln, Dallas 35, Tex	FL1-0010
Wash	Rush S Drake Associates Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545

	NARDA ULTRASONICS CORP	625 Main St, Westbury, NY	ED3-5400
Ariz	Phoenix Jewelers & Gift Supply	27 W. Roosevelt Ave, Phoenix	AL9-0943
Cal	L.H. Butcher Co	3628 E. Olympic Blvd, Los Angeles	AN2-4101
Cal	Western Ultrasonics	57-22 Mezzanine Way, Long Beach, Cal	
Cal	Eugene Fioramonti	3259 Wilshire Blvd, Los Angeles, Cal	DU8-2201
Cal	C.C. Moore Co	Box 58, Palo Verdes Estates, Cal	FR8-5204
Colo	Colorado Tool & Gauge	1489 S. Broadway, Denver, Colo	RA2-8067
Conn	E.E. Smith Associates	7 S. Main St, West Hartford, Conn	AD6-3521
Conn	Suel Associates	2407 Dixwell Ave, Hamden, Conn	CH8-2194
Fla	Specialized Equip. Corp	1707 Roslyn Ave, Brandenton, Fla	BR6-2419
Hawaii	Airmotive Enterprises	201 Kailua Rd, Lanikai, Oahu	
Ill	Prometco	5785 Lincoln Ave, Chicago, Ill	LO1-4625
Ill	Electronic Aides	1105 W. Lawrence Ave, Chicago, Ill	LO1-1042
Ind	Graham Electronics	122 S. Senate, Indianapolis, Ind	ME4-8487
Me	Maine Electronic Supply	148 Anderson St, Portland, Me	
Md	H.A. McCormick	Phoenix, Md	NO6-2333
Mass	M E Baker Co	25 Wheeler St, Cambridge, Mass	KI7-5460
Mich	Hi-Way Electronics	Box 239, Rt 1, Negaunee, Mich	
Minn	Tool Supply Co	2518 University Ave, SE, Minneapolis	FE1-1321
NY	Rochester Industrial Supply	32 University Ave, Rochester, NY	HA6-3664
NY	Douw F. Beekman	17 S. Church St, Schenectady, NY	6-3413
NY	Electra Industrial Dist	365 Mill St, Poughkeepsie, NY	GL2-9000
NY	Gartner Equipment Co	196 S. Geddes St, Syracuse, NY	GR6-4068
NY	Hindman-Mueller-Onics	47 Meadow Lane, Kenmore, NY	DE7751
NC	Electrical Supply Co	E. Commerce St, High Point, NC	
Ohio	Baker Distributing Co	1105 W. 11th St, Cleveland, Ohio	MA1-7131
Okla	Trice Electronics	800 N. Hudson, Oklahoma City, Okla	FO5-6491
Ore	George Bethell	2750 NW. 31 Ave, Portland, Ore	CA8-9676
Pa	Pagoda Industries	9th at Oley, Reading, Pa	FR3-7290
Pa	Charles C. Free	2926 Parkdale, Pittsburgh, Pa	AT1-8741
Pa	H.C. Buerger Co	Glenside & Rices Mill Rd, Wyncote, Pa	CA4-1740
RI	Foster Engineering	547 Mineral Springs Ave, Pawtucket	
Tenn	Hirsh Electronics	1658 Union Ave, Memphis, Tenn	
Tex	R.A. Mayes Co	Box 3344, El Paso, Tex	LY8-2982
Tex	A.C. Fricke Co	212 Julian St, Dallas, Tex	WH6-2151
Utah	A.G. Peterson	407 W. 17th South St, Salt Lake City	HU4-5221
Wash	L.P. Sharts	1703 Sixth Ave, S. Seattle, Wash	MA3-1856
Canada	Measurement Engrg., Ltd	1969 Avenue Rd, Toronto, Ont	

	NARMCO MATERIALS DIV SUB TELECOMPUTING CORP	600 Victoria St, Costa Mesa, Cal	LI8-1144
Cal	Narmco Materials	8125 Aero Dr, San Diego, Cal	BR7-3040
NY	Narmco Materials	600 Old Country Rd, Garden City, NY	
Ohio	Bek Associates	330 Salem Ave, Dayton 6, Ohio	
Ohio	Bek Associates	24054 Smith Ave, Westlake, Ohio	
Tex	Narmco Materials	3560 Wosley Dr, Ft. Worth, Tex	
Wash	Narmco Materials	Fourth Ave Bldg, Seattle, Wash	
Canada	Aviation Developments Ltd	1151 Kipling Ave, N., Rexdale, Ont, Canada	

	NARROW FABRIC CO	Reading, Pa	

	NASHUA CORP	44 Franklin St, Nashua, NH	TU3-7711

	NATEL ENGINEERING CO., INC	15922 Strathern St, Van Nuys, Cal	ST2-4161
Cal	The McDowell Co	P.O. Box 39C, Pasadena, Cal	SY8-5269

	NATIONAL AERONAUTICAL CORP	Commerce Dr, Ft. Washington, Pa	MI6-2900

	NATIONAL BERYLLIA CORP	4501 Dell Ave, North Bergen, NJ	UN4-8125
DC	Nalls & Co	1411 Pennsylvania Ave, N.W., Wash 4, DC	RE7-7040
Fla	Thermal Refractories Corp	1430 E. Adams St, Jacksonville 2, Fla	EL6-5602
Md	Thermal Refractories Corp	P. O. Box 2743, Baltimore 25, Md	EL5-8500
NJ	Thermal Refractories Corp	4501 Dell Ave, N. Bergen, NJ	UN5-1609
Ohio	Harry G Lake Co	384 W. 1st St, Dayton 2, Ohio	BA4-3122

	NATIONAL CARBON CO DIV UCC	270 Park Ave, New York 17, NY	LL1-2345
Ala	National Carbon Co	2900 Cahaba Rd, Birmingham 1, Ala	TR9-4681
Cal	National Carbon Co	2770 Leonis Blvd, Los Angeles 58, Cal	LU3-3061
Cal	National Carbon Co	22 Battery St, San Francisco 6, Cal	YU2-1360
Ill	National Carbon Co	230 N. Michigan Ave, Chicago 1, Ill	FI6-3300
Kan	National Carbon Co	910 Baltimore Ave, Kansas City 41, Mo	BA1-2400
NY	National Carbon Co	292 Madison Ave, New York 17, NY	MU6-1700
Pa	National Carbon Co	Oliver Bldg, Mellon Sq, Pittsburgh 22, Pa	EX1-3800
Tex	National Carbon Co	3839 W. Alabama, Houston 27, Tex	MO7-5641

	NATIONAL CASH REGISTER CO	S. Main at K St, Dayton 9, Ohio	BA6-1411
Sales Offices in all principal cities of U.S.			

	NATIONAL CERAMIC CO	400 Southard St, Trenton 2, NJ	EX4-5373
Conn	Wm H Plunkett Jr	P.O. Box 256, Westwood, Mass	DA6-1713
Del	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
DC	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Ga	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Md	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Mass	Wm H Plunkett Jr	P.O. Box 256, Westwood, Mass	DA6-1713
NH	Wm H Plunkett Jr	P.O. Box 256, Westwood, Mass	DA6-1713
NJ	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
NY	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
NY	Wadsworth Mfg Associates	509 Balsam St, Liverpool, NY	OL2-7043
Pa	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
RI	Wm H Plunkett Jr	P.O. Box 256, Westwood, Mass	DA6-1713
W. Va	George Vaux	P.O. Box 256, Westwood, Mass	DA6-1713

	NATIONAL CINE EQUIPMENT INC	209 W. 48 St, New York, NY	CI6-0340

	NATIONAL COIL CO	P. O. Box 1237, Sheridan, Wyo	OR4-7644
Cal	Wm W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Cal	E W Bohm Co	Box 45293, Air Port Sta, Los Angeles 45	ORO-1620
Fla	E C Raymund & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ill	Frank Tye Sales	1039 Willow St, Chicago 14, Ill	WH4-6681
Kan	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Md	Walter C Stemler & Associates	511 N. Charles St, Baltimore 1, Md	PL2-3211
Mo	Halgin Sales	721 Olive St, St Louis 1, Mo	CH1-6919
NJ	Harold Gray Associates	46 Tenaely Rd, Tenafly, NJ	LO7-3585
NY	Harold Gray Associates	46 Tenaely Rd, Tenafly, NJ	LO7-3585
Tex	Southern Industrial Electronics	Exchange Bank Bldg, Dallas 14, Tex	FL2-3901

	NATIONAL DECALCOMANIA CORP	236 N. 60th St, Philadelphia, Pa	GR2-1480
Ala	Maxey Gabbert & Co	Highland Sta, P.O. Box 3341, Birmingham, Ala	
DC	Murray & Heister Co	1335 Green Ct, N.W., Washington 5, DC	
Fla	H Denny Schweiger	18120 N.W. 16th Ave, N. Miami, Fla	
Ind	Owen Co	3642 Watson Rd, Indianapolis, Ind	
La	Thomas Dunne Co	520 Natchez St, New Orleans 1, La	
Md	Paul H Riley	P.O. Box 7162, Baltimore, Md	
Mass	Herman W Ford	P.O. Box 1061, Norton, Mass	
Mass	Wm Foerster	RFD 2, Amherst, Mass	
Mich	James T Alton Jr	100090 W. Chicago Blvd, Detroit 4, Mich	
Mich	A L Johnson	619 Brookland Blvd, Lansing 10, Mich	
NY	National Decal Corp	205 E. 42nd St, New York, NY	
NY	Neal J Callagan	182 Bloomingrove Dr, Troy, NY	
NY	Ken Pierce	130 W. Chippewa St, Buffalo 2, NY	
Ohio	Vince G Bowman	4500 Euclid Ave, Cleveland 3, Ohio	
Ohio	H A Bell	Third National Bldg, Dayton 2, Ohio	
Pa	Harry R Dubbs	924 Hamilton St, Allentown, Pa	
Pa	National Decal Corp	236 N. 60th St, Philadelphia, Pa	
Tenn	W E Nolan	185 Adams Ave, Memphis 3, Tenn	

	NATIONAL ELECTRIC COIL DIV McGRAW EDISON CO	800 King Ave, Columbus 16, Ohio	HU8-1151
Ala	J E Paolielo	1700 Vanderbilt Rd, Birmingham 1, Ala	AL1-8486
Ariz	T K Hawkins	3027 Durfee Ave, El Monte, Cal	GI8-8858
Ark	B W Beatty	315 N. Horn St, W. Frankfort, Ill	1110
Cal	T K Hawkins	3027 Durfee Ave, El Monte, Cal	GI8-8858
Colo	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Conn	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
Del	R A Procter	6 Penn Center Plaza, Phila 3, Pa	LO4-1480
DC	R A Procter	6 Penn Center Plaza, Phila 3, Pa	LO4-1480
Fla	L L Herring	206 Sylvan Dr, Charlotte 6, NC	FR5-2135
Ga	L L Herring	206 Sylvan Dr, Charlotte 6, NC	FR5-2135
Idaho	D W Hatfield	1510 Harvard, Salt Lake City 5, Utah	EM4-8315
Ill	B W Beatty	315 N. Horn St, W. Frankfort, Ill	1110
Ill	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Ind	G A Tiller	220 Carangan Rd, Dayton 59, Ohio	AX8-3989
Ind	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Iowa	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Kan	B W Beatty	315 N. Horn St, W. Frankfort, Ill	1110
Ky	D K Peck	2370 Edgevale Rd, Columbus 21, Ohio	HU8-0712
La	J E Paolielo	1700 Vanderbilt Rd, Birmingham 1, Ala	AL1-8486
Me	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
Md	R A Procter	6 Penn Center Plaza, Phila 3, Pa	LO4-1463
Mass	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
Mich	G W Brown	31239 E. Rutland Ave, Birmingham, Mich	MI6-4660
Mich	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Minn	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Miss	J E Paolielo	1700 Vanderbilt Rd, Birmingham 1, Ala	AL1-8486
Mo	B W Beatty	315 N. Horn St, W. Frankfort, Ill	1110
Mont	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Neb	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Nev	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
NH	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
NJ	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
NM	T K Hawkins	3027 Durfee Ave, El Monte Cal	GI8-8858
NY	J H Chevalier	250 Park Ave, New York 17, NY	OX7-6644
NC	L L Herring	206 Sylvan Dr, Charlotte 6, NC	FR5-2135
ND	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Ohio	D K Peck	2370 Edgevale Rd, Columbus 21, Ohio	HU8-0712
Ohio	C N Brown Jr	8905 Lake Ave, Cleveland 2, Ohio	OL1-5774
Okla	B W Beatty	315 N. Horn St, W. Frankfort, Ill	1110
Ore	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	B L Decker	68 A Tenhurst Rd, Buffalo 14, NY	LA-0322
Pa	W H McPherson	345 Mt. Lebanon Blvd, Pittsburgh 34	LE1-1166
RI	J R Chevalier	250 Park Ave, New York 17, NY	OX7-6644
SC	D L Herring	206 Sylvan Dr, Charlotte 6, NC	FR5-2135
SD	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Tenn	D L Herring	206 Sylvan Dr, Charlotte 6, NC	FR5-2135
Utah	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Vt	J R Chevalier	250 Park Ave, New York 17, NY	OX7-6644
Va	W C Barnard	106 Hillpark Dr, Beckley, W. Va	CL3-6641
Va	W B Fish	1408 Whitethorn St, Bluefield, W. Va	DA5-8882
Wash	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
W. Va	W B Fish	1408 Whitethorn St, Bluefield, W. Va	DA5-8882
W. Va	W C Barnard	106 Hillpark Dr, Beckley, W. Va	CL3-6641
Wisc	J W Miller	224 S. Michigan Ave, Chicago 4, Ill	WA2-8102
Wyo	D W Hatfield	1510 Harvard Ave, Salt Lake City 5, Utah	EM4-8315
Foreign	Stancor Proprietary Ltd	153 Smit St, Johannesburg, S. Africa	
Foreign	Charles M Terry Pty Ltd	115 Pitt St, Sydney, NSW Australia	

NATIONAL ELECTRIC CONTROLLER CO — **7070 Glenwood, Chicago 26, Ill**

NATIONAL ELECTRONICS — **P. O. Box 1237, Sheridan, Wyo** — **OR4-7644**

Cal	Wm W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Cal	E W Bohm Co	Box 45293, Airport Sta, Los Angeles	ORO-1620
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Fla	E C Raymond & Associates	P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Kan	Hallein Sales	5920 Nall, Mission, Kan	RA2-2441
Md	Walter C Stemler & Associates	511 N. Charles St, Baltimore 1, Md	PL2-3211
Mo	Hallein Sales	721 Olive St, St Louis 1, Mo	CH1-6919
NM	Hytronic Measurements Inc	211 Sierra S.E., Albuquerque, NM	

NATIONAL ELECTRONICS INC A SUB OF EITEL MCCULLOUGH INC — **628 North St, Geneva, Ill** — **CE2-7000**

Cal	C E Price Co	1010 Robertson Blvd, Los Angeles, Cal	OL5-9454

NATIONAL ELECTRONICS LABS INC — **1713 Kalorama Rd, N.W., Wash 9, DC** — **HU3-5000**

NATIONAL ENGINEERING PRODUCTS INC — **435 Washington Bldg, Washington 5, DC** — **RE7-4473**

NATIONAL FABRICATORS INC — **2650 W. Belden Ave, Chicago 47, Ill** — **DI2-2650**

NATIONAL FELT CO — **76 Summer St, Boston 10, Mass** — **LI8-4590**

NATIONAL GASKET & WASHER CO — **122 E. 25 St, New York, NY** — **GR5-1866**

NATIONAL INSTRUMENT LABS INC — **826 Evarts St, N.E., Wash, DC** — **NO7-7582**

Ala	Gulf Instrument Associates	P.O. Box 828, Anna Maria, Fla	AN3-5201
Alaska	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Ala	Gulf Instrument Associates	Box 828, Anna Maria, Fla	AN3-5201
Ariz	Carl A Stone Associates	8971 National Blvd, Los Angeles, Cal	TE0-7771
Cal	Carl A Stone Associates	8971 National Blvd, Los Angeles, Cal	TE0-7771
Cal	Carl A Stone Associates	825 San Antonio Rd, Palo Alto, Cal	DA6-0057
Conn	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	ME4-8893
Del	K-S Engineering	P.O. Box 87, Media, Pa	LO6-8386
Fla	Gulf Instrument Associates	P.O. Box 828, Anna Maria, Fla	AN3-5201
Ga	Gulf Instrument Associates	P.O. Box 828, Anna Maria, Fla	AN3-5201
Idaho	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Ill	Jelinek Co	906 Ellynwood Dr, Glen Ellyn, Ill	GL337-W
Ill	Gordon Fixman Engineering	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ind	The Jelinek Co	906 Ellynwood Dr, Glen Ellyn, Ill	GL337-W
Kan	Gordon Fixman Engineering	8160 Stanford Ave, St. Louis, Mo	PA5-5219
La	J K Moore Co	3115 Leeland Ave, Houston, Tex	CA5-6059
Me	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	ME4-8893
Md	Instrument Sales Inc	828 Evarts St, N.E., Washington, DC	NO7-7583
Mass	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	ME4-8893
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit 27, Mich	VE7-8820
Mo	Gordon Fixman Engineering	8160 Stanford Ave, St. Louis, Mo	PA5-5219
NH	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	ME4-8893
NJ	Mechanical Specialties Co	30 Church St, New York, NY	WO4-6650
NY	Hardin D Thweatt	768 Potomac Ave, Buffalo, NY	LI8276
NY	Mechanical Specialties Co	30 Church St, New York, NY	WO4-6650
Ore	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Pa	K S Engineering	P.O. Box 87, Media, Pa	LO6-8386
RI	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	
Tex	J K Moore Co	3115 Leeland Ave, Houston 3, Tex	CA5-6059
Vt	Richard F MacDowell Co	58 Orient Ave, Melrose, Mass	ME4-8893
Va	Instrument Sales Inc	828 Evarts St, N.E., Washington, DC	NO7-7583
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Wisc	Jelinek Co	906 Ellynwood Dr, Glen Ellyn, Ill	GL337-W
Canada	Found Brothers Aviation Ltd	Malton Airport, Malton, Ontario, Canada	
Foreign	Gordon Hare Int'l Prod Ltd	113 Whitehorse Rd, Victoria, Australia	

NATIONAL LEAD CO — **111 Broadway, New York 6, NY** — **RE2-9400**

NATIONAL MOLDITE CO — **250 South St, Newark 5, NJ** — **MI2-6860**

Conn	Hazen P Chase	P.O. Box 47, Holyoke, Mass	JE3-0168
Ill	Jerry Golten Co	2750 W. North Ave, Chicago, Ill	EV4-5959
Mass	Hazen P Chase	P.O. Box 47, Holyoke, Mass	JE3-0168
NJ	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
Foreign	O R Klein	Carlos Calvo 224, Buenos Aires, Arg	33-7770

NATIONAL RADIO CO — **37 Washington St, Melrose 76, Mass** — **NO5-4800**

Cal	Jack Berman Co	1141 S. La Cienega Blvd, Los Angeles, Cal	OL5-8920
Ca	F W Mountrop	575 10th St, San Francisco, Cal	MA1-0722
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Fla	W F Hemminger	624 N E. 79th St, Miami, Fla	PL9-0300
Ga	W Avis McCorvey	215 Church St, Decatur, Ga	
Hawaii	Gene Piety Factors	2030 Home Rule St, Honolulu, Hawaii	8-3105

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Ind	Delta Sales Inc	2136 E. 52nd St, Indianapolis 5, Ind	CL1-3564
Mass	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Mich	Rod Butchart Co	16637 E. Warren Ave, Detroit 24, Mich	TU2-6666
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis, Minn	PA9-7371
Mo	Forristal-Young Sales Co	4053 Broadway, Kansas City, Mo	NA1-5330
Mo	Forristal-Young Sales Co	8147 Delmar St, St. Louis, Mo	PA5-7701
NJ	Ed Braddock	P.O. Box 305, Haddonfield, NJ	HA9-0087
NJ	Metrorep	P.O. Box 162, Teaneck, NJ	TE6-3474
NJ	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
Ohio	Les A Morrow	3123 W. 117th St, Cleveland, Ohio	CL1-5700
Pa	Les A Morrow	530 6th Ave, Pittsburgh, Pa	
Tex	Antle-Smith-Dalzell Sales	2721 Brookfield Ave, Dallas, Tex	FL7-7279
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	
Wash	Samuel N Stroum	1612 Broadway, Seattle 22, Wash	EA3-6117
Canada	Canadian Marconi	830 Bayview Ave, Toronto, Ontario, Can	HU1-5221
Foreign	Ad Auriema Inc	85 Broad St, New York, NY	BO9-7750

NATIONAL RESEARCH CORP METALS DIV — **70 Memorial Dr, Cambridge 42, Mass** — **EL4-5400**

NATIONAL SEMICONDUCTORS LTD — **230 Arthur St, Montreal 9, PQ, Canada** — **R16-2946**

Conn	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
Del	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171
DC	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171
Ill	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Ind	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Me	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
Md	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171
Mass	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
Mich	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
NH	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
NJ	Andrews & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
NJ	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171
NY	Andrews & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
Ohio	Conditionaire Inc	2000 Warrensville Rd, Cleveland 21, Ohio	EV2-4050
Pa	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171
Pa	Conditionaire Inc	2000 Warrensville Rd, Cleveland 21, Ohio	EV2-4050
RI	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
Vt	Arthur A Bliss	P.O. Box 284, Marlboro, Mass	HY3-6307
Va	J Alan Biggs & Co	Bucks County, Gardenville, Pa	AX7-3171

NATIONAL SPECIALTIES CO — **1902 Howell St, Fort Wayne, Ind** — **AN2341**

Ill	Johnston Thermal Engineering	4900 W. Madison St, Chicago 44, Ill	AU7-1374

NATIONAL-STANDARD CO — **Niles, Mich** — **MU3-8100**

NATIONAL TELEVISION TUBE INC — **Rt 46, Saddle Brook, NJ** — **PR8-5900**

NATIONAL TEL TRONICS CORP — **52 St. Casimir Ave, Yonkers, NY** — **YO8-6400**

Ark	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Cal	Robt Moye	116 S. Stoneman Ave, Alhambra, Cal	CU3-1669
Conn	Frank Manzi	384 Whally Ave, New Haven, Conn	HO7-6576
DC	C P Skenes	Box 5516, Washington, DC	
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Morris Cunningham Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
La	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Me	Frank Manzi	384 Whally Ave, New Haven, Conn	HO7-6576
Md	C P Skenes	P.O. Box 5516, Washington, DC	
Mass	Frank Manzi	384 Whally Ave, New Haven, Conn	HO7-6576
Mich	Morris Cunningham Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
NJ	Joseph J Heller Associates	139-30 34th Rd, Flushing 54, NY	FL3-8900
NY	Joseph J Heller Associates	139-30 34th Rd, Flushing 54, NY	FL3-8900
NC	C P Skenes	P.O. Box 5516, Washington, DC	
Ohio	Morris Cunningham Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
R	Frank Manzi	384 Whally Ave, New Haven, Conn	HO7-6576
Tenn	Morris Cunningham Associates	6208 N. College Ave, Indianapolis, Ind	CL1-3222
Tex	W R Retzloff	P.O. Box 1786, San Antonio, Tex	LE3-7839
Wisc	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500

NATIONAL ULTRASONIC CORP — **111 Montgomery Ave, Irvington 11, NJ** — **ES1-0550**

Ala	Vanguard Associates Inc	540 Londonderry Rd, N.W., Atlanta, Ga	BI5-6318
Ariz	Gillette Industries Inc	32-B E. 1st St, Scottsdale, Ariz	WH6-0881
Cal	Carl Hermann Associates	291 Lambert Ave, Palo Alto, Cal	DA6-6033
Cal	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	MU1-5111
Colo	The Mine & Smelter Supply Co	3800 Race St, Denver, Colo	CH4-4353
Conn	R A Lavers & Co	330 S. Benson Rd, Fairfield, Conn	CL9-3519
Del	S & S Associates Inc	P.O. Box 6, King of Prussia, Pa	BR9-7192
Fla	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Ga	Vanguard Associates Inc	540 Londonderry Rd, N.W., Atlanta, Ga	BI5-6318
Hawaii	Welding & Industrial Prods Ltd	1370 Makahiwa St, Honolulu, Hawaii	
Idaho	Fred H Haight Co	3212 E. Lake Ave, Seattle, Wash	EA2-1818
Ill	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
Ind	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
Iowa	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
La	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Me	MacDermid Inc	Waterbury, Conn	PL4-6161
Md	S & S Associates Inc	P.O. Box 453, Glen Burnie, Md	SO1-2327
Mass	MacDermid Inc	Waterbury, Conn	PL4-6161
Mich	George L Wankervis Co	15300 Fullerton Ave, Detroit, Mich	VE8-5780
Minn	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
Miss	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Mo	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
Mont	Fred H Haight Co	3212 E. Lake Ave, Seattle, Wash	EA2-1818
Nev	Mine & Smelter Supply Co	8121 E. 2nd, South Salt Lake City, Utah	
NH	MacDermid Inc	Waterbury, Conn	PL4-6161
NJ	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NJ	S & S Associates	P.O. Box 6, King Of Prussia, Pa	BR9-7192
NM	Gillette Industries Inc	32-B E. 1st St, Scottsdale, Ariz	WH6-0881
NY	W M Fotheringham Inc	975-81 Niagara St, Buffalo, NY	L19068
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NC	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	The Gilbert Tramer Co	1217 Main Ave, Cleveland, Ohio	PR1-2751
Ohio	Custom Engineering Co	2975 Far Hills Ave, Dayton, Ohio	AX8-5246
Ore	Fred H Haight Co	3212 E. Lake Ave, Seattle, Wash	EA2-1818
Pa	S & S Associates Inc	P.O. Box 6, King of Prussia, Pa	BR9-7192
Pa	Earl E Whitaker & Son	822 Wood St, Pittsburgh 12, Pa	FR1-6220
RI	MacDermid Inc	Waterbury 20, Conn	PL4-6161
SC	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Tenn	Vanguard Associates Inc	1500 New Haven Ave, Melbourne, Fla	PA3-3074
Tex	Gulf Coast Instrument Co	5516 Gulf Fwy, Houston, Tex	WA3-2421
Utah	The Mine & Smelter Supply Co	8121 E. 2nd, South Salt Lake City, Utah	
Vt	MacDermid Inc	Waterbury, Conn	PL4-6161
Va	S & S Associates	1820 23rd St, S.E., Wash DC	LU2-0041
Wash	Fred H Haight Co	3212 E. Lake Ave, Seattle, Wash	EA2-1818
W.Va	Earl E Whitaker & Son	822 Wood St, Pittsburgh 12, Pa	FR1-6220
Wisc	Ardco Inc	5000 W. 73rd St, Chicago, Ill	PO7-2015
Wyo	The Mine & Smelter Supply Co	3800 Race St, Denver, Colo	CH4-4353
Canada	Electrolabs	7385 St Lawrence Blvd, Montreal, Que, Can	CR6-6076
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011

NATIONAL UNION ELECTRIC CORP — **Bloomington, Ill** — **7-6641**

Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ariz	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
Ark	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27	HO3-5694
Conn	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
Del	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	
DC	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	
Fla	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Ill	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Ind	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Iowa	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440
Kan	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
La	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Me	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
Md	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Mass	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Nev	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NH	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
NJ	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	
NM	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NY	Wm A Franklin Co	2 Standish Terr, Syracuse 3, NY	GI6-1120
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Okla	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Pa	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	
RI	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35, Tex	FL7-5713
Vt	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
Va	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Va	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	
W. Va	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Wisc	Kenneth W Meyers Co	6713 N. Oliphant Ave, Chicago 31, Ill	SP4-6440

NATIONAL VIDEO CORP — **4300 W. 47 St, Chicago 32, Ill** — **CL4-5600**

NATIONAL VULCANIZED FIBRE CO — **Box 311, Wilmington 99, Del** — **OL5-6371**

Ala	National Vulcanized Fibre Co	P.O. Box 37, Griffin, Ga	GR8-1308
Ariz	National Vulcanized Fibre Co	2216 S. Garfield Ave, Los Angeles, Cal	RA3-0291
Cal	National Vulcanized Fibre Co	533 Middlefield Rd, Palo Alto, Cal	DA6-4667
Cal	National Vulcanized Fibre Co	2216 S. Garfield Ave, Los Angeles, Cal	RA3-0291
Conn	National Vulcanized Fibre Co	7 Whitney Ave, New Haven, Conn	LO2-3594
DC	National Vulcanized Fibre Co	7301 York Rd, Towson 4, Md	VA3-0393
Fla	National Vulcanized Fibre Co	2411 Covina Way, St. Petersburg, Fla	5-5505
Ga	National Vulcanized Fibre Co	P.O. Box 37, Griffin, Ga	GR8-1308
Ill	National Vulcanized Fibre Co	2415 Gardner Rd, Broadview, Ill	AU7-1935
Ind	National Vulcanized Fibre Co	3513 N. Hovey St, Indianapolis, Ind	WA3-6381
Md	National Vulcanized Fibre Co	7301 York Rd, Towson 4, Md	VA3-0393
Mass	National Vulcanized Fibre Co	62 Prospect St, Waltham 54, Mass	TW4-3500
Mich	National Vulcanized Fibre Co	18075 James Couzens Hwy, Detroit, Mich	UN3-3632
Mo	National Vulcanized Fibre Co	2 S. Brentwood Blvd, St. Louis, Mo	PA5-9577
NJ	National Vulcanized Fibre Co	1060 Broad St, Newark, NJ	MI2-6090
NY	National Vulcanized Fibre Co	895 Winton Rd, Rochester, NY	HI5-0900
NY	National Vulcanized Fibre Co	50 Church St, New York, NY	CO7-3895
NC	National Vulcanized Fibre Co	309 Builders Bldg, Charlotte, NC	ED3-7432
Ohio	National Vulcanized Fibre Co	30 E. Central Pkwy, Cincinnati, Ohio	GA1-0632
Ohio	National Vulcanized Fibre Co	2000 Lee Rd, Cleveland, Ohio	ER1-0240
Pa	National Vulcanized Fibre Co	119 Federal St, Pittsburgh, Pa	FA1-3939
Pa	National Vulcanized Fibre Co	0815 Market St, Upper Darby, Pa	SH6-0760
Tex	National Vulcanized Fibre Co	2331 Gus Thomasson Rd, Dallas, Tex	DA4-4366
Wash	National Vulcanized Fibre Co	4001 Whitman Ave, Seattle, Wash	ME2-7298
Wisc	National Vulcanized Fibre Co	739 N. Broadway, Milwaukee, Wisc	BR6-6995

NATVAR CORP — **Woodbridge, NJ** — **FU8-8800**

Ala	Melloy Sales	2100 Astor Ave, Knoxville, Tenn	2-5911
Ariz	Electrical Specialty Co	P.O. Box 232, Phoenix, Ariz	
Ark	Engineering Associates Inc	2912 Stanley, Fort Worth, Tex	WA3-7386
Cal	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles 23, Cal	AN9-9511
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	E F Bosse	48 Sanford Ln, Stamford, Conn	DA2-2026
Conn	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
Del	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Fla	Jack Gearhner Co	711 Magnolia Ave, Orlando, Fla	GA4-3926
Ga	Manufacturers Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Idaho	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Idaho	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Ill	William Maxwell Co	1222 W. Morse Ave, Chicago 26, Ill	BR4-3164
Ind	C J Voneman Co	15017 Detroit Ave, Cleveland 7, Ohio	AC1-2800
Ky	Melloy Sales	2100 Astor Ave, Knoxville, Tenn	2-5911
La	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
Md	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575
Mass	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
Mich	M F Knaus Co	3117 W. McNichols Rd, Detroit 21, Mich	DI1-8686
Minn	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FI7701
Miss	Mellov Sales	2100 Astor Ave, Knoxville, Tenn	2-5911
Mo	J F Shekelton	11726 Sappington Barracks Rd, St. Louis	VI3-0203
Mont	Electrical Specialty Co	2406 First Ave, S., Seattle 4, Wash	MA3-8061
Mont	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Neb	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Nev	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Nev	Electrical Specialty Co	2820 E. 12th St, Los Angeles 23, Cal	AN9-9511
NH	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
NJ	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575
NJ	L K Detwiler	443 Broad St, Newark 2, NJ	HU5-9000
NM	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
NY	L K Detwiler	443 Broad St, Newark 2, NJ	HU5-9000
NY	Hansen Sales Co	1650 E. Main St, Rochester 9, NY	HU2-3644
NY	John Rafter	Zimmerman Rd, Hamburg, NY	EM1782
NC	Manufacturers Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
ND	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FI7701
Ohio	C H McCullough	418 First Ave, Pittsburgh, Pa	EX1-1887
Ohio	C J Voneman Co	15017 Detroit Ave, Cleveland 7, Ohio	AC1-2800
Okla	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Ore	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Ore	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Pa	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575
Pa	Hansen Sales Co	1650 E. Main St, Rochester 9, NY	HU2-3644
Pa	John Rafter	Zimmerman Rd, Hamburg, NY	EM1782
Pa	C H McCullough	418 First Ave, Pittsburgh, Pa	EX1-1887
RI	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
SC	Manufacturers Sales Co	509 Cornwallis Dr, Greensboro, NC	BR4-1401
SD	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FI7701
Tenn	Mellov Sales	2100 Astor Ave, Knoxville, Tenn	2-5911
Tex	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Tex	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Utah	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Vt	John V Muddle	74 Union St, Ashland, Mass	TR3-7091
Va	Myers Associates	P.O. Box 164, Bristol, Va-Tenn	NO9-6567
Wash	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Wash	Electrical Specialty Co	2406 First Ave, S., Seattle, Wash	MA3-8061
W. Va	C H McCullough	418 First Ave, Pittsburgh, Pa	EX1-1887
W. Va	Myers Associates	P.O. Box 164, Bristol, Va-Tenn	NO9-6567
Wisc	William Maxwell Co	1222 W. Morse Ave, Chicago 26, Ill	BR4-3164
Wisc	D A Schultz Co	801 S.E. 8th St, Minneapolis 14, Minn	FI7701
Wyo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588

	NAUGATUCK CHEMICAL DIV OF US RUBBER CO	**Naugatuck, Conn**	**PA9-5341**
	NAUGLER ENGINEERING	**19 Madison Ave, Beverly, Mass**	**WA2-5634**
	NAVAN PRODUCTS INC A SUB OF NORTH AMERICAN AVIATION INC	**900 N.Sepulveda, El Segundo, Cal**	**OR8-5615**
	NAVIGATION COMPUTER CORP	**1621 Snyder Ave, Philadelphia 45, Pa**	**HO5-7700**
Ala	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Ariz	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-5219
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-5219
Cal	William Theisner & Co	405 S. Sunnyvale Ave, Sunnyvale, Cal	RE9-6460
Conn	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5770
Del	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Ga	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Me	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5770
Md	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5220
Mich	Anderson Electronics Co	19364 James Couzens Hwy, Detroit 35	TU2-1670
Miss	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Nev	William Theisner & Co	405 S. Sunnyvale Ave, Sunnyvale, Cal	RE9-6460
NH	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5770
NJ	I E Robinson Co	905 Main St, Asbury Park, NJ	KE1-3150
NM	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	
NY	D B Associates Inc	P.O. Box 284, Dewitt, NY	GI6-0220
NC	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Pa	The I E Robinson Co	7404 Westchester Pike, Upper Darby, Pa	SH8-1294
Pa	The I E Robinson Co	2120 Market St, Camp Hill, Pa	RE7-6791
RI	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5770
SC	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Tenn	W A Brown Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Vt	Measurement Equipment Co	P.O. Box 267, Wakefield, Mass	CR6-5770
Va	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Canada	R C Testing Systems	618 Vaughans Rd, Toronto 10, Canada	
	NAYBOR LABORATORIES INC., E V	**26 Masonboro Blvd, Pt. Washington, NY**	**PO7-4300**
Ariz	Carl E Holmes Co	107 North Ave 64, Los Angeles 42, Cal	CL6-2255
Cal	Carl E Holmes Co	107 North Ave 64, Los Angeles 42, Cal	CL6-2255
Conn	Near Inc	P.O.Box 184, Yalesville, Conn	CO9-9932
Del	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
DC	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
Fla	William M Jones Co., Inc	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co., Inc	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Ind	A E Williams Co	Rural Rt 1, Markle, Ind	SK8-5703
Ky	A E Williams Co	6330 Montgomery Rd, Cincinnati 13, Ohio	EL1-6132
Me	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Md	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
Mass	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Mich	A E Williams Co	Rural Rt 1, Markle, Ind	SK8-5703
Nev	Carl E Holmes Co	107 North Ave 64, Los Angeles, Cal	CL6-2255
NH	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
NJ	Ballou Inc	51 N. Broad St, Ridgewood, NJ	GI4-6990
NY	Travco Associates	148-03 Hillside Ave, Jamaica 35, NY	OL7-8630
NC	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
Ohio	A E Williams Co	6330 Montgomery Rd, Cincinnati 13, Ohio	EL1-6132
Pa	William M Jones Co., Inc	332 S. Forklanding Rd, Maple Shade, NJ	NO3-2450
RI	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
SC	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
Tenn	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
Vt	Near Inc	99 Highland Ave, Somerville, Mass	PR6-2262
Va	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
W. Va	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA4-2434
	NAZ-DAR CO	**465 Milwaukee Ave, Chicago 10, Ill**	**CH3-1630**
	NEBEL LABORATORY, R E	**1634 E. 12 St, Brooklyn 29, NY**	**NI5-7427**
	NEFF INSTRUMENT CORP	**2211 E. Foothill Blvd, Pasadena, Cal**	**MU1-5121**
	NEILL CO., INC., R W	**4320 W.Montrose Ave, Chicago 41, Ill**	**SP7-6200**
Cal	W A Blackford	55 New Montgomery St, San Francisco 5	LO2-0636
Md	Thomas Eader	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Pa	J J Voigt Jr	214 Harrison Bldg, Philadelphia 2, Pa	RI6-2603
Canada	P A Temple	1785 Bois Franc Rd, Montreal 9, Que, Can	FE4-2930
	NELSON ELECTRIC MFG. CO	**P.O. Box 5385, Tulsa 16, Okla**	**RI2-5531**
	NELSON INSTRUMENT CO	**607 Howard St, Evanston, Ill**	**GR5-1518**
	NELSON VACUUM PUMP CO., GEORGE F	**2133 Fourth St, Berkeley 10, Cal**	**TH8-2277**
	NEMETH INC	**2223 S. Carmelina Ave, Los Angeles 64, Cal**	
	NEMS-CLARKE CO DIV VITRO CORP OF AMERICA	**Silver Spring, Md**	**JU5-1000**
Ariz	Nems-Clarke	7713 Oakdale Ave, Canoga Park, Cal	DE8-5120
Cal	E Trompeter	7713 Oakdale Ave, Canoga Park, Cal	DI8-5120
Idaho	Arva	1320 Prospect St, Seattle 99, Wash	MA2-0177
Mont	Arva	1320 Prospect St, Seattle 99, Wash	MA2-0177
Nev	E Trompeter	7713 Oakdale Ave, Canoga Park, Cal	DI8-5120
NM	E Trompeter	7713 Oakdale Ave, Canoga Park, Cal	DI8-5120
Okla	Carey-Waef Co	P.O.Box 6072, Ft. Worth, Tex	PE8-1702
Ore	Arva	1320 Prospect St, Seattle 99, Wash	MA2-0177
Tex	Carey-Waef Co	P.O.Box 6072, Ft. Worth, Tex	PE8-1702
Utah	E Trompeter	7713 Oakdale Ave, Canoga Park, Cal	DI8-5120
Wash	Arva	1320 Prospect St, Seattle 99, Wash	MA2-0177
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	
Foreign	Telesco Int'l Corp	36 W. 40th St, New York, NY	PE6-2165
	NESCO INSTRUMENTS INC	**638 W. 17th St, Costa Mesa, Cal**	**MI6-1679**
Cal	Cain & Co	1717 N. Highland Ave, Los Angeles 28	HO2-6491
Cal	Cain & Co	San Francisco, Cal	
DC	Cain & Co	Washington, DC	
Ill	Cain & Co	Chicago, Ill	
Mass	Cain & Co	Boston, Mass	
NY	Cain & Co	Coliseum Bldg, New York, NY	
	NESOR ALLOY PRODUCTS CO	**666 Passaic Ave, W. Caldwell, NJ**	**CA8-0400**
Ariz	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	
Cal	Harry Appleton & Co., Inc	136 San Fernando Rd, Los Angeles, Cal	
Conn	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
Fla	George Bonman	711 Magnolia Ave, Orlando, Fla	
Mass	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
Mo	Joseph A Crowe Associates	1221 Laredo St, St. Louis, Mo	
NH	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
RI	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
Vt	Fred Arenstrup	Hudson Rd, Sudbury, Mass	
	NETWORK INDUSTRIES INC	**P. O. Box 397, Bayonne, NJ**	**HE7-3929**
	NETWORKS ELECTRONIC CORP	**14806 Oxnard St, Van Nuys, Cal**	**ST2-3114**
Ala	Emory Design & Equipment Co	P.O.Box 9013, Birmingham 13, Ala	TR1-1369
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Ark	Electro-Mechanical Associates Inc	6115 Denton Dr, Dallas, Tex	FL1-5515
Cal	J B Hannasch & Associates	2311 Kettner Blvd, San Diego 1, Cal	BE9-1388
Conn	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
Del	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Fla	C T Cummings	P.O.Box 507, Bradenton, Fla	
Ga	Emory Design & Equipment Co	P.O.Box 9013, Birmingham 13, Ala	TR1-1369
Ill	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ind	Hobstetter-Soenke	131 N. Ludlow St, Dayton 2, Ohio	BA2-2897
Iowa	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Kan	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
La	Electro-Mechanical Associates Inc	6115 Denton Dr, Dallas, Tex	FL1-5515
Me	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
Md	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
Mass	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
Mo	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Neb	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
NH	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
NJ	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NM	Fryco	355 Scottsdale Rd, Scottsdale, Ariz	WH5-3281
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	J V Costello	539 S. Warren St, Syracuse, NY	HA2-0532
Ohio	Hobstetter-Soenke	131 N. Ludlow St, Dayton 2, Ohio	BA2-2897
Okla	W E Fry Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Pa	Bonn Associates	57 New St, Metuchen, NJ	LI9-9573
RI	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
Tenn	Emory Design & Equipment Co	P.O.Box 9013, Birmingham 13, Ala	TR1-1369
Tex	Electro-Mechanical Associates Inc	6115 Denton Dr, Dallas, Tex	FL1-5515
Vt	Abbott-Allison Co	P.O.Box 467, Meriden, Conn	BE7-9232
	NEUSES INC., P K	**511 N. Dwyer St, Arlington Heights, Ill**	**CL3-6555**
	NEUTRONIC ASSOCIATES INC	**32 Tennessee Ave, Hempstead, NY**	**IV9-9840**
	NEW BRUNSWICK SHEET METAL WORKS	**425 Cleveland Ave, Highland Park, NJ**	**CH9-1470**
	NEW DEPARTURE DIV GMC	**269 N. Main St, Bristol, Conn**	**LU3-6371**
Ariz	H S Foote	213 N. 1st Ave, Phoenix, Ariz	AL3-7770
Cal	D L Clark	3650 S. Broadway, Los Angeles 7, Cal	AO3-5101
Cal	W C Willey	1716 4th St, Berkeley 10, Cal	LA6-8750
Fla	E H Case	1152 Cleveland St, Clearwater, Fla	CL39-8221
Ill	F J Norman	222 W. Adams St, Chicago 6, Ill	DE2-7023
Ill	A Swanson	2204 41st St, Moline, Ill	2-7797
Ind	A W Edmond	320 N. Meridian St, Indianapolis 4, Ind	ME5-5374
Kan	J G Murphy	721 Minnesota Ave, Kansas City 1, Kan	AT1-4016
Mass	O H Browne	31 St. James Ave, Boston 16, Mass	HA6-9867
Mich	R E Zoellner	7-124 G M Bldg, Detroit 2, Mich	TR2-4700
Minn	R S Fincke	10908 Russell Ave, S., Minneapolis 20	TU8-2598
Mo	New Departure Div	6611 Clayton Rd, St. Louis 17, Mo	PA6-0108
NY	C S Fleet	1775 Broadway, New York 19, NY	CI6-1540
NY	H C Henry	753 James St, Syracuse 3, NY	GR2-5121
NC	R E Honeycutt	1051 E. Morehead St, Charlotte, NC	FR6-6585
Ohio	New Departure Div	1720 Section Rd, Cincinnati 37, Ohio	WE1-3021
Ohio	R Lutz	20950 Center Ridge Rd, Cleveland 16	ED1-3525
Pa	A Curtis	7 Bala Ave, Bala-Cynwyd, Pa	MO4-5873
Wisc	L H Nordstrom	647 W. Virginia St, Milwaukee 4, Wisc	BR6-4840
	NEW ENGLAND ELECTRICAL WORKS INC.	**365 Main St, Lisbon, NH**	**B-6620**
Ariz	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	GR8-0313
Cal	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	GR8-0313
Colo	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	GR8-0313
Ill	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Iowa	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	TO8-3322
Mo	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Neb	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Nev	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	BR2-5325
NM	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	BR2-5325
Okla	Kay Sales Co	2600 Grand, Kansas City, Mo	BA1-3800
Utah	Service Cable & Wire Inc	2051 Pontius Ave, Los Angeles, Cal	BR2-5325
	NEW ENGLAND ETCHING CO., INC	**25 Spring St, Holyoke, Mass**	**JE3-8482**
	NEW ENGLAND INSTRUMENT CO	**1334 Main St, Waltham, Mass**	**TW9-8370**
Ala	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Alaska	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Ariz	Ash M Wood Co	P.O.Box 1158, Arcadia, Cal	CU3-1201
Ark	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RI2-2027
Cal	Ash M Wood Co	P.O.Box 1158, Arcadia, Cal	CU3-1201
Colo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Conn	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4434
Del	Charles R Hile Co	P.O.Box 144, Paoli, Pa	NI4-5500
DC	Charles R Hile Co	P.O.Box 144, Paoli, Pa	NI4-5500
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Ga	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Idaho	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Ill	David Haysten Co	607 E. Willow Ave, Wheaton, Ill	WO8-7312
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Iowa	George E Harris & Co., Inc	Merchants Nat'l Bank Bldg, Cedar Rapids	EM2-6302
Kan	George E Harris & Co., Inc	3241 E. Douglas, Wichita, Kan	MU2-2731
Ky	R O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
La	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RI2-2027
Me	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Md	Charles R Hile Co	P.O.Box 144, Paoli, Pa	NI4-5500
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Mich	J L Peirce Co	16666 James Couzens Hwy, Detroit, Mich	UN2-2571
Miss	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Mo	George E Harris Co	7811 Carondelet Ave, St. Louis, Mo	VO3-6650
Mont	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
NH	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
NM	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
NY	Cooper-Simon & Co., Inc	400 E. 79th St, New York, NY	LE5-2904
NY	R W Jackson Co	P.O.Box 2668, Buffalo 26, NY	C10894
NC	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Ohio	R O Whitesell & Associates	2600 Far Hills Bldg, Dayton 19, Ohio	AX8-4261
Okla	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	RI2-2027
Ore	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Pa	Charles R Hile Co	P.O.Box 144, Paoli, Pa	NI4-5500
RI	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-4434
SC	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Tenn	The Hilker Co	P.O.Box 5211, Winston-Salem, NC	PA5-8588
Tex	Delzel -Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Utah	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
Vt	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Va	Charles R Hile Co	P.O.Box 144, Paoli, Pa	NI4-5500
Wash	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Wyo	Peyser & Co	1501 N. Weber, Colorado Springs, Colo	ME4-3401
	NEW ENGLAND LAMINATES CO., INC.	**481 Canal St, Stamford, Conn**	**DA4-4181**
Ala	Glenn Associates Inc	2815 S. 18th St, Birmingham 9, Ala	TR9-0561
Ariz	T L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	OS9-1419
Cal	T L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	OS9-1419
Cal	C R Dalton	1037 Laurel St, San Carlos, Cal	LY1-2654
Conn	R H Robinson	P.O.Box 157, Coventry, Conn	PI2-7323
Del	A L Wright	P.O.Box 561, Aromore, Pa	MI2-5113
Fla	Glenn Associates Inc	711 Magnolia Ave, Orlando, Fla	GA5-4169
Fla	Glenn Associates Inc	918 Lanford Ave, Miami 32, Fla	
Ga	Glenn Associates Inc	172 Simpson St, N.W., Atlanta 13, Ga	JA2-4905
Idaho	Paramount Tech Agen	9210 28th St, N.W., Seattle 7, Wash	SL4-6447

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	J B Holland	P.O.Box 213, Addison, Ill	AU7-3020
Ill	L F Florence	406 W. 34th St, Kansas City, Mo	LO1-7282
Ind	Ed Svec	374 Baxter St, Medina, Ohio	PA2-6623
Iowa	J B Holland	P.O.Box 213, Addison, Ill	AU7-3020
Kan	L F Florence	406 W. 34th St, Kansas City, Mo	LO1-7282
Me	R H Robinson	P.O.Box 157, Coventry, Conn	PI2-7323
Md	A L Wright	P.O.Box 561, Ardmore, Pa	MI2-5113
Mass	R H Robinson	P.O.Box 157, Coventry, Conn	PI2-7323
Mich	Plastronics	565- 575 E. Milwaukee Ave, Detroit 2	TR2-7000
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Neb	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
NH	R H Robinson	P.O.Box 157, Coventry, Conn	PI-7323
NJ	A L Wright	P.O.Box 561, Ardmore, Pa	MI2-5113
NJ	C G Kalt	5 May Pl, Port Chester, NY	WE9-1395
NM	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
NY	C G Kalt	5 May Pl, Port Chester, NY	WE9-1395
NY	Grant Warren	White Oak Shade Rd, New Canaan, Conn	WO6-1218
NC	Missuletronics Inc	3389 Nottingham Rd, Winston-Salem, NC	PA3-4205
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Ohio	Ed Svec	374 Baxter St, Medina, Ohio	PA2-6623
Okla	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
Ore	Paramount Tech Agencies	9210 28th St, N.W., Seattle 7, Wash	SU4-6447
Pa	A L Wright	P.O.Box 561, Ardmore, Pa	MI2-5113
RI	R H Robinson	P.O.Box 157, Coventry, Conn	PI2-7323
SC	Missuletronics Inc	3389 Nottingham Rd, Winston-Salem, NC	PA3-4205
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tenn	Missuletronics Inc	3389 Nottingham Rd, Winston-Salem, NC	PA3-4205
Tex	Lawrence Sales Co	P.O.Box 13026, Dallas 20, Tex	FL2-7484
Vt	R H Robinson	P.O.Box 157, Coventry, Conn	PI2-7323
Wash	Paramount Tech Agencies	9210 28th St, N.W., Seattle 7, Wash	SU4-6447
Wisc	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Wisc	J B Holland	P.O.Box 213, Addison, Ill	AU7-3020

	NEW ENGLAND OVEN & FURNACE CO., INC.	**Boston Post Rd, Orange, Conn**	**SY9-2005**
Conn	Lea Manufacturing Co	16 Cherry Ave, Waterbury, Conn	
Fla	[illegible]	P.O. Box 1376, Clearwater, Fla	
Ga	C B Rogers & Associates	1000 Peachtree St, N.E. Atlanta 5, Ga	
Iowa	Midwest Equipment Co of Iowa	842 Fifth Ave, Des Moines 14, Iowa	
Md	Edward L Riehl	Morris Bldg, Baltimore 1, Md	
Md	Charles Pa[illegible]	3801 Warner Ave, Hyattsville, Md	
Minn	[illegible]	831 S. 6th St, Minneapolis, Minn	
NJ	George Pot[illegible]	1057 Carnation Dr, New Milford, NJ	TE6-5429
NY	J P Elliott & Associates	P.O. Box 2637, Buffalo 26, NY	CI1382
NY	[illegible]	1202 Ave "H", Brooklyn 30, NY	DE8-7252
NC	Ranson Wallace & Co	116 E. Fourth St, Charlotte 2, NC	
Ohio	[illegible]	1046 Delta Ave, Cincinnati 8, Ohio	
Okla	Thomas Engineering Co	P.O. Box 7098, Tulsa, Okla	
Pa	[illegible]	501 Florence Ave, Jenkintown, Pa	TU4-0794
RI	Robert F Poyton	23 Mather Ave, Edgewood 5, RI	WI1-1874
Tenn	H R Miles & Associates	2508 Franklin Rd, Nashville 4, Tenn	
Tex	[illegible] Ward Co	3009 Canton St, Dallas 26, Tex	
Tex	[illegible] Ward Co	3605 Polk St, Houston 3, Tex	

	NEW ENGLAND SCIENTIFIC INSTRUMENTS CO	**238 Main St, Cambridge 42, Mass**	**KI7-1997**

	NEW ENGLAND TAPE CO DIV UNITED-CARR FASTENER CORP	**10 Tower St, Hudson, Mass**	**JO2-3485**
Ill	United-Carr Fastener Corp	35 E. Wacker Dr, Chicago 1, Ill	FR2-6693
Ky	United-Carr Fastener Corp	190 Colony Way, Louisville 7, Ky	TW5-1064
Mich	United-Carr Fastener Corp	5006 Lake Forest Dr, Kalamazoo, Mich	FI5-5686
Mich	United-Carr Fastener Corp	2832 E. Grand Blvd, Detroit 11, Mich	TR3-9500
NY	United-Carr Fastener Corp	475 Fifth Ave, New York, NY	MW5-3932
Ohio	United-Carr Fastener Corp	1468 W. 9th St, Cleveland 13, Ohio	TO1-7557

	NEW ENGLAND TRANSFORMER CO	**47 McGrath Hwy, Somerville, Mass**	**SO6-6100**
Conn	Samuel Hooker Co	2 Winchester Pl, Winchester, Mass	PA9-2745
Del	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Fla	Georg Bonman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Ind	Zac-Cowan & Associates	7730 Carondelet, St. Louis, Mo	
Iowa	Zac-Cowan & Associates	7730 Carondelet, St. Louis, Mo	
Kan	Zac-Cowan & Associates	7730 Carondelet, St. Louis, Mo	
Ky	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Me	Samuel Hooker Co	2 Winchester Pl, Winchester, Mass	PA9-2745
Md	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Mo	Zac-Cowan & Associates	7730 Carondelet, St. Louis, Mo	
NH	Samuel Hooker Co	2 Winchester Pl, Winchester, Mass	PA9-2745
NY	Reed & Riddett	1106 Jericho Trnpk, New Hyde Park, NY	FL4-6719
NC	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Pa	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
RI	Samuel Hooker Co	2 Winchester Pl, Winchester, Mass	PA9-2745
Tenn	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Vt	Samuel C Hooker Co	2 Winchester Pl, Winchester, Mass	PA9-2745
Va	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
W. Va	Torroids Unlimited	3830 Terrace St, Philadelphia, Pa	IV2-7178
Canada	Samuel C Hooker Canada Lmt	2425 W. Grand Blvd, Montreal, Canada	

	NEW HAMPSHIRE BALL BEARINGS INC.	**Rt 202, Peterborough, NH**	**WA4-3311**
Cal	New Hampshire Ball Bearings Inc	1540 N. Highland Ave, Hollywood, Cal	HO4-0208
Ill	New Hampshire Ball Bearings Inc	566 Northwest Hwy, Des Plaines, Ill	VA7-5646
NY	New Hampshire Ball Bearings Inc	51 Cutler Mill Rd, Great Neck, NY	HU2-9633

	NEW HERMES ENGRAVING MACHINE CO	**154 W. 14th St, New York 11, NY**	**WA4-7373**

	NEW JERSEY WOOD FINISHING CO	**Amboy Ave, Woodbridge, NJ**	**ME4-1430**
Cal	C D Lamoree	2433 Birkdale St, Los Angeles, Cal	CA5-5666
Cal	C D Lamoree	2221 Fourth St, Berkeley 2, Cal	
Colo	Electric Motor Supply Co	1646 Blake St, Denver 2, Colo	
Conn	John F Kerrigan & Co	P.O. Box 6016, Hamden 17, Conn	AT8-2200
Ga	Electrical Insulation Suppliers Inc	500 Means St. N.W., Atlanta, Ga	JA5-2707
Ill	Insulation Manufacturers Corp	565 W. Washington Blvd, Chicago 6, Ill	CE6-7320
Md	Brooks Electrical Supply Co., Inc	205 W. 28th St, Baltimore, Md	HO7-2473
Mich	Insulation Manufacturers Corp	7430 Second Blvd, Detroit, Mich	TR5-3103
Mo	Hippler Sales Co	1135 Cheshire Ln, Webster Groves, Mo	WO1-8499
Mo	White Supply Co	4343 Duncan Ave, St Louis, Mo	FR1-2616
NJ	Electrical Insulation Sales Co	P.O. Box 315, Rutherford, NJ	GE6-5349
NY	Hanna & Ferguson	75 Winton Rd, S. Rochester, NY	BR1-8871
NY	J P Scanlon	51 Bloomfield Pl, Rochester, NY	
NY	Punt Inc	P.O. Box 178, Floral Park, NY	FL2-1742
Ohio	Insulation Manufacturers Corp	1231 Superior Ave, N.E., Cleveland, Ohio	SU1-2310
Ohio	Insulation Manufacturers Corp	120 W. Second St, Dayton, Ohio	BA4-4515
Okla	John H Cole Co	1825 W. Main St, Oklahoma City, Okla	
Ore	C E Riggs Inc	422 N.W. 8th St, Portland, Ore	CA6-3286
Pa	Insulation Manufacturers Corp	Oliver Bldg, Pittsburgh, Pa	GR1-7100
Pa	Earl B Beach Co	P.O. Box 8623, Pittsburgh, Pa	CH2-0400
Pa	Earl B Beach Co	P.O. Box 604, Clifton Heights, Pa	MA6-7000
Tex	Summers Electric Co	1502 S. Good Latimer Expwy, Dallas, Tex	RI3658
Tex	Summers Electric Co	1101 St Emanuel At Lamara, Houston	
Wash	C E Riggs Inc	408 Occidental Ave, Seattle, Wash	
Wisc	Insulation Manufacturers Corp	2040 W. Wisconsin Ave, Milwaukee, Wisc	

	NEW JERSEY ZINC CO	**160 Front St, New York 38, NY**	**WH3-5700**
Cal	New Jersey Zinc Co	4560 E. 50th St, Los Angeles 58, Cal	LU2-7311
Cal	New Jersey Zinc Co	95 Market St, Oakland 4, Cal	TE6-0741
Ill	New Jersey Zinc Co	221 N. LaSalle St, Chicago 1, Ill	FI6-1469
Mass	New Jersey Zinc Co	137 Kneeland St, Boston 11, Mass	HL2-1227
Ohio	New Jersey Zinc Co	1007 Natl City Bk Bldg, Cleveland 14	MA1-1101

	NEW LONDON INSTRUMENT CO	**Box 189, New London, Conn**	
Ariz	Hyde Electronics	5206 Constitution Ave, Albuquerque, NM	
Cal	Roland O anger & Co	6313 Santa Monica Blvd, Los Angeles, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	
Del	Engineer Associates	2125 Maryland Ave, Baltimore, Md	
DC	Engineer Associates	2125 Maryland Ave, Baltimore, Md	
Fla	Scientific Sales Engineer Co	918 Snoll Isle Blvd, St. Petersburg, Fla	
Fla	Scientific Sales Engineer Co	2162 Piedmont Rd, Atlanta, Ga	
Ga	Scientific Sales Engineer Co	2162 Piedmont Rd, Atlanta, Ga	
Miss	Scientific Sales Engineer Co	2162 Piedmont Rd, Atlanta, Ga	
Nev	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
NM	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM	
NC	Scientific Sales Engineer Co	2881 S. Main St, Winston Salem, NC	
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash	
SC	Scientific Sales Engineer Co	2162 Piedmont Rd, Atlanta, Ga	
Va	Engineer Associates	2125 Maryland Ave, Baltimore, Md	
Wash	Engineer Associates	2125 Maryland Ave, Baltimore, Md	

	NEW ROCHELLE THERMATOOL CORP	**320 Main St, New Rochelle, NY**	**NE2-5555**
Foreign	Frederick J Trotter	16 Berkeley St, London W1, England	MA2135
Foreign	Forel Equipment Corp	165 Broadway, New York 6, NY	CO7-4256

	NEW YORK COIL CO., INC.	**Phoenixville 12, Pa**	**WE3-3114**
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
DC	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Md	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
NJ	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090
W. Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	TR7-9090

	NEW YORK SOLDER CO	**684 E. 133 St, New York 54, NY**	**CY2-3740**

	NEW YORK TRANSFORMER CO., INC.	**Third Ave, Alpha, NJ**	**GL4-1143**
NY	W H Zimmerman Co	112 De Witt St, Syracuse, NY	
Pa	D G Quinlan Co	National Bank Bldg, Ambler, Pa	

	NEWARK CONTROLS CO	**15 Ward St, Bloomfield, NJ**	
Cal	Charles Meriam	5017 Telegraph Rd, Los Angeles 22, Cal	
Minn	Industrial Representatives Co	4 E. 14th St, Minneapolis 3, Minn	FE9-4979

	NEWARK WIRE CLOTH CO	**353 Verona Ave, Newark, NJ**	**HU3-7700**

	NEWBERG INDUSTRIAL CASE CO	**61 Greenpoint Ave, Brooklyn, NY**	**EV3-8282**
Il	Louis G Bacher Associates	4216 W. Division St, Chicago 51, Ill	BE5-6601
NY	R E Breuer Co	10 Columbus Circle, New York 19, NY	CO5-0440

	NEWBURY INDUSTRIES INC	**Box B, Newbury, Ohio**	**JO4-2286**
NY	Technical Product Co	369 Lexington Ave, New York 17, NY	MU3-6137

	NEWCASTLE FABRICS CORP	**80 Wythe Ave, Brooklyn 11, NY**	**ST2-5560**
Ala	Paul Hayden Associates	P.O.Box 1931, Birmingham, Ala	AL1-8271
Cal	George Davis Sales Co	2119 S. Atlantic Blvd, Los Angeles, Cal	
Cal	Logan Sales Co	154 Eighth St, San Francisco, Cal	HE1-0692
Colo	W B Gollher	1559 Chester St, Aurora, Colo	
Conn	Paul W Nief Associates	15 Oak St, Westport, Conn	
Fla	Paul Hayden Associates	1060 N.E. 180th Terr, N. Miami Beach	WI5-5793
Ga	Paul Hayden Associates	682 Lindbergh Dr, N.E., Atlanta, Ga	CE3-4743
Ga	Paul Hayden Associates	P.O.Box 331, East Point, Ga	PO6-0261
Idaho	Dougherty Enterprises	149 Kaimi St, Lanikai, Hawaii	
Ill	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	
Ind	Thomas & Sukup Co	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Mich	Lee & Hale Co	10432 W. McNichols, Detroit, Mich	UN3-4161
Minn	Ray Ripley	7222 James Ave, S., Minneapolis, Minn	
Mo	Terwilliger Sales Co	9904 High Dr, Kansas City, Mo	
NY	Sol Verter	2352 E. 66th St, Brooklyn, NY	HI4-3880
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo, NY	
NC	Paul Hayden Associates	423 W. 5th St, Burlington, NC	CA7-3479
Ohio	Les A Morrow Co	3123 W. 117th St, Cleveland, Ohio	
Ore	Roger Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	
Pa	Hal Blumenstein	123 Crosshill Rd, Philadelphia, Pa	
Tex	Charles Lucas Sales Co	P.O.Box 8506, Dallas, Tex	
Canada	Lew Finkler	1794 Avenue Rd, Toronto, Canada	
Canada	Conbro Imports Ltd	8900 Tangcay, Montreal, Canada	
Canada	D Eldon McLennan	1624 W. Third Ave, Vancouver, BC, Canada	
Foreign	E D Magnus & Associates	188 W. Randolph Ave, Chicago, Ill	

	NEWCOMB AUDIO PRODUCTS CO	**6824 Lexington Ave, Hollywood 38, Cal**	**HO9-5381**
Cal	William J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
Colo	Cox Sales Co	1221 S. Colorado Blvd, Denver, Colo	PE3-6772
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CI1-4574
Md	Morris F Taylor Co	P.O.Box 111, Silver Spring, Md	JU9-4002
Mass	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
Mich	Shalco Inc	23525 Woodward Ave, Ferndale 20, Mass	LI7-4771
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GI3-3038
Mo	Lee M Maynard Co	139 N. Central, Clayton 5, Mo	PA5-3723
NY	Paston-Hunter Co	P.O.Box 123, DeWitt Sta, Syracuse, NY	GI6-2180
NY	Harry N Reizes	1473 Sylvia Ln, E. Meadow, NY	IV3-1928
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA6-4148
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631

	NEWCOMB SPRING CORP	**228 College Hwy, Valley Stream, NY**	
Ariz	E J Foley & Associates	3840 N. Jokake Dr, Scottsdale, Ariz	
Conn	Newcomb Spring of Conn Inc	College Hwy, Southington, Conn	MA8-5581
Ga	Newcomb Spring of Atlanta Inc	1200 Spring St, Atlanta, Ga	
Mass	Joseph Stone	P.O.Box 367, Wilmington, Mass	
Mich	Robert B Lamb	2335 W. McNichols Dr, Detroit, Mich	
NY	Industrial Service Supply Co	79 Main St, Binghamton, NY	
Pa	T Scott Eavenson	5005 N. 10th St, Philadelphia, Pa	

	NEWMAN CORP, M M	**79 Clifton Ave, Marblehead, Mass**	**NE1-0637**

	NEWMARKET TRANSISTORS LTD	**Exning Rd, Newmarket, Suffolk, England**	**NE3381**

	NEWPORT SCIENTIFIC CO	**638 W. 17th St, Costa Mesa, Cal**	**MI6-4891**

	NEWTH RUBBER CO	**Barrington, RI**	**CH5-8050**

	NEWTON CO	**55 Elm St, Manchester, Conn**	**MI3-1543**
Cal	Kennematt Co	Box 2007, Van Nuys, Cal	ST5-1503
Conn	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
NY	Barker Co	288 Old Country Rd, Mineola, NY	PI6-0481
Tex	Harper Co	3274 Bramard St, Houston 27, Tex	JA4-3995

	NEY CO., J M	**Maplewood Ave, Bloomfield, Conn**	**CH2-2281**
Ariz	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Cal	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Idaho	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Ill	A J MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288
Ind	A J MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288
Iowa	A J MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288
Mich	A J MacDonald	345 Baltimore Dr, N.E., Grand Rapids	GL4-0288
Minn	A J MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288
Nev	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Ohio	A MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288
Ore	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Utah	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Wash	R C Miltmore	535 N. Armel Dr, Covina, Cal	ED1-5716
Wisc	A J MacDonald	345 Baltimore, N.E., Grand Rapids, Mich	GL4-0288

	NIAGARA ELECTROM LABS	**Main & Greenwood Sts, Andover, NY**	**AN2684**

	NICAD DIV GOULD-NATIONAL BATTERIES INC.	**Easthampton, Mass**	**1200**
Ariz	T A Ford Co., Inc	402 Agostino Rd, San Gabriel, Cal	CU3-5116
Ark	J D Williams	203 E. Markham St, Little Rock, Ark	FR2-3446
Cal	T A Ford Co., Inc	402 Agostino Rd, San Gabriel, Cal	CU3-5116
Cal	K M Ryals Co	141 King St, San Francisco 7, Cal	YU6-1625
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver 21, Colo	CE3-6436
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
Del	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
DC	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Fla	David & Park Co	1841 Fox Circle, Clearwater, Fla	3-97304
Ga	David & Park Co	1841 Fox Circle, Clearwater, Fla	3-97304
Hawaii	American Factors Limited	P.O. Box 3230, Honolulu 1, Hawaii	
Idaho	Leonard M Slusser Co	318 Dooly Block, Salt Lake City, Utah	EL5-2322
Ill	Nicad Div Gould- National Batteries Inc	195 Olympia Plaza, Chicago Heights	SK5-5999
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ill	Petefish-Kemp Engineering Co	6414a Hampton Ave, St. Louis 9, Mo	FL1-2175
Ind	Calvin D Arnold	911 N. Pennsylvania St, Indpls 4, Ind	ME4-3811
Ind	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Iowa	Electrical Jobbers Equipment Co	619 Fourth Ave, S., Minneapolis 15, Minn	FE6-6321
Iowa	F C Clatterbaugh	P.O. Box 152, Omaha, Neb	TE-2905
Kan	Lynn Elliott Co	832 Law Bldg, Kansas City, Mo	VI2-4197
Ky	Arthur N Ulrich Co	Box 6584, Bexley Branch, Columbus 9, Ohio	BE7-3084
Ky	Calvin D Arnold	911 N. Pennsylvania St, Ind	ME4-3811
La	Mid-South Sales Co., Inc	4424-B Earhart Blvd	TU4683
Me	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Md	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Mich	E F Walter	3049 E. Grand Blvd, Detroit 2, Mich	TR2-4420
Minn	Electrical Jobbers Equipment Co	619 Fourth Ave, S., Minneapolis 15, Minn	FE6-6321
Miss	Mid-South Sales Co., Inc	4424-B Earhart Blvd, New Orleans 25, La	TU4683
Mo	Lynn Elliott Co	832 Law Bldg, Kansas City, Mo	VI2-4197
Mo	Petefish-Kemp Engineering Co	6414a Hampton Ave, St. Louis 9, Mo	FL1-2175
Mont	Monitor Distributors Inc	604 Utah Ave, Butte, Mont	8916
Neb	Lynn Elliott Co	832 Law Bldg, Kansas City, Mo	VI2-4197
Neb	F C Clatterbaugh	P.O. Box 152, Omaha, Neb	TE-2905

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Nev	K M Ryals Co	141 King St, San Francisco 7, Cal	YU5-1625
Nev	Leonard M Slusser Co	318 Dooly Block, Salt Lake City, Utah	EL5-2322
NH	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	R L Ringer Co	P.O. Box 114, Glen Rock, NJ	GI4-1434
NJ	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
NM	Associated Engineers	511 Hawkins Rd, El Paso, Tex	PR2-3233
NY	Nicad Div Gould-National Batteries, Inc	7 Dey St, New York 7, NY	COT-2515
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	R L Ringer Co	P.O. Box 114, Glen Rock, NJ	GI4-1434
NC	David & Parx Co	1841 Fox Circle, Clearwater, Fla	3-97304
ND	Electrical Jobbers Equipment Co	619 Fourth Ave, S., Minneapolis 15, Minn	FE6-6321
Ohio	John L Hutton Co	P.O. Box 2918, Cleveland 16, Ohio	ED3-2190
Ohio	Arthur N Ulrich Co	Box 6584, Bexley Branch, Columbus 9	BE7-3084
Okla	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Andrew L Polich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
Pa	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
RI	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
SC	David & Park Co	1841 Fox Circle, Clearwater, Fla	3-97304
SD	Electrical Jobbers Equipment Co	619 Fourth Ave, S., Minneapolis 15, Minn	FE6-6321
Tex	Associated Engineers	511 Hawkins Rd, El Paso, Tex	PR2-3233
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Utah	Leonard M Slusser Co	318 Dooly Block, Salt Lake City, Utah	EL5-2322
Vt	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Va	Robert L Wilkinson Inc	707 Stevenson Ln, Towson 4, Md	DR7-7800
Wash	Andrew L Polich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
Wisc	Electrical Jobbers Equipment Co	619 Fourth Ave, S., Minneapolis 15, Minn	FE6-6321
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Wyo	Automatic Control & Equipment Co	5750 Pecos St, Denver 21, Colo	GE3-6436
Wyo	Leonard M Slusser Co	318 Dooly Block, Salt Lake City, Utah	EL5-2322
Canada	Standard Elec Time Co Can Ltd	726 St. Felix St, Montreal P.Q., Canada	UN6-2811
Foreign	M Castro Fernandez & Co., Inc	Tetuan St, No. 152, San Juan, Puerto Rico	SA2-3082
Foreign	Equipex, S. A., Edificio Galipan	Apt 4607 Este, Caracas, Venezuela, S A	
	NICHOLS & CLARK INC	**321 Newburyport Trnpk, Methuen, Mass**	**SP4-3300**
	NICHOLS CO., W H	**Waltham 54, Mass**	**TW4-0650**
Conn	The Robert E Morris Co	P.O. Box 41, West Hartford 7, Conn	AD3-3663
	NICHOLS LTD., R H	**4544 Dufferin St, Toronto, Ont, Canada**	**ME3-8190**
Foreign	R H Nichols Ltd	620 Vancouver Block, 736 Granville St, Vancouver, BC, Canada	MU3-0019
	NICHOLS PRODUCTS CO	**323 W. Main St, Moorestown, NJ**	**BE5-0477**
	NIELSEN HARDWARE CORP	**770 Wethersfield Ave, Hartford 1, Conn**	**JA2-8145**
Cal	R B Winto	21131 N. Roycove Dr, Covina, Cal	
Ill	C E Mix	333 N. Michigan Ave, Chicago 1, Ill	
	NIEMAND BROS INC	**45-10 94th St, Elmhurst 73, NY**	**TW8-1616**
	NILSEN MFG CO	**22 N.Church, Addison, Ill**	**KI3-6800**
	NIPCO MFG CO., LTD	**1-36 Otsuchinoshi, Deitoku, Tokyo, Japan**	
	NIPPON ELECTRIC CO LTD	**Shibo-Mita, Tokyo, Japan**	
	NOBLE & WESTBROOK MFG CO	**27 Westbrook St, East Hartford 8, Conn**	**BU9-2717**
Ala	Philip Seibert	P.O. Box 9176, Birmingham, Ala	AL2-5153
Ariz	Harron Rickard & McCone	4111 E. Pasadena Ave, Phoenix, Ariz	
Cal	E W Denny	P.O. Box 44-692, Los Angeles 44, Cal	NE6-5590
Cal	Harry M Smith & Associates	1341 Old County Rd, Belmont, Cal	LY3-7389
Del	Norman R Jones	109 Rutledge Ave, Rutledge, Pa	KI3-2147
DC	Norman R Jones	109 Rutledge Ave, Rutledge, Pa	KI3-2147
Fla	Philip Seibert	P.O. Box 9176, Birmingham, Ala	AL2-5153
Ga	Prince Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
Ill	E L Essley Machinery Co	565 W. Washington Blvd, Chicago 6, Ill	
Ill	John J Normoyle Co	607 Third Ave, Moline, Ill	
Ind	Paul W Benedict	1027 E. Georgia St, Indianapolis, Ind	IR5413
Ky	C K Richie & Associates	3236 Little York Rd, Dayton 14, Ohio	TW6-5283
La	Dixie Mill Supply Co., Inc	Tchoupitoulas & St. Joseph St, New Orleans 6, La	
Md	Norman R Jones	109 Rutledge Ave, Rutledge, Pa	KI3-2147
Mich	Cornell Tool Co	570 Livernois, Ferndale 20, Mich	LI8-1540
Minn	Chas W Stone Co	1019 Marquette Ave, Minneapolis 3, Minn	
NJ	O A Muenz Co	99 Lincoln Park, Newark 2, NJ	MI2-8530
NY	Wm G Harvey Co	1813 South Ave, Syracuse, NY	GR8-3203
NC	Prince Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
Ohio	C K Richie & Associates	3236 Little York Rd, Dayton 14, Ohio	TW6-5283
Ohio	Peerless Tool Service	3628 Detroit Ave, Toledo 12, Ohio	KI5781
Pa	Moltch & Merryweather Machinery Co	717 Liberty Ave, Pittsburgh, Pa	
SC	Prince Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
Tenn	Hicks Machine Tool Co	673 S. Cooper St, Memphis 11, Tenn	
Tex	Huster Machine Tool Co	1836 Grauwyler Rd, Dallas 19, Tex	
Va	Price Equipment Co	1005 Lakewood Dr, Monroe, NC	AT3-4788
Wisc	Clarence W Binzel	808 N. Third St, Milwaukee, Wisc	
	NON-LINEAR SYSTEMS INC	**Box 728, Del Mar, Cal**	**SK5-1134**
Ala	W A Brown & Associates	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Ark	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA3-4657
Cal	Western Marketing Div	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3705
Cal	C W Mauldin Co	441 W. California St, Palo Alto, Cal	DA6-5291
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Del	Eastern Marketing Div	20th & K St, N.W., Washington, DC	
DC	Eastern Marketing Div	20th & K St, N.W., Washington, DC	
Fla	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Ga	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Non-Linear Systems Inc	1915 N. Harlem Ave, Chicago, Ill	
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8323 E. Indianapolis, Wichita, Kan	MU3-3751
Ky	Hugh Marsland & Co	6730 E. 19th St, Indianapolis, Ind	FL6-4249
La	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Me	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Md	Eastern Marketing Div	20th & K St, N.W., Washington, DC	CR3-4192
Mass	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
Mich	Game Engineering Co	1474 E. Outer Dr, Detroit, Mich	FO6-5353
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn	LI5-4481
Miss	W A Brown & Associates	3405 Lookout Dr, S.E., Huntsville, Ala	JE6-8393
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Neb	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	EM5-6183
Nev	Western Marketing Div	1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3705
NH	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
NJ	Northeastern Marketing Div	641 Franklin Ave, Nutley, NJ	NO1-1228
NM	Brooks Feeger & Associates	1122-C San Mateo, S.E., Albuquerque, NM	AM6-1724
NY	Northeastern Marketing Div	641 Franklin Ave, Nutley, NJ	NO1-1228
NY	SBM Associates Inc	969 Clinton Ave, S., Rochester, NY	GR3-6506
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
ND	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn	LI5-4481
Ohio	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
Okla	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Pa	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
RI	The Howard J Schuft Co	815 Washington St, Newtonville, Mass	LA7-5304
SC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
SD	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn	LI5-4481
Tenn	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	TI1086
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Utah	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Vt	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago, Ill	OR6-1100
Wyo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Canada	Aeromotive Engrg Products Ltd	147 Hymus Blvd, Pointe Claire, Que, Can	OX7-0810
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-5112
	NONOTUCK MFG CO	**1010 Water St, Holyoke, Mass**	**JE4-4509**
	NOPCO CHEMICAL CO PLASTICS DIV	**175 Schuyler Ave, North Arlington, NJ**	**WY8-3555**
Cal	Nopco Chemical Co Plastics Div	4858 Valley Blvd, Los Angeles, Cal	CA1-3128
NJ	Nopco Chemical Co Plastics Div	60 Park Pl, Newark 2, NJ	HU1-3128
	NORBATROL ELECTRONICS CORP	**356 Collins Ave, Pittsburgh 6, Pa**	**EM3-2020**
	NORDEN DIV UNITED AIRCRAFT CORP	**58 Commerce Rd, Stamford, Conn**	**DA5-2611**
Cal	James May	10920 Wilshire Blvd, Los Angeles 24, Cal	BR2-9523
DC	Leon Wiles	425 13th St, N.W., Washington, DC	ME8-6432
Ohio	Lawrence Gerber	11 W. Monument Ave, Dayton 2, Ohio	BA8-4481
	NORRMAN LABORATORIES, ERNST	**Williams Bay, Wisc**	**CI5-5516**
	NORTH AMERICA ELECTRONICS	**910 2nd Ave, N., Birmingham 4, Ala**	
	NORTH AMERICAN ELECTRIC LAMP CO	**1520 N. 13th St, St. Louis 6, Mo**	**CE1-2585**
Cal	F J Airey Co	1513 S. Mateo St, Los Angeles, Cal	
Ga	Carl Henry	4987 Long Island Dr, Atlanta 5, Ga	
Ill	Rick & Selleg	549 W. Washington Blvd, Chicago 6, Ill	
Mich	H D Robertson	19365 Evergreen Rd, Detroit 19, Mich	
NY	Manhattan Sales Co	250 Fulton St, New York 7, NY	
	NORTH AMERICAN ELECTRONICS INC	**71 Linden St, West Lynn, Mass**	**LY8-4800**
Alaska	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Ariz	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
Colo	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Fla	Mark Electronic Sales Co	410 Northeast 147th Terr, N. Miami 61, Fla	WI7-5080
Idaho	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Iowa	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Kan	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Md	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	ST7-2072
Mass	V J Huntoon Co	908 Belmont St, Springfield 8, Mass	ST8-8516
Mass	V J Huntoon Co	272 Centre St, Newton 58, Mass	BI4-5871
Mich	R C Merchant & Co., Inc	18411 W. McNichols, Detroit 19, Mich	KE5-6000
Minn	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	TU1-9166
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mont	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Neb	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Nev	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NM	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NC	Lewis Slubin & Co	2305 Fairmont Ave, Philadelphia 30, Pa	ST7-2072
ND	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	TU1-9166
Ohio	Electro-Com	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Okla	Allied Components Inc	2517 Converse St, Dallas 7, Tex	RI2-2830
Ore	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Pa	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	ST7-2072
SD	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	TU1-9166
Tex	Allied Componets Inc	2517 Converse St, Dallas 7, Tex	RI2-2830
Utah	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Va	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia 30, Pa	ST7-2072
Wash	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
W. Va	Electro-Com	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Wisc	Bonament Heyda	6101 Auto Club Rd, Minneapolis 20, Minn	TU1-9166
Wyo	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Foreign	Sylvan Ginsbury Limited	8 W. 40th St, New York 18, NY	LO4-7585
	NORTH ATLANTIC INDUSTRIES INC	**Terminal Dr, Plainview, NY**	**OY1-8600**
Ala	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Colo	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Conn	Brogan Associates Inc	603 Main St, Westbury NY	ED3-4555
Del	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
DC	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Idaho	Stanley Enterprises	Boeing Field, Seattle 8, Wash	PA3-3320
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Ill	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Ind	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Iowa	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Kan	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Me	Brogan Associates Inc	200 Boyleston St, Chestnut Hill 67, Mass	WO9-9560
Md	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
Mass	Brogan Associates Inc	200 Boyleston St, Chestnut Hill 67, Mass	WO9-9560
Miss	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Mo	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
Mont	Stanley Enterprises	Boeing Field, Seattle 8, Wash	PA3-3320
Neb	Engineering Services Co	6635 Delmar, St. Louis 5, Mo	VO3-3660
NH	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NJ	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
NM	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	
Ohio	Electro-Sales Corp	281 E. 216 St, Cleveland, Ohio	
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Ore	Stanley Enterprises	Boeing Field, Seattle 8, Wash	PA3-3320
Pa	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	
Tenn	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Tex	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Va	Fred F Bartlett & Co	P.O. Box 126, Wayne, Pa	MU8-7325
Wash	Stanley Enterprises	Boeing Field, Seattle 8, Wash	PA3-3320
Wisc	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Wyo	Parrish Electronics	1810 S. St. Paul, Denver 10, Colo	SK6-6884
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Que, Can	UN6-7367
	NORTH ELECTRIC CO	**553 S. Market St, Galion, Ohio**	**HO8-2420**
Ala	C V Schuster	674 Merritt Dr, Mobile, Ala	GR1-1922
Ariz	H E Peters	105 Roundup Rd, Glendora, Cal	EDS-6017
Ark	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
Cal	Ronald Butts	105 Roundup Rd, Glendora, Cal	EDS-6017
Colo	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-6881
Ill	Ray Rosenkoetter	5640 S. Laflin St, Chicago 36, Ill	RE7-3512
Ill	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
Mass	Richard M Purinton Inc	11 Muzzey St, Lexington 73, Mass	VO2-8300
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
Mont	Zak Cowan & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	BA1-3800
NY	Pierre Van Valkenburgh	55 W. 42nd St, New York 36, NY	CH4-1416
NY	J V Guercio	410 Wilbur St, Oneida, NY	2320
ND	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Ohio	William F Tidd	553 S. Market St, Galion, Ohio	HO8-2420
Okla	E F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Ore	C & H Supply Co	Adminis Bldg, Boeing Fld, Seattle 8, Wash	PA2-8111
SD	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Tex	E F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Wash	C & H Supply Co	Adminis Bldg, Boeing Fld, Seattle 8	PA2-8111
Wisc	Zak Cowan & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
	NORTH HILLS ELECTRIC CO., INC	**Glen Cove, NY**	**OR1-5700**
Cal	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
Cal	G H Vaughan Co	Box 1253, Palo Alto, Cal	
Conn	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
Fla	Wm J Brinkley Co	4501-4th St, St. Petersburg, Fla	HE6-1014
Iowa	Engineering Products Associates	182 University Ave, St. Paul 4, Minn	MI6-3443
Me	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
Mass	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
Minn	Engineering Products Associates	182 University Ave, St. Paul 4, Minn	MI6-3443
NH	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NJ	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
ND	Engineering Products Associates	182 University Ave, St. Paul 4, Minn	MI6-3443
RI	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
SD	Engineering Products Associates	182 University Ave, St. Paul 4, Minn	MI6-3443
Vt	L K Ingber Co	41 Cross St, W. Newton, Mass	DE2-8574
Wisc	Engineering Products Associates	182 University Ave, St. Paul 4, Minn	MI6-3443
	NORTH & JUDD MFG CO	**500 E. Main St, New Britain, Conn**	**BA3-3621**
Cal	Wilcox-Crittenden Co., Inc	1213 Rollins Rd, Burlingame, Cal	DI2-4452
Cal	H Harold Andersen	3234 N. Steven Ave, S. San Gabriel, Cal	CU3-2626
Ga	North & Judd Mfg Co., Inc	2640 Cove Circle, Atlanta, Ga	ME6-4926
Ill	North & Judd Mfg Co of Ill	300 W. Congress Pkwy, Chicago, Ill	HA7-7316
Mass	North & Judd Mfg Co	69 Mayo Rd, Wellesley, Mass	CE5-9073
Mich	North & Judd Mfg Co	350 Eastlawn St, Detroit, Mich	VA2-4090
Minn	North & Judd Mfg Co	8233 Oakland Ave, Bloomington, Minn	TU8-1143
Miss	North & Judd Mfg Co	3065 Marwood Dr, Jackson, Miss	DR2-1287
Mo	North & Judd Mfg Co	411 N. 10th St, St. Louis, Mo	CH1-1181

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	North & Judd Mfg Co	307 Colvin Ave, Buffalo 16, NY	BE0380
NY	North & Judd Mfg Co	153 Waverly Pl, New York 14, NY	OR5-3220
Pa	North & Judd Mfg Co	623 Penfield Ave, Havertown, Pa	GR6-6113
Tex	North & Judd Mfg Co	4233 Colgate St, Dallas, Tex	EM8-8185
Wash	Ralston R Cunningham Associates Inc	71 Columbia St, Seattle, Wash	MA2-2340
Canada	J G Treiber	4333 Cedar Dr, St. Genevieve, P Q, Can	NA6-5768
	NORTH SHORE NAMEPLATE A DIV OF ANODYNE INC	**214-27 Northern Blvd, Bayside 61, NY**	**BA4-4000**
	NORTHEAST ELECTRONICS CORP	**P. O. Box 425, Concord, NH**	**CA5-6641**
Tex	Robert B Stockdale Associates Inc	3115 Buffalo Dr, Houston 19, Tex	JA8-0683
	NORTHEAST SCIENTIFIC CORP	**30 Wetherbee St, Acton, Mass**	**CO3-7706**
	NORTHEASTERN ENGINEERING INC	**P. O. Box 150, Manchester, NH**	**NA3-6485**
Ala	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-501
Ark	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FP8-4582
Del	Eastern Associates Inc	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
DC	Eastern Associates Inc	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
Fla	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-Ins-Co	2354 Ewing Dr, N.E., Atlanta 19, Ga	
Idaho	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Idaho	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Ill	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA8-1761
Iowa	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA8-1761
Kan	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
La	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
Me	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Md	Eastern Associates Inc	5547 Balt Nat'l Pike, Baltimore 28, Md	RI4-3676
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Miss	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA8-1761
Mont	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA8-1761
NH	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
NJ	Eastern Associates Inc	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
NJ	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NM	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
NY	Technical Instruments Inc	916 Liverpool Rd, Liverpool, NY	OL2-2534
NY	Central Associates Inc	29 Ranch Ln, Levittown, NY	PE5-4783
NC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ohio	Frederic L Ohmer & Associates	P.O. Box 2013, Kettering Branch Dayton	AX3-4530
Okla	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
RI	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
SC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Tenn	Col-Ins Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Tex	Industrial Associates Elec	5007 E. Lancaster, Ft. Worth 12, Tex	JE5-2056
Utah	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Va	Eastern Associates Inc	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
Wash	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
W.Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Canada	Computing Devices of Canada Lto	P.O. Box 508, Ottawa 4, Ontario, Canada	PA8-1761
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	
	NORTHERN ENGINEERING LABS INC	**372 Wilmot Ave, Burlington, Wisc**	**RO3-3591**
Ariz	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Conn	DeVeer Sales Engineering Co	1492 Needham Ave, Needham 92, Mass	HI4-4200
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	
Ill	Ed Schmeichel Co	5968 W. Chicago Ave, Chicago, Ill	ES8-2070
Ind	Ed Schmeichel Co	5968 W. Chicago Ave, Chicago, Ill	ES8-2070
Me	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Mass	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Mich	Ed Schmeichel Co	5968 W. Chicago Ave, Chicago, Ill	ES8-2070
Nev	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
NH	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
RI	DeVeer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Va	DeVeer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Wisc	Ed Schmeichel Co	5968 W. Chicago Ave, Chicago, Ill	ES8-2070
	NORTHERN METAL PRODUCTS CO	**9597 W. Grand, Franklin Park, Ill**	**GL5-6222**
	NORTHERN PLASTICS CORP	**Second & Market Sts, LaCrosse, Wisc**	**4-6070**
Ala	Northern Plastics Corp	Hamilton Bank Bldg, Chattanooga 2, Tenn	6-6890
Ariz	Northern Plastics Corp	11437 Danube Ave, Granada Hills, Cal	EM1-2088
Cal	Northern Plastics Corp	1046 S. Olive St, Los Angeles, Cal	RI7-1749
Cal	Northern Plastics Corp	217 Cupertino Way, San Mateo, Cal	FI1-3191
Colo	Northern Plastics Corp	1196 Bannock St, Denver 23, Colo	SH4-3196
Del	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
Fla	Northern Plastics Corp	Hamilton Bank Bldg, Chattanooga 2, Tenn	6-6890
Ga	Northern Plastics Corp	Hamilton Bank Bldg, Chattanooga 2, Tenn	6-2893
Ill	Norplex Sales Co	6272 W. North Ave, Chicago 39, Ill	NA2-6212
Ill	Phelan & Tramelli	7206 Northmoor Dr, St. Louis 5, Mo	PA1-7784
Ind	Northern Plastics Corp	Box 338, South Whitley, Ind	
Kan	Northern Plastics Corp	785 N. Woodlawn, Derby, Kan	SU8-1726
Md	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
Mich	Northern Plastics Corp	11211 Morang Dr, Detroit 24, Mich	VE3-4592
Mich	Northern Plastics Corp	Box 338, South Whitley, Ind	VE350
Minn	Northern Plastics Corp	801 S. E. 8th St, Minneapolis 14, Minn	FE9-7701
Mo	Northern Plastics Corp	7206 Northmoor Dr, St. Louis 5, Mo	PA1-7784
Nev	Northern Plastics Corp	217 Cupertino Way, San Mateo, Cal	FI1-3191
NJ	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
NY	Northern Plastics Corp	167 Fairhaven Rd, Rochester 10, NY	BU8-0756
NY	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
NC	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
Ohio	Northern Plastics Corp	27326 Donald Dr, Bay Village, Ohio	ED3-0569
Okla	Northern Plastics Corp	5531 Dyer St, Dallas 6, Tex	EM8-8811
Pa	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
Tenn	Northern Plastics Corp	Hamilton Bank Bldg, Chattanooga 2, Tenn	6-2893
Tex	Northern Plastics Corp	5531 Dyer St, Dallas 6, Tex	EM8-8811
Va	Northern Plastics Corp	9 E. Athens Ave, Ardmore, Pa	MI9-2643
	NORTHERN RADIO CO., INC	**143-145 W. 22nd St, New York 11, NY**	**WA9-9117**
	NORTHERN RESEARCH & ENGRG CORP	**238 Main St, Cambridge 42, Mass**	**KI7-5873**
	NORTHROP CORP	**1001 E. Broadway, Hawthorne, Cal**	**OR8-9111**
	NORTHWEST PLASTICS INC	**65 Plato Ave, St. Paul 1, Minn**	**CA7-6686**
Conn	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Del	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
DC	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Fla	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Ga	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Ill	Russ Diethert Co	2030 W. Montrose, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co	2030 W. Montrose, Chicago 18, Ill	LO1-7627
Md	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Mass	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Mich	H H Schultz & Co	644 New Center Bldg, Detroit, Mich	TR5-1030
NJ	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
NY	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
NC	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Ohio	H H Schultz & Co	644 New Center Bldg, Detroit, Mich	TR5-1030
Pa	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
RI	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
SC	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Va	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Wash	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
W. Va	Russ Diethert Co	P. O. Box 510, Gastonia, NC	UN5-3771
Wisc	Russ Diethert Co	1130 N. Water St, Milwaukee 2, Wisc	DI2-7484
	NORTON ASSOCIATES INC	**240 Old Country Rd, Hicksville, NY**	**OV1-6181**
	NORTON CO	**1 New Bond St, Worcester 6, Mass**	**SW8-2511**
Cal	Norton Co	5905 Pacific Blvd, Los Angeles, Cal	
Conn	Norton Co	10 Cross Rd Plaza, W. Hartford, Conn	
Ga	Norton Co	5200 Peachtree Rd, Chamblee, Ga	
Ill	Norton Co	4737 S. Christiana Ave, Chicago, Ill	
Ind	Norton Co	1301 W. 16th St, Indianapolis, Ind	
Mich	Norton Co	5805 Lincoln Ave, Detroit 8, Mich	
Mo	Norton Co	4805 Bingham Ave, St. Louis, Mo	
NY	Norton Co	Green & North St, Teterboro, NJ	
Ohio	Norton Co	1306 E. 55th St, Cleveland 3, Ohio	
Pa	Norton Co	4732 Stenton Ave, Philadelphia, Pa	
Pa	Norton Co	1130 Butler Plank Rd, Pittsburgh, Pa	
	NORTRONICS CO., INC	**1017 S.Sixth St, Minneapolis 4, Minn**	**FE9-7417**
Alaska	Dave Champlin Co	12528 22nd N.E., Seattle 55, Wash	EM2-0401
Ariz	Barstow & Doran Inc	647 Avenida Feliz, Tucson, Ariz	MA2-6351
Ark	W R Hays Co	3416 Rosedale, Dallas 5, Tex	EM3-2021
Cal	Barstow & Doran Inc	1406 S. Grand Ave, Los Angeles, Cal	RI9-0438
Cal	Nickerson-Gray & Assoc Inc	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Conn	Marvin Grossman	30 Ithaca Circle, Newton Lwr Fls, Mass	DE2-7481
Fla	Winfield Electronic Sales Co	666 N. E. 125th St, N. Miami, Fla	PL1-5566
Hawaii	Barstow & Doran Inc	98-136 Hekada St, Aiea, Hawaii	504-138
Idaho	Dave Champlin Co	12528 22nd N.E., Seattle 55, Wash	EM2-0401
Ill	Irving W Rose	126 Merchandise Mart, Chicago 54, Ill	SU7-5246
Ind	Irving W Rose	126 Merchandise Mart, Chicago 54, Ill	SU7-5246
Iowa	Robert Shaw Co	7800 Kennridge Ln, Webster Groves 19, Mo	WO2-4590
Kan	Robert Shaw Co	7800 Kennridge Ln, Webster Groves 19, Mo	WO2-4590
La	W R Hays Co	3416 Rosedale, Dallas 5, Tex	EM3-2021
Me	Marvin Grossman	30 Ithaca Circle, Newton Lwr Fls, Mass	DE2-7481
Mass	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls	DE2-7481
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
Minn	Clothier Sales Co	12 W. 58th, Minneapolis, Minn	TA5-1234
Mo	Robert Shaw Co	7800 Kennridge Ln, Webster Groves 19, Mo	WO2-4590
Mont	Dave Champlin Co	12528 22nd N.E., Seattle 55, Wash	EM2-0401
Neb	Robert Shaw Co	7800 Kennridge Ln, Webster Groves 19, Mo	WO2-4590
Nev	Nickerson-Gray & Assoc	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Nev	Barstow & Doran Inc	1406 S. Grand Ave, Los Angeles 15, Cal	RI9-0438
NH	Marvin Grossman	30 Ithaca Circle, Newton Lwr Fls, Mass	DE2-7481
NJ	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
NY	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
ND	Clothier Sales Co	12 W. 58th, Minneapolis, Minn	TA5-1234
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Okla	W R Hays Co	3416 Rosedale, Dallas 5, Tex	EM3-2021
Ore	Dave Champlin Co	12528 - 22nd N.E., Seattle 55, Wash	EM2-0401
Pa	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
RI	Marvin Grossman	30 Ithaca Circle, Newton Lwr Fls, Mass	DE2-7481
SD	Clothier Sales Co	12 West 58th, Minneapolis, Minn	TA5-1234
Tex	W R Hays Co	3416 Rosedale, Dallas 5, Tex	EM3-2021
Vt	Marvin Grossman	30 Ithaca Circle, Newton Lwr Fls, Mass	DE2-7481
Wash	Dave Champlin Co	12528 22nd N.E., Seattle 55, Wash	EM2-0401
W. Va	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Wisc	Irving W Rose	126 Merchandise Mart, Chicago 54, Ill	SU7-5246
	NOSTRAND METAL FABRICATORS	**323 Lexington Ave, Brooklyn, NY**	**NE8-9472**
	NOTHELFER WINDING LABS INC	**P. O. Box 455, Trenton 3, NJ**	**TU2-2500**
	NUCLEAR-CHICAGO CORPORATION	**333 E. Howard Ave, Des Plaines, Ill**	**YA7-4456**
Cal	Nuclear-Chicago Corp	1063 Colorado Blvd, Los Angeles 41	CL5-4711
Cal	Nuclear-Chicago Corp	205 E. Third Ave, San Mateo, Cal	DI4-7011
DC	Nuclear-Chicago Corp	8226 Fenton St, Silver Spring, Md	JU8-2862
Ga	Nuclear-Chicago Corp	3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-0151
Ill	Nuclear-Chicago Corp	5769 N. Lincoln Ave, Chicago 45, Ill	LO1-0626
Mass	Nuclear-Chicago Corp	751 Main St, Waltham 54, Mass	TW4-7733
NY	Nuclear-Chicago Corp	1449 E. Gunhill Rd, New York 69, NY	TU1-2211
Tex	Nuclear-Chicago Corp	5738 N. Central Expwy, Dallas 6, Tex	TA4-1829
	NUCLEAR CORP OF AMERICA	**2 Richwood Pl, Denville, NJ**	**OA7-4200**
Ala	Taylor Engineering Inc	2100 St. Paul St, Baltimore, Md	BE5-9126
Ark	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Cal	Isotopes Specialties Co., Inc	170 W. Providentia, Burbank, Cal	
Conn	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass	
Del	Taylor Engineering Inc	2100 St. Paul St, Baltimore, Md	BE5-9126
Fla	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	
Ga	Taylor Engineering Inc	711 Magnolia Ave, Orlando, Fla	
Ind	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Kan	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Ky	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
La	Gamma Industries	622 Oklahoma St, Baton Rouge, La	
Me	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass	
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore, Md	BE5-9126
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline, Mass	
Minn	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Miss	Gamma Industries	622 Oklahoma St, Baton Rouge, La	
Mo	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Neb	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
NH	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	
NJ	Robert Marshall	201 S. Broadway, Camden 3, NJ	
NC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Ohio	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Ore	Richard Legg & Co	1633 N.W. 21st St, Portland 9, Ore	
Pa	Atomasters-Buntaine Corp	11 W. Jewell Ave, St. Louis 22, Mo	TA2-1961
Pa	Robert Marshall	201 S. Broadway, Camden 3, NJ	
SC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tenn	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	
Wash	Richard Legg & Co	1633 N.W. 21st Ave, Portland 9, Ore	
W. Va	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	
Canada	X-Ray & Radium Co	Toronto, Canada	
Foreign	Tel-Tech Inc	431-5th Ave, New York 16, NY	
	NUCLEAR DEVELOPMENT LABORATORY	**P. O. Box 7034, Kansas City, Mo**	**DE3-7692**
	NUCLEAR ELECTRONICS CORP	**2925 N. Broad St, Philadelphia 32, Pa**	**BA6-2300**
Ark	Atomasters-Butaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Cal	R L Pfleiger Co., Inc	1652 Laurel St, San Carlos, Cal	LY1-0396
Colo	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Ind	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Iowa	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Kan	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Ky	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Mass	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
Me	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
Mich	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Minn	Atomasters-Byntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Mo	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Nev	R L Pfleiger Co., Inc	1652 Laurel St, San Carlos, Cal	LY1-0396
NH	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
NJ	Marcy Associates	1776 Broadway, New York, NY	CI5-3880
NM	Elton K Kelley	336 E. Fourth St, Loveland, Colo	NO7-1376
NY	Marcy Associates	1776 Broadway, New York, NY	CI5-3880
Ohio	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Okla	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
RI	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
Tex	R E Salter	208 Sidney St, Houston 3, Tex	WA3-8720
Utah	Elton K Kelley	336 E. Fourth St, Loveland, Colo	NO7-1376
Vt	Lin Associates	76 Strathmore Rd, Brighton 46, Mass	BE2-9446
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Wisc	Atomasters-Buntaine Corp	111 W. Jewel Ave, St. Louis 22, Mo	TA2-1961
Wyo	Elton K Kelley	336 E. Fourth St, Loveland, Colo	NO7-1376
Canada	Electrodesign	9124 St. Lawrence Blvd, Montreal, Que	DU9-5914
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750
	NUCLEAR MEASUREMENTS CORP	**2463 N. Arlington, Indianapolis 18, Ind**	**LI6-2415**
Ala	Roy Attaway Co	Huntsville, Ala	JE2-2811
Ariz	Carl Hermann Associates	Palo Alto, Cal	DO3-2793
Ark	Alto Engineering Co	2712 Mockingbird Ln, Dallas, Tex	FI1-0010
Cal	Carl Hermann Associates	P.O. Box 1179, Palo Alto, Cal	DO3-2793
Cal	Carl Hermann Associates	551 E. Walnut St, Pasadena, Cal	SY2-0702
Colo	Uranium Corner	2153 Broadway, Denver, Colo	TA5-4841
Conn	Nucleonic Distributors	Marblehead, Mass	NE1-0637
Del	Hildenbrand Co	P.O.Box 1060, Fairfax, Va	CR3-2334
DC	Hildenbrand Co	P.O.Box 1060, Fairfax, Va	CR3-2334
Fla	Roy Attaway Co	7703 Meadowglen Dr, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Hawaii	Rocke International	13 E. 40th, New York City	MU9-0200
Idaho	Carl Hermann Associates	P.O. Box 1179, Palo Alto, Cal	DO3-2793
Ill	Atomasters	111 W. Jewel Ave, St. Louis, Mo	
Ill	Electronic Aides	1105 W. Lawrence Ave, Chicago, Ill	LO1-1042
Iowa	Atomasters	111 W. Jewel Ave, St. Louis, Mo	TA2-1961
Kan	Atomasters	111 W. Jewel Ave, St. Louis, Mo	TA2-1961
La	Alto Engineering Co	2712 Mockingbird Ln, Dallas, Tex	FI1-0010

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Nucleonic Distributors	79 Clifton Ave, Marblehead, Mass	NE1-0637
Md	Hildenbrand Co	P.O.Box 1060, Fairfax, Va	CR3-2334
Mass	Nucleonic Distributors	79 Clifton Ave, Marblehead, Mass	NE1-0637
Mich	Martin Vogt	1328 Maxwell Ave, Royal Oak, Mich	LI1-1192
Mo	Atomasters	111 W. Jewel Ave, St. Louis, Mo	TA2-1961
Neb	Atomasters	111 W. Jewel Ave, St. Louis, Mo	TA2-1961
Nev	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DO3-2793
NH	Nucleonic Distributors	79 Clifton Ave, Marblehead, Mass	NE1-0637
NJ	Wm Kramer	P.O. Box 164, Levittown, NY	PE1-0445
NM	Carl Herrmann Associates	319 2a W. San Fransisco, Santa Fe, NM	22881
NY	Nucleonic Distributors	79 Clifton, Marblehead, Mass	NE1-0637
NY	William Kramer	P.O. Box 164, Levittown, NY	PE1-0445
NC	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Ohio	Lael Associates	2255 Bellfield, Cleveland Heights, Ohio	YE2-3220
Okla	Alto Engineering Co	2712 Mockingbird Ln, Dallas, Tex	FI1-0010
Ore	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DO3-2793
RI	Nucleonic Distributors	79 Clifton Ave, Marblehead, Mass	NE1-0637
SC	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Tenn	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Tex	Alto Engineering	2712 Mockingbird Ln, Dallas, Tex	FI1-0010
Utah	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DO3-2793
Vt	Nucleonic Distributors	79 Clifton, Marblehead, Mass	NE1-0637
Va	Hildenbrand Co	Box 1060, Fairfax, Va	CR3-2334
Wash	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DO3-2793
W.Va	Hildenbrand Co	Box 1060, Fairfax, Va	CR3-2334
Foreign	Rocke International J deBarros	13 E. 40th St, New York City	MU9-0200
	NUCLEONIC CORP OF AMERICA	**196 Degraw St, Brooklyn 31, NY**	**MA4-7470**
	NUCLEONIC PRODUCTS CO	**1601 Grande Vista Ave, L A 23, Cal**	**AM2-3503**
Ill	Proctor Sales Co	3401 W. Diversey Ave, Chicago 47, Ill	HU9-2700
Ind	Jack Weber	9007 El Rico Rd, Indianapolis 20, Ind	VI6-0504
NJ	S S Egert Co	93 Reade St, New York 13, NY	WO4-0996
NJ	A Wetterhahn Co	538 Buena Vista, Maple Shade, NJ	NO2-1611
NY	Samuel S Egert Co	97 Reade St, New York 13, NY	WO4-0996
Ohio	Walter J Braver & Associates	15631 Lakewood Hgts Blvd, Cleveland 7	LA1-7768
Pa	A Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ	NO2-1611
Canada	J B Smyth	380 Craig St, W., Montreal, Canada	AV8-6281
	NUGENT ELECTRONICS CO., INC.	**802 E.Eighth St, New Albany, Ind**	**WH5-0211**
Cal	Ash M Wood Co	P.O.Box 1031, W. Arcadia, Cal	CU3-1201
Cal	Featherstone & Salisbury Co	1355 Market St, San Francisco 3, Cal	KL2-2311
Fla	Paul Griffin	5601 Florida Ave, Tampa, Fla	
Ill	Loren Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Richard C Warner & Associates	P.O. Box 338, S. Whitley, Ind	PH350
Ky	M F Eobank	424 Vista Ct, Mt. Sterling, Ky	1261-W
Mass	Stanley B Pierce	583 McFonset St, Norwood, Mass	NO7-3164
Minn	The Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Mo	Fred Somers & Co	17th & Main Sts, Kansas City, Mo	GR1-1355
NY	D J Keller	848 Bryant Ave, New Hyde Park, NY	
NY	Dage Corp Mfg Export Mgrs	219 E. 44th St, New York 17, NY	MU2-6755
NY	C R Mayer	Brittersweet Pl, Huntington, NY	HI8-2406
NY	J P Scanlon	51 Bloomfield Pl, Rochester 20, NY	GR3-7553
Ohio	Arnold Clark	4269 Brombaugh Blvd, Dayton 6, Ohio	
Ohio	Jack V Hudnell	629 Lexington Ave, Terrace Park, Ohio	TE1-2316
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Howell Sales Inc	2029 McGilva Blvd, Seattle 2, Wash	EA2-3209
Canada	E G Lomas	227 Laurier Ave, W., Ottawa, Ontario	CE2-8504
	NUMBERALL STAMP & TOOL CO	**Huguenot Pk, Staten Island 12, NY**	
Cal	John W Bell	601 S. Vermont Ave, Los Angeles 5, Cal	DU8-7104
Colo	John W Bell	601 S. Vermont Ave, Los Angeles 5, Cal	DU8-7104
	NUTMEG SCREW MACHINE PRODUCTS CO	**P. O. Box 1470, Waterbury, Conn**	**PL7-1496**
	NUTRON MFG CO., INC	**67 Monroe Ave, Staten Island 1, NY**	**GI7-3229**
Ala	Electronic Associates	3131 Piedmont Rd, N.E., Atlanta 5, Ga	CE3-3293
Ariz	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-5219
Cal	Featherstone & Salisbury	1355 Market St, San Francisco 3, Cal	KL2-2311
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	NO5-5219
Conn	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Fla	Electronic Associates	3131 Piedmont Rd, N.E., Atlanta 5, Ga	CE3-3293
Ga	Electronic Associates	3131 Piedmont Rd, N.E., Atlanta 5, Ga	CE3-3293
Mass	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
NH	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Ore	Howell Sales Inc	2029 McGilvra Blvd, Seattle 2, Wash	EA2-3209
RI	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
SC	Electronics Associates	3131 Piedmont Rd, N.W., Atlanta 5, Ga	CE3-3293
Tenn	Electronic Associates	3131 Piedmont Rd, N.W., Atlanta 5, Ga	CE3-3293
Vt	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Wash	Howell Sales Inc	2029 McGilvra Blvd, Seattle 2, Wash	EA2-3209
Canada	Conway Electronic Enterprises	1514 Eglinton Ave, W., Tor 10, Ont, Canada	RU3-6676
	NYLOK CORP., THE	**611 Industrial Ave, Paramus, NJ**	**CO1-9400**
Ariz	Kiva Sales Co	3713 E. Indian School Rd, Phoenix, Ariz	WH5-3577
Cal	The Nylok Corp	133 Penn St, El Segundo, Cal	EA2-5772
Conn	Northeast Sales Engineering Co	3031 Dixwell Ave, Hamden, Conn	CH8-4481
Del	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
DC	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Idaho	Factors Inc	P.O. Box 337, Bellevue, Wash	GL4-9571
Ill	The Nylok Corp	8046 Central Park Ave, Skokie, Ill	OR4-9680
Ind	O E M Sales Co	P.O. Box 55232, Indpls, Ind	LI5-1267
Ky	Monroe & Co	3329 Reading Rd, Cincinnati, Ohio	WO1-7534
Me	Northeast Sales Engr Co	3031 Dixwell Ave, Hamden, Conn	CH8-4481
Md	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Mass	Northeast Sales Engr Co	3031 Dixwell Ave, Hamden, Conn	CH8-4481
Mich	Gehringer & Forsyth	16151 James Couzens Hwy, Detroit 21	DI1-8900
Minn	Barry & Sewall Industrial Supply Co	1731 Chicago Ave, Minneapolis, Minn	
Mo	Strother & Associates Inc	P.O. Box 3, Normandy Sta, St. Louis, Mo	PA1-5997
Mont	Factors Inc	P.O. Box 337, Bellevue, Wash	GL4-9571
NJ	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
NM	Kiva Sales Co	3713 E. Indian School Rd, Phoenix, Ariz	WH5-3577
NY	Russell Associates Inc	165 Orinoco Dr, Brightwaters, NY	MO6-6500
ND	Barry & Sewall Ind Supply Co	1731 Chicago Ave, Minnpls, Minn	
Ohio	R D Cistone & Associates	210 Heights, Cleveland Hgts 18, Ohio	FA1-0999
Ohio	Monroe & Co	3329 Reading Rd, Cincinnati, Ohio	WO1-7534
Okla	Airco Supply Co	P.O. Box 128, Grand Prairie, Tex	
Ore	Factors Inc	P.O. Box 337, Bellevue, Wash	GL4-9571
Pa	S Ray Simon & Associates	300 Michaels Dr, Irwin, Pa	OR3-5975
RI	Northeast Sales Engineering Co	3031 Dixwell Ave, Hamden, Conn	CH8-4481
Tex	Airco Supply Co	P.O. Box 128, Grand Prairie, Tex	
Va	Valley Forge Associates	Anro Bldg, Devon, Pa	MU8-5103
Wash	Factors Inc	P.O. Box 337, Bellevue, Wash	GL4-9571
Wisc	Barry & Sewall Ind Supply Co	1731 Chicago Ave, Minneapolis, Minn	
Wisc	The Strehlow Co	6227 W. Greenfield Ave, Milwaukee, Wisc	GR6-4004
Wyo	Factors Inc	P.O. Box 337, Bellevue, Wash	GL4-9571
Foreign	Guest Keen & Nettle Folds Ltd	Box 24, Heath St, Birmingham, England	
Foreign	Simmonds S A	3 Rue S De Rothschild Seresne, France	
Foreign	Sudd Kolbenbolzenfabrik, GMBH	Ehrenholde 11, Stuttgart, North Germany	
	NYLTITE CORP OF AMERICA	**282 Badger Ave, Newark 8, NJ**	**BI2-4545**
	OMCO	**U S 93 & Los Palomas St, Kingman, Ariz**	
	OAK MFG CO	**1260 Clybourn Ave, Chicago 10, Ill**	**MO4-2222**
	OAKITE PRODUCTS INC	**79 Rector St, New York 6, NY**	**WH3-0940**
Cal	Oakite Products Inc	681 Market St, San Francisco 5, Cal	YU2-6582
Cal	Oakite Products Inc	1001 E. First St, Los Angeles 12, Cal	MA5-1544
Conn	Oakite Products Inc	410 Asylum St, Hartford 3, Conn	CH7-8323
Ga	Oakite Products Inc	Palmer Bldg, Atlanta 3, Ga	MU8-1995
Ill	Oakite Products Inc	400 N. Michigan Ave, Chicago 11, Ill	SU7-8058
Ky	Oakite Products Inc	Commonwealth Bldg, Louisville 2, Ky	JL7-1321
Mich	Oakite Products Inc	General Motors Bldg, Detroit 2, Mich	TR5-6330
Mo	Oakite Products Inc	406 W. 34th St, Kansas City 11, Mo	WE1-6619
Mo	Oakite Products Inc	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8200
NY	Oakite Products Inc	19 Rector St, New York 6, NY	WH3-0940
NY	Oakite Products Inc	315 Alexander St, Rochester 4, NY	BA5-3377
Ohio	Oakite Products Inc	850 Euclid Ave, Cleveland 14, Ohio	CH1-0672
Pa	Oakite Products Inc	42 S. 15th St, Philadelphia 2, Pa	LO7-7660
Pa	Oakite Products Inc	733 Washington Rd, Pittsburgh 28, Pa	LO1-4611
Tex	Oakite Products Inc	1509 Main St, Dallas 1, Tex	RI7-2589
Wisc	Oakite Products Inc	757 N. Broadway, Milwaukee 2, Wisc	BR7-6440
Canada	Oakite Products Inc	8 Berkeley St, Toronto 2, Ont, Canada	EM6-5054
	OAKTRON ELECTRIC CO	**Tinley Park, Ill**	
	OFFNER ELECTRONICS INC	**3900 River Rd, Schiller Park, Ill**	**GL1-0050**
Ala	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Alaska	Rush S Drake Associates Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	WH6-3504
Ark	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Cal	Electronic Engineering Assoc Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
Cal	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal	HO9-6313
Colo	Gene French Co	3395 S. Bannock St, Englewood, Colo	SL9-3551
Conn	Instrument Assoc	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Del	Gawler-Knoop Co	807 E. Seminary Rd, Towson 4, Md	EN9-3151
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-5633
Ga	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Idaho	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3551
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	KE9-4838
Ill	Pivan Engineering Co	6055 N. College Ave, Indpls 20, Ind	CL3-0444
Ind	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	KE9-4838
Ind	Pivan Engineering Co	6055 N. College Ave, Indianapolis 20, Ind	CL3-0444
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	KE9-4838
Kan	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Pivan Engineering Co	6055 N. College Ave, Indpls 20, Ind	CL3-0444
Ky	Ridgway Assoc	3130 Far Hills Ave, Dayton 29, Ohio	AX3-2167
La	Southwest Electronic Ind	4515 Prentice St, Dallas Tex	EM3-1671
Md	Gawler-Knoop Co	807 E. Seminary Rd, Towson 4, Md	EN9-3151
Mass	Instrument Assoc	30 Park Ave, Arlington 74, Mass	MI8-2922
Mich	Ridgway Assoc	1204 N. Woodward Ave, Royal Oak, Mich	LI6-3312
Miss	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6717 Vernon, St. Louis 30, Mo	VO3-3660
Mont	Rush S Drake Associates Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Neb	Engineering Services Co	1305 Oakland Grds, Cedar Rapids, Iowa	EM5-6183
Nev	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	AM8-2478
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NJ	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	TU4-8805
NM	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM	AM8-2478
NY	SBM Associates	969 Clinton Ave, S., Rochester 20, NY	GR3-6506
NY	SBM Associates	9 Highland Ave, Albany 5, NY	HE8-5381
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Ohio	Ridgway Associates	5915 Schaaf Rd, Cleveland 31, Ohio	LA4-1421
Ohio	Ridgway Associates	3130 Far Hills Ave, Dayton 29, Ohio	AX3-2167
Okla	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Ore	Rush S Drake Associates Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
Pa	Ridgway Associates	5915 Schaaf Rd, Cleveland 31, Ohio	LA4-1421
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	TU4-8805
RI	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
SC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Tenn	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
Tenn	Murphy & Cota	250 Governors Dr, S.E., Huntsville, Ala	JE6-9121
Tex	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Tex	Southwest Electronic Ind	3815 Richmond Ave, Houston, Tex	MA3-5775
Utah	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3551
Vt	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI8-2922
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Rush S Drake Associates Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545
W.Va	Ridgway Associates	5915 Schaaf Rd, Cleveland 31, Ohio	LA4-1421
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	KE9-4838
Wyo	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3551
	OHIO CARBON CO	**12508 Berea Rd, Cleveland 11, Ohio**	**CL2-6100**
Ala	Strausz Inc	344 Williams St, Atlanta 3, Ga	MU8-1928
Ariz	C F Bowers	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
Cal	C F Bowers	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
Cal	G M Eichmeyer	554 Bryant St, San Fracisco 7, Cal	EX2-8890
Conn	H A Hurlbut	P.O. Box 65, Mountain Lakes, NJ	DE4-0709
Del	J F Ehlers	356 N. Gay St, Baltimore 2, Md	MU5-4523
DC	J F Ehlers	356 N. Gay St, Baltimore 2, Md	MU5-4523
Fla	B W Lewis	3411 S. Peninsula Dr, Daytona Beach, Fla	CL3-7303
Ga	Strausz Inc	344 William St, Atlanta 3, Ga	MU8-1928
Idaho	C F Bowers	544 S. San Pedro St, L A 13, Cal	MA8-2354
Ill	E & J Specialties Co	3429 W. Diversey, Chicago 47, Ill	SP2-5533-4
Ill	E & J Specialties Co	3429 W. Diversey, Chicago 47, Ill	SP2-5533
Ill	L Eschner	20 N. Wacker Dr, Chicago 6, Ill	CE6-1533
Ind	C K Warble	1637 Gent Ave, Indpls 2, Ind	ME2-1485
Iowa	F C Somers & Co	315 Grand Ave, Kansas City 8, Mo	GR1-1355
Kan	F C Somers & Co	315 Grand Ave, Kansas City 8, Mo	GR1-1355
Ky	C K Warble	1637 Gent Ave, Indpls 2, Ind	ME2-1485
La	J L Kater	1902 Bell Ave, Houston 1, Tex	CA8-6663
Me	C H MacAuley	56 Forrest St, Lexington, Mass	VO2-4576
Md	J F Ehlers	356 N. Gay St, Baltimore 2, Md	MU5-4523
Mass	C H MacAuley	56 Forrest St, Lexington, Mass	VO2-4576
Mich	W F Sietman	RFD2, Brighton, Mich	AC9-7863
Minn	F E Reed	1408 First Ave, S., Minnpls 3, Minn	FE9-7411
Mo	F C Somers & Co	500 Davidson Bldg, Kansas City 8, Mo	GR1-1355
Mont	F E Reed	1408 First Ave, S., Minnpls 3, Minn	FE9-7411
Neb	F C Somers & Co	500 Davidson Bldg, Kansas City 8, Mo	GR1-1355
Nev	C F Bowers	544 S. San Pedro St, L A 13, Cal	MA8-2354
NH	C H MacAuley	56 Forrest St, Lexington, Mass	VO2-4576
NJ	H A Hurlbut	P.O. Box 65, Mountain Lakes, NJ	DE4-0709
NM	C F Bowers	544 S. San Pedro St, Los Angeles 13, Cal	MA8-2354
NY	H A Hurlbut	P.O. Box 65, Mountain Lakes, NJ	DE4-0709
NY	W E Daw	753 James St, Syracuse, NY	GR9-6658
NC	R L Price	2915 Corbieshaw Rd, Roanoke, Va	DI2-3788
ND	F E Reed	1408 First Ave, S., Minnpls 3, Minn	FE9-7411
Ohio	F P Kobert	1507 Sherbrook Rd, S. Euclid 21, Ohio	EV1-6361
Ohio	M J Leahy	1089 Elmore Ave, Columbus 24, Ohio	AM7-4051
Ore	W C Groshart	318 Occidental Ave, Seattle 4, Wash	MA2-4161
Pa	W E Daw	753 James St, Syracuse, NY	GR9-6658
Pa	W B Lucas	1087 Center St, Mentor, Ohio	ME5-2764
RI	C H MacAuley	56 Forrest St, Lexington, Mass	VO2-4576
SC	L P Tebo	1985 Cascade Rd, S.W., Atlanta 11, Ga	PL8-4357
SD	F E Reed	1408 First Ave, S., Minnpls 3, Minn	FE9-7411
Tenn	Wm Allen	3602 Woodmont Ln, Nashville 5, Tenn	CY2-4426
Tex	J L Kater	1902 Bell Ave, Houston 1, Tex	CA8-6663
Vt	C H MacAuley	56 Forrest St, Lexington, Mass	VO2-4576
Va	J F Ehlers	356 N. Gay St, Baltimore 2, Md	MU5-4523
Wash	W C Groshart	318 Occidental Ave, Seattle 4, Wash	MA2-4161
W.Va	W B Lucas	1087 Center St, Mentor, Ohio	ME5-2764
Wisc	H J Hoeft	3161 W. Drury Ln, Milwaukee 15, Wisc	EV3-2773
Wyo	F E Reed	1408 First Ave, S., Minneapolis 3, Minn	FE9-7411
	OHIO CRANKSHAFT CO TOCCO DIV	**3800 Harvard Ave, Cleveland 5, Ohio**	**DI1-2300**
Ala	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
Ariz	The Ohio Crankshaft Co	2202 S. Hill St, Los Angeles, Cal	AN2-5624
Ark	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Cal	C P Bidle	2202 S. Hill St, Los Angeles, Cal	AN2-5624
Cal	John E Frederick	256 Sutter St, San Francisco 8, Cal	EX7-0065
Colo	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Conn	Kenneth Stumpf	993 Farmington Ave, W. Hartford, Conn	AO3-1768
Del	William M Moore	Malin Rd, Broomall, Pa	EL6-1848
DC	William M Moore	Malin Rd, Broomall, Pa	EL6-1848
Fla	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
Ga	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
Idaho	The Ohio Crankshaft Co	2202 S. Hill St, Los Angeles, Cal	AN2-5624
Ill	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Ind	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Iowa	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Kan	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Ky	Elmer L Myers	P.O. Box 927, Cincinnati 1, Ohio	ED1-2113
Ky	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
La	The Ohio Crankshaft Co	2005 White Settlement Rd, Ft. Worth 14, Tex	ED5-4112
Me	Kenneth Stumpf	993 Farmington Rd, W. Hartford, Conn	AO3-1768
Md	William M Moore	Malin Rd, Broomall, Pa	EL6-1848
Mass	Kenneth Stumpf	993 Farmington Rd, W. Hartford, Conn	AO3-1768
Mich	The Ohio Crankshaft Co	30100 Stephenson Hwy, Madison Heights	JO4-6880
Minn	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Miss	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
Mo	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Mont	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Neb	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Nev	The Ohio Crankshaft Co	2202 S. Hill St, Los Angeles, Cal	AN2-5624
NH	Kenneth Stumpf	993 Farmington Ave, W. Hartford, Conn	AO3-1768
NJ	Irving Hochhauser	158 Diamond Ave, E. Meadow, NY	PE5-6991
NJ	William M Moore	Malin Rd, Broomall, Pa	EL6-1848
NM	The Ohio Crankshaft Co	2202 S. Hill St, Los Angeles, Cal	AN2-5624
NY	Kenneth R Kelly	1298 Freeport Rd, Pittsburgh 38, Pa	ST2-2221
NY	Kenneth Stumpf	993 Farmington Rd, W. Hartford, Conn	AO3-1768
NY	Irving Hochhauser	158 Diamond Ave, E. Meadow, NY	PE5-6991
NC	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
ND	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Ohio	Elmer L Myers	P.O. Box 927, Cincinnati 1, Ohio	ED1-2113
Okla	M H Shaw	2005 White Settlement Rd, Ft. Worth, Tex	ED5-4112
Ore	John E Frederick	256 Sutter St, San Francisco 8, Cal	EX7-0065
Pa	Kenneth R Kelly	1298 Freeport Rd, Pittsburgh 38, Pa	ST2-2221
Pa	William M Moore	Malin Rd, Broomall, Pa	EL6-1848
RI	Kenneth Stumpf	993 Farmington Rd, W. Hartford, Conn	AO3-1768
SC	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
SD	The Ohio Crankshaft Co	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Tenn	George E Stearns	P.O. Box 3405, Birmingham 5, Ala	FA4-1615
Tex	M H Shaw	2005 White Settlement Rd, Ft. Worth 14, Tex	ED5-4112
Utah	The Ohio Crankshaft Co	2202 S. Hill St, Los Angeles, Cal	AN2-5624

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Kenneth Stumpf	963 Farmington Rd, W. Hartford, Conn.	AD3-1768
Va	William M Moore	Malin Rd, Broomall, Pa	EL6-1849
Wash	John E Frederick	256 Sutter St, San Francisco 8, Cal	EX7-0065
W Va	Elmer L Myers	P.O. Box 927, Cincinnati 1, Ohio	ED1-2113
Wisc	The Ohio Crankshaft Co.	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
Wyo	The Ohio Crankshaft Co.	6600 S. Nashville Ave, Chicago 38, Ill	RE5-6646
	OHIO SEAMLESS TUBE DIV COPPERWELD STEEL CO	**Shelby, Ohio**	**3-1010**
	OHMART CORP	**2236 Bogen St, Cincinnati, Ohio**	**PA1-2302**
Ala	Gaugger Engineering Co., Inc	Box 9065, Birmingham 13, Ala	TR1-8443
Ala	Williams Equipment Co	3020 Scenic Hwy, Baton Rouge, La	EL-54646
Ariz	Crown Berkley Engineering Inc	2439 Riverside Dr, Los Angeles 39, Cal	NO5-1251
Ariz	STEPCO	1035 E. Side Rd, El Paso, Tex	
Ark	Engineered Instrument Sales Co	Box 9947, Memphis 12, Tenn	FA3-1275
Cal	Crown Berkley Engineering Inc	2439 Riverside Dr, Los Angeles 39, Cal	NO5-1251
Cal	IMCO Equipment Co	1980 Mountain, Oakland 11, Cal	OL5-6073
Colo	ESCO	171 Vallejo St, Denver 23, Colo	SH4-2737
Del	Penn-Del Instrument Sales Co	709 Bethlehem Pike, Philadelphia, Pa	CH7-7389
DC	George Goodman Co	103 E. 25th St, Baltimore, Md	BE5-5570
Fla	Gaugger Engineering Co., Inc	Box 9065, Birmingham 13, Ala	TR1-8443
Fla	Williams Equipment Co	3020 Scenic Hwy, Baton Rouge, La	EL-54646
Ga	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Hawaii	Crown Berkley Engineering Inc	Box 3856, Honolulu 12, Hawaii	
Ill	E B Miller Co	10117 Manchester Rd, St. Louis 22, Mo	YO6-8250
Ill	Norman Engineering Co	2115 W. Marquette, Chicago 36, Ill	HE4-2300
Ill	Norman Engineering Co	2500 N. Main St, Rockford, Ill	RO5-0357
Ind	Norman Engineering Co	1627 Southeast Dr, South Bend, Ind	AT9-9836
Iowa	Norman Engineering Co	Box 431, Davenport, Iowa	DA7-9849
La	Industrial Scientific Inc	4543 North Blvd, Baton Rouge, La	DI8-3616
La	Williams Equipment Co	3020 Scenic Hwy, Baton Rouge, La	EL5-4646
Md	George Goodman Co	103 E. 25th St, Baltimore, Md	BE5-5570
Mass	Owen C Jones & Co	26 Thayer Rd, Waltham 54, Mass	IV9-0011
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit 27, Mich	VE7-8820
Mich	Ramsey Engineering Co	1853 W. County Rd C St. Paul 13, Minn	ME3-5150
Minn	Ramsey Engineering Co	1853 W. County Rd C, St. Paul 13, Minn	ME3-5150
Miss	Engineered Instrument Sales Co	Box 9947, Memphis 12, Tenn	FA3-1275
Miss	Williams Equipment Co	3020 Scenic Hwy, Baton Rouge, La	EL-54646
Mo	E B Miller Co	10117 Manchester Rd, St. Louis 22, Mo	YO6-8250
Nev	Crown Berkley Engineering Inc	2439 Riverside Dr, Los Angeles 39, Cal	NO5-1251
Nev	IMCO Equipment Co	1980 Mountain, Oakland 11, Cal	OL5-6073
NJ	George H Birchall Co., Inc	Box 84, Westfield, NJ	AD2-3600
NJ	Penn-Del Instrument Sales Co	709 Bethlehem Pike, Philadelphia, Pa	CH7-7389
NY	George H Birchall Co., Inc	Box 84, Westfield, NJ	AD2-3600
NY	Owen C Jones & Co	26 Thayer Rd, Waltham 54, Mass	IV9-0011
NY	Ralph C Schwarz & Sons	75 College Ave, Rochester 7, NY	RA6396
NY	Ralph C Schwarz & Sons	91 Tremont St, N. Tonawanda, NY	LU7433
NC	MacGuire Instrument Co	3214 Highview Rd, Charlotte, NC	EM6-3454
ND	Ramsey Engineering Co	1853 W. County Rd C, St. Paul 13, Minn	ME3-5150
Ohio	Biltmore Products Co., Inc	1501 Potomac Ave, Pittsburgh 16, Pa	LO3-0808
Ohio	Process Valve & Equipment Co	4517 Brook Park, Cleveland 34, Ohio	
Ohio	R E Sunkamp Co	7703 Blue Ash Rd, Cincinnati 36, Ohio	TW1-1838
Okla	Paul King Co	826 N. Fulton, Tulsa 15, Okla	TE6-2501
Ore	Fryer & Co., Inc	2035 S.W. 58th Ave, Portland 1, Ore	CA6-3733
Pa	Biltmore Products Co., Inc	1501 Potomac Ave, Pittsburgh 16, Pa	LO3-0808
Pa	Penn-Del Instrument Sales Co	709 Bethlehem Pike, Philadelphia, Pa	CH7-7389
SC	MacGuire Instrument Co	3214 Highview Rd, Charlotte, NC	EM6-3454
SD	Ramsey Engineering Co	1853 W. County Rd C, St. Paul 13, Minn	ME3-5150
Tenn	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Tenn	Engineered Instrument Sales Co	Box 9947, Memphis 12, Tenn	FA3-1275
Tex	Industrial Scientific Inc	317 Nagle St, Houston 1, Tex	CA8-0376
Tex	Paul King Co	826 N. Fulton, Tulsa 15, Okla	TE6-2501
Tex	STEPCO	1035 E. Side Rd, El Paso, Tex	
Va	George Goodman Co	103 E. 25th St, Baltimore, Md	BE5-5570
Wash	Fryer & Co., Inc	2035 S.W. 58th Ave, Portland 1, Ore	CA6-3733
W. Va	Biltmore Products Co., Inc	1501 Potomac Ave, Pittsburgh 16, Pa	LO3-0808
W. Va	George Goodman Co	103 E. 25th St, Baltimore, Md	BE5-5570
Wisc	Norman Engineering Co	4873 N. Santa Monica, Milwaukee, Wisc	BR2-0352
Wisc	Ramsey Engineering Co	1853 W. County Rd C, St. Paul 13, Minn	ME3-5150
Wyo	ESCO	171 Vallejo St, Denver 23, Colo	SH4-2737
Canada	Industrial Projects Ltd	2052 St. Catherine, W., Montreal, P Q, Canada	
Canada	Industrial Projects Ltd	48 Sherbourne St, Toronto, Ontario, Canada	
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	
Foreign	Foxall Instruments Pty, Ltd	199 Camberwell Rd, Victoria, Australia	
Foreign	Schultz	Lago, Xochimolco 345, Mexico 5, DF	
	OHMITE MFG CO	**3601 Howard St, Skokie, Ill**	**ORS-2600**
Ala	Stanley K Wallace Associates Inc	Box 67, Lutz, Fla	WE9-3241
Alaska	Marsh Agencies Inc	2601 First Ave, Seattle 1, Wash	MA2-8761
Ariz	Sheffler-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL8-7893
Ark	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
Cal	Herb Becker Co., Inc	1140 Crenshaw Blvd, Los Angeles 19	WE1-1257
Cal	Belchamber & French	1485 Bayshore Blvd, San Francisco 24	JU6-0406
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Del	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
DC	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Fla	Stanley K Wallace Associates Inc	Box 67, Lutz, Fla	WE9-3241
Ga	Stanley K Wallace Associates Inc	Box 67, Lutz, Fla	WE9-3241
Hawaii	Jim Hastin Sales Co	235 Cooke St, Honolulu, Hawaii	
Idaho	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
Idaho	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Ind	Forrest C Valentine Inc	511-512 Ft. Wayne Bk Bldg, Ft. Wayne	AN9122
Ind	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Iowa	Russ D Sebright & Co	7120 W. Florissant Ave, St. Louis 20, Mo	CO1-0055
Kan	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Ky	Forrest C Valentine Inc	511 Ft. Wayne Bk Bldg, Ft. Wayne, Ind	AN9122
Ky	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
La	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
Me	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Md	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Mass	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16	WE9-6727
Miss	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mo	Russ D Sebright & Co	7120 W. Florissant Ave, St. Louis 20, Mo	CO1-0055
Mont	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Nev	Herb Becker Co., Inc	1140 Crenshaw Blvd, Los Angeles 19, Cal	WE1-1257
Nev	Belchamber & French	1485 Bayshore Blvd, San Franc 24, Cal	JU6-0406
NH	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
NJ	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
NJ	Ohmite Mfg Co	318 Bergen Blvd, Palisades Park, NJ	WI7-1777
NM	Sheffler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz	AL8-7893
NY	Ohmite Mfg Co	318 Bergen Blvd, Palisades Park, NJ	LO3-7371
NC	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	Forrest C Valentine Inc	511 Ft. Wayne Bk Bldg, Ft. Wayne, Ind	AN9122
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Ore	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
Pa	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Pa	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
RI	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
SC	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	Cartwright & Bean	560 Cooper St, Memphis 4, Tenn	BR5-1914
Tex	J Earl Smith Co	6211 Denton Dr, Dallas, Tex	FL7-1727
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	CO6-7705
Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wash	Marsh Agencies Inc	2601 1st Ave, Seattle 1, Wash	MA2-8761
W. Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Wyo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Canada	A C Simmonds & Sons Ltd	100 Merton St, Toronto 7, Ont, Canada	HU5-9111
Canada	C M Robinson Co	1550 Erin St, Winnipeg 3, Manitoba, Can	SP4-1855
	OHMWEVE CO., INC.	**43 Derby St, West Hartford 10, Conn**	**AD2-1104**
	OILGEAR CO.	**1560 W.Pierce St, Milwaukee, Wisc**	**MI5-6715**
Cal	Oilgear Co	5327 Santa Monica Blvd, L A 29, Cal	HO5-3943
Ill	Oilgear Co	1404 N. Main St, Rockford, Ill	RO8-2855
Ill	Oilgear Co	4754 W. Washington Blvd, Chicago 44, Ill	AU7-8649
Mass	Oilgear Co Servo Control Div	160 Bear Hill Rd, Waltham, Mass	TW4-6973
Mich	Oilgear Co	6540 St. Antoine St, Detroit, Mich	TR5-9443
NJ	Oilgear Co	570 N. Broad St, Elizabeth, NJ	EL2-0313
NY	Oilgear Co	610 Englewood Ave, Buffalo, NY	AM0575
Ohio	Oilgear Co	3109 Mayfield Rd, Cleveland, Ohio	FA1-7878
Ohio	Oilgear Co	1720 Section Rd, Cincinnati, Ohio	RE1-5520
Tex	Oilgear Co	4402 Richmond Ave, Houston, Tex	MA3-9348
Wash	Oilgear Co	914 Arctic Bldg, Seattle 4, Wash	MA2-7445
Foreign	Weatherly Oilgear Ltd	Biggleswade, Beds, England	
Foreign	The Oilgear Co	1, 2-Chome, Shiouri-Cho, Mizoho-Ku, Nagoya, Japan	
	Oki & WILLADSEN LTD	**47 Crockford Blvd, Toronto 16, Ont, Can**	**PL7-4195**
	OKONITE CO., THE	**Canal St, Passaic, NJ**	**PR7-0400**
	OLYMPIC INSTRUMENTS INC	**Dept 527, Yakima, Wash**	**HO3-5641**
Cal	Ernst F Hauch Co	1282 Folsom St, San Francisco 3, Cal	MA1-0832
Cal	National Wire & Cable Corp	136 San Fernando Rd, Los Angeles 31	CA5-5611
Fla	Westinghouse Elec Supply Co	Box 397, Biscayne Annex, Miami 52, Fla	NE5-3271
Ill	Clyde W Lint	2323 W. 18th St, Chicago 8, Ill	TA9-1142
Pa	Stuart N Mills	Box 488, Rosemont, Pa	LA5-4778
	OLYMPIC PLASTICS CO., INC	**3471 S. La Cienega Blvd, L A 16, Cal**	**TE0-1121**
	OLYMPIC PRODUCTS CO., INC	**Third Ave, Alpha, NJ**	**GL4-1193**
Ariz	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Cal	Electrical Specialty Co	158-168 Eleventh St, San Francisco, Cal	HE1-5463
Colo	Electrical Specialty Co	2025 Arapahoe St, Denver, Colo	CH4-4588
Mass	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Minn	Fred Peterson	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
NH	Fred R Lesser	789 Hanover St, Manchester, NH	NA2-3464
Ore	Electrical Specialty Co	212 Northwest 14th Ave, Portland, Ore	CA7-3188
Tex	Engineering Associates Inc	2912 Stanley, Ft. Worth, Tex	WA3-7386
Wash	Electrical Specialty Co	2442 First Ave, S., Seattle, Wash	MA3-8061
	OLYMPIC RADIO & TELEVISION CO DIV OF THE SIEGLER CORP	**34-01 38 Ave, Long Island City, NY**	**EX2-5200**
	OMEGA LABORATORIES INC	**P. O. Box 308 Rowley, Mass**	**WH0-7757**
	ONAN & SONS INC., D W	**University at 25, S.E., Minnpls 14, Minn**	**FE2-1155**
Ala	Richard Goff	4679 Jett Rd, N.W., Atlanta, Ga	BL5-3233
Alaska	Bill Haynes	401 S.E. 50th Ave, Portland 15, Ore	BE6-2801
Cal	Frank Gernand	1588 Edgewood Dr, Palo Alto, Cal	DA2-0127
Colo	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
Conn	Howard Miller	406 N. Norwegian St, Pottsville, Pa	MA2-4175
Del	Don Earhart	204 School St, Alexandria, Va	SO5-2544
DC	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Fla	Richard Goff	4679 Jett Rd, N.W., Atlanta, Ga	BL5-3233
Ga	Richard Goff	4679 Jett Rd, N.W., Atlanta, Ga	BL5-3233
Hawaii	Frank Gernand	1588 Edgewood Dr, Palo Alto, Cal	DA2-0127
Idaho	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
Ill	Corwin Wood	304 1/2 State Ave, St. Charles, Ill	JU4-3917
La	John Reaves	6202 E. 4th Pl, Tulsa, Okla	TE8-1354
Me	Charles Helmoltz	12 Dianne Rd, W. Medford 55, Mass	MU1-0681
Md	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Mass	Charles Helmoltz	12 Dianne Rd, W. Medford 55, Mass	MU1-0681
Miss	John Reaves	6202 E. 4th Pl, Tulsa, Okla	TE8-1354
Mont	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
Nev	Frank Gernand	1588 Edgewood Dr, Palo Alto, Cal	DA2-0127
NH	Charles Helmoltz	12 Dianne Rd, W. Medford 55, Mass	MU1-0681
NJ	Howard Miller	406 N. Norwegian St, Pottsville, Pa	MA2-4175
NM	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
NY	Howard Miller	406 N. Norwegian St, Pottsville, Pa	MA2-4175
NC	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Ore	Bill Haynes	401 S.E. 50th Ave, Portland 15, Ore	BE6-2801
RI	Charles Helmoltz	12 Dianne Rd, W. Medford 55, Mass	MU1-0681
SC	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Tenn	Richard Goff	4679 Jett Rd, N.W., Atlanta, Ga	BL5-3233
Tex	John Reaves	6202 E. 4th Pl, Tulsa, Okla	TE8-1354
Utah	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
Vt	Charles Helmoltz	12 Dianne Rd, W. Medford 55, Mass	MU1-0681
Va	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Wash	Bill Haynes	401 S.E. 50th Ave, Portland 15, Ore	BE6-2801
W Va	Don Earhart	204 School St, Alexandria, Va	SO5-2544
Wyo	Les LeLande	2800 Tennyson St, Denver 12, Colo	GL5-6786
	ONONDAGA ELECTRONICS DIV SPEER CARBON CO	**1810 W. Fayette St, Syracuse 1, NY**	**HO8-6261**
Cal	Walco Sales	15623 Raven St, Sepulveda, Cal	EM2-3751
Conn	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Fla	Fenz Sales Co	P.O. Box 178, N. Miami Beach 32, Fla	FR4-1391
Ill	Ringland M Krueger	5306 W. Lawrence Ave, Chicago 30, Ill	PE6-3107
Ind	R O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
Mich	Henschen, Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
NY	Electrical Manufacturers Service	105 Riverside Ave, Williston Park, NY	PI2-1616
NC	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Pa	Victor S Malta Co	P.O. Box 4007, Philadelphia 18, Pa	VE6-5122
Canada	Electrolabs	7385 St. Lawrence Blvd, Montreal 16, Que	CR6-6076
	OPAD ELECTRIC CO	**43-5 Walker St, New York 13, NY**	**WO6-8380**
	OPTICAL COATING LAB INC	**2789 Giffen Ave, Santa Rosa, Cal**	**LI5-6440**
	OPTICAL GAGING PRODUCTS INC	**26 Forbes St, Rochester 11, NY**	**FA8-9090**
Ala	D G Machinery & Gage Co	2828 N.E. Expwy, Atlanta 24, Ga	ME6-5511
Ariz	Paul B Slater Co	2505 S. Yates Ave, Los Angeles 22, Cal	RA3-7251
Ark	Branch Merwin Tool Specialists	477 N. Bellevue, Memphis, Tenn	BR4-6102
Cal	Brennan-Hamilton Corp	187 Utah Ave, S. San Francisco, Cal	JU9-2700
Cal	Paul B Slater Co	2505 S. Yates Ave, Los Angeles 22, Cal	RA3-7251
Colo	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
Conn	Tools & Gages Unlimited	221 Sisson Ave, Hartford, Conn	AD2-3186
Del	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
DC	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
Fla	D G Machinery & Gage Co	724 Dade Commonwealth Bldg, Miami 32	FR4-7740
Ga	D G Machinery & Gage Co	2828 N.E. Expwy, Atlanta 24, Ga	ME6-5511
Idaho	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
Ill	Theodore Froeberg	364 Park Terr, S.E., Cedar Rapids, Iowa	EM2-6547
Ill	John C Ott Co	154 E. Erie St, Chicago, Ill	SU7-1546
Ill	Louis A Hoppe Co	8114 Rosalie Ha Indus Ct, St. Louis, Mo	MI7-3420
Ind	R L Sullivan Co	2037 E. 46th St, Indianapolis 5, Ind	CL1-9261
Ind	John C Ott Co	154 E. Erie St, Chicago 11, Ill	SU7-1546
Iowa	Theodore Froeberg	364 Park Terr, S.E. Cedar Rapids, Iowa	EM2-6547
Kan	Louis A Hoppe Co	8114 Rosalie Ha Indus Ct, St. Louis, Mo	MI7-3420
Ky	Woodall Sales & Service Co	3070 Far Hills Ave, Dayton 19, Ohio	AX9-3151
La	Branch Merwin Tool Specialists	477 N. Bellevue, Memphis, Tenn	BR4-6102
Me	Sterling Sales Inc	P.O. Box H, N. Grafton, Mass	PL7-0800
Md	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
Mass	Sterling Sales Inc	P.O. Box H, N. Grafton, Mass	PL7-0800
Mich	Marvin W Davis & Associates	10210 W. McNichols Rd, Detroit 21, Mich	UN4-9434
Mich	Larry Hammond Co	1551 N. 35th St, Milwaukee 8, Wisc	DI2-6822
Mich	A D Schneider & Co	408 E. Grand River Ave, Lansing 6, Mich	IV4-5936
Minn	Walter R Hammond Co	1419 Washington Ave, S., Minneapolis 4	FE8-8945
Miss	Branch Merwin Tool Specialists	477 N. Bellevue, Memphis, Tenn	BR4-6102
Mo	Louis A Hoppe Co	8114 Rosalie Ha Indus Ct, St. Louis 17, Mo	MI7-3420
Neb	Theodore Froeberg	364 Park Terr, S.E., Cedar Rapids, Iowa	EM2-6547
NH	Sterling Sales Inc	P.O. Box H, N. Grafton, Mass	PL7-0800
NJ	Products for Industry	P.O. Box 398, Fairlawn, NJ	SW6-1525
NJ	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
NM	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
NY	Machinists' Tools Inc	854 Main St, Buffalo, NY	GR5397
NY	Precision Service Co	E. Lake Rd, Skaneateles, NY	1089
NY	Precision Tool & Gage Co	240 Windemere Rd, Rochester, NY	HU2-5513
NY	Products for Industry	P.O. Box 398, Fairlawn, NJ	SW6-1525
NC	Crotts & Saunders Eng Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
ND	Walter R Hammond Co	1419 Washington Ave, S., Minnpls 4, Minn	FE8-8945
Ohio	Production Service Co	10003 Memphis Ave, Cleveland 9, Ohio	ON1-8500
Ohio	Woodall Sales & Service Co	3070 Far Hills Ave, Dayton 19, Ohio	AX9-3151
Okla	P D Browne Co	2512 W. Mockingbird Ln, Dallas 35, Tex	FL7-2239
Ore	H F Soderling Co	1729 First Ave, S., Seattle 4, Wash	MA2-6056
Pa	Precision Service Co	E. Lake Rd, Skaneateles, NY	1089
Pa	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
Pa	Riley W Whittenberger	P.O. Box 229, Oakmont, Pa	OA1561
RI	Sterling Sales Inc	P.O. Box H, N. Grafton, Mass	PL7-0800
SC	Crotts & Saunders Eng Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
SC	D G Machinery & Gage Co	2828 N.E. Expwy, Atlanta 24, Ga	ME6-5511
SD	Walter R Hammond Co	1419 Washington Ave, S., Minnpls 4, Minn	FE8-8945
Tenn	Branch Merwin Tool Specialists	477 N. Bellevue, Memphis, Tenn	BR4-6102
Tenn	D G Machinery & Gage Co	2828 N.E. Expwy, Atlanta 24, Ga	ME6-5511
Tex	P D Browne Co	2512 W. Mockingbird Ln, Dallas 35, Tex	FL7-2239
Tex	P D Browne Co	413 Continental Bank Bldg, Houston 2	CA7-1992
Utah	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
Vt	Sterling Sales Inc	P.O. Box H, N. Grafton, Mass	PL7-0800
Va	Crotts & Saunders Eng Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Va	Holco	122 W. Chester Pike, Havertown, Pa	SU9-7477
Wash	H F Soderling Co	1729 First Ave, S., Seattle 4, Wash	MA2-6056
W. Va	Riley W Whittenberger	P.O. Box 229, Oakmont, Pa	OA1561
Wisc	Larry Hammond Co	1551 N. 35th St, Milwaukee 8, Wisc	DI2-6822
Wisc	Walter R Hammond Co	1419 Washington Ave, S., Minnpls 4, Minn	FE8-8945
Wyo	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
Canada	A C Wickman Ltd	1425 Queensway, Tor 14, Ont, Canada	CL9-2311
Foreign	Gaston E Marbaix Ltd	Devonshire House, Vicarage Crescent, London, SW11, England	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Foreign	Sheffield Corp of Australia	Pty Ltd, Box 71, Princes Hwy, Clay, Victoria, Aus
Foreign	Marubeni-Ida Ltd	Box 595, Tokyo, Japan
	OPTIMIZED DEVICES INC	**864 Franklin Ave, Thomwood, NY — RO9-6110**
Ala	Roy Attaway Co.	1635 Heatherwood Dr, Decatur, Ga
DC	The Jay Co.	2420 Wilson Blvd, Arlington, Va
Ga	Roy Attaway Co.	1635 Heatherwood Dr, Decatur, Ga
La	Roy Attaway Co.	1635 Heatherwood Dr, Decatur, Ga
Md	The Jay Co.	2420 Wilson Blvd, Arlington, Va
NJ	Memo Inc	69 Greenwich St, Hempstead, NY
NY	Memo Inc	69 Greenwich St, Hempstead, NY
Pa	Holdsworth & Co.	P.O. Box 71, Lansdowne, Pa
Va	The Jay Co.	2420 Wilson Blvd, Arlington, Va
Canada	Electrodesign	736 Notre Dame St, W. Montreal, PQ, Can
	OPTOMECHANISMS INC	**216 E. Second St, Mineola, NY — PI6-5576**
	OPTRON CORP	**335 S. Salinas St, Santa Barbara, Cal — WO5-6140**
	ORANGE PRODUCTS INC	**554 Mitchell St, Orange, NJ**
	ORBIT INDUSTRIES	**Box 666, Rosedo, Cal**
	ORBIT INSTRUMENT CORP	**131 Eileen Way, Syosset, NY — WA1-6310**
Mass	Saunders & Co.	8 Prospect St, Waltham, Mass
Minn	G E Arneson & Co.	1407 Holdridge Ln, Wayzata, Minn
NY	B B Taylor Co.	2270 Grand Ave, Baldwin, NY — BA3-8000
Ohio	Rixan Associates	33 W. Stratford Ave, Dayton, Ohio
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex
	ORBITRAN CO., INC	**11487 Woodside Ave, Lakeside, Cal — HI3-3841**
	OREGON ELECTRONIC MFG CO	**2105 S.E. 6th Ave, Portland 14, Ore — BE6-9292**
Ala	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
Cal	White & Co.	788 Mayview Ave, Palo Alto, Cal — DA1-3350
Cal	Wallace & Wallace	Bendix Bldg, Los Angeles, Cal — RI7-0401
Conn	Howard J Schuft Co.	815 Washington St, Newtonville, Mass — LA7-5304
Fla	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
Ga	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
La	Harry D Edmiston	P.O. Box 5832, Dallas, Tex — TA7-2853
Me	Howard J Schuft Co.	815 Washington St, Newtonville, Mass — LA7-5304
Mass	Howard J Schuft Co	815 Washington St, Newtonville, Mass — LA7-5304
Nev	White & Co	788 Mayview Ave, Palo Alto, Cal — DA1-3350
NH	Howard J Schuft Co.	815 Washington St, Newtonville, Mass — LA7-5304
NC	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
Ore	Hawthorne Electronics	700 S.E. Hawthorne, Portland, Ore — BE4-9375
RI	Howard J Schuft Co.	815 Washington St, Newtonville, Mass — LA7-5304
SC	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
Tex	Harry D Edmiston	P.O. Box 5832, Dallas, Tex — TA7-2853
Vt	Howard J Schuft Co.	815 Washington St, Newtonville, Mass — LA7-5304
Va	Taylor Engineer Co.	2100 St. Paul St, Baltimore, Md
Wash	Hawthorne Electronics	112 Aero Bldg, Boeing Field, Seattle — PA5-1460
	ORR INDUSTRIES CO	**Opelika, Ala — SH5-7643**
Ala	J E Joyner & Associates	2258 Cascade Rd, Atlanta 10, Ga — PL5-4336
Alaska	J K Dooley Co.	3215 Western Ave, Seattle, Wash — AT4-8318
Ariz	Orr Industries Co	1715 E. Walnut, Pasadena, Cal — MU1-4907
Ark	W R Hays Co	3416 Rosedale, Dallas, Tex — EM3-2021
Cal	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal — DA6-0152
Cal	Orr Industries Co	1715 E. Walnut, Pasadena, Cal — MU1-4907
Colo	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Conn	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
Del	John T Stinson Co.	2124 Darby Rd, Havertown, Pa — HI7-0922
DC	John T Stinson Co.	2124 Darby Rd, Havertown, Pa — HI7-0922
Fla	J E Joyner & Associates	2258 Cascade Rd, Atlanta 10, Ga — PL5-4336
Ga	J E Joyner & Associates	2258 Cascade Rd, Atlanta 10, Ga — PL5-4336
Hawaii	Nickerson Gray & Associates	2434 Park Blvd, Palo Alto, Cal — DA6-0152
Idaho	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Ill	J J McBride Sales	328 E. Burlington St, Riverside, Ill — HI7-8131
Ill	Herbert W Knaggs	7503 Melba Ln, Belleville, Ill — EX7-2398
Ind	J J Clancy Co	P.O. Box 269, Angola, Ind — 793
Ind	Bernie Clancy	5750 N. Ewing, Indianapolis, Ind — CL1-7669
Iowa	Herbert W Knaggs	7503 Melba Ln, Belleville, Ill — EX7-2398
Kan	Herbert W Knaggs	7503 Melba Ln, Belleville, Ill — EX7-2398
Ky	Bernie Clancy	5750 N. Ewing, Indianapolis, Ind — CL1-7669
Ky	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio — HU8-4855
La	W R Hays Co	3416 Rosedale, Dallas, Tex — EM3-2021
Me	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
Md	John T Stinson Co.	2124 Darby Rd, Havertown, Pa — HI7-0922
Mass	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
Mich	R D Butchart	16637 E. Warren, Detroit 24, Mich — TU2-6666
Minn	Forrest Carleen	Rt 1, Mound, Minn — GR2-2271
Miss	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga — PL5-4336
Mo	Herbert W Knaggs	7503 Melba Ln, Belleville, Ill — EX7-2398
Mont	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Neb	Herbert W Knaggs	7503 Melba Ln, Belleville, Ill — EX7-2398
Nev	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal — DA6-0152
NH	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY — MA7-6620
NJ	John T Stinson Co.	2124 Darby Rd, Havertown, Pa — HI7-0922
NM	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
NY	R W Mitscher Co	487 Ellicott Square Bldg., Buffalo 3, NY — WA2517
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY — MA7-6620
NY	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
NC	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga — PL5-4336
ND	Forrest Carleen	Rt 1, Mound, Minn — GR2-2271
Ohio	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio — HU8-4855
Okla	W R Hays Co	3416 Rosedale, Dallas, Tex — EM3-2021
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash — AT4-8313
Pa	Bell & Whitaker	3623 Jacksonwald Ave, Reading, Pa — FR5-6837
Pa	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio — HU8-4855
Pa	John T Stinson Co	2124 Darby Rd, Havertown, Pa — HI7-0922
RI	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
SC	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga — PL5-4336
SD	Forrest Carleen	Rt 1, Mound, Minn — GR2-2271
Tenn	J E Joyner & Associates	2258 Cascade Rd, S.W., Atlanta 10, Ga — PL5-4336
Tex	W R Hays Co	3416 Rosedale, Dallas, Tex — EM3-2021
Tex	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Utah	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Vt	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass — CR4-0044
Va	John T Stinson Co.	2124 Darby Rd, Havertown, Pa — HI7-0922
Wash	J K Dooley Co.	3215 Western Ave, Seattle, Wash — AT4-8313
W. Va	C L Pugh Co	2144 Riverside Dr, Columbus 21, Ohio — HU8-4855
Wisc	J J McBride Sales	328 E. Burlington St, Riverside, Ill — HI7-8131
Wisc	Forrest Carleen	Rt 1, Mound, Minn — GR2-2271
Wyo	Peyser & Co.	1501 N. Weber St, Colorado Springs, Colo — ME4-3401
Foreign	Morhan Exporting Corp	458 Broadway, New York, NY — WA5-1257
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Ontario, Can — RU1-6174
	ORTHO FILTER CORP	**7 Paterson St, Paterson, NJ — MU4-5858**
Ariz	Paul Wiley Co	1632 Silver Lake Blvd, Los Angeles, Cal — NO3-8028
Cal	David H Ross Co.	534 El Camino Real, San Carlos, Cal — LY1-4411
Cal	Paul Wiley	1632 Silver Lake Blvd, Los Angeles, Cal
Conn	Jack Decker	40 Berkley St, Waltham 54, Mass — TW3-2682
Ill	Gilbert Engineering Co.	2842 N. Sheridan Rd, Chicago, Ill — BU1-1888
Ind	Gilbert Engineering Co.	2842 N. Sheridan Rd, Chicago, Ill — BU1-1888
Me	Jack Decker	40 Berkley St, Waltham, Mass — TW3-2682
Mass	Jack Decker	40 Berkley St, Waltham, Mass — TW3-2682
NJ	Jack Onore	555 Winchester Ave, Union, NJ — MU7-0668
NY	Arthur Perkins	639 S. Warren, Syracuse, NY — GR1-8828
NY	HAF Associates	330 E. 70 St, New York, NY — RE7-1330
RI	Jack Decker	40 Berkley St, Waltham, Mass — TW3-2682
Vt	Jack Decker	40 Berkley St, Waltham, Mass — TW3-2682
Wisc	Gilbert Engineering	2842 N. Sheridan, Chicago, Ill — BU1-1888
	ORTRON ELECTRONICS	**29 Lincoln Ave, Orange, NJ**
	ORYX CO	**13804 Ventura Blvd, Sherman Oaks, Cal — TR3-4874**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala — AM2-1573
Cal	Bernard L Cahn	823 Lake St, San Francisco 18, Cal — SU1-7981
Colo	Fred A Pease Co.	4921 E. 38th Ave, Denver 7, Colo — DU6-4644
Ill	Royal J Higgins Co.	10105 S. Western Ave, Chicago 43, Ill — BE3-7388
Mass	L K Ingber Co	41 Cross St, West Newton 65, Mass — DE2-8574
Mo	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo — 5-1023
NJ	Fields & Simon Sales Co	109 Valley Rd, Verona, NJ — PI6-6717
NM	Fields & Simon Sales Co	109 Valley Rd, Verona, NJ — PI6-6717
Pa	John Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa — WA4-1595
Tex	Tom Spivey Co., Inc	7547 Wilmerdean, Houston 17, Tex — MI9-1221
	OSBORN PRODUCTS	**2364 Porter Ave, Altadena, Cal — SY4-9436**
	OSBORNE ELECTRIC CO LTD	**95 Wesley St, Toronto 18, Ont, Canada — CL9-7886**
	OSBORNE ELECTRONIC SALES CORP	**712 S.E. Hawthorne, Portland 14, Ore — BE2-0161**
	OSBORNE TRANSFORMER CORP	**3834 Mitchell Ave, Detroit 7, Mich — LO8-0700**
	OSTER MFG CO., JOHN AYIONICS DIV	**1 N. Main St, Racine, Wisc**
Cal	John Oster Mfg Co	5333 S. Sepulveda Blvd, Culver City, Cal — EX1-5742
NY	John Oster Mfg Co	310 Northern Blvd, Great Neck, NY — HU7-9030
	OTARION LISTENER CORP	**Scarborough Park, Ossining, NY — WI1-6700**
Ala	Charles E Ellis	215 Montgomery St, Montgomery, Ala
Ariz	Franklin E Bradshaw	36 E. Broadway, Tucson, Ariz
Cal	Thalia May	144 Locust Ave, Long Beach, Cal
Colo	Bartol & Hughes	2350 Broadway, Boulder, Colo
Conn	David March	242 Trumbull St, Hartford, Conn
Del	Judson D Ryon	P.O. Box 51, Wilmington, Del
DC	Ward T Rosemond	1410 New York Ave, N.W., Wash 5, DC
Fla	William J Eckhardt	1518 Tidsen Dr, Tampa 4, Fla
Ga	Hugh McClain	225 Peachtree Arcade, Atlanta 3, Ga
Idaho	Faught & Faught	P.O. Box 2572, Boise, Idaho
Ill	Richard Kabel	204 S. Jefferson Ave, Peoria, Ill
Ind	Donald Chew	532 Bankers Trust Bldg, Indianapolis, Ind
Iowa	Vernon Laux	115 Plymouth St, Le Mars, Iowa
Ky	Charles Tate	123 S. 6th St, Paducah, Ky
La	C H James	717 National Bank Commerce Bldg, New Orleans, La
Me	Henry Tobin	477 Congress St, Portland, Me
Md	Frank Giffen	222 N. Liberty St, Baltimore 1, Md
Mass	Otarion of New England	178 Tremont St, Boston 11, Mass
Mich	Ross M Carey	404 E. Front St, Traverse City, Mich
Minn	Elsie Floren	106 S. 9th Foshay Tower Bldg, Minneapolis, Minn
Miss	William Freeman	133 E. Amite, Jackson, Miss
Mo	Jack Williams	1102 Grand, 619 Bryant, Kansas City, Mo
Mont	D D Robinson	P.O. Box 1124, Great Falls, Mont
Neb	Rex S Musselman	218 N. Jeffers, N. Platte, Neb
NH	Pauline Smith	Otarion of N. Haverhill, N. Haverhill, NH
NJ	Larry Haber	520 Broadway, Bayonne, NJ
NM	Eldon Coffman	116 Second St, N.W., Albuquerque, NM
NY	Otarion of New York	521 Fifth Ave, New York 17, NY
NC	Carl J Baldwin	1403 Independence Bldg, Charlotte, NC
ND	J M Ashmore	1501 Third Ave, S.E., Minot, ND
Ohio	Kendall & Jun	510 Euclid Ave, Cleveland 15, Ohio
Okla	Frank D Zeliff	8 E. 4th St, Tulsa, Okla
Ore	W C Heitkemper	631 S.W. Alder, Portland, Ore
Pa	Jerry Jacobson	40 S. 16th St, Philadelphia 2, Pa
RI	Shepard Co	259 Westminster St, Providence, RI
SC	Van C Porter	908 Ontario Ave, W. Columbia, SC
Tenn	Paul S Jones	1626 Exchange Bldg, Memphis, Tenn
Tex	Henry Schlichting Jr	2201 W. Texas, Midland, Tex
Utah	Clyde W Gregerson	325 S. Main St, Salt Lake City, Utah
Vt	Herbert J Davis	106 Church St, Burlington, Vt
Va	Walter V Dunn	313 Campbell Ave, W., Roanoke, Va
Wash	Edward A Berry	203 W. Holly St, Bellingham, Wash
Wisc	Roy Kreitzer	848 Redwood Dr, Green Bay, Wisc
Foreign	Amplifon S R L	Via Cerva 24, Milan, Italy
	OTIS ELEVATOR CO	**35 Ryerson St, Brooklyn 35, NY — UL5-6800**
Cal	Otis Elevator Co	183 Evelyn Ave, Mountain View, Cal — YO8-8375
Cal	Otis Elevator Co	2417 E. Beverly Blvd, Los Angeles, Cal — DU1-1151
DC	A H Fogelman Associates	2000 K St, N.W., Washington DC — FE3-6767
NJ	Otis Elevator	1000 1st St, Harrison, NJ — HU4-9600
NY	Otis Elevator Co	Lake & Sawmill River Rd, Yonkers, NY — GR6-1400
NY	Otis Elevator Co	44 Walls Ave, Yonkers, NY — YO5-7400
Ohio	Baker Industrial Truck Div	8000 Baker Ave, Cleveland 2, Ohio — OL1-3000
Ohio	Baker Industrial Truck Div	321 S. Main St, Dayton, Ohio — BA2-4204
Utah	Otis Elevator Co	814 S. Main St, Salt Lake City, Utah — EM3-3631
	OWEN LABORATORIES INC	**55 Beacon Pl, Pasadena, Cal — MU1-6901**
Ala	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga — CE3-5858
Ariz	Luscombe Engineering Co	1020 S. Arroyo Pkwy, Pasadena, Cal — MU2-3386
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal — DI2-7057
Cal	Luscombe Engineering Co	1020 S. Arroyo Pkwy, Pasadena, Cal — MU2-3386
Cal	Luscombe Engineering Co	3150 El Cajon Blvd, San Diego 4, Cal — AT3-2081
Colo	Kelley Enterprises	336 E. 4th St, Loveland, Colo — NO7-1376
Conn	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford 7, Conn — AO3-3613
Del	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa — WA7-1820
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md — JU5-7550
Fla	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla — SU3-3328
Ga	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga — CE3-5858
Idaho	Kelley Enterprises	336 E. 4th St, Loveland, Colo — NO7-1376
Me	Arthur T Hatton & Co	246 Walnut St, Newtonville, Mass — DE2-2021
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md — JU5-7550
Mass	Arthur T Hatton & Co	246 Walnut St, Newtonville, Mass — DE2-2021
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich — BR3-2900
Miss	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga — CE3-5858
Nev	Luscombe Engineering Co	1020 S. Arroyo Pkwy, Pasadena, Cal — MU2-3386
NH	Arthur T Hatton & Co	246 Walnut St, Newtonville, Mass — DE2-2021
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ — CA6-4545
NM	Kelley Enterprises	336 E. 4th St, Loveland, Colo — NO7-1376
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ — CA6-4545
NC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla — SU3-3328
Ohio	S Sterling Co	5627 Mayfield Rd, Cleveland 24, Ohio — HI2-8080
Ohio	S Sterling Co	363 W. 1st St, Dayton 2, Ohio — BA8-8794
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa — WA7-1820
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa — TU4-5515
RI	Arthur T Hatton & Co	246 Walnut St, Newtonville, Mass — DE2-2021
SC	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla — SU3-3328
Tenn	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga — CE3-5858
Utah	Kelley Enterprises	336 N. 4th St, Loveland, Colo — NO7-1376
Vt	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford 7, Conn — AO3-3613
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md — JU5-7550
Wyo	Kelley Enterprises	336 E. 4th St, Loveland, Colo — NO7-1376
	OWENS-CORNING FIBERGLAS CORP	**717 Fifth Ave, New York 22, NY — PL9-3810**
	OWENS-ILLINOIS GLASS CO	**Box 1035, Toledo 1, Ohio — CH2-4543**
	OXFORD ELECTRIC CORP	**3911 S. Michigan Ave, Chicago 53, Ill — AT5-6161**
Ala	James Clymer Jr	920 W. Hill St, Charlotte, NC — EM6-0452
Ala	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga — TR5-8031
Ariz	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM — AM8-1111
Ariz	Hyde Electronics Co	888 S. Lipan St, Denver 4, Colo — WE6-3456
Ark	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex — RI8-2158
Cal	F W Mouthtrop Co	575 Tenth St, San Francisco 3, Cal — MA1-4166
Cal	Dresco Industries Inc	430 N. Camden Dr, Beverly Hills, Cal — CR5-0108
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 4, Colo — WE6-3456
Conn	Abbett & Hustis	Ridgefield, Conn
Conn	Abbett & Hustis	1245 Highland Ave, Needham, Mass — HI4-5470
Conn	S S Egert Co	97 Reade St, New York 13, NY — WO4-0996
Del	Al Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ — NO2-1611
DC	Al Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ — NO2-1611
Fla	Maitland K Smith Co	208 14th St, N.W., Atlanta, Ga — TR5-8031
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta, Ga — TR5-8031
Idaho	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash — EL8882
Ill	Hale Darnold	914 Kentucky St, Racine, Wisc — WE2-9644
Ill	Koenig-Myers Associates	4538 Main St, Kansas City, Mo — JE1-7221
Ind	Jack Weber Sales Co	9007 El Rico Rd, Indianapolis 20, Ind — VI6-0504
Iowa	Koenig-Meyers Associates	4538 Main St, Kansas City, Mo — JE1-7221
Kan	Koenig-Myers Associates	4538 Main St, Kansas City, Mo — JE1-7221
Ky	Jack Weber Sales Co	9007 El Rico Rd, Indianapolis 20, Ind — VI6-0504
La	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex — RI8-2158
Me	Abbett & Hustis Co	1245 Highland Ave, Needham, Mass — HI4-5470
Md	Al Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ — NO2-1611
Mass	Abbett & Hustis Co	1245 Highland Ave, Needham, Mass — HI4-5470
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn — WE9-7891
Miss	Maitland K Smith Co	208 14th St, N.W., Atlanta, Ga — TR5-8031
Mo	Koenig-Myers Associates	4538 Main St, Kansas City, Mo — JE1-7221
Mont	Northwestern Agencies Inc	4130 First Ave, S., Seattle, Wash — EL8882
Neb	Koenig-Myers Associates	4538 Main St, Kansas City, Mo — JE1-7221
Nev	Northwestern Agencies Inc	4130 First Ave, S., Seattle, Wash — EL8882
NH	Abbett & Hustis Co	1245 Highland Ave, Needham, Mass — HI4-5470
NJ	Al Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ — NO2-1611
NJ	S S Egert Co	97 Reade St, New York 13, NY — WO4-0996
NM	Hyde Electronics Co	5206 Constitution Ave, Albuquerque, NM — AM8-1111
NY	S S Egert Co	97 Reade St, New York 13, NY — WO4-0996
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY — WO1-4700
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC — EM6-0452
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn — WE9-7891
Ohio	Norm Rahe	11816 McCracken Rd, Cleveland, Ohio — LU1-1748
Ohio	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio — TU5-7819
Okla	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash — EL8882
Ore	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash — EL8882
Pa	A Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ — NO2-1611
Pa	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY — WO1-4700

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
RI	Abbett & Hustis Co	1245 Highland Ave, Needham, Mass	HI4-5470
SC	Maitland K Smith Co	920 Hill St, W., Charlotte, NC	EM6-0452
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tenn	Maitland K Smith Co	920 Hill St, W., Charlotte, NC	EM6-0452
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex	RI8-2158
Utah	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	EL8882
Vt	Abbett & Hustis Co	1245 Highland Ave, Needham, Mass	HI4-5470
Va	Al Wetterhahn Co	538 Buena Vista Ave, Maple Shade, NJ	NO2-1611
Wash	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	EL8882
W. Va	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Wisc	Hale Darnold Co	914 Kentucky St, Racine, Wisc	WE2-9644
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 4, Colo	WE6-3456
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 10, Ontario	RU1-6174
Foreign	Robum Agencies Inc	431-435 Greenwich St, New York 13, NY	WO6-2130

	OXFORD ENGINEERING CO	**47A River St, Wellesley Hills 81, Mass**	**CE5-7770**

	OZALID DIV GEN ANILINE & FILM CORP	**Ansco Rd, Johnson City, NY**	**SW7-2301**
Ala	Re-Print Co	2025 1st Ave, Birmingham 3, Ala	AL1-9171
Ariz	Las Vegas Blueprint Co	207 N. 3rd St, Las Vegas, Nev	DU4-2160
Ariz	Acme Blueprint Co., Inc	517 N. 1st St, Phoenix, Ariz	AL4-7213
Ark	Triangle Blueprint & Supply Co	314 S. Cincinnati, Tulsa, Okla	LU4-6145
Ark	Wray Williams Blue Print Co	23 S. 2nd St, Memphis 3, Tenn	JA5-6353
Cal	Ozalid Div General Aniline & Film Corp	922 N. Vine St, Los Angeles 38, Cal	HO9-3921
Cal	Ozalid Div General Aniline & Film Corp	933 Harrison St, San Francisco 7, Cal	YU6-2658
Colo	Ozalid Div General Aniline & Film Corp	1932 Broadway, Denver, Colo	TA5-1323
Conn	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
Del	Ozalid Div General Aniline & Film Corp	1800 E. Lancaster Ave, Philadelphia, Pa	NI4-5110
DC	Ozalid Div General Aniline & Film Corp	1107 19th St, N.W., Washington 6, DC	EX3-6710
Fla	Ozalid Div General Aniline & Film Corp	614 Virginia Dr, Orlando, Fla	GA2-3184
Ga	Ozalid Div General Aniline & Film Corp	1219 Williams St, N.W., Atlanta, Ga	TR6-0351
Hawaii	Honolulu Paper Co Ltd	Ala Moana at South St, Honolulu, Hawaii	50-1711
Idaho	Abadan-Spokane	W. 415 First Ave, Spokane, Wash	MA4-0117
Idaho	Certified Blueprint & Supply Co., Inc	205 S. State St, Salt Lake City, Utah	EM4-1821
Ill	Ozalid Div General Aniline & Film Corp	1219 N. LaSalle St, Chicago 10, Ill	MI2-7505
Ind	Ozalid Div General Aniline & Film Corp	216 S. Penn St, Indianapolis 4, Ind	ME7-2481
Iowa	Ozalid Div General Aniline & Film Corp	1219 N. LaSalle St, Chicago 10, Ill	MI2-7505
Iowa	Wurgler Co., Inc of Omaha	313 S. 14th St, Omaha, Neb	AT8946
Kan	Drexel Inc	612 State Ave, Kansas City, Kan	DR1-4430
Kan	Bewal Inc	409 W. Douglas, Wichita, Kan	HO4-1085
Ky	Ozalid Div General Aniline & Film Corp	216 S. Penn St, Indianapolis 4, Ind	ME7-2481
Ky	Wray William Blue Print Co	23 S. 2nd St, Memphis 3, Tenn	JA5-6353
La	Crescent Blue Print Co	728 Gravier St, New Orleans, La	TU7703
La	Reproduction Supply Agency	1724 Elliott St, Alexandria, La	3-8496
Me	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
Md	Ozalid Div General Aniline & Film Corp	106 Stratford Ave, Pittsburgh 6, Pa	EM1-8100
Md	Ozalid Div General Aniline & Film Corp	1800 E. Lancaster Ave, Philadelphia, Pa	NI4-5110
Md	Ozalid Div General Aniline & Film Corp	107 19th St, N.W., Washington 6, DC	EX3-6710
Mass	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
Mich	Ozalid Div General Aniline & Film Corp	13700 Puritan Ave, Detroit 27, Mich	VE8-9536
Minn	H A Rogers Co	817 Marquette Ave, Minneapolis 2, Minn	FE8-7655
Miss	Wray Williams Blue Print Co	23 S. 2nd St, Memphis 3, Tenn	JA5-6353
Miss	Crescent Blue Print Co	728 Gravier St, New Orleans 12, La	TU7703
Miss	Re-Print Co	2025 1st Ave, N., Birmingham, Ala	AL1-9171
Mo	Ozalid Div General Aniline & Film Corp	1421 Hampton Ave, St. Louis 10, Mo	MI7-1900
Mont	Abadan-Spokane Inc	W. 415 1st Ave, Spokane, Wash	MA4-0117
Mont	Helena Blue Print Co	511 N. Rodney St, Helena, Mont	HI2-7020
Mont	Selby Reprint Co	114 N. 27th St, Billings, Mont	2-0586
Neb	Ozalid Div General Aniline & Film Corp	1932 Broadway, Denver 2, Colo	TA5-1323
Neb	Wurgler Co., Inc of Omaha	313 S. 14th St, Omaha, Neb	AT8946
Nev	Ozalid Div General Aniline & Film Corp	933 Harrison St, San Francisco 7, Cal	YU6-2658
Nev	Certified Blue Print Co	205 S. State St, Salt Lake City, Utah	EM4-1821
Nev	Las Vegas Blue Print Co	207 N. 3rd St, Las Vegas, Nev	DU4-2160
NH	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
NJ	Ozalid Div General Aniline & Film Corp	405 Hudson St, New York 14, NY	AL5-2880
NJ	Ozalid Div General Aniline & Film Corp	1800 E. Lancaster Ave, Philadelphia, Pa	NI4-5110
NM	Ozalid Div General Aniline & Film Corp	1932 Broadway, Denver 2, Colo	TA5-1323
NM	Browning Blue Print Co	310 Taylor St, Amarillo, Tex	DR3-8343
NY	Ozalid Div General Aniline & Film Corp	405 Hudson St, New York 14, NY	AL5-2880
NY	Ozalid Div General Aniline & Film Corp	2366 James St, Syracuse, NY	HO3-0285
NY	Ozalid Div General Aniline & Film Corp	516 Curry Rd, Schenectady, NY	FR7-7536
NC	Duncan Print Makers	315 E. 7th St, Charlotte, NC	ED2-5033
NC	Ozalid Div General Aniline & Film Corp	1107 19th St, N.W., Washington, DC	EX3-6710
ND	H A Rogers Co	817 Marquette Ave, Minneapolis, Minn	FE8-7655
Ohio	Ozalid Div General Aniline & Film Corp	1480 Melrose Ave, Dayton 9, Ohio	AX9-4572
Ohio	Ozalid Div General Aniline & Film Corp	2524 Spring Grove Ave, Cincinnati 14	CH1-5110
Okla	Browning Blue Print	310 Taylor St, Amarillo, Tex	DR3-8343
Okla	Triangle Blue Print & Supply Co	314 S. Cincinnati, Tulsa, Okla	LU4-6145
Okla	Triangle Blue Print & Supply Co	525 N. Robinson St, Oklahoma City, Okla	RE6-1573
Ore	Columbia Copy Co	626 S.W. College St, Portland, Ore	CA2-6555
Ore	Abadan-Spokane	W. 415 1st Ave, Spokane, Wash	MA4-0117
Pa	Ozalid Div General Aniline & Film Corp	1800 E. Lancaster Ave, Philadelphia, Pa	NI4-5110
Pa	Ozalid Div General Aniline & Film Corp	106 Stratford Ave, Pittsburgh 6, Pa	EM1-8100
RI	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
SC	Duncan Print Makers	315 E. 7th St, Charlotte, NC	ED2-5033
SC	Ozalid Div General Aniline & Film Corp	1219 Williams St, N.W., Atlanta, Ga	TR6-0351
SD	The Copy Cats	105 Main St, Rapid City, SD	FI2-0425
SD	H A Rogers Co	817 Marquette Ave, Minneapolis 2, Minn	FE8-7655
Tenn	Arrow Blue Print Co., Inc	144 Third Ave, N., Nashville, Tenn	AL5-1261
Tenn	Knoxville Blue Print & Supply Co	614 Western Ave, Knoxville 2, Tenn	KN5-0463
Tenn	Wray Williams Blue Print Co	23 S. 2nd St, Memphis 3, Tenn	JA5-6353
Tex	Horn Blue Print Co	404 S. Envay St, Dallas, Tex	RI1-5251
Tex	Nixon Blue Print Co	Box 407, Corpus Christi, Tex	TU2-2551
Tex	Yarberry's	1710 Rusk Ave, Houston 3, Tex	CA4-6936
Utah	Certified Blueprint Co	205 S. State St, Salt Lake City, Utah	EM4-1821
Vt	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	LI2-3000
Va	Ozalid Div General Aniline & Film Corp	1107 19th St, N.W., Washington, DC	EX3-6710
Va	Knoxville Blue Print Co	614 Western Ave, Knoxville, Tenn	5-0463
Wash	Abadan-Spokane	W. 415 First Ave, Spokane, Wash	MA4-0117
Wash	Columbia Copy Co	626 S.W. College St, Portland, Ore	CA6555
Wash	Seattle Art & Photo Supply Inc	359 Roy St, Seattle 9, Wash	AT3-7984
W. Va	Ozalid Div General Aniline & Film Corp	106 Stratford Ave, Pittsburgh 6, Pa	EM1-8100
W. Va	Ozalid Div General Aniline & Film Corp	1107 19th St, N.W., Washington 6, DC	EX3-6710
Wisc	Ozalid Div General Aniline & Film Corp	4821 N. 32nd St, Milwaukee 9, Wisc	HI2-4640
Wyo	Certified Blueprint & Supply Co., Inc	205 S. State St, Salt Lake City 1, Utah	CH1-7347
Wyo	Selby Re-Print Co	114 N. 27th St, Billings, Mont	BI9-3327
Wyo	Ozalid Div General Aniline & Film Corp	1932 Broadway, Denver, Colo	TA5-1323
Foreign	General Aniline & Film Corp	435 Hudson St, New York 14, NY	WA4-0600

	PBR MFG CO	**H & Luzerne Sts, Philadelphia 24, Pa**	**GA6-0932**
Cal	Elmec Sales Inc	1921 University Ave, Palo Alto, Cal	DA1-2430
Colo	Williams & Associates Inc	2261-63 S. Albion St, Denver, Colo	SK6-9403
Ga	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Mich	Electro-Mation Associates	4012 E. Nine Mile Rd, Warren, Mich	JE9-1420
NJ	Adolph Schwartz Co	15 Exchange Pl, Jersey City 2, NJ	DE3-2424
Pa	H T Bauerle Associates	P.O. Box 53, Glenside, Pa	TU6-5737
Pa	H C Dorworth Jr Associates	2-A National Transit Bldg, Oil City, Pa	4-7334
Canada	E E Whittaker Co	2137 Niagara Dr, Ottawa, Ontario, Canada	1318

	PCA ELECTRONICS INC	**16799 Schoenborn St, Sepulveda, Cal**	**EM2-0761**
Ala	E C Raymond & Associates	P.O. Box 8215, Madiera Beach, Fla	WA1-9735
Alaska	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
Ariz	Fryco Engineering Reps	P.O. Box 464, Scottsdale, Ariz	WH5-3281
Ark	Harry D Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Conn	Bordewieck & Associates	Braintree (Boston 85), Mass	VI3-0845
Del	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
DC	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Fla	E C Raymond & Associates	P.O. Box 8215, Madiera Beach, Fla	WA1-9735
Ga	E C Raymond & Associates	P.O. Box 8215, Madiera Beach, Fla	WA1-9735
Hawaii	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755
Ill	W G Brouillette & Associates	1558 New Castle, Westchester, Ill	FI5-6500
Ill	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Ind	W G Brouillette & Associates	1558 Newcastle, Westchester, Ill	FI5-6500
Iowa	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Kan	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
La	Harry D Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Me	Bordewieck Engineering Sales Co	Braintree (Boston 85), Mass	VI3-0845
Md	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Mass	Bordewieck Engineering Sales Co	Braintree (Boston 85), Mass	VI3-0845
Miss	Harry D Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Mo	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Neb	Wilbur Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
NH	Bordewieck Engineering Sales Co	Braintree (Boston 85), Mass	VI3-0845
NJ	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
NM	Fryco Engineering Reps	P.O. Box 464, Scottsdale, Ariz	WH5-3281
NY	H C Johnson Agencies	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
Ohio	W G Brouillette & Associates	1558 Newcastle, Westchester, Ill	FI5-6500
Okla	Harry D Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Pa	R P Luce & Co., Inc	7 Beechwood Rd, Summit, NJ	CR3-9250
RI	Bordewieck Engineering Sales Co	Braintree (Boston 85), Mass	VI3-0845
Tex	Harry D Edmiston	P.O. Box 5832, Dallas, Tex	TA7-2853
Vt	Bordewieck Engineering Sales Co	Braintree (Boston 85), Mass	VI3-0845
Wisc	W G Brouillette & Associates	1558 Newchstle, Westchester, Ill	FI5-6500

	PEK LABS INC	**4024 Transport St, Palo Alto, Cal**	**DA1-2787**

	PIC DESIGN CORP SUB OF BENRUS WATCH CO., INC	**477 Atlantic Ave, East Rockaway, NY**	**LY3-6470**
Cal	PIC Design Corp	P.O. Box 3278, Van Nuys, Cal	ST2-6702
Ill	Frank Tye Sales	1039 Willow St, Chicago 14, Ill	WH4-6681
Ind	Meyer Materials Inc	2802 N. Delaware St, Indianapolis 5, Ind	CL5-5253
Ky	Bulgray Organization	3615 Brownsboro Rd, Louisville, Ky	TW5-6369
Mich	Henschen Jensen & Co	18450 Livernois Ave, Detroit 21, Mich	UN3-1373
Minn	Frank W Ladky & Associates	6524 W. Walker St, Minneapolis, Minn	WE9-5161
Mo	Forristal-Young Sales Co	4053 Broadway, Kansas City, Mo	VA1-5330
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK3-6470
Okla	C O Daniels Co	P.O. Box 8511, Tulsa, Okla	CH2-1990
Pa	Kenneth B Erdman	7852 Montgomery Ave, Philadelphia, Pa	CA4-1833
Tex	K E Luger Co	P.O. Box 6704, Houston 5, Tex	JA8-5581
Foreign	Tel Tech International	431 Fifth Ave, New York, NY	MU3-2400

	PRO ELECTRONICS INC	**202 Tillary St, Brooklyn 1, NY**	**UL2-6800**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	Polytechnic Res & Dev Co., Inc	2639 S. LaCienega Blvd, L A, Cal	UP0-1940
Ark	Carey-Wolf Co	Box 6072, Ft. Worth 15, Tex	PE8-1702
Cal	Polytechnic Res & Dev Co., Inc	2639 S. LaCienega Blvd, Los Angeles	UP0-1940
Cal	Ault Associates	120 Santa Margarita Ave, Menlo Park	DA6-1760
Cal	David G DeHaas Co	3651 Garrison St, San Diego, Cal	AC4-2401
Colo	Barnhill Associates	1170 S. Sheridan, Denver 14, Colo	WE5-4646
Conn	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Del	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
DC	Engineering Associates	412 Albee Bldg, Washington, DC	ST3-7319
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Hawaii	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Idaho	Barnhill Associates	1170 S. Sheridan, Denver 14, Colo	WE5-4646
Ill	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Ind	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Iowa	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Me	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Md	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
Mass	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Minn	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Miss	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Mo	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Mont	Barnhill Associates	1170 S. Sheridan, Denver 14, Colo	WE5-4646
NH	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
NJ	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NM	Barnhill Associates	8310 Cutler N.E., Albuquerque, NM	AX9-7997
NY	CDB Enterprises	501 Broadway, Hicksville, NY	WE8-8644
NY	S B M Associates Inc	969 Clinton Ave, S., Rochester 20, NY	GR3-6506
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Pa	CDB Enterprises	1403 Arnold Ave, Roslyn, Pa	OL9-2938
RI	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tex	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Utah	Barnhill Associates	1170 S. Sheridan, Denver 14, Colo	WE5-4646
Vt	George Gostenhofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Va	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
Wash	J K Dooley Co	3215 Western Ave, Seattle, Wash	AT4-8313
Wisc	Kenneth W Meyers Co	6713 N. Oliphant, Chicago 31, Ill	SP4-6440
Wyo	Barnhill Associates	1170 S. Sheridan, Denver 14, Colo	WE5-4646
Foreign	Sales Offices/Representatives in all principal countries		

	PSP ENGINEERING CO DIV IMC	**8608 Otis St, South Gate, Cal**	**LU3-4785**
Ala	Emory Design & Equip Co	P.O. Box 9013, Birmingham	TR1-1369
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale	WH5-3281
Cal	Cernuti & Associates	P.O. Box 509, Redwood City	EM9-3354
Cal	David DeHaas Co	3651 Garrison St, San Diego	AC4-2401
Colo	Elton K Kelley Co	336 E. 4th St, Loveland	NO7-1376
Fla	Emory Design & Equip Co	Box 507, Bradenton	2-6767
Ill	Memac Sales	4740 N. Austin Ave, Chicago	KI5-1033
Kan	Design Sales & Eng Co	10511 W. 56th Terr, Shawnee	HE2-2528
Mass	Gerber Sales	48 Pearl St, Brookline	BE2-2425
Minn	D A Schultz Co	801 S. E. 8th, St. Minneapolis	FE9-7701
Mo	Design & Sales Eng Co	7603 Forsyth Blvd, St. Louis	PA1-6403
NJ	M W Stollmack	67 Dorchester Rd, Emerson	CO1-2313
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo	DE0442
NY	Ellis Haber Corp	11 Northern Blvd, Great Neck	HU7-5145
Ohio	Bek Associates	330 Salem Ave, Dayton	CR8-1343
Ohio	Bek Associates	24054 Smith Ave, Westlake	SP7-2072
Ore	Shafer & Nelson Inc	1001 S. E. Water Ave, Portland	BE4-7437
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia	RI6-7060
Tex	Don Champion Co	P.O. Box 456, Hurst	AT4-1414
Wash	Shafer & Nelson Inc	312 Occidental Ave, Seattle, Wash	MU2-0186
Wash	Shafer & Nelson Inc	P.O. Box 198, Spokane	FA7-9528
Canada	W J Howard Co Ltd	1168 Gertrude St, Ottawa 3, Canada	PA8-2991

	PACE CONTROLS CORP	**661 Highland Ave, Needham Hgts 94, Mass**	**HI4-8518**

	PACE ELECTRICAL INSTRUMENTS CO., INC.	**70-31 84th St, Glendale 27, NY**	**DA6-3982**
	For Sales Offices/Representatives - See Precision Apparatus Co., Inc.		

	PACE ENGINEERING CO	**13035 Saticoy St, N.Hollywood, Cal**	**PO5-0453**
Cal	Harry Gee & Associates	5333 S. Sepulveda Blvd, Culver City, Cal	UP0-1742
Fla	Col-Ins-Co., Inc	5728 Precision Dr, Orlando, Fla	CH1-1501
Tex	Max Dagget Jr	P.O. Box 30152, Dallas 30, Tex	

	PACIFIC AUTOMATION PRODUCTS INC	**1000 Air Way, Glendale 1, Cal**	**CH5-8661**
Cal	Pacific Automation Prods Inc	626 Jefferson St, Redwood City, Cal	EM9-2991
Mass	Pacific Automation Prods Inc	649 Massachusetts Ave, Cambridge, Mass	TR6-4229
Tex	Pacific Automation Prods Inc	137 Walnut Hill Village, Dallas 20, Tex	FL7-5751

	PACIFIC ELECTRICORD CO	**3217 Exposition Pl, L A 18, Cal**	**AX3-7205**
Ariz	Norman J Fuchs	2207 W. Catalina Dr, Phoenix, Ariz	AL3-2401
Ark	T J Carroll Co	4821 Dee Dr, Memphis, Tenn	MU5-6458
Cal	Loren Butler	4252 Lorabelle Ct, Palo Alto, Cal	WE1-0346
Colo	Scott & Bunker	1863 Wazee St, Denver, Colo	AL5-1162
Conn	Ben Blumenberg	25 Deerfield Rd, Needham 92, Mass	HI4-0847
Fla	Kurland Zager & Associates	12 W. 4th St, Hialeah, Fla	TU8-1518
Idaho	Scott & Bunker	1863 Wazee St, Denver, Colo	AL5-1162
Ill	Fred Edlelston Co	14119 Merchandise Mart, Chicago, Ill	DE7-4008
Ind	Fred Edelston Co	14119 Merchandise Mart, Chicago, Ill	DE7-4008
Iowa	Woodward & Frizzell	4306 Cambridge Ave, Kansas City, Kan	YE2-2442
Kan	Woodward & Frizzell	4306 Cambridge Ave, Kansas City, Kan	YE2-2442
Ky	Fred Edelston Co	14119 Merchandise Mart, Chicago, Ill	DE7-4008
La	Floyd Barbour	13305 Glenside Dr, Dallas, Tex	FL7-5616
Me	Ben Blumenberg	25 Deerfield Rd, Needham 92, Mass	HI4-0847
Mass	Ben Blumenberg	25 Deerfield Rd, Needham 92, Mass	HI4-0847
Minn	M J Finley	5525 Mirror Lakes Dr, Minnpls, Minn	WE9-4719
Miss	Floyd Barbour	13305 Glenside Dr, Dallas, Tex	FL7-5616
Mo	Woodward & Frizzell	4306 Cambridge Ave, Kansas City, Kan	YE2-2442
Mont	Scott & Bunker	1863 Wazee St, Denver, Colo	AL5-1162
Neb	Woodward & Frizzell	4306 Cambridge Ave, Kansas City, Kan	YE2-2442
NH	Ben Blumenberg	24 Deerfield Rd, Needham 92, Mass	HI4-0847
NJ	Norman O Ripps	149 Park Ave, W. Caldwell, NJ	CA6-2119
NM	Norman J Fuchs	2207 W. Catalina Dr, Phoenix, Ariz	AL3-2401
NY	Norman O Ripps	149 Park Ave, W. Caldwell, NJ	CA6-2119
ND	M J Finley	5525 Mirror Lakes Dr, Minnpls, Minn	WE9-4719
Okla	Floyd Barbour	13305 Glenside Dr, Dallas 34, Tex	FL7-5616
Ore	George E Spencer	1633 N. W. 21st St, Portland 9, Ore	CA7-1715
Pa	Hy Goldstein	209 Dale Rd, Rochester 10, NY	HI5-0203
RI	Ben Blumenberg	24 Deerfield Rd, Needham 92, Mass	HI4-0847
SD	M J Finley	5525 Mirror Lakes Dr, Minnpls, Minn	WE9-4719
Tenn	T J Carroll Co	4821 Dee, Memphis, Tenn	MU5-6458
Tex	Floyd Barbour	13305 Glenside Dr, Dallas 34, Tex	FL7-5616
Utah	Scott & Bunker	1863 Wazee St, Denver, Colo	AL5-1162
Vt	Ben Blumenberg	24 Deerfield Rd, Needham 92, Mass	HI4-0847
Wash	George E Spencer	1633 N. W. 21st St, Portland 9, Ore	CA7-1715
Wisc	Fred Edelston Co	14119 Merchandise Mart, Chicago, Ill	DE7-4008
Wyo	Scott & Bunker	1863 Wazee St, Denver, Colo	AL5-1162

	PACIFIC ELECTRO-NUCLEAR CORP	**9520 Jefferson, Culver City, Cal**	**VE7-4411**

	PACIFIC ELECTRONIC CONTROLS CORP	**1001 S. Mountain Ave, Monrovia, Cal**	**EL9-3255**

	PACIFIC MAGNETIC CORP	**Electronic Center, Romoland, Cal**	**OL7-2637**

	PACIFIC MERCURY ELECTRONICS	**8345 Haywenhurst, Sepulveda, Cal**	**EM2-3131**
Cal	Telemetering Corp of America	4414 Casitas St, San Diego, Cal	AC2-1753
NM	Telemetering Corp of America	White Sands Missile Range, NM	EX2-6122

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Telemetering Corp of America	153-33 Rockaway Blvd, Jamaica, NY	LA8-1500
NY	Thomas Organ Co	24-11 36th Ave, Long Island City 6, NY	EM1-3084
	PACIFIC MOULDED PRODUCTS	**905 E. 59 St, Los Angeles, Cal**	
	PACIFIC RELAYS INC	**13915 Saticoy Ave, Van Nuys, Cal**	**ST2-2360**
Cal	The Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Cal	The Thorson Co	444 Olive St, San Diego, Cal	CY8-8385
Cal	The Thorson Co	2443 Ash St, Palo Alto, Cal	DA1-2414
Del	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-0545
DC	Houser Associates	734-15th St, N.W., Washington, DC	ME8-0084
Md	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Md	Houser Associates	734-15th St, N.W., Washington, DC	ME8-0084
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
NJ	Houser Associates	734-15th St, N.W., Washington, DC	ME8-0084
Ore	The Thorson Co	1767 15th Ave, S., Seattle, Wash	EA5-5000
Pa	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Pa	Houser Associates	734-15th St, N.W., Washington, DC	ME8-0084
Va	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Va	Houser Associates	734-15th St, N.W., Washington, DC	ME8-0084
Wash	The Thorson Co	1767-15th Ave, S., Seattle, Wash	EA5-5000
	PACIFIC RESISTOR & CABLE CO	**2186 Colorado Ave, Santa Monica, Cal**	
	PACIFIC SCIENTIFIC CO	**Box 22019, L A 22, Cal**	**SP3-2020**
Cal	Pacific Scientific Co	10242 Placentia Ave, Anaheim, Cal	
Cal	Pacific Scientific Co	1950 5th Ave, San Diego, Cal	
Cal	Pacific Scientific Co	760 Harrison, San Francisco, Cal	
Colo	Pacific Scientific Co	2110 S. Ash St, Denver, Colo	
Fla	Air Supply-Aero Engineering Co	2050 Fairbanks Ave, Orlando, Fla	
Ga	Air Supply-Aero Engineering Co	3237 Peachtree Rd, N.E. Atlanta, Ga	
Ill	Air Supply-Aero Engineering Co	4982 Warren Ave, Chicago, Ill	
Ind	Air Supply-Aero Engineering Co	3440 N. Meridian, Indianapolis, Ind	
Md	Air Supply-Aero Engineering Co	7215 York Rd, Baltimore, Md	
Mass	Air Supply-Aero Engineering Co	19 Spring St, Boston, Mass	
Mich	Air Supply-Aero Engineering Co	W. McNichols Rd, Detroit, Mich	
Minn	Air Supply-Aero Engineering Co	5407 Excelsior, Minneapolis, Minn	
Mo	Air Supply-Aero Engineering Co	Box 6247, Lambert Field, St. Louis, Mo	
NY	Air Supply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	
NY	Air Supply-Aero Engineering Co	236 E. James St, Syracuse, NY	
Ohio	Air Supply-Aero Engineering Co	911 S. James Rd, Columbus, Ohio	
Ohio	Air Supply-Aero Engineering Co	333 W. 1st St, Dayton, Ohio	
Ore	Pacific Scientific Co	1218 S.E. 7th Ave, Portland, Ore	
Pa	Air Supply-Aero Engrg Co	1510 Russell Rd, Philadelphia, Pa	
Tex	Pacific Scientific Co	702 A E. Abram St, Arlington, Tex	
Wash	Pacific Scientific Co	421 Michigan St, Seattle, Wash	
Foreign	Pacific Scientific Co	SRMA Sante-Vallier, Sur Rhone (Drame), France	
Canada	Garret Mfg Ltd	4 Racine Rd, Rexdale, Ontario, Canada	
Foreign	Pacific Scientific Co	Teleflex, NV Stadlenweg 53, Rotterdam, Holland	
	PACIFIC SEMICONDUCTORS INC	**10451 W.Jefferson, Culver City, Cal**	**OS9-4561**
Cal	Pacific Semiconductors Inc	8271 Melrose Ave, Los Angeles, Cal	OL3-7850
Cal	Pacific Semiconductors Inc	701 Welch Rd, Palo Alto, Cal	DA1-2240
Fla	Pacific Semiconductors Inc	St. Petersburg, Fla	WA1-9735
Ill	Pacific Semiconductors Inc	6957 W. North Ave, Oak Park, Ill	VI8-9750
Md	Pacific Semiconductors Inc	1811 N. Rolling Rd, Baltimore, Md	WI4-3622
Mass	Pacific Semiconductors Inc	471 Washington St, Wellesley 81, Mass	CE5-0171
Mich	Pacific Semiconductors Inc	29141 Mark, Royal Oak 4, Mich	LI8-4722
NY	Pacific Semiconductors Inc	2079 Wantagh Ave, Wantagh, NY	SU1-7470
NY	Pacific Semiconductors Inc	19 Merritt Rd, Glen Falls, NY	
Pa	Pacific Semiconductors Inc	320 Huntingdon Pike, Rockledge, Phila	PI2-8089
Tex	Pacific Semiconductors Inc	2681 Freewood Dr, Dallas, Tex	RI7-1258
	PACIFIC TECHNICAL CO	**2047 Sawtelle Blvd, Los Angeles 25, Cal**	
	PACIFIC TRANSDUCER CORP	**11836 W.Pico Blvd, Los Angeles 64, Cal**	
	PACIFIC UNIVERSAL PRODS CORP	**168 Vista Ave, Pasadena 8, Cal**	**MU1-7646**
	PACKARD BELL COMPUTER CORP	**1905 Armacost Ave, Los Angeles 25, Cal**	**GR8-4247**
Ala	MEDCO Inc	P.O. Box 216, Melbourne, Fla	PA3-7016
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Ariz	Kittleson Co	P.O. Box 803, Alamagordo, NM	HE7-2780
Ark	George W Sickler Co	6115 Denton Dr, Dallas 35, Tex	FL1-5515
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Cal	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Colo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Conn	Brogan Associates Inc	7 Water St, Boston, Mass	CA7-5257
Del	S S Lee Associates	2521 Ennals Ave, Wheaton, Md	LO5-3066
DC	S S Lee Associates	2521 Ennals Ave, Wheaton, Md	LO5-3066
Fla	MEDCO Inc	P.O. Box 216, Melbourne, Fla	PA3-7016
Ga	MEDCO Inc	P.O. Box 216, Melbourne, Fla	PA3-7016
Idaho	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Ill	Pivan Engineering	2820 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering	6055 N. College Ave, Indianapolis 20,	CL3-0444
Iowa	Pivan Engineering	2820 W. Peterson Ave, Chicago 45, Ill	BR4-9135
Kan	Ensco Co	8325 E. Indianapolis, Wichita 18, Kan	ML3-3751
Ky	Pivan Engineering	2820 W. Peterson Ave, Chicago 45, Ill	BR4-9135
La	Geo W Sickler Co	6115 Denton Dr, Dallas 35, Tex	FL1-5515
Me	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
Md	S S Lee Associates	2521 Ennals Ave, Wheaton, Md	LO5-3066
Mass	Brogan Associates Inc	7 Water St, Boston, Mass	CA7-5257
Minn	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Miss	S S Lee Associates	Utilities Bldg, Huntsville, Ala	JE6-0631
Mo	Ensco Co	4550 Main St, Kansas City 11, Mo	JE1-7765
Neb	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
Nev	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
NH	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
NJ	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
NM	Kittleson Co	P.O. Box 803, Alamogordo, NM	HE7-2780
NY	Brogan Associates Inc	603 Main, Westbury, NY	ED3-4555
NC	S S Lee Associates	P.O. Box 906, Winston Salem, NC	ST8-0431
Okla	Geo W Sickler Co	6115 Denton Dr, Dallas 35, Tex	FL1-5515
Pa	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
RI	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
SC	S S Lee Associates	P.O. Box 906, Winston Salem, NC	ST8-0431
Tenn	S S Lee Associates	Utilities Bldg, Huntsville, Ala	JE5-0631
Tex	Geo W Sickler Co	6115 Denton Dr, Dallas 35, Tex	FL1-5515
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	BR4-9135
Vt	Brogan Associates Inc	603 Main St, Westbury, NY	ED3-4555
Va	S S Lee Associates	2521 Ennals Ave, Whealon, Md	LO5-3066
W. Va	S S Lee Associates	2521 Ennals Ave, Wheaton, Md	LO5-3066
Wisc	Murphy Associates	1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-9455
	PACKARD-BELL ELECTRONICS CORP TECHNICAL PRODUCTS DIV	**12333 W.Olympic Blvd, L A 64, Cal**	**BR2-6141**
DC	Packard Bell Electronics Corp	1000 Connecticut Ave, Washington, DC	ME8-0737
NJ	Packard Bell Electronics Corp	30 Linden Pl, Red Bank, NJ	SH1-2639
NY	Packard Bell Electronics Corp	250 Genesee St, Utica, NY	RE3-6577
Ohio	Packard Bell Electronics Corp	11 W. Monument Ave, Dayton, Ohio	BA3-1291
Wash	Packard Bell Electronics Corp	1152 Thomas St, Seattle, Wash	MA4-5320
	PACKARD ELECTRIC DIV GMC	**312 Dana Ave, Warren, Ohio**	**EX3-2502**
	PACSOL DIV ILLINOIS TOOL WORKS	**3155 W. El Segundo Blvd, Hawthorne, Cal**	**OR8-4931**
Cal	Miner & Associates Inc	115 Main St, El Segundo, Cal	OR8-9437
Conn	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Me	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Mass	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NH	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NJ	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NY	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
NY	Wall Associates	Box 161, DeWitt 14, NY	OI6-4100
RI	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Vt	B-Gray Inc	51 E. 42nd St, New York 17, NY	OX7-1396
Wash	James Findley Co	Box 717, Bellevue, Wash	GL4-5200
	PALMER INC., N V	**4108 N.W. Fruit Valley Rd, Vancouver, Wash**	**OX3-0590**
	PALMER INSTRUMENTS	**1017 Mission St, South Pasadena, Cal**	**MU2-1194**
Ariz	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
Cal	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
	PALNUT CO., THE, DIV of UNITED-CARR FASTENER CORP	**77A Glen Rd, Mountainside, NJ**	**AD3-3300**
	PALO ALTO ENGINEERING CO	**620 Page Mill Rd, Palo Alto, Cal**	**DA6-5360**
	PAN AMERICAN TRADE DEVELOPMENT CORP	**2 Park Ave, New York 16, NY**	**MU6-7960**
	PAN ELECTRONICS CORP	**Box 404, Griffin, Ga**	**9401**
Cal	Dorr Wagner Associates	Box 333, Pasadena, Cal	MU1-4060
Ga	Frank Nickerson & Co	1202 Zonolite Rd, Atlanta 6, Ga	TR5-8908
NY	E R A	Great Neck, NY	HU2-9320
Pa	Samuel A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
	PANDUIT CORP	**14461 Waverly Ave, Middlothian, Ill**	**HI5-3134**
Ariz	Howe & Howe	4328 N. 42nd Pl, Phoenix, Ariz	AM5-9185
Ark	Harold Fortney Co	4129 Peoria, Tulsa, Okla	RI7-6490
Cal	Walter Corman	7432 W. 80th St, Los Angeles, Cal	OR0-2520
Cal	Campbell & George Co	1601 Cortland Ave, San Francisco, Cal	MI8-1236
Colo	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	SK7-1261
Conn	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
Del	Naudain Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
DC	Naudain Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Fla	W Chester Smith	207 E. Broward Blvd, Ft. Lauderdale, Fla	JA4-7172
Idaho	E H Sosine Co	3618-39th Ave, W., Seattle, Wash	AT3-9017
Ill	Hill & Grey	41 1/2 Harrison St, Oak Park, Ill	EU3-0373
Ind	C Valentine Inc	511 Ft. Wayne Bk Bldg, Ft. Wayne, Ind	AN9122
Iowa	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Kan	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Ky	C Valentine Inc	511 Ft. Wayne Bk Bldg, Ft. Wayne, Ind	AN9122
Me	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
Md	Naudain Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Mass	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
Mich	Koehler-Pasmore Inc	[illegible] Hamilton Ave, Detroit, Mich	[illegible]6-3322
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Mo	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Neb	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
NJ	Oliver Sales Engineering Co	213 Edgewood Ave, Westfield, NJ	AD2-6284
NH	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
NM	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	SK7-1261
NY	R W Mischer Co	Ellicott Sq Bldg, Buffalo, NY	[illegible]
ND	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Ohio	C Valentine	511 Ft. Wayne Bk Bldg, Ft. Wayne, Ind	AN9122
Okla	Harold Fortney Co	4129 Peoria, Tulsa, Okla	RI7-6490
Ore	E H Sosine Co	3618-39th Ave, W., Seattle, Wash	AT3-9017
Pa	Naudain Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
RI	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
SD	Heimann	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Tex	Burrus & Matthews	1116 Nagle St, Houston, Tex	
Utah	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	SK7-1261
Vt	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	AD3-3613
Va	Naudain Bohaker & Co	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Wash	E H Sosine Co	3618-39th Ave, W., Seattle, Wash	AT3-9017
Wisc	Martin C Mercer	Box 24, Wauwatosa, Wisc	BR2-2411
Wyo	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	SK7-1261
Canada	J J MacQuarrie	46 St. George St, Toronto, Canada	WA3-2455
	PANELYTE DIV ST. REGIS PAPER CO	**N.Enterprise Ave, Trenton 8, NJ**	**EX2-2182**
Ariz	Electrical Specialty Co	210 W. Adams St, Phoenix, Ariz	AL2-2107
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Cal	Electrical Specialty Co	158-168 Eleventh St, San Francisco, Cal	HE1-8450
Colo	Electrical Specialty Co	2026 Arapahoe, Denver 5, Colo	CH4-4588
DC	A R Oberhofer	8218 Wisconsin Ave, Washington 14, DC	OL4-8976
Ill	H E Larson/A Tischbein	4551 W. Fulton Ave, Chicago 41, Ill	MA6-5300
Mass	J P Brennan	110 Cypress St, Brookline 46, Mass	AS7-8671
Mich	R A Infanger	15631 W. McNichols Rd, Detroit 35, Mich	BR3-6240
Mo	Panaloy Co	112 W. 18th St, Kansas City, Mo	VI2-7944
Mo	F R Hearn Co	5671 Chippewa St, St. Louis, Mo	HU1-8135
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	F M Singer	360 Lexington Ave, New York, NY	YU6-2727
Ohio	J P McLusky	1720 Section Rd, Cincinnati, Ohio	EL1-1410
Ohio	V V Kroen	3535 Chester Ave, Cleveland, Ohio	EX1-9150
Ore	Electrical Specialty Co	212 N W. 14th St, Portland, Ore	CA7-3188
Utah	Electrical Specialty Co	2588 Simpson Ave, Salt Lake City, Utah	HU5-3696
Vt	R A Knowlton	Stoneledge Farm, N. Ferrisburg, Vt	VA5-2651
Wash	Electrical Specialty Co	2406 First Ave, S., Seattle, Wash.	EL8061
Wisc	Hamlet & Smith	6031 W. Center St, Milwaukee, Wisc	UP1-9040
	PANORAMIC RADIO PRODUCTS INC	**530 S. Fulton Ave, Mt. Vernon, NY**	**OW9-4600**
Cal	Carl A Stone Associates Inc	8971 Natl Blvd, Los Angeles, Cal	UP0-7777
Fla	Arthur H Lynch Associates	406 Danley Dr, Page Pk, Ft. Myers, Fla	WE6-2181
Nev	Carl A Stone Associates Inc	8971 Natl Blvd, Los Angeles, Cal	UP0-7777
	PANTEK CO	**Box 17121, Foy Sta, Los Angeles 17, Cal**	
	PARABAM INC	**13000 Yukon, Hawthorne, Cal**	**OS9-3393**
Ala	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ariz	Landis Associates	1531 S. Robertson Blvd, L A, Cal	CR4-8185
Ark	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Cal	Landis Associates	1531 S. Robertson Blvd, L A, Cal	CR4-8185
DC	Tyler Griffin Co	325 S. Fairfield Rd, Devon, Pa	NE8-4821
Fla	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Ga	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Kan	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
La	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
NJ	Herbert Shprentz Co	Box 147, Scarsdale, NY	SC5-0485
NJ	Tyler Griffin Co	325 S. Fairfield Rd, Devon, Pa	NE8-4821
NM	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
NY	Herbert Shprentz Co	P. O. Box 147, Scarsdale, NY	SC5-0485
NC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Okla	Industrial Associated Electronics	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Tenn	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Tex	Industrial Associated Electronics Inc	5007 E. Lancaster, Ft. Worth, Tex	JE1-1132
Foreign	Industrial Imports Ltd	Box 1271, Central Post Office, Tokyo, Japan	
	PARAGON-REVOLUTE DIV OF CHARLES BRUNING CO., INC	**71 South Ave, Rochester 4, NY**	**BA5-2480**
Cal	G M Estabrook	75 Industrial St, San Francisco 24, Cal	VA4-4300
Cal	N F Wolcott	855 Cahuenga Blvd, Los Angeles 38, Cal	HO2-7161
Colo	R B Metcalfe	352 Santa Fe Dr, Denver, Colo	AC2-0654
DC	J O Schwenzer	2311 "M" St, N.W., Washington 6, DC	FE7-2400
Ga	J W Spears	411 Williams St, N.W., Atlanta, Ga	JA5-3555
Hawaii	Gerard D Bergh	317 Kamakee St, Honolulu, Hawaii	501-865
Ill	R W Sullivan	300 W. Congress Pkwy, Chicago 7, Ill	HA7-5353
Ind	F J Baker	1915 W. 18th St, Indianapolis 7, Ind	ME9-2521
Kan	C E Dillon	2546 Broadway, Kansas City 8, Kan	HA1-8205
MD	J O Schwenzer	650 N. Point Rd, Baltimore 5, Md	DI2-2328
Mass	L W DeGraff	965 Commonwealth Ave, Boston 15, Mass	ST2-5680
Mich	C S Penoyer	2335 E. Grand Blvd, Detroit 11, Mich	TR3-6600
Mo	C E Dillon	2625 Olive St, St. Louis 3, Mo	JE5-7885
NY	R W Bristol Inc	370 Seventh Ave, New York, NY	CH4-4437
Ohio	J A Salisbury	1815 St. Clair Ave, Cleveland 14, Ohio	CH1-2902
Ore	J H LeSueur	2136 S.W. Fifth Ave, Portland 1, Ore	CA6-6533
Pa	S Q Grady	921 Ridge Ave, Pittsburgh 12, Pa	FA1-2011
Pa	S M Gartland	7790 Dugan Rd, Philadelphia, Pa	PI2-1200
Tex	W K Miller	3522 Polk Ave, Houston 1, Tex	CA4-6145
Tex	W K Miller	1936 McKinney at Harwood, Dallas, Tex	RI8-9541
Wash	J H LeSueur	5901 Fourth Ave, S., Seattle 8, Wash	PA5-4450
Wisc	W F Schreiber	530 N. Ninth St, Milwaukee 3, Wis	BR1-3400
	PARAMOUNT PAPER TUBE CORP	**614 Lafayette St, Ft. Wayne, Ind**	**A-4197-8**
Ariz	Electrical Specialty Co	210 W. Adams St, Phoenix, Ariz	
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Cal	Electrical Specialty Co	158-168 11th St, San Francisco, Cal	HE1-8450
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	R S Pettigrew & Co	10 N. Main St, W. Hartford 7, Conn	AD3-8533
Me	R S Pettigrew & Co	10 N. Main St, W. Hartford 7, Conn	AD3-8533
Mass	R S Pettigrew & Co	45 Main St, Natick, Mass	
NH	R S Pettigrew & Co	10 N. Main St, W. Hartford 7, Conn	AD3-8533
NJ	Mel Schwartz	39-16 Tierney Pl, Fairlawn, NJ	FA1-3435
NY	Mel Schwartz	39-16 Tierney Pl, Fairlawn, NJ	FA1-3435
Ore	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Tex	Lawrence Sales Co	Box 13026, Dallas 20, Tex	FL2-7484
Vt	R S Pettigrew & Co	10 N. Main St, W. Hartford 7, Conn	AD3-8533
Canada	Lake Engineering Co	767 Warden Ave, Scarborough, Ont, Canada	PL7-3253
	PARAMOUNT PRODUCTS CO., INC	**759 Ramsey Ave, Hillside 5, NJ**	**MU8-8150**
	PARAPLEGICS MFG CO., INC	**308 York Rd, Bensenville, Ill**	**PO6-0350**
	PARAVOX INC	**Box 613, Oakland Pk St, Ft. Lauderdale, Fla**	**LO6-7556**
Ohio	Vita Tone Co	Holleo St, Dayton, Ohio	BA3-8254

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	PAR-METAL PRODUCTS CORP	**32-62 49th St, Long Island City, 3, NY**	**AS8-8905**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Ill	Oren H Smith Co	221 W. Huron St, Chicago 10, Ill	
Ind	Oren H Smith Co	221 W. Huron St, Chicago 10, Ill	
La	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Me	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	
Mass	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Mo	W T McGary	6635 Delmar Blvd, St. Louis 5, Mo	
NH	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Ohio	Scott & Steffin Inc	1836 Euclid Ave, Cleveland 15, Ohio	
RI	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Vt	Stanley A Harris	1241 Highland Ave, Needham 92, Mass	
	PAR PRODUCTS CORP	**602 Colorado Ave, Santa Monica, Cal**	**EX4-4219**
Cal	Soltys Associates	5481 Santa Monica Blvd, Hollywood, Cal	HO5-5605
	PARK NAMEPLATE CO., INC	**34-10 Linden Pl, Flushing 54, NY**	**FL9-7000**
Conn	Hugh McCann	3 Hazelnut Rd, Westport, Conn	CA7-0787
DC	Martin J Egan	237 Kenilworth Ave, Philadelphia 20, Pa	LI8-8491
Fla	Cy G Coopage	P.O. Box 95, Winter Park, Fla	MI4-6842
Ill	Park Nameplate Co., Inc	331 N. Austin Blvd, Chicago, Ill	MA6-0381
Ind	Hunker & Dixon	433 Merchants Bank Bldg, Indianapolis 4,	ME6-6518
Ky	John Kilfoil	P.O. Box 423, Cincinnati 37, Ohio	PO1-1250
Md	Martin J Egan	237 Kenilworth Ave, Philadelphia 20, Pa	LI8-8491
Mass	Allan White	Forrest Park Sta, Springfield, Mass	ST3-1431
Mich	Gillespie Sales Engineering Co	1605 Lake Dr, S.E., Grand Rapids 6, Mich	GL4-9511
Mich	G S Staunton & Co., Inc	1025 E. Maple, Birmingham, Mich	JO6-3833
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis 3, Minn	FE9-0707
Mo	Rees Lewis	317 N. Taylor Ave, St. Louis 8, Mo	FO1-6554
NH	Allan White	Forrest Park Sta, Springfield, Mass	ST3-1431
NY	William Murphy	89 Crest Rd, N. Merrick, NY	CA1-2826
NY	Dynatherm Co	607 W. Commercial St, E. Rochester, NY	LU6-0082
NC	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA4-2084
Ohio	John Brownrigg	P.O. Box 3, Elyria, Ohio	FA2-3570
Ohio	John Kilfoil	P.O. Box 423, Cincinnati 37, Ohio	PO1-1250
Pa	Martin J Egan	237 Kenilworth Ave, Philadelphia 20, Pa	LI8-8491
Wisc	Dean Sparks	2565 N. Terrace Ave, Milwaukee 11, Wisc	FR2-0356
	PARKER-KALON	**1 Peekay Dr, Clifton, NJ**	**GR1-1000**
Cal	Walter Whitson	2632 S. Grand Ave, Los Angeles, Cal	
Colo	Robert H Floyd	2370 S. Madison, Denver, Colo	
Conn	William Stenger	310 Porter St, Manchester, Conn	
Ill	William Conover	4331 W. Lake St, Chicago, Ill	
Ind	Robert Mowry	1144 Navajo Trail, Ind	
Mass	Jack O'Donnell	90 Dwinell St, W. Roxbury, Mass	
Mich	Joseph Berger	94 E. Andersen Ct, Hazel Park, Mich	
Mo	Richard Jamison	6 Hardith Hill Ct, St. Louis, Mo	
NJ	Elber Stearns	11 Newman Ave, Verona, NJ	
NY	Allen Dickson	76 Jane St, NY	
NY	Jack Salbera	318 Mains Ave, Syracuse, NY	
Ohio	James Neary	22365 Fairlawn Circle, Fairview Pk, Ohio	
Ohio	Richard Pranik	3801 N. Ridge, W., Ashtabula, Ohio	
Pa	William Cuthbertson	269 Cassatt Rd, Berwyn, Pa	
Tex	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas, Tex	
Wisc	Gerald Kosnar	330 N. Elmridge Ave, Brookfield, Wisc	
	PARKER METAL GOODS CO	**85 Prescott St, Worcester, Mass**	
	PARKER SEAL CO	**10567 W. Jefferson Blvd, Culver City, Cal**	**VE9-1161**
Cal	Robert B Porter Co	1804 Chiquita Pl, Glendale 8, Cal	CH5-7631
Mass	Irving B Moore Corp	65 High St, Boston 10, Mass	HU2-7565
NJ	C E Conover Co., Inc	Rt 17, Hasbrouck, NJ	AT03800
Ohio	Parker Seal Co	17325 Euclid Ave, Cleveland 12, Ohio	KE1-3000
Pa	I T E Circuit Breaker Co	601 E. Erie Ave, Philadelphia 34, Pa	GA6-5700
	PARKS LAB., HENRY F	**Box 1665, Lake City Sta, Seattle, Wash**	**LA3-4832**
Ariz	Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64, Cal	GR8-1134
Ariz	Pacific Coast Instrument Co	256 Mission St, San Francisco, Cal	SU1-3181
Cal	Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64, Cal	GR8-1134
Cal	Pacific Coast Instrument Co	256 Mission St, San Francisco, Cal	SU1-3181
Idaho	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
Ill	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Ind	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Iowa	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Ky	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Mich	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Mo	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Mont	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
NM	Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64, Cal	GR8-1134
NM	Pacific Coast Instrument Co	256 Mission St, San Francisco, Cal	SU1-3181
Ore	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
Tex	Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64, Cal	GR8-1134
Tex	Pacific Coast Instrument Co	256 Mission St, San Francisco, Cal	SU1-3181
Utah	Pacific Transducer Corp	11836 W. Pico Blvd, Los Angeles 64, Cal	GR8-1134
Utah	Pacific Coast Instrument Co	256 Mission St, San Francisco, Cal	SU1-3181
Wash	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
Wisc	Arthur S LaPine & Co	6001 S. Knox Ave, Chicago 29, Ill	RE5-4700
Foreign	Modern Agriculture Co	3504 Georgetown Sta, Washington, DC	FE7-4880
	PARKWAY SPECIALTIES CO	**22519 Plymouth Rd, Detroit 39, Mich**	**KE5-0796**
Conn	Frank S Maher	106 Woodlawn St, West Hartford 10, Conn	
Ill	Walter F Marsh & Associates	308 N. Scoville Ave, Oak Park, Ill	
Ind	Charles Scheffler Co	1133 Navajo Trail - R R 14, Indianapolis 8, Ind	
Mass	Frank S Maher	106 Woodlawn St, West Hartford 10, Conn	
Mich	Malcolm Flora	N. Territorial at Ridgewood, Plymouth	GL3-4296
NH	Frank S Maher	106 Woodlawn St, W. Hartford 10, Conn	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NY	Art Hess Associates	62-07 68th Ave, Glendale 27, NY	
NY	Steve Fisher Sales Co	800 Greenwood Ave, Brooklyn 18, NY	
RI	Frank Maher	106 Woodlawn, W. Hartford 10, Conn	
Canada	M Rosen	58 Spadina Ave, Toronto, Ontario, Canada	
	PARSONS CO., RALPH M ELECTRONICS DIV	**151 S. DeLacey Ave, Pasadena, Cal**	**MU1-0461**
Ala	Ralph M Parsons Co Electronics Div	501 Kennan Rd, N.W., Huntsville, Ala	
DC	Ralph M Parsons Co Electronics Div	1000 Sixtheenth St, N.W., Wash, DC	
	PARTRICK & WILKINS CO	**53 N. Seventh St, Philadelphia, Pa**	**WA5-7985**
	PATWIN DIV PATENT BUTTON CO	**41 Brown St, Waterbury 20, Conn**	**PL6-3636**
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	
Mass	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	
Mo	Norman W Kathrinus	4356 Duncan St, St. Louis 10, Mo	
NY	S Wimpie & Associates Inc	510 W. Boston Post Road, Mamaroneck, NY	
Pa	W R Scholes	P.O. Box 104, Cheltenham, Pa	
Tex	Servo/Electronics Products Co	P.O. Box 13371, Dallas 20, Tex	
Wash	C B Parsons	3028 First Ave, Seattle, Wash	
	PATTON-MAC GUYER CO	**17 Virginia Ave, Providence 5, RI**	**HO1-1550**
	PAUL & BEEKMAN INC	**1801 Courtland St, Philadelphia 40, Pa**	**DA9-9050**
	PAUL & STEIN BROS INC., F H	**235 Fifth Ave, New York 16, NY**	**MU4-6370**
	PEARCE SIMPSON INC	**2295 N.W. 14th St, Miami 35, Fla**	
	PEARSON ELECTRONICS INC	**707 Urban Ln, Palo Alto, Cal**	**DA6-7285**
	PEASE CO., C F	**2601 W. Irving Park Rd, Chicago, Ill**	**IN3-2800**
	PECK STOW & WILCOX CO	**215 Center St, Southington, Conn**	**MA6-9621**
Mo	Vernon L Haug	405 E. Jackson Rd, Webster, Groves	
	PEE CEE TAPE & LABEL CO., INC	**521 N. La Brea Ave, Los Angeles, Cal**	**WE8-2134**
	PEECO CORP	**2760 Whittier Blvd, Los Angeles 23, Cal**	**AN9-4164**
	PEER INC	**Benton Harbor, Mich**	**WA5-8828**
	PEER, INC	**2624 Shelby St, Dallas 19, Tex**	**LA6-8353**
	PEERLESS ELECTRIC CO BLOWER DIV	**1401 W. Market St, Warren, Ohio**	**EX3-1551**
Ala	Bratton Sales Engineers	2812 12th Ave, N., Atlanta 12, Ga	FA4-8534
Ariz	Norman S Wright & Co	2641 E. Adams St, Phoenix, Ariz	BR5-4469
Ark	Wade & Avery	109 N. Van Buren St, Little Rock, Ark	MO6-6342
Cal	Norman S Wright & Co	1015 Folsom St, San Francisco, Cal	UN3-3321
Colo	McCombs Supply Co	1819 Wazee St, Denever 17, Colo	CH4-6623
Conn	Engineering Services Co	6 Sylvan Way, Wallingford, Conn	CO9-1164
DC	Holliday Inc	2315 L St, N.W., Wash, DC	FE7-2330
Fla	Karl Midney	315 Lotus Path, Clearwater, Fla	3-3347
Ga	Hendrix-Sawyer Inc	225 Moore St, S.E., Atlanta, Ga	JA5-7506
Ill	L E Schulein	5921 W. Lake St, Chicago, Ill	ES8-7588
Ind	Paller Engineering Co	3025 N. Illinois St, Indianapolis 8, Ind	WA6-5444
Iowa	E T Collins & Associates	301 Plymouth Bldg, Des Moines 2, Iowa	AT2-1659
Ky	Sales Engineering Associates	2113 Edgehill Rd, Louisville, Ky	JU2-2087
La	W C Murphy & Associates	6270 Ges Diaz, New Orleans, La	AU5558
Md	Better Air Products	3805 Hickory St, Baltimore, Md	TU9-0571
Mich	Harvey W Reid	11803 Gratiot Ave, Detroit 13, Mich	LA7-1994
Mass	R V Norman	72 Marked Tree Rd, Needham, Mass	HI4-5070
Minn	The Gorgen Co	814 S. Ninth St, Minneapolis, Minn	FE6-1645
Miss	A-T-M Gas Equipment Co	1014 S. Gallatin St, Jackson, Miss	5-4775
Mo	George F Heath Co	4030 Chouteau Ave, St. Louis 10, Mo	JE1-6167
NH	W M Carroll & Co	111 Marble Ave, Albuquerque, NH	CH3-1384
NM	W M Carroll & Co	111 Marble Ave, Albuquerque, NM	CH3-1384
NY	Air-Pak Products	415 Lexington Ave, New York 17, NY	MU7-1932
NC	Hoffman & Hoffman	1102 W. Wendover Ave, Greensboro, NC	BR4-0101
ND	Therm-Air Sales Corp	920 6th Ave, N., Fargo, ND	AD5-8041
Ohio	J A Brainard	4500 Euclid Ave, Cleveland 3, Ohio	EX1-1550
Okla	Federal Corp	120 E. Main St, Oklahoma City	FO5-7301
Ore	Norman S Wright & Co	3607 S.W. Corbett St, Portland, Ore	CA3-9860
Pa	Henth-Crowley Inc	30 S. Market St, Mechanicsburg, Pa	PO6-4764
RI	Hoffman & Hoffman Co	1601 N. Pleasantburg Dr, Greenville, SC	CE3-5916
Tex	J R Dowdell & Co	3160 Irving Blvd, Dallas 7, Tex	FL7-5631
Va	W Wallace Neale Co	16 1/2 N. 9th St, Richmond, Va	MI8-7592
Wash	N S Wright & Co	23 9th Ave, N., Seattle 9, Wash	MA4-7060
	PEERLESS ELECTRONICS INC	**5338 Alhambra Ave, Los Angeles 32, Cal**	
	PEERLESS PHOTO PRODUCTS INC	**Tosis Rd, Shoreham, NY**	**SH4-2817**
	PEERLESS PRODUCTS INDUSTRIES	**812 Pulaski St, Chicago 51, Ill**	**BE5-7883**
	PEGASUS LABS INC	**3690 11 Mile Rd, Berkley, Mich**	**LI6-3636**
Ill	Midwest Hydraulics Inc	4033 W. 63rd St, Chicago 29, Ill	PO7-4969
Iowa	Midwest Hydraulics Inc	1631 A Ave, N. E., Cedar Rapids	EM2-5610
Wisc	Midwest Hydraulics Inc	6033 W. Blue Mound Rd, Milwaukee, Wisc	GR6-3981
	PEIRCE DICTATION SYSTEMS	**5900 Northwest Hwy, Chicago 31, Ill**	**RO3-3220**
	PELLEY CO	**37 Hurley St, Cambridge, Mass**	**UN4-9788**
	PELMOR LABORATORIES INC	**401 Lafayette St, Newton, Pa**	**WO8-3334**
Mass	Wyrough & Loser	751 Main St, Waltham 54, Mass	TW7-4100
NJ	Wyrough & Loser	2 Brunswick Circle Ext, Trenton 8, NJ	LY9-2531

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	PENCO DIV ALAN WOOD STEEL CO	**Oaks, Pa**	**GL2-2271**
	PENDAR, INC	**14744 Arminta St, Van Nuys, Cal**	**ST6-8524**
	PENFIELD MFG CO., INC	**19 High School Ave, Meriden, Conn**	**BE5-1694**
Conn	Fluid Controls Inc	Hickory Hill Rd, Lakeside, Conn	JO7-9533
Ill	Cole-Parmer Instr & Eqpt Corp	224 W. Illinois St, Chicago 10, Ill	DE7-1603
Mass	Indl Filters & Equipment Corp	11 Minchin Dr, Woburn, Mass	WE3-1714
Mass	Consolidated Machine Corp	39 Sudbury St, Boston 14, Mass	CA7-1761
Pa	American Sterilizer Co	Erie, Pa	CL6-2021
	PENN-EAST ENGINEERING CORP	**Box 240, Kutztown, Pa**	**OV3-7308**
	PENN ENGINEERING & MFG CORP	**Box 311, Doylestown, Pa**	**RO6-8853**
Cal	R C Dudek & Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
Ill	S W Anderson Co	314 Circle Ave, Forest Park, Ill	FO6-4971
	PENN FIBRE & SPECIALTY CO	**2820 E. Westmore St, Phila 34, Pa**	**RE9-5642**
	PENN KEYSTONE CORP	**Hawkins St, Derby, Conn**	**RE4-3301**
Ala	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta 13, Ga	
Ariz	Costello & Co	2740 La Cienega Blvd, Los Angeles 34, Cal	
Cal	Costello & Co	2740 La Cienega Blvd, Los Angeles 34, Cal	
Fla	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta 13, Ga	
Ga	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta 13, Ga	
Kan	Air Quip Sales Co	P.O. Box 2623, Wichita, Kan	
Miss	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta 18, Ga	
Mo	Air Quip Sales Co	P.O. Box 2623, Wichita, Kan	
NC	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta 18, Ga	
Okla	Air Quip Sales Co	P.O. Box 2623, Wichita, Kan	
SC	Hart Engineering & Sales Co	651 Tenth St, N.W., Atlanta, Ga	
Tenn	Hart Engineering & Sales Co	651-10th St, N.W., Atlanta, Ga	
Tex	Air Quip Sales Co	P.O. Box 2623, Wichita, Kan	
Canada	Abercorn Aero Limited	7435 Chester Ave, Montreal 29, Quebec, Canada	
	PENN RARE METALS INC	**P. O. Box 1A, Revere, Pa**	**FE4-7711**
	PENN RESISTOR CORP	**526 N. Broad St, Lansdale, Pa**	**UL5-9516**
Cal	Lee Grant Snyder Co	1418 N. Highland Ave, Hollywood, Cal	HO9-6278
Cal	Featherstone & Salisbury	1355 Market St, San Francisco 3, Cal	KL2-2311
Colo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver 22, Colo	GR7-1247
Conn	Arthur T Hatton Co	1000 Farmington Ave, W. Hartford 7, Conn	AD3-3613
Fla	Norman Hardy Associates	444 Second Ave, Melbourne, Fla	ME3180
Ill	Walter F Marsh & Associates	368 N. Scoville Ave, Oak Park, Ill	EU6-2967
Mass	Arthur T Hatton Co	246 Walnut St, Newtonville, Mass	DE2-2021
Minn	Scott Electronic Sales	6500 Xerxes Ave, S., Minneapolis 23, Minn	WA6-3919
NJ	Andrews & Andrews	43 Kent Rd, Tenafly, NJ	LO9-8800
Ohio	Walter J Brauer & Associates	15631 Lakewood Hts Blvd, Cleveland 7,	LA1-7268
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Pa	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Tex	The Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Va	Myers Associates	Box 164, Bristol, Va-Tenn	NO9-6567
Wash	Richard Legg Co	1565 Sixth Ave, S., Seattle, Wash	MU2-7764
Foreign	Pan Mar Corp	1270 Broadway, New York 2, NY	WI7-7986
	PENN TRAN CORP	**Bellefonte, Pa**	**EL5-4747**
DC	Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Md	Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
NJ	Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
NY	Simberkoff Sales	68 Hudson St, Hoboken, NJ	OL6-5211
	PENN-UNION ELECTRIC CORP	**315 State St, Erie, Pa**	**GL6-2285**
Ala	L Morris Landers Co	2653 5th St, N.E., Birmingham, Ala	VE6-6250
Alaska	Northwestern Agencies Inc	4130 1st Ave, S., Seattle, Wash	MA3-8882
Ariz	Kenneth Anderson Co	422 S. 7th St, Phoenix, Ariz	AL2-8061
Ark	Gulf Sales Agency	2524 Blackwood Rd, Little Rock, Ark	MO6-1916
Cal	Kenneth Anderson Co	123 S. Myers St, Los Angeles, Cal	AN8-6771
Cal	F M Nicholas Co	72 Townsend St, San Francisco 7, Cal	YU2-1964
Colo	Jim Dawson Co	661 Delaware St, Denver, Colo	AL5-7194
Conn	Mills Talbot & Co	46 Chauncey Rd, Hamden, Conn	AT8-0711
Del	Harry G Anschuetz Co	113-15 N. 23rd St, Philadelphia 3, Pa	LO4-0872
DC	Campbell & Woods Agency	Travelers Bldg, Richmond, Va	MI9-0721
Fla	Bowen-Arnold Agency	4228 Cortez Way S., St. Petersburg, Fla	OR1-8021
Ga	L Morris Landers Co	251 Spring St, S.W., Atlanta, Ga	MU8-9112
Hawaii	Philips Export Co	100 E. 42nd St, New York 17, NY	QX7-3600
Idaho	Northwestern Agencies Inc	4130 1st Ave, S., Seattle, Wash	MA3-8882
Idaho	John E Eliggren Co	212 W. 4th St, S., Salt Lake City, Utah	DA2-1166
Ill	Marsten Sales Co	466 N. Parkside Ave, Chicago 44, Ill	AU7-0442
Ill	Clyde Warble & Associates	1637 N. Gent Ave, Indianapolis, Ind	ME2-1465
Ind	Clyde Warble & Associates	1637 N. Gent Ave, Indianapolis, Ind	ME2-1465
Iowa	The Donald Corp	313 E. 7th St, Des Moines 9, Iowa	CH3-7623
Kan	Tom Nullik Co	3807 E. 107 St. Terr, Kansas City 37, Mo	SO1-1267
Ky	Clyde Warble & Associates	1637 N. Gent Ave, Indianapolis, Ind	ME2-1465
La	Gulf Sales Agency	3207 Metairie Rd, Metairie, La	VE1-2691
Me	Edward Marcin & Associates	322 Chelsea St, Everett 49, Mass	DU9-2755
Md	Campbell & Woods Agency	Travelers Bldg, Richmond, Va	MI9-0721
Mass	Edward Marcin & Associates	322 Chelsea St, Everett 49, Mass	DU9-2755
Mich	The Dale P Seyfried Co	20424 Plymouth Rd, Detroit 28, Mich	BR3-6260
Minn	Electrical Jobbers Equipment Co	619 4th Ave, S., Minneapolis, Minn	FE6-6321
Miss	Gulf Sales Agency	139 Chippewa Circle, Jackson, Miss	
Mo	Tom Nullik Co	3807 E. 107 St. Terr, Kansas City 37, Mo	SO1-1267
Mo	Carlton Cooley	1115 Kirkham Rd, Glendale 22, St. Louis	WO2-1033
Mont	Northwestern Agencies Inc	4130 First Ave, S., Seattle, Wash	MA3-8882
Mont	Jim Dawson Co	661 Delaware St, Denver, Colo	AL5-7194
Neb	The Donald Corp	313 E. 7th St, Des Moines 9, Iowa	CH3-7623
Nev	John E Eliggren Co	212 W. 4th St, Salt Lake City, Utah	DA2-1166
Nev	F M Nicholas Co	72 Townsend St, San Francisco 7, Cal	YU2-1964
NH	Edward Marcin & Associates	322 Chelsea St, Everett 49, Mass	DU9-2755
NJ	Harry G Anschuetz Co	30 Vincent St, Chatham, NJ	ME5-8385

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Joseph & Canning Inc	111 Broadway, New York 6, NY	CO7-0276
NM	R L Brewer Co., Inc	100 S. El Paso St, El Paso, Tex	KE2-7651
NY	Joseph & Canning Inc	111 Broadway, New York 6, NY	CO7-0276
NY	Mills Talbot & Co	1 Flint St, Rochester 8, NY	ID6-0990
NC	Campbell & Woods Agency	114 Woodland Dr, Cary, NC	-
ND	Electrical Jobbers Equipment Co	619 4th Ave, S., Minneapolis, Minn	FE6-6321
Ohio	K R Dodge Co	19850 Lake Shore Blvd, Cleveland 19	IV1-6383
Ohio	M J Leahy Co	1089 Elmore Ave, Columbus 24, Ohio	AM7-4051
Okla	Tom Nulik Co	3807 E. 107 St. Terr, Kansas City 37, Mo	SO1-1267
Ore	Northwestern Agencies Inc	4130 1st Ave, S., Seattle, Wash	MA3-8882
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Pa	Harry G Anschuetz Co	113-15 N. 23rd St, Philadelphia 3, Pa	LO4-0872
RI	Edward Marcin & Associates	322 Chelsea St, Everett 49, Mass	DU9-2755
SC	Campbell & Woods Agency	114 Woodland Dr, Cary, NC	-
SD	Electrical Jobbers Equipment Co	619 4th Ave, S., Minneapolis, Minn	FE6-6321
Tenn	Gulf Sales Agency	724 M & M Bldg, Memphis, Tenn	JA7-3729
Tenn	L Morris Landers Co	251 Spring St, S.W., Atlanta, Ga	MU8-9112
Tex	Walter J Huemmer Co	2nd Unit Santa Fe Bldg, Dallas 2, Tex	FE1-0928
Tex	Walter J Huemmer Co	2829 Sunset Blvd, Houston 5, Tex	MA3-7731
Tex	R L Brewer Co., Inc	100 S. El Paso St, El Paso, Tex	KE2-7651
Utah	John E Eggren Co	212 W. 4th S., Salt Lake City, Utah	DA2-1166
Vt	Edward Marcin & Associates	322 Chelsea St, Everett 49, Mass	DU9-2755
Va	Campbell & Woods Agency	Travelers Bldg, Richmond, Va	MI9-0721
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle, Wash	MA3-8882
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
W. Va	Campbell & Woods Agency	Travelers Bldg, Richmond, Va	MI9-0721
Wisc	A W Schwind Co	324 S. Second St, Milwaukee, Wisc	BR3-6260
Wisc	Electrical Jobbers Equipment Co	619 4th Ave, S., Minneapolis, Minn	FE6-6321
Wyo	Jim Dawson Co	661 Delaware St, Denver, Colo	AL5-7194
Foreign	Philips Export Co	100 E 42nd St, New York 17, NY	OX7-3600
	PENNSYLVANIA FLUOROCARBON CO	**1115 N. 30th St, Philadelphia 4, Pa**	**EV6-0603**
Ala	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
Ariz	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	
Cal	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
Cal	R S Hughes Co	564 College Ave, Palo Alto, Cal	
Colo	R S Hughes Co	2811 W. 9th St, Denver 4, Colo	
Conn	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
Del	Massey & Associates	529 Brookhurst Ave, Narberth, Pa	
DC	Massey & Associates	529 Brookhurst Ave, Narberth, Pa	
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	
Ga	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
Idaho	R S Hughes Co	4514 Alger St, Los Angeles 39, Cal	
Ill	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	
Ind	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	
Ind	Edward J Connors	59 Central Ave, Dayton 6, Ohio	
Iowa	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	
Kan	Herbert A Roes	2601 Cherry St, Kansas City 8, Mo	
Ky	Edward J Connors	59 Central Ave, Dayton 6, Ohio	
La	Cadillac Plastic Co	2546 Irving Blvd, Dallas 7, Tex	
Me	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
Md	Massey & Associates	529 Brookhurst Ave, Narberth, Pa	
Mass	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
Mich	Roy H Dean	23874 Kean Ave, Dearborn, Mich	
Minn	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	
Miss	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
Mo	Industrial Process Equipment Co	4903 Delmar, St. Louis 8, Mo	
Mont	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
Neb	Herbert A Roes	2601 Cherry St, Kansas City 8, Mo	
Nev	R S Hughes	4515 Alger St, Los Angeles 39, Cal	
NH	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
NJ	Reed & Riddett Co	1106 Jericho Trnpk, New Hyde Park, NY	
NJ	Massey & Associates	529 Brookhurst Ave, Narberth, Pa	
NM	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
NY	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
NY	Reed & Riddett Co	1106 Jericho Trnpk, New Hyde Park, NY	
NC	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
ND	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	
Ohio	W L Higgins Jr	1293 Salada Rd, Mentor, Ohio	
Ohio	Edward Connors	59 Central Ave, Dayton 6, Ohio	
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	
Ore	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
Pa	Massey & Associates	529 Brookhurst Ave, Narberth, Pa	
Pa	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
RI	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
SC	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
SD	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	
Tenn	Howard R Haney	3236 Draper Ave, Charlotte 5, NC	
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	
Utah	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
Vt	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
Wash	R S Hughes Co	1107 Bailey St, Seattle 8, Wash	
W. Va	Keene Industrial Sales Corp	P.O. Box 171, Wynnewood, Pa	
Wisc	Anderson & Associates	3825 York Ave, N. Minneapolis 22, Minn	
Wisc	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	
Wyo	R S Hughes Co	4515 Alger St, Los Angeles 39, Cal	
	PENNSYLVANIA TESTING LAB INC	**Doylestown, Pa**	**DI3-1800**
	PENNWOOD NUMECHRON CO	**7247 Frankstown Ave, Pittsburgh 8, Pa**	**FR1-4200**
	PENTA LABORATORIES INC	**312 N.Nopal St, Santa Barbara, Cal**	**WO 5-4581**
Ala	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ariz	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
Ark	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
Conn	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Del	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
DC	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Fla	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu 17, Hawaii	83-105
Ill	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Ind	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Iowa	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Iowa	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Kan	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Ky	R O Whitesell & Associates	6620 E. Washington St, Indianapolis 19, Ind	FL9-5374
La	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Me	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Md	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Mass	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Mich	J. Pence Co	16666 James Couzens Hwy, Detroit 21, Mich	UN2-2571
Minn	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Miss	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Mo	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Mont	Paramount Technical Agencies	9210 28th St, N.W., Seattle 7, Wash	SU4-6447
Neb	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
Nev	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
NH	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NJ	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NM	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
NY	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NC	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ohio	R O Whitesell & Associates	6620 E. Washington St, Indianapolis 19, Ind	FL9-5374
Ore	Paramount Technical Agencies	9210 28th St, N.W., Seattle 7, Wash	SU4-6447
Pa	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
RI	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
SC	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Tenn	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Vt	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Va	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Wash	Paramount Technical Agencies	9210 28th St, N.W., Seattle 7, Wash	SU4-6447
Wisc	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill	OR5-6700
Canada	John S Plewes Co	52 Humbererest Blvd, Toronto, Ont, Can	RO9-2051
Foreign	Frathom Co., Inc	33 W. 42nd St, New York 3, NY	BR9-9422
	PENTRON CORP	**777 S. Tripp Ave, Chicago 24, Ill**	**SA2-3201**
Ala	F F Duggan & Associates	3120 Maple Dr, N.W., Atlanta, Ga	CE7-7964
Alaska	Jackson-Stevens	1141 S. LaCienega Blvd, L A, Cal	OL5-8920
Ariz	Jackson-Stevens	1141 S. LaCienega Boyd, L A, Cal	OL5-8920
Ark	George E Anderson Co	1901 Griffin St, Dallas 2, Tex	RI1-5931
Cal	Jackson-Stevens	1141 S. LaCienega Blvd, L A, Cal	OL5-8920
Colo	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Conn	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
Del	C W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
DC	C W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ga	F F Duggan & Associates	3120 Maple Dr, N.E., Atlanta, Ga	PA5-8588
Hawaii	Jackson-Stevens	1141 S. LaCienega Blvd, L A, Cal	OL5-8920
Idaho	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Ind	Charles Scheffler Co.	1133 Navajo Trail RR14, Indpls, Ind	CL3-6337
Iowa	T H Ellis & Co	2201 Grand Ave, Kansas City, Mo	BA1-0260
Kan	T H Ellis & Co	2201 Grand Ave, Kansas City, Mo	BA1-0260
Ky	Charles Scheffler Co	1133 Navajo Trail RR 14, Indpls, Ind	CL3-6337
La	George E Anderson Co	1901 Grifford St, Dallas, Tex	RI1-5931
Me	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
Md	C W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
Mich	Robert-Milsk Co	19371 James Couzens Hwy, Detroit 35	BR3-3652
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Miss	George E Anderson Co	1901 Griffin St, Dallas, Tex	RI1-5931
Mo	T H Ellis & Co	2201 Grand Ave, Kansas City, Mo	BA1-0260
Mont	Jackson-Stevens	1141 S. Lacienega Blvd, L A 35, Cal	OL5-8920
Neb	T H Ellis & Co	2201 Grand Ave, Kansas City, Mo	BA1-0260
Nev	Jackson-Stevens	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
NH	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
NJ	Stang Sales Corp	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NM	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
NY	Stang Sales Corp	271 Columbus Ave, Tuckanoe, NY	SP9-6868
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo, NY	DE0442
NC	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA5-8588
ND	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Okla	George E Anderson Co	1901 Griffin St, Dallas, Tex	RI1-5931
Ore	Jackson-Stevens	1141 S. LaCienega Blvd, L A, Cal	OL5-8920
Pa	C W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
RI	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
SC	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA5-8588
SD	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Tenn	George E Anderson	1901 Griffin St, Dallas, Tex	RI1-5931
Tex	George E Anderson Co	1901 Griffin St, Dallas, Tex	RI1-5931
Utah	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Vt	Robert Smith	59 Verndale, Brookline, Mass	AS7-0017
Va	C W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Jackson-Stevens	1141 S. LaCienega Blvd, L A, Cal	OL5-8920
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Wyo	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
	PERENY EQUIPMENT CO., INC	**891 Chambers Rd, Columbus, Ohio**	**AX4-3577**
Ariz	Carl Herrmann Associates	551 E. Walnut, Pasadena, Cal	MU1-5111
Cal	Carl Herrmann Associates	Box 1179, Palo Alto, Cal	DA3-2793
Cal	Carl Herrmann Associates	551 E. Walnut, Pasadena, Cal	MU1-5111
Conn	A Perry Roberts	Woolworth Bldg, New York 7, NY	BA7-1245
Del	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
DC	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Fla	Linder Industrial Engineering Co	Box 2037, Lakeland, Fla	MU6-5135
Ga	Taylor Industrial Equipment	Arnot Bldg, Jacksonville Beach, Fla	CH9-2417
Ill	Sherertz-Henderson Co	5707 W. Lake St, Chicago 44, Ill	CO1-1032
Ind	T E Olson Co	16211 Locherbie, Birmingham, Mich	MI6-5956
Ky	Crandall Co	49 Park Ave, Dayton 9, Ohio	AX3-3159
Md	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Mass	Forbes Engineering	19 Flint St, Salem, Mass	PI4-1693
Mich	T E Olson Co	16211 Locherbie, Birmingham, Mich	MI6-5956
NM	Carl Herrmann Associates	319-2A San Francisco St, Santa Fe, NM	YU2-2881
NY	A Perry Roberts	Woolworth Bldg, New York 7, NY	BA7-1245
NY	Clair W Rew	121 Wheeler St, Tonawanda, NY	JA-3029
NC	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Ohio	Noble Equipment Co	Box 67, LaGrange, Ohio	GL8-4651
Ohio	Crandall Co	49 Park Ave, Dayton 9, Ohio	AX3-3159
Ohio	T E Olson Co	16211 Locherbie, Birmingham, Mich	MI6-5956
Ore	Neil Winikoff Co	2700 Beacon St, Seattle 44, Wash	EA5-6262
Pa	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Pa	Continental Sales & Engineering Co	Box 10505, Pittsburgh 35, Pa	CH1-5660
SC	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Va	George Vaux	320 Caversham Rd, Bryn Mawr, Pa	LA5-4517
Wash	Neil Winikoff Co	2700 Beacon Ave, Seattle 44, Wash	EA5-6262
	PERFORMANCE MEASUREMENTS CO	**15120 Third Ave, Detroit 3, Mich**	
Ariz	Randolph Engineering Co	1029 N. First, Phoenix, Ariz	
Ark	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	
Cal	Randolph Engineering Co	12202 E. Garvey Ave, El Monte, Cal	
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	
Conn	Yewell Associates Inc	1101 E. Main, Bridgeport, Conn	
Del	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore 15, Md	
DC	Horman Associates Inc	941 Rollins, Rockville, Md	
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	
Ind	Pivan Engineering Co	6055 N. College Ave; Indianapolis 20, Ind	
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	
Kan	Harris-Hanson Co	7916 Paseo Blvd, Kansas City 30, Mo	
La	Earl Lipscomb Associates	3825 Richmond Ave, Houston 5, Tex	
Me	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	
Md	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore 15	
Mass	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	
Mo	Harris-Hanson Co	2814 Brentwood, St. Louis 17, Mo	
Nev	Randolph Engineering Co.	1029 N. First, Phoenix, Ariz	
NH	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	
NM	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	
Ohio	S Sterling Co	5827 Mayfield, Cleveland 24, Ohio	
Okla	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	
RI	Yewell Associates	1101 E. Main, Bridgeport 8, Conn	
Tex	Earl Lipscomb Associates	P.O. Box 7084, Dallas 9, Tex	
Utah	Lahana & Co	1332 Varden Way, W., Salt Lake City	
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	
	PERKIN-ELMER CORP	**Main Ave, Norwalk, Conn**	**VI7-0411**
Ala	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Ariz	Perkin Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Ark	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Cal	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Colo	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Del	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
DC	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
Fla	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Ga	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Hawaii	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Idaho	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Ill	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago 1, Ill	ST2-5299
Ind	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago 1, Ill	ST2-5299
Iowa	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago 1, Ill	ST2-5299
Kan	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago 1, Ill	ST2-5299
Ky	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago 1, Ill	ST2-5299
La	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Md	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
Mich	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Minn	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Miss	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Mo	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Mont	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Neb	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Nev	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
NH	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
NC	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
ND	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Ohio	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Okla	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Ore	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Pa	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
SC	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
SD	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Tenn	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU-0-8723
Tex	Perkin-Elmer Corp	1040 St. Charles Ave, New Orleans, La	TU0-8723
Utah	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Va	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
Wash	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
W. Va	Perkin-Elmer Corp	8055 13th St, Silver Spring, Md	JU8-9111
Wisc	Perkin-Elmer Corp	230 N. Michigan Ave, Chicago, Ill	ST2-5299
Wyo	Perkin-Elmer Corp	348 W. Foothill Blvd, Monrovia, Cal	EL9-2549
Canada	Perkin-Elmer (Canada) Ltd	2360 Lucerne Rd, Mt. Royal, Mon, P Q	RI7-3518
	PERKIN ENGINEERING CORP	**345 Kansas St, El Segundo, Cal**	**ORB-7215**
Ala	E G Holmes & Associates	309 Pharr Rd, N.E., Atlanta, Ga	CE7-7801
Ariz	Brooks Feeger Associates	1122C San Mateo, S.E., Albuquerque, NM	AM8-1724
Ark	Wallace Gluck Co	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Cal	Instruments For Measurement	3455 Cahuenga Blvd, Hollywood, Cal	HO9-7294
Cal	Cerruti & Associates	841 Woodside, Redwood City, Cal	EM9-3354
Colo	Brooks-Feeger Associates	122C San Mateo, S.E., Albuquerque, NM	AM8-1724
Conn	Richard Frink	46 Amesbury, Lawrence, Mass	MU3-3252
Del	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	309 Pharr Rd, N.E., Atlanta, Ga	CE7-7801
Idaho	Tesico	Boeing Field, Seattle, Wash	PA3-9000
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ill	Design & Sales Engineering Co	5420 Tracy, Kansas City 10, Mo	JA3-8168
Ind	Law Instrument Co	P.O. Box 27062, Indianapolis, Ind	ST7-0009
Iowa	Design & Sales Engineering Co	5420 Tracy, Kansas City 10, Mo	JA3-8168
Kan	Design & Sales Engineering Co	5420 Tracy, Kansas City 10, Mo	JA3-8168
La	Wallace-Gluck Co	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Me	Richard Frink	46 Amesbury, Lawrence, Mass	MU3-3252

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	Richard Frink	46 Amesbury, Lawrence, Mass	MU3-3252
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	E G Holmes & Associates	309 Pharr Rd, N.E., Atlanta, Ga	CE7-7801
Mo	Design & Sales Engineering Co	5420 Tracy, Kansas City 10, Mo	JA3-8168
Nev	Brooks-Feeger Associates	1122 C San Mateo, S.E., Albuquerque, NM	AM8-1724
NH	Dick Frink	46 Amesbury, Lawrence, Mass	MU3-3252
NJ	Dick Frink	46 Amesbury, Lawrence, Mass	MU3-3252
NM	Brook-Feeger Associates	1122 C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	DI4-2997
NY	O B Associates	P.O. Box 284, Dewitt, NY	GI6-0220
NC	E G Holmes & Associates	309 Pharr Rd, N.E., Atlanta, Ga	CE7-7801
Ohio	Electro Sales Associates	Dabel Sta, Box 143, Dayton 20, Ohio	CH4-5551
Okla	Wallace-Gluck Co	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Ore	Testco	Boeing Field, Seattle, Wash	PA3-9000
Pa	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
Pa	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-2461
RI	Dick Frink	46 Amesbury, Lawrence, Mass	MU3-3252
SC	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Tenn	E G Holmes & Associates	309 Pharr Rd, N.E., Atlanta, Ga	CE7-7801
Tex	Wallace-Gluck Co	P.O. Box 13203, Dallas 20, Tex	FL7-7080
Vt	Dick Frink	46 Amesbury, Lawrence, Mass	MU3-3252
Wash	Testco	Boeing Field, Seattle, Wash	PA3-9000
Canada	Electro Mechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011
	PERKINS MACHINE & GEAR CO	**West Springfield, Mass**	**RE7-4751**
	PERMACEL TAPE CORP	**US Hwy 1, New Brunswick, NJ**	**CH7-7900**
Cal	Permacel	3014 Lakeshore Ave, Oakland, Cal	GL2-4388
Cal	Permacel	4827 E. 49th St, Los Angeles 58, Cal	LU3-1041
Ga	Permacel	1080 Dill Ave, S.W., Atlanta, Ga	PL8-2651
Ill	Permacel	222 W. Adams St, Chicago 6, Ill.	CE6-3588
Mass	Permacel	344 Park Square Bldg, Boston 16, Mass	HU2-0898
Mo	Permacel	10 S. Brentwood Blvd, Clayton 5, Mo	PA7-0114
Ohio	Permacel	55 Public Square, Cleveland 13, Ohio	TO1-5871
Pa	Permacel	7 Wynnewood Rd, Wynnewood, Pa	TR8-5200
	PERMAG CORP	**88-06 Van Wyck Exp, Jamaica 18, NY**	**OL7-1818**
Cal	Permag Pacific Corp	2910 S. La Cienega Blvd, Culver City	WE6-6251
	PERMALI INC	**Box 718E, Mt. Pleasant, Pa**	**KI7-2353**
Ariz	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Cal	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
Cal	R S Hughes Co., Inc	564 College Ave, Palo Alto, Cal	DA6-2922
Colo	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	CH4-4267
Conn	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
Idaho	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	CH4-4267
Ill	Permali Inc	5306 W. Lawrence Ave, Chicago 30, Ill.	SP7-3508
Ind	Permali Inc	5306 W. Lawrence Ave, Chicago 30, Ill.	SP7-3508
Iowa	Permali Inc	5306 W. Lawrence Ave, Chicago 30, Ill.	SP7-3508
Kan	Permali Inc	5306 W. Lawrence Ave, Chicago 30, Ill.	SP7-3508
Me	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
Mass	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
Mich	Permali Inc	5306 W. Lawrence Ave, Chicago 30, Ill.	SP7-3508
Minn	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Mo	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Mont	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	CH4-4267
Neb	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Nev	R S Hughes Co., Inc	564 College Ave, Palo Alto, Cal	DA6-2922
NH	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
NM	R S Hughes Co., Inc	4515 Alger St, Los Angeles 39, Cal	CH5-6621
NY	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
ND	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Ohio	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Ore	R S Hughes Co., Inc	1107 Bailey St, Seattle, Wash	PA5-5750
RI	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
SD	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Utah	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	CH4-4267
Vt	Permali Inc	1547 Central Ave, Albany 5, NY	UN9-7003
Wash	R S Hughes Co., Inc	1107 Bailey St, Seattle, Wash	PA5-5750
Wisc	Permali Inc	5306 Lawrence Ave, Chicago 30, Ill	SP7-3508
Wyo	R S Hughes Co., Inc	2811 W. 9th Ave, Denver 4, Colo	CH4-4267
Canada	Permali (Canada) Ltd	137 Kipling Ave, S., Toronto 18, Ont, Can	BE3-2179
Foreign	Densified Woods Pty Ltd	Box 59, Spit Junction, N.S.W., Australia	XY-1225
Foreign	Permali Ltd	Bristol Rd, Gloucester, England	GL2-4941
Foreign	Permali S A	Case Postale 345, Nancy, France	NA53.43 23
	PERMALUSTER INC	**2014 W. Burbank, Burbank, Cal**	**VI9-4543**
Conn	Todino Engineering Sales Inc	Box 291, W. Hartford, Conn	AD2-9532
Ill	Walter F Marsh Associates	308 N. Scoville, Oak Park, Ill	EU6-1782
Ind	Walter F Marsh Associates	308 N. Scoville, Oak Park, Ill	EU6-1782
Iowa	Walter F Marsh Associates	308 N. Scoville, Oak Park, Ill	EU6-1782
Ky	C K M Industrial Sales	3038 Madison Rd, Cincinnati 9, Ohio	ME1-1193
Mass	Todino Engineering Sales Inc	Box 61, Needham 94, Mass	HI4-7925
Mich	Walter F Marsh Associates	308 N. Scoville, Oak Park, Ill	EU6-1782
NH	Todino Engineering Sales Inc	Box 61, Needham 94, Mass	HI4-7925
Ohio	C K M Industrial Sales	3038 Madison Rd, Cincinnati 9, Ohio	ME1-1193
W. Va	C K M Industrial Sales	3038 Madison Rd, Cincinnati 9, Ohio	ME1-1193
Wisc	Walter F Marsh Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-1782
	PERMA-POWER CO	**3100 N.Elston Ave, Chicago 18, Ill**	**KE9-7171**
Cal	Wes Alderson Co	3050 Overland Ave, Los Angeles, Cal	TE0-1030
Cal	E W Brandt Co	1122 Folsom St, San Francisco 3, Cal	HE1-0484
Colo	W B Gollher Co	1559 Chester St, Aurora, Colo	EM6-0208
Ill	William Linz & Associates	6322 N. Cicero Ave, Chicago 46, Ill	MJ5-2022
Ind	Hoemig Sales Co	3405 Butler Ct, Ft. Wayne 8, Ind	AN2083
Mass	Lawrence B Cole Co.	21 Radcliffe Rd, Weston, Mass	CE5-3197
Mich	Paul Kurtz Co	17181 Appoline Ave, Detroit 35, Mich	UN4-8957
Minn	William Engelbretson Co	906 Ottawa Ave, St. Paul 7, Minn.	CA2-2338
Mo	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
NJ	Boenecke Associates	5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NJ	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	HA9-4095
NY	Kaelber & Mack	1 Park Ave, Manhassat 11, NY	MA7-6620
NY	Leroy & McGuire Inc	RD 1, Phelps, NY	KI8-4891
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ohio	J W Lehner Co	367 Brynhild Ave, Columbus 2, Ohio	AM8-5260
Tex	Beethold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Foreign	Comet Corp	540 Lake Shore Dr, Chicago, Ill	DE7-2292
	PERMO INC	**6415 Ravenswood Ave, Chicago 26, Ill**	**BR4-0075**
	PERMOFLUX PRODUCTS CO	**4101 San Fernando Rd, Glendale, Cal**	**CH5-5135**
Colo	Vines & Co	P.O. Box 1025, Denver, Colo	TA5-4471
Fla	Geo F Bohman	1239 Newcastle Dr, Orlando	GA4-2076
Mass	R L Provencher	225 M St, Warchester 8, Mass	PL3-8187
Mich	Burcaw Cowan & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
NY	Irv Morse Sales	150 Broadway, New York City, NY	
Tenn	Roy L Smith	2324 Crestmore Rd, Nashville	AM9-0413
	PERMONITE MFG CO	**910 W.Jackson Blvd, Chicago 7, Ill**	**SE8-2220**
Ala	Repco Sales Co	401 N.W. 71st St, Miami, Fla	PL7-2911
Cal	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800
Cal	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	JE4-1290
Conn	Hazen P Chase	41 Hampton Knolls Rd, Holyoke, Mass	JE3-0168
Del	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Fla	Repco Sales Co	401 N.W. 71st St, Miami, Fla	PL7-2911
Ga	Repco Sales Co	401 N.W. 71st St, Miami, Fla	PL7-2911
Ind	Frank Butlers	1112 S. Harrison St, Ft. Wayne, Ind	EA7864
Ind	Insulating Components Co	1250 Stadium Dr, Indianapolis, Ind	ME4-8443
Ind	Noah S Tilman	4028 Meda Pass, Ft. Wayne, Ind	HA8525
Ky	Insulating Components Co	1250 Stadium Dr, Indianapolis, Ind	ME4-8443
Md	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Mass	Hazen P Chase	41 Hampton Knolls Rd, Holyoke, Mass	JE3-0168
Mich	R S Lohmann Co	12730 Fenkell St, Detroit, Mich	[illegible]
Nev	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	JE4-1290
NJ	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
NJ	Al Colman	164 Delmar Ave, Glen Rock, NJ	[illegible]5-6152
NJ	Mac R Perlman	4 Batesway, Westfield, NJ	AD2-2332
NM	Industrias Comerciales, S A	Tonala 143, Mexico 7, D F	[illegible]
NY	Alan Denburg	1312 Ditmas Ave, Brooklyn, NY	[illegible]
NY	Mac R Perlman	4 Batesway, Westfield, NJ	AD2-2332
NY	Gislason Sales Inc	617 Case Bldg, Rochester, NY	[illegible]
Ohio	H W Whitby Co	1051 Salem Ave, Dayton, Ohio	[illegible]
Pa	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
RI	Hazen P Chase	41 Hampton Knolls Rd, Holyoke, Mass	JE3-0168
Tenn	Repco Sales Co	401 N.W. 71st St, Miami, Fla	PL7-2911
Vt	Hazen P Chase	41 Hampton Knolls Rd, Holyoke, Mass	JE3-0168
Va	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
W. Va	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Canada	The Glendon Co Ltd	603 Evans Ave, Toronto, Ontario, Canada	RO6-8121
	PERMUTIT CO DIV OF PFAUDLER PERMUTIT INC	**50 W. 44th St, New York 36, NY**	**OX7-6600**
Ala	Permutit Co	848 McCallie St, Chattanooga 3, Tenn	AM6-4544
Ariz	Permutit Co	3028 S. Brand Blvd, Glendale 4, Cal	CH5-2695
Ark	Permutit Co	818 Olive St, St. Louis 1, Mo	MA1-4770
Cal	Permutit Co	3028 S. Brand Blvd, Glendale 4, Cal	CH5-2695
Colo	Permutit Co	1485 Holland St, Denver 15, Colo	BE7-2866
Conn	Permutit Co	29 Fairfield St, Pittsfield, Mass	HI3-6624
Del	Permutit Co	101 N. 33rd St, Philadelphia 4, Pa.	BA2-1600
DC	Permutit Co	8605 Cameron St, Silver Spring, Md	JU9-3731
Fla	Permutit Co	704 Gilmore St, Jacksonville 4, Fla	EL3-3725
Ga	Permutit Co	3131 Maple Dr, N.E., Atlanta 5, Ga	CE7-3321
Idaho	Bumstead-Woolford Co	1411 Fourth Ave Bldg, Seattle 1, Wash	MA3-4915
Ill	Permutit Co	111 W. Washington St, Chicago 2, Ill.	ST2-2298
Ind	Permutit Co	2320 Victory Pkwy, Cincinnati 6, Ohio	AV1-6052
Iowa	Permutit Co	2201 Grand Ave, Kansas City 8, Mo	GR1-5123
Kan	Permutit Co	2201 Grand Ave, Kansas City 8, Mo	GR1-5123
Ky	Permutit Co	848 McCallie St, Chattanooga 3, Tenn	AM6-4544
La	Permutit Co	4543 North Blvd, Baton Rouge 6, La	[illegible]
Me	Permutit Co	50 Kearney Rd, Needham Heights 94, Mass	HI4-0052
Md	Permutit Co	8605 Cameron St, Silver Spring, Md	JU9-3731
Mass	Permutit Co	50 Kearney Rd, Needham Heights 94, Mass	HI4-0052
Mich	Permutit Co	2111 Woodward Ave, Detroit 1, Mich	WO2-2689
Minn	Permutit Co	3990 Ala Ave, St. Louis Park, Minnpls 16,	WE9-1649
Miss	Permutit Co	848 McCallie St, Chattanooga 3, Tenn	AM6-4544
Mo	Permutit Co	818 Olive St, St. Louis 1, Mo	MA1-4770
Mont	Permutit Co	3990 Ala Ave, St. Louis Park, Minnpls 16,	WE9-1649
Neb	Permutit Co	2201 Grand Ave, Kansas City 8, Mo	GR1-5123
Nev	Permutit Co	1485 Holland St, Denver 15, Colo	BE7-2866
NH	Permutit Co	29 Fairfield St, Pittsfield, Mass.	HI3-6624
NJ	Permutit Co	10 Wilsey Square, Ridgewood, NJ	GI5-2030
NM	Permutit Co	3028 S. Brand Blvd, Glendale 4, Cal.	CH5-2695
NY	Permutit Co	P.O. Box 11, Rochester 1, NY	[illegible]6-2553
NC	Permutit Co	431 1/2 Walker Ave, Greensboro, NC	BR4-4843
ND	Permutit Co	3990 Ala Ave, St. Louis Park, Minn 16,	WE9-1649
Ohio	Permutit Co	1836 Euclid Ave, Cleveland 15, Ohio	MA1-2578
Ohio	Permutit Co	2320 Victory Pkwy, Cincinnati 6, Ohio	AV1-6052
Okla	Permutit Co	2201 Grand Ave, Kansas City 8, Mo.	GR1-5123
Ore	Bumstead-Woolford Co	421 S.W. Sixth Ave, Portland 4, Ore	CA8-6686
Pa	Permutit Co	101 N. 33rd St, Philadelphia 4, Pa	BA2-1600
Pa	Permutit Co	708 Empire Bldg, Pittsburgh 22, Pa	GR1-1747
RI	Permutit Co	29 Fairfield St, Pittsfield, Mass	HI3-6624
SC	Permutit Co	3131 Maple Dr, N.E., Atlanta 5, Ga	CE7-3321
SD	Permutit Co	3990 Ala Ave, St. Louis Park, Minnpls 16,	WE9-1649
Tenn	Permutit Co	848 McCallie St, Chattanooga 3, Tenn	AM6-4544
Tex	Permutit Co	4101 San Jacinto St, Houston 4, Tex	JA3-1498
Utah	Permutit Co	1485 Holland St, Denver 15, Colo	BE7-2866
Vt	Permutit Co	29 Fairfield St, Pittsfield, Mass	HI3-6624
Va	Permutit Co	8605 Cameron St, Silver Springs, Md	JU9-3731
Wash	Bumstead-Woolford Co	1411 Fourth Ave Building, Seattle 1,	MA3-4915
W. Va	Permutit Co	708 Empire Building, Pittsburgh 22, Pa	GR1-1747
Wisc	Permutit Co	4003 W. Capitol Dr, Milwaukee 16, Wisc	LP1-6900
Wyo	Permutit Co	1485 Holland St, Denver 15, Colo	BE7-2866
	PESCHEL ELECTRONICS INC	**Rt 216, Towners, Patterson, NY**	**TR8-3251**
Cal	Abbott Instrument & Engineering Co	10513 Santa Monica Blvd, L A 24, Cal	BR2-7166
Conn	Ray Perron & Co., Inc	36 Louis St, Trumbull, Conn	AM8-9631
Mass	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
	PESCO PRODUCTS DIV., BORG-WARNER CORP	**24700 N. Miles Rd, Bedford**	**Ohio** 00771
Cal	Pesco Western Branch	3310 Vandwen St, Burbank, Cal	TH9-7411
Cal	Pacific Airmotive	2940 N. Hollywood, Burbank, Cal	
DC	Pesco Sales	918 16th St, N.W., Washington, DC	NA8-1512
Kan	Pesco Wichita Sales	6631 E. Kellogg, Wichita, Kan	MU6-6609
Mass	W J Connell Co	210 Needham St, Boston, Mass	
Mich	General Aircraft Supply	Detroit Airport, Mich	
Minn	Minnesota Airmotive Inc.	Wold Chamberlain Field, Minneapolis,	
NJ	Holliday-Hathaway Inc	9 Lincoln Ave, Rutherford, NJ	
NY	Holliday-Hathaway Inc	P.O. Box 296, New Hartford, NY	
NY	Standard Aircraft Equipment Co	P.O. Box 271, Mineola, NY	
Tex	Southwest Airmotive Co	7515 Lemmon Ave, Dallas, Tex	
Canada	Canadian Pratt & Whitney Aircraft	P.O. Box 10, Montreal 23, Quebec, Canada	
Foreign	Borg-Warner International Corp	36 S. Wabash Ave, Chicago, Ill.	WA2-7700
	PETER PARTITION CORP	**124 Boerum Pl, Brooklyn 1, NY**	**TR5-4033**
	PETERSON RADIO CO., INC	**2800 W.Broadway, Council Bluffs, Iowa**	**2-2760**
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	ST8-1013
Colo	McLoud & Raymond Co.	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Fla	Floyd Fausett & Co	2727 Alamo Ave, Winter Park, Fla	MI7-4697
Ga	Floyd Fausett & Co	777 Pinehurst Terr, Atlanta, Ga	PL3-3104
Ill	Royal Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
Mass	Coakley Sales Office	148 Needham St, Newton Highlands, Mass	DE2-4800
Mo	[illegible]	17th & Main Sts, Kansas City 8, Mo	GR1355
NJ	[illegible] Schwartz	15 Exchange Pl, Jersey City 2, NJ	DE3-2424
Ohio	Leo Ambrow Co	3123 W. 117th St, Cleveland 11, Ohio	CL1-5700
Pa	Leo Ambrow Co	530 Sixth Ave, Pittsburgh, Pa	
Tex	M F Klicpera	Box 3113, Houston, Tex	JA2-8459
Wash	Marsh Agencies	2601 First Ave, Seattle, Wash	MA2-8751
Foreign	Royal National Corp	250 W. 57th St, New York 19, NY	PL7-0066
	PETTINOS GRAPHITE CORP, CHARLES	**1 E. 42 St, New York 17, NY**	**MU7-7337**
	PFANSTIEHL CHEMICAL CORP	**104 Lake View Ave, Waukegan, Ill**	**MA3-1360**
	PFISTER ALUMINUM CORP	**54 W. Allendale Ave, Allendale, NJ**	**OL2-5220**
Cal	[illegible]	17208 Woodcraft, Azusa	[illegible]
Conn	Richard W Nash	11 Raymond Ave, Darien, Conn	[illegible]
Fla	[illegible]	9520 S.W. 51st St, Miami, Fla	MO7-6215
Ill	[illegible]	590 Yorktown Rd, Chicago Heights	SK5-2340
NY	[illegible]	2511 Horace Ct, Bellmore, NY	CA1-3623
Ohio	J Ashton Graham	32 Owen Brown St, Hudson, Ohio	OL3-5606
	PHALO PLASTICS CORP	**530 Boston Tnpk, Shrewsbury, Mass**	**VI4-4021**
Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ariz	Shefler-Kahn	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Ark	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Cal	Lebel-Warren Associates	1485 Bayshore Blvd, San Franciso, Cal	JU6-7711
Cal	Bray & Carter	2232 W. 11th St, Los Angeles 6, Cal	DU9-3173
Conn	John Kaelber	11 Ridge Rd, Danbury, Conn	PI8-7677
Del	Paragon Sales	111 S. 22th St, Philadelphia 3, Pa	RI6-7060
Fla	Atcheson & Adams	Fern Park, Fla	MI4-2082
Ga	Atcheson & Adams	P.O. Box 4867, Atlanta, Ga	MA2-3546
Idaho	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Ill	A J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Ind	A J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Kan	Frank Hopper Sales Co	1135 Cheshire Ln, Webster Groves 19, Mo	WO1-8499
Ky	Geo L Herrick Co	15366 Lorain Ave, Cleveland 11, Ohio	WI1-4406
La	M F Klicpera Co	P.O. Box 3113, Houston 1, Tex	JA2-8459
Me	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Md	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Mass	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Mich	Howard Spenser Co	20144 Livernois, Detroit, Mich	UN3-5189
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Miss	M F Klicpera Co	P.O.Box 3113, Houston, Tex	JA2-8459
Mo	Frank Hopper Sales Co	1135 Cheshire Ln, Webster Groves 19, Mo	WO1-8499
Mont	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7617
Nev	Shefler-Kahn Co	P.O.Box 1587, Phoenix, Ariz	AL8-7893
NH	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
NJ	Kaelber & Mack	1 Park Ave, Mannasset, NY	MA7-6620
NM	Shefler-Kahn Co	P.O.Box 1587, Phoenix, Ariz	AL8-7893
NY	Gislason Sales Inc	82 St. Paul St, Rochester 4, NY	LO2-8323
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Ohio	Geo L Herrick Co	15326 Lorain Ave, Cleveland 11, Ohio	WI1-4406
Okla	M F Klicpera Co	P.O.Box 2094, Tulsa, Okla	
Ore	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Pa	Paragon Sales Co	111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Pa	Geo L Herrick Co	15326 Lorain Ave, Cleveland, Ohio	WI1-4406
RI	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
SC	Atcheson - Adams	601 N. Elm St, Greensboro, NC	BR2-6838
SD	R G Ragon	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Tenn	Atcheson & Adams	P.O.Box 157, Nashville, Tenn	TU3-2429
Tex	M F Klicpera Co	P.O.Box 3113, Houston 1, Tex	JA2-8459
Vt	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Wash	Dale G Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
W. Va	Geo L Herrick Co	15326 Lorain Ave, Cleveland, Ohio	WI1-4406
Wisc	A J Ellis Co	1607 Howard St, Chicago 26, Ill	AM2-2708
Canada	J B Smyth	380 Craig St, W., Montreal 1, Canada	MA5577

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	PHAOSTRON INSTRUMENT & ELECTRONIC CO	**151 Pasadena Ave, S. Pasadena, Cal**	**CL5-1471**
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Ark	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1769
Cal	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Cal	L A Nott Co	1061 Howard St, San Francisco, Cal	HE1-4738
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Fla	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
Ga	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	G McL Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Ill	R W Farris Co., Inc	486 W. 34th St, Kansas City 11, Mo	PL3-5350
Ind	Southern Sales Co	P.O. Box 105, Angola, Ind	777
Iowa	R W Farris Co., Inc	486 W. 34th St, Kansas City 11, Mo	PL3-5350
Ky	Southern Sales Co	P.O. Box 105, Angola, Ind	777
La	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1769
Me	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Md	J W Sheffer	4605 Old Frederick Rd, Baltimore 29, Md	WI5-4126
Mass	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR2-5390
Minn	Ray Ripley	7222 James Ave, N., Minneapolis 23,	UN6-8682
Miss	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
Mo	R W Farris Co., Inc	486 W. 34th St, Kansas City 11, Mo	PL3-5350
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	R W Farris Co., Inc	486 W. 34th St, Kansas City 11, Mo	PL3-5350
Nev	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
NH	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
NJ	Max Buxon	16-18 Mandon Pl, Fairlawn, NJ	SW7-9468
NJ	H G Richter Inc	467 Hillside Ave, Westfield, NJ	AD3-4615
NM	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
NY	H G Richter Inc	467 Hillside Ave, Westfield, NJ	AD3-4615
NY	E J Schomburg	830 Linden Ave, Rochester 10, NY	LU6-0725
NC	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
ND	Ray Ripley	7222 James Ave, N., Minneapolis 23, Minn	UN6-8682
Ohio	Allen Nace Co	7601 Parkview Rd, Breckenville, Ohio	JA6-4323
Ohio	Robt G Siff Associates	341 N. Robert Blvd, Dayton 2, Ohio	BA2-1254
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1769
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Allen Nace Co	7601 Parkview Rd, Breckenville, Ohio	JA6-4323
Pa	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
RI	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
SC	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
SD	Ray Ripley	7222 James Ave, N., Minneapolis 23, Minn	UN6-8682
Tenn	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas 6, Tex	EM1-1769
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Allen Nace Co	7601 Parkview Rd, Breckville, Ohio	JA6-4323
Wisc	G McL Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	Ad Auriema Inc	85 Broad St, New York, NY	BO9-7750
	PHELPS DODGE COPPER PRODUCTS CORP	**300 Park Ave, New York 22, NY**	**PL1-3200**
	PHELPS DODGE COPPER PRODUCTS CORP INCA MFG DIV	**4400 New Haven Ave, Ft. Wayne, Ind**	**EO511**
Cal	Phelps Dodge Copper Products Corp	6100 Garfield Ave, Los Angeles 22, Cal	RA3-1311
Ga	Phelps Dodge Copper Products Corp	903 Candler Bldg, Atlanta 3, Ga	MU8-2322
Ill	Phelps Dodge Copper Products Corp	100 W. Monroe St, Chicago 3, Ill	
Ind	Phelps Dodge Copper Products Corp	5 E. Market St, Indianapolis, Ind	
Mich	Phelps Dodge Copper Products Corp	1200 Michigan Mutual Bldg, Detroit 26,	WO1-4090
Minn	Phelps Dodge Copper Products Corp	5009-A Excelsior Blvd, Minneapolis	WA6-2795
Mo	Phelps Dodge Copper Products Corp	1221 Locust St, St Louis 3, Mo	CH1-4110
Mo	Phelps Dodge Copper Products Corp	406 W. 34th St, Kansas City 11, Mo	VA1-1265
NJ	Phelps Dodge Copper Products Corp	865 W. Grand St, Elizabeth, NJ	
NY	Phelps Dodge Copper Products Corp	75 College Ave, Rochester 7, NY	GR3-9230
Ohio	Phelps Dodge Copper Products Corp	1500 Terminal Tower Bldg, Cleveland	PR1-2666
Ohio	Phelps Dodge Copper Products Corp	1341-43 Third National Bldg, Dayton 2	BA2-5003
Pa	Phelps Dodge Copper Products Corp	1522-23 Oliver Bldg, Pittsburgh 22, Pa	EX1-1550
Pa	Phelps Dodge Copper Products Corp	3105 W. Allegheny Ave, Philadelphia, Pa	
Tenn	Phelps Dodge Copper Products Corp	903 Union Planters Nat'l Bank, Memphis	JA5-7726
Tex	Phelps Dodge Copper Products Corp	2922 Canal St, Houston 3, Tex	CA2-9664
Tex	Phelps Dodge Copper Products Corp	3113 McKinney Ave, Dallas 4, Tex	RI7-7089
Wisc	Phelps Dodge Copper Products Corp	711 W. Capitol Dr, Milwaukee 6, Wisc	BR1-1232
	PHEOLL MFG CO., INC	**5700 W.Roosevelt Rd, Chicago 50, Ill**	**CO1-0300**
Ala	Gordon W Miller	P.O. Box 7681, Birmingham 13, Ala	TR9-9045
Cal	William T Tucker	P.O. Box 565, Harbor City, Cal	AD4-4848
Cal	Frederick P Teall	725 Second St, San Francisco 7, Cal	YU6-6842
Colo	Henry Hansen	1863 Wazee St, Denver 2, Colo	KE4-4453
Conn	General Mfg Co	66 N. Elm St, Waterbury, Conn	PL6-7806
Ga	Price Horton Co	P.O. Box 125, Atlanta 3, Ga	JA4-2695
Ind	George Cahill	9128 N. College Ave, Indianapolis 20	VI6-2298
Ind	Lawrence Luft	941 S. Esther Ave, South Bend 15, Ind	AT8-7401
Iowa	Ernest H Porter	829 S. Oakwood Ave, Geneseo, Ill	GE3770
Ky	Glenn L Shinkle	54 Winifrede Ln, Louisville 6, Ky	TW5-7346
Mich	Pheoll Mfg Co., Inc	10715 Puritan Ave, Detroit 38, Mich	UN1-6902
Minn	Pheoll Of Minnesota	1313 Chestnut Ave, N., Minneapolis 3	GE4368
Mo	Thomas S Graham	12411 Ballas Meadows, St Louis 22, Mo	YO5-6273
NJ	Noble Davis	818 River Rd, Chatham, NJ	ME5-8106
NC	Harold L Tester	P.O. Box 374, Charlotte, NC	RE5-8466
Ohio	Kirk C Luther	612 Fuhrer Ave, Lexington, Ohio	SK5-9283
Pa	John M Keeble	9049 Wesleyan Rd, Philadelphia 36, Pa	OR3-2349
Tenn	Charles R Williams	P.O. Box 132, Nashville 2, Tenn	AM9-0079
Tex	R B Wilber Co	106 Express St, Dallas 7, Tex	RI8-6145
Wash	Donald A Olson	420 E. 45th St, Seattle 5, Wash	ME3-4133
Wisc	Stan Hess	691 Kenilworth, Glen Ellyn, Ill	GL4243
Canada	Tote Equipment Co	5302 Dundas St, W., Islington, Toronto	BE2-2461
	PHILADELPHIA INSULATED WIRE CO	**333 New Albany Rd, Moorestown, NJ**	**BE5-6700**
Ala	Stanley K Wallace Associates Inc	P. O. Box 67, Lutz, Fla	WE9-3241
Ariz	Phila Insulated Wire Co	2734 Industrial Way, Santa Maria, Cal	
Cal	Phila Insulated Wire Co	2734 Industrial Way, Santa Maria, Cal	
Colo	Phila Insulated Wire Co	2734 Industrial Way, Santa Maria, Cal	
Conn	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-2664
Fla	Stanley K Wallace Associates Inc	P. O. Box 67, Lutz, Fla	WE9-3241
Ga	Stanley K Wallace Associates Inc	P. O. Box 67, Lutz, Fla	WE9-3241
Ill	Willard Spenser Co	20144 Livernois, Detroit, Mich	UN3-5189
Ind	Willard Spenser Co	20144 Livernois, Detroit, Mich	UN3-5189
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	GL4-7739
Mich	Willard Spenser Co	20144 Livernois, Detroit, Mich	UN3-5189
Minn	Benjamen E Swenson	1538 Nicollet Ave, Minneapolis 3, Minn	FE5-2455
Miss	Stanley K Wallace Associates	Lutz, Fla	WE9-3241
NH	Sales Engineering Co	89 High St, Chelmsford, Mass	GL4-7739
NJ	Wm Gorman Co	Box 206, Livingston, NJ	IN3-5000
NY	Wm Gorman Co	Box 206, Livingston, NJ	IN3-5000
Ohio	Willard Spenser Co	20144 Livernois, Detroit, Mich	UN3-5189
RI	Sales Engineering Co	89 High St, Chelmsford, Mass	GL4-7739
SC	Stanley K Wallace Associates	Lutz, Fla	WE9-3241
Vt	Sales Engineering Co	89 High St, Chelmsford, Mass	GL4-7739
	PHILADELPHIA QUARTZ CO	**1146K Public Ledger Bldg, Phila 6, Pa**	**MA7-7200**
Ill	Philadelphia Quartz Co	205 W. Wacker Dr, Chicago, Ill	
	PHILADELPHIA SCIENTIFIC GLASS CO	**Quakertown, Pa**	
Pa	Howard C Buerger Sales Co	Rices Mill Rd, Abington, Pa	
	PHILAMON LABORATORIES INC	**90 Hopper St, Westbury, NY**	**ED3-1700**
Ariz	Westron Sales & Engineering Co	7407 Melrose Ave, Los Angeles, Cal	WE3-7276
Cal	Westron Sales & Engineering Co	7407 Melrose Ave, Los Angeles, Cal	WE3-7276
NY	The Jack Miller Co	1 Continental Ave, Forest Hills 75, NY	BO3-4446
Foreign	B Freudenberg Inc	50 Rockefeller Plaza, New York 20, NY	PL7-9130
	PHILBRICK RESEARCHES INC., GEORGE A	**127 Clarendon St, Boston 16, Mass**	**CO6-5375**
Ala	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Ariz	Technical Services Inc	3540 Wilshire Blvd, Los Angeles 5, Cal	DU5-1765
Ark	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas, Tex	LA6-7238
Cal	Tech-Ser Inc	3540 Wilshire Blvd, Los Angeles, Cal	DU5-1765
Cal	Tech-Ser Inc	1263 Rosecrans Blvd, San Diego 6, Cal	AC2-1121
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Conn	Crane & Egert	97 Reade St, New York 13, NY	WO4-0996
Conn	Instrument Dynamics	11 Albion St, Wakefield, Mass	CR6-5100
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River, City, Fla	AM7-0411
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Idaho	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Idaho	Stanley Enterprises	Boeing Field, Box 39, Seattle 8, Wash	PA3-3320
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ky	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
La	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas, Tex	LA6-7238
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Minn	Hugh Marsland Co	231 N. Edgewood Ave, Minneapolis 27	LI5-4481
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Mo	Hugh Marsland Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Mont	Stanley Enterprises	Boeing Field, Box 39, Seattle 8, Wash	PA3-3320
Neb	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Crane & Egert Corp	97 Reade St, New York 13, NY	WO4-0996
NM	Hytronic Measurements Inc	211 Sierra, S.E. Albuquerque, NM	AL5-0669
NY	Crane & Egert Corp	97 Reade St, New York 3, NY	WO4-0996
NY	D B Associates Inc	P.O. Box 284, DeWitt, NY	GI6-0220
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ohio	M P Odell Co	2676 Salem Ave, Dayton 6, Ohio	CR7-4441
Okla	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas, Tex	LA6-7328
Ore	Stanley Enterprises	Boeing Field, Box 39, Seattle 8, Wash	PA3-3320
Pa	Crane & Egert Corp	97 Reade St, New York 13, NY	WO4-0996
Pa	M P Odell Co	750 Penn Ave, Pittsburgh 21, Pa	FR1-1231
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Tenn	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Tex	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas, Tex	LA6-7238
Tex	Hytronic Measurements	211 Sierra, S.E., Albuquerque, NM	AL5-0669
Utah	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Stanley Enterprises	Boeing Field, Box 39, Seattle 8, Wash	PA3-3320
W. Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Wyo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Foreign	Terminal Radio International Ltd	240 W. 17th St, New York 11, NY	WO4-3311
	PHILCO CORP GOVERNMENT & INDUSTRIAL GROUP	**4700 Wissahickon Ave, Phila 44, Pa**	**VI3-4000**
Cal	Western Development Laboratories	3875 Fabian Way, Palo Alto, Cal	
Cal	Sierra Electronic Division	3885 Bohannon Dr, Menlo Park, Cal	
Cal	Computer Sales Offices	3875 Fabian Way, Palo Alto, Cal	
Cal	Computer Sales Offices	1435 S. Lacienega Blvd, Los Angeles, Cal	
Cal	Industrial Products Sales Offices	3875 Fabian Way, Palo Alto, Cal	
DC	Computer Sales Offices	1707 H St, N.W., Washington 6, DC	
Ga	Industrial Products Sales Offices	2010 Beacher Rd, Atlanta, Ga	
Ill	Industrial Products Sales Offices	4532 Madison St, Hillside, Ill	
Kan	Computer Sales Offices	1006 Grand Ave, Kansas, Mo	
Pa	Computer Division	3900 Welsh Rd, Willow Grove, Pa	
Tex	Industrial Products Sales Offices	Exchange Bank Bldg, Dallas, Tex	
	PHILCO CORP LANSDALE DIV	**Church Rd, Lansdale, Pa**	**UL5-4681**
Ala	Philco Corp	310 S. Bumby St, Orlando, Fla	
Ariz	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Ark	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Cal	Philco Corp	3875 Fabian Way, Bldg 58A, Palo Alto	DA6-4350
Cal	Philco Corp	1435 S. La Cienega Blvd, Los Angeles 35	OL5-7505
Cal	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Colo	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Conn	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
Del	Philco Corp	100 Old York Rd, Jenkintown, Pa	TU7-4244
DC	Philco Corp	310 S. Bumby St, Orlando, Fla	
Fla	Philco Corp	310 S. Bumby St, Orlando, Fla	
Ga	Philco Corp	310 S. Bumby St, Orlando, Fla	
Idaho	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
Ill	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Ind	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Iowa	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Kan	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Ky	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
La	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Me	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
Md	Philco Corp	1707 H St, N.W., Washington 6, DC	EX3-1500
Mass	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
Mich	Philco Corp	First & Ludlow Sts, Dayton 2, Ohio	BA4-6578
Minn	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Miss	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Mo	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Mo	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Mont	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
Neb	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Nev	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
NH	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
NJ	Philco Corp	209 Willis Ave, Mineola, NY	PI7-0545
NJ	Philco Corp	100 Old York Rd, Jenkintown, Pa	TU7-4244
NM	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
NY	Philco Corp	209 Willis Ave, Mineola, NY	PI7-0545
NY	Philco Corp	205 Harrison St, Syracuse, NY	HA2-1623
NC	Philco Corp	1707 H St, N.W., Washington 6, DC	EX3-1500
ND	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Ohio	Philco Corp	First & Ludlow Sts, Dayton 2, Ohio	BA4-6578
Okla	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Ore	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
Pa	Philco Corp	100 Old York Rd, Jenkintown, Pa	TU7-4244
RI	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
SC	Philco Corp	310 S. Bumby St, Orlando, Fla	
SD	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Tenn	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Tex	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Utah	Philco Corp	3045 Rosecrans St, San Diego 10, Cal	AC4-2151
Vt	Philco Corp	43 Bay State Rd, Boston, Mass	CO6-1008
Va	Philco Corp	1707 H St, N.W., Washington 6, DC	EX3-1500
Wash	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
W. Va	Philco Corp	1707 H St, N.W., Washington 6, DC	EX3-1500
Wisc	Philco Corp	1821 University Ave, St. Paul 4, Minn	MI5-2117
Wisc	Philco Corp	6957 W. North Ave, Oak Park, Ill	ES8-7270
Wyo	Philco Corp	3875 Fabian, Bldg 58A, Palo Alto, Cal	DA6-4350
Foreign	Philco International Corp	C & Tioga Sts, Philadelphia 34, Pa	NE4-5100
Canada	Philco Corp of Canada Ltd	Don Mills Rd, Don Mills, Ontario, Canada	HI4-2541
	PHILIPS ELECTRONIC INSTRUMENTS	**750 S.Fulton Ave, Mt. Vernon, NY**	**MO4-4500**
Ala	Philips Electronic Instruments	3120 Maple Dr, N.E., Atlanta 5, Ga	CE7-9452
Alaska	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
Ariz	Braun Chemical Co	2930 W. Osborn Rd, Phoenix, Ariz	AL8-1511
Ariz	Braun Chemical Co	P.O. Box 4396, Tucson, Ariz	MA4-1091
Ark	Industrial Controls Inc	4202 S. Owasso St, Tulsa 1, Okla	RI7-5881
Cal	Braun-Knecht Heimann Co	1400 Sixteenth St, San Francisco, Cal	HE1-8800
Cal	Braun Chemical Co	1363 S. Bonnie Beach Pl, L A 54, Cal	AN9-9311
Colo	Technical Equipment Corp	917 Acoma St, Denver 4, Colo	MA3-0258
Conn	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Del	Philips Electronic Instruments	1825 Grant Ave, Philadelphia, Pa	OR3-0900
DC	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Fla	Philips Electronic Instruments	3120 Maple Dr, N.E., Atlanta 5, Ga	CE7-9452
Ga	Philips Electronic Instruments	3120 Maple Dr, N.E., Atlanta 5, Ga	CE7-9452
Hawaii	Braun Knecht Heimann Co	1637 Kapiolani Blvd, Honolulu 14, Hawaii	
Idaho	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
Ill	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Ind	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Iowa	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Kan	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Kan	Industrial Controls Inc	4202 S. Owasso St, Tulsa 1, Okla	RI7-5881
Ky	Harshaw Chemical Co	1945 E. 97th St, Cleveland 6, Ohio	VU3-2424
La	Philips Electronic Instruments	3230 Mercer St, Houston 27, Tex	JA8-5933
Me	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Md	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Mass	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Mich	Harshaw Chemical Co	9240 Hubbell Ave, Detroit 28, Mich	RE1-9100
Minn	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Mo	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Mont	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
Neb	Technical Equipment Corp	917 Acoma St, Denver 4, Colo	MA3-0258
Neb	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Nev	Braun Chemical Co	1363 S. Bonnie Beach Pl, L A, Cal	AN9-9311
Nev	Braun Knecht Heimann Co	1400 16th St, San Francisco 19, Cal	HE1-8800
NH	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
NJ	Philips Electronic Instrument	1825 Grant Ave, Philadelphia 15, Pa	OR3-0900
NM	Technical Equipment Corp	917 Acoma St, Denver 4, Colo	MA3-0258
NY	Harshaw Chemical Co	260 Delaware Ave, Buffalo 2, NY	GA9200
NC	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
ND	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Ohio	Harshaw Chemical Co	1945 E. 97th St, Cleveland 6, Ohio	VU3-2424
Okla	Industrial Controls Inc	4202 S. Owasso St, Tulsa 1, Okla	RI7-5881

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ore	Scientific Supplies Co	3950 N.W. Yeon Ave, Portland 10, Ore	CA2-1721
Pa	Harshaw Scientific Div	1945 E. 97th St, Cleveland 6, Ohio	VU3-2424
Pa	Philips Electronic Instruments	1825 Grant Ave, Philadelphia 15, Pa	OR3-0900
Pa	Pitchford Scientific Instrument Corp	501 Castle Shannon Blvd, Pittsburgh 34,	LO3-2626
RI	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
SC	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
SD	Philips Electronic Instruments	5535 W. Montrose Ave, Chicago 41, Ill	AV2-1414
Tenn	Harshaw Chemical Co	1945 E. 97th St, Cleveland 6, Ohio	VU3-2424
Tex	Philips Electronic Instruments	3230 Mercer St, Houston 27, Tex	JA8-5933
Utah	Braun Knecht Heimann Co	1400 16th St, San Francisco 19, Cal	HE1-8800
Vt	Atlantex Corp	625 McGrath Hwy, Somerville, Mass	MO6-5100
Va	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Wash	Scientific Supplies Co	600 Spokane St, Seattle, Wash	MU2-3460
W. Va	Pitchford Scientific Instrument Corp	501 Castle Shannon Blvd, Pittsbgh, Pa	LO3-2626
W. Va	J J Maguire Co	742 Investment Bldg, Wash 5, DC	NA8-4247
Wisc	Larsen Industries Inc	5512 W. State St, Milwaukee 8, Wisc	SP1-3060
Wyo	Technical Equipment Corp	917 Acoma St, Denver 4, Colo	MA3-0258

PHILIPS' GLOEILAMPENFABRIEKEN, NV — Eindhoven, Netherlands

PHILLIPS CONTROL CORP	59 W. Washington St, Joliet, Ill	SA3-3431
Ala	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Ariz	Carl Hower	340 N. Marshall Ave, Scottsdale, Ariz	WH5-2471
Ark	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Cal	Phillips Control Corp	631 Wilshire Blvd, Santa Monica, Cal	EX3-8380
Cal	Long & Associates	505 Middlefield Rd, Redwood City, Cal	EM9-3324
Cal	William A Gibson	1304 Alexandra Dr, San Diego 7, Cal	
Colo	TMT Associates	Industrial Park, Boulder, Colo	HI2-3837
Conn	Phillips Control Corp	655 Madison Ave, New York 21, NY	MU5-9103
Del	L G White & Co., Inc	108 Forrest Ave, Narberth, Pa	MO4-6505
DC	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Benz Sales	P.O. Box 178, North Miami Beach 62,	FR4-1391
Idaho	Harry Levinson	1117 Second Ave, Seattle, Wash	MA5317
Ind	A E Williams	Route 1, Markle, Ind	SK8-5703
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids,	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita 18, Kan	WU3-3751
Ky	A E Williams Co	6330 Montgomery Rd, Cincinnati 13, Ohio	EL1-6132
La	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Me	Phillips Control Corp	13 Eaton Ct, Wellesley Hills, Mass	CE5-3334
Md	L G White & Co., Inc	212 Washington Ave, Towson 4, Md	VA3-8701
Mass	Phillips Control Corp	13 Eaton Ct, Wellesley Hills, Mass	CE5-3334
Mich	Servisales Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-0054
Minn	Engineering Products Associates	6338 Vincent Ave S., Minneapolis 23,	MI6-3443
Miss	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Mo	Engineering Services Co	4550 Main St, Kansas City 11, Mo	JE1-7765
Mont	TMT Associates	Industrial Park, Boulder, Colo	HI2-3837
Neb	Engineering Service Co	4550 Main St, Kansas City 11, Mo	JE1-7765
Nev	Phillips Control Corp	631 Wilshire Blvd, Santa Monica, Cal	EX3-8380
NH	Phillips Control Corp	13 Eaton Ct, Wellesley Hills, Mass	CE5-3334
NJ	Phillips Control Corp	655 Madison Ave, New York, NY	MU5-9103
NM	Ralph B Black	721 Loma Vista Dr, N.E., Albuquerque,	AL5-9625
NY	Phillips Control Corp	655 Madison Ave, New York, NY	MU5-9103
NY	Fowler Beach Corp	3700 East Ave, Rochester 18, NY	LU6-0468
NC	L G White & Co., Inc	2080 Beach St, Winston Salem, NC	PA5-3612
ND	Engineering Products Associates	6338 Vincent Ave, S., Minnpls 23, Minn	MI6-3443
Ohio	Servisales Co	12417 Cedar Rd, Cleveland 6, Ohio	ER1-0054
Okla	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Ore	Harry Levinson	1117 Second Ave, Seattle, Wash	MA5317
Pa	L G White & Co., Inc	108 Forrest Ave, Narberth, Pa	MO4-6505
RI	Phillips Control Corp	13 Eaton Ct, Wellesley Hills, Mass	CE5-3334
SC	L G White & Co., Inc	2080 Beach St, Winston Salem, NC	PA5-3612
SD	Engineering Products Associates	6338 Vincent Ave, S., Minnpls 23, Minn	MI6-3443
Tenn	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Tex	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Vt	Phillips Control Corp	13 Eaton Ct, Wellesley Hills, Mass	CE5-3334
Va	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
W.Va	L G White & Co., Inc	880 Bonifant St, Silver Spring, Md	JU5-3141
Wisc	Phillips Control Corp	59 W. Washington St, Joliet, Ill	SA3-3431
Wyo	TMT Associates	Industrial Park, Boulder, Colo	HI2-3837

PHILLIPS MFG CO	3406 W. Touhy Ave, Chicago 45, Ill	
PHILLIPS PROCESS CO., INC	192 Mill St, Rochester 14, NY	BA5-8201

PHILMORE MFG CO., INC	130-01 Jamaica Ave, Richmond Hill, NY	HI1-5000
Ala	A S Engelman Co	3205 Crump Ave, Memphis, Tenn	
Ariz	W B Golliher Co	1559 Chester St, Aurora, Colo	
Ark	Antle-Smith Sales	2721 Brookfield St, Dallas, Tex	
Cal	B L Cahn	420 Market St, San Francisco, Cal	
Cal	R E Osborne	1757 Garfield Ave, Los Angeles, Cal	
Colo	W B Golliher	1559 Chester St, Aurora, Colo	
Fla	Winfield Electronic Sales Co	666 N.E. 125th St, North Miami, Fla	
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Idaho	W B Golliher	1559 Chester St, Aurora, Colo	
Ill	Gary Granat	330 S. Franklin St, Chicago, Ill	
Ind	Gary Granat	330 S. Franklin St, Chicago, Il.	
Iowa	Gary Granat	330 S. Franklin St, Chicago, Ill	
Kan	Gary Granat	330 S. Franklin St, Chicago, Ill	
Ky	Gary Granat	330 S. Franklin St, Chicago, Ill	
La	Antle-Smith Sales	2721 Brookfield St, Dallas, Tex	
Mich	Gary Granat	330 S. Franklin St, Chicago, Ill	
Minn	Gary Granat	330 S. Franklin St, Chicago, Ill	
Miss	A S Engelman Co	3205 Crump Ave, Memphis, Tenn	
Mo	Gary Granat	330 S. Franklin St, Chicago, Ill	
Mont	W B Golliher	1559 Chester St, Aurora, Colo	
Neb	Gary Granat	330 S. Franklin St, Chicago, Ill	
Nev	B L Cahn	420 Market St, San Francisco, Cal	
NJ	Arthur M Harris Inc	42-34 195th St, Flushing, NY	
NM	W B Golliher	1559 Chester St, Aurora, Colo	
NY	Hess	6207 - 68th Ave, Ridgewood, NY	
NY	Arthur M Harris Inc	42-34 195th St, Flushing, NY	
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
ND	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	
Ohio	Gary Granat	330 S. Franklin St, Chicago, Ill	
Okla	Antle-Smith Sales	2721 Brookfield St, Dallas, Tex	
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	
Pa	Gary Granat	330 S. Franklin St, Chicago, Ill	
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
SD	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	
Tenn	A S Engelman Co	3205 Crump Ave, Memphis, Tenn	
Tex	Antle-Smith Sales	2721 Brookfield St, Dallas, Tex	
Utah	W B Golliher	1559 Chester St, Aurora, Colo	
Va	J C Merilan Co	1 Christopher St, New York, NY	
Wash	Fred H Haight Co	3212 E. Lake Ave, Seattle, Wash	
Wisc	Gary Granat	330 S. Franklin St, Chicago, Ill	
Foreign	Minthorne International Co., Inc	15 Moore St, New York, NY	

PHILSON MFG CO., INC	47 Bergen St, Brooklyn, NY	UL5-0136

PHOENIX PRECISION INSTRUMENT CO	3805 N. Fifth St, Philadelphia, Pa	BA8-7417

PHOTO COLOR PROCESS CO	400 W. Commercial, E. Rochester, NY	LU6-2120

PHOTOBELL CO., INC	43 Vesey St, New York 7, NY	WO2-6739
Ariz	Harry A Moore	P.O. Box 7245, Phoenix, Ariz	AM4-4622
Cal	John W Bell	601 S. Vermont Ave, Los Angeles 5, Cal	DU8-7104
Conn	John K MacLean Co	502 River Ave, Providence 8, RI	UN1-4125
Idaho	McMillan Electronics	10111 S.W. 62nd Ave, Portland, Ore	CH4-1311
Ill	Rockford Supply & Equipment Co	2514 Kulburn Ave, Rockford, Ill	RO4-4605
Ill	G F Engineering Co	8160 Stanford Ave, St Louis, Mo	PA5-5219
Mass	John K MacLean Co	502 River Ave, Providence 8, RI	UN1-4125
Mo	Rockford Supply & Equipment Co	2514 Kulburn Ave, Rockford, Ill	RO4-4605
Mont	McMillan Electronics	10111 S.W. 62nd Ave, Portland, Ore	CH4-1311
NM	Harry A Moore	P.O. Box 7245, Phoenix, Ariz	AM4-4622
NC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Ohio	Zenith Engineering Sales Co	2034 Mayview Ave, Cleveland, Ohio	ON1-1742
Ore	McMillan Electronics	10111 S.W. 62nd Ave, Portland, Ore	CH4-1311
RI	John K MacLean Co	502 River Ave, Providence 8, RI	UN1-4125
SC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Tex	Southwestern Controls Co	P.O. Box 13352, Houston, Tex	UN2-8874
Utah	Sherman Nabaum & Co	4777 S. 1300 East, Salt Lake City 17	CR7-0459
Va	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	BR4-3051
Wash	McMillan Electronics	10111 S.W. 62nd Ave, Portland, Ore	CH4-1311
Wisc	Rockford Supply & Equipment Co	2514 Kulburn Ave, Rockford, Ill	RO4-4605
Wyo	Sherman Nabaum & Co	4777 S. 1300 East, Salt Lake City 17, U	CR7-0459
Foreign	McMillan Electronics	10111 S.W. 62nd Ave, Portland, Ore	CH4-1311
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200

PHOTOCHRON RESEARCH INC	2 Howard St, New York, NY	CA6-7725
Foreign	Ideax Corp	150 Fifth Ave, New York, NY	OR5-4860

PHOTOCIRCUITS CORP	Glen Cove, NY	
Ala	William G Margot	2238 Duncan Dr, Largo, Fla	CL3-08581
Ariz	Terrey Associates	1429 N. 1st St, Phoenix, Ariz	AL2-4357
Ark	M F Klicpera	Box 3113, Houston 1, Tex	JA2-8459
Cal	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
Colo	Longstreet-Smith	1013 15th St, Denver 2, Colo	KE4-5091
Del	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
DC	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Fla	William G Margot	2238 Duncan Dr, Largo Fla	CL3-08581
Ga	William E Henry	P. O. Box 6073, Charlotte 7, NC	FR5-8959
Idaho	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
Ill	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Ind	Terrell L Vance	4128 Eckworth Dr, Bellbrook, Ohio	VI8-2205
Iowa	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Kan	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Ky	Terrell L Vance	4128 Eckworth Dr, Bellbrook, Ohio	VI8-2205
La	M F Klicpera	Box 3113, Houston 1, Tex	JA2-8459
Md	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Mich	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Minn	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Miss	M F Klicpera	Box 3113, Houston, Tex	JA5-4942
Mo	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Mont	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
Neb	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Nev	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
NJ	Philip L Ross	8 Oxridge Rd, Elmsford, NY	LY2-7932
NM	Longstreet-Smith	1013 15th St, Denver 2, Cal	KE4-5091
NC	W E Henry	P. O. Box 6073, Charlotte 7, NC	FR5-8959
Ohio	Terrell L Vance	4128 Eckworth Dr, Bellbrook, Ohio	VI8-2205
Okla	M F Klicpera	Box 3113, Houston 1, Tex	JA5-4942
Ore	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
Pa	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Pa	Philip L Ross	8 Oxridge Rd, Elmsford, NY	LY2-7932
SC	W E Henry	P. O. Box 6073, Charlotte 7, NC	FR5-8959
Tenn	W E Henry	P. O. Box 6073, Charlotte 7, NC	FR5-8959
Tex	M F Klicpera	Box 3113, Houston 1, Tex	JA5-4942
Utah	Longstreet-Smith	1013 15th St, Denver 2, Colo	KE4-5091
Utah	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
Va	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Wash	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079
W. Va	Frederick J Beste	17 Northampton Rd, Timonium, Md	VA3-8915
Wisc	Robert L Coryell	234 Hickory Rd, Lombard, Ill	MA7-6293
Wyo	Longstreet-Smith	1013 15th St, Denver 2, Colo	KE4-5091
Wyo	George Maisch	918 Fall Pl, Anaheim, Cal	PR4-5079

PHOTOCON RESEARCH PRODUCTS	421 N.Altadena Dr, Pasadena, Cal	SY2-4131
Cal	David G DeHaas Co	3651 Garrison St, San Diego, Cal	AC2-3275
Fla	Col-Ins-Co	64 E. Central Ave, Orlando, Fla	GA2-6197
Ga	Irving Forde	2354 Ewing Dr, Atlanta 19, Ga	ME6-6177
NJ	J W Dice Co	16 Highwood Ave, Englewood, NJ	LO9-0471
Canada	Toronto Type Foundry	120 Wellington St, Toronto, Ontario, Can	EM6-7991

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
PHOTOGRAPHIC INSTRUMENTATION DEVELOPMENT CO	19458 Ventura Blvd, Tarzana, Cal	DI5-5261

PHOTOMATION INC	96 S. Washington, Bergenfield, NJ	DU4-3411
Ala	Whitson Engineering Co	P.O. Box 13431, Dallas 20, Tex	FL1-4654
Ariz	Crown Berkley Engineering Inc	2439 Riverside Dr, Los Angeles 39, Cal	DU5-8284
Ark	Whitson Engineering Co	P.O. Box 13431, Dallas 20, Tex	FL1-4654
Cal	Stillson Associates	33 Meadow Park Ct, Orinda, Cal	CL4-3751
Cal	Crown Berkley	2439 Riverside Dr, Los Angeles 39, Cal	DU5-8284
Colo	Landes Zachary & Peterson Co	601 S. Jason St, Denver 28, Colo	
Conn	Energy Control Co., Inc	2 Linsley St, North Haven, Conn	CE9-2513
Del	William Hagan & Co	P.O. Box 134, Penndel, Pa	WI5-7126
DC	Meleney Engineering Co	704 17th St, N.W. Washington 6, DC	DI7-6329
Fla	J Neal & Co	3931 S.W. 5th Terrace, Miami, Fla	HI4-1118
Ga	J Neal & Co	3931 S.W. 5th Terrace, Miami, Fla	
Idaho	Sight & Sound	4325 S.W. 96th Ave, Beaverton, Ore	MI4-6416
Ill	Meters & Controls	444 N. Lasalle St, Chicago 10, Ill	WH4-1148
Ind	Henry J Morath Co	325 Bankers Trust Bldg, Indianapolis	ME5-4082
Iowa	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Kan	Economy Equipment Co	7341 Broadway, Kansas City, Mo	JA3-1010
Ky	Weber Charles	536 Eastern Pkwy, Louisville, Ky	
La	Emile C Deshautreaux Jr	P.O. Box 261, Kenner, La	KE4-4665
Me	Power Equipment Sales Inc	77 Summer St, Boston 10, Mass	HA6-0696
Md	William Hagan & Co	P.O. Box 134, Penndel, Pa	WI5-7126
Mass	Power Equipment Sales Inc	77 Summer St, Boston, Mass	HA6-0696
Mich	Ralph D Ernest Associates	12818 Puritan Bldg, Detroit 27, Mich	UN1-7311
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	Emile C Deshautreaux Jr	P.O. Box 261, Kenner, La	KE4-4665
Mo	Warren Bruce & Co	4903 Delmar Blvd, St. Louis 8, Mo	FO7-7003
Mont	Landes Zachary & Peterson Co	601 S. Jason St, Denver 28, Colo	
Neb	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Nev	Crown Berkley Engineering Co	2439 Riverside Dr, Los Angeles 39, Cal	DU5-8284
NH	Power Equipment Sales Inc	77 Summer St, Boston, Mass	HA6-0696
NJ	Energy Control Co., Inc	5 Beekman St, New York 38, NY	BA7-0457
NM	Whitson Engineering Co	P.O. Box 13431, Dallas 20, Tex	FL1-4654
NY	Energy Control Co., Inc	2 Linsley St, North Haven, Conn	CE9-2513
NC	Industrial & Textile Supply Co	1300 S. Mint St, Charlotte 1, NC	FR7-5431
ND	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Ohio	Chapman Engineering Sales	Blue Ash Center Bldg, Cincinnati 42, Ohio	
Ohio	Illes Power Control Co	22700 Shore Center Dr, Cleveland 23	EX6878
Ohio	Jno D Hiles Co., Inc	Plaza Bldg, Pittsburgh 19, Pa	AT1-0145
Okla	Whitson Engineering Co	P.O. Box 13431, Dallas 20, Tex	FL1-4654
Ore	Sight & Sound	4325 S.W. 96th Ave, Beaverton, Ore	MI4-6416
Ore	John Williams Co	766 Dexter Horton Bldg, Seattle 4, Wash	MA2-4363
Pa	William Hagan & Co	P.O. Box 134, Penndel, Pa	WI5-7126
Pa	Jno D Hiles Co., Inc	Plaza Bldg, Pittsburgh 19, Pa	AT1-0145
RI	Power Equipment Sales Inc	77 Summer St, Boston, Mass	HA6-0696
SC	Industrial & Textile Supply Co	1300 S. Mint St, Charlotte, NC	FR7-5431
SD	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	Lancarts	412 E. 5th Ave, Knoxville, Tenn	2-0153
Tex	Whitson Engineering Co	P.O. Box 13431, Dallas 20, Tex	FL1-4654
Utah	Landes Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	
Vt	Power Equipment Co	77 Summer St, Boston, Mass	HA6-0696
Va	Power Equipment Co	1309 W. Main St, Richmond, Va	RI6-2746
Wash	John Williams Co	766 Dex Horton Bldg, Seattle 4, Wash	MA2-4363
W. Va	Henry J Morath Co	325 Bankers Trust Bldg, Indianapolis, Ind	ME5-4082
Wisc	Geo H Fredricks & Co., Inc	4385 N. Green Bay Ave, Milwaukee 9	BR1-1770
Wyo	Landes Zachary & Peterson	601 S. Jason St, Denver 23, Colo	
Foreign	Regula A B	Sjomansvagen 30, Sodertalje, Sweden	

PHOTOSTAT CORP	1081 Jefferson, Rochester, NY	HI5-8100

PHOTOVOLT CORP	95 Madison Ave, New York 16, NY	MU6-3350

PHOTRON INSTRUMENT CO	6516 Detroit Ave, Cleveland 2, Ohio	
Ala	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Cal	Cerrutti & Associates	Box 21, Redwood City, Cal	EM9-3354
Conn	L R Provencher & Associates	525 Pleasant St, Worcester 2, Mass	PL3-8187
Fla	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ga	Col-ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ind	Bernard L Michaelson	315 N. Monroe St, Xenia, Ohio	DR2-5496
Ky	Bernard L Michaelson	315 N. Monroe St, Xenia, Ohio	DR2-5496
La	Ecklund Electronic Sales	Box 12151, Ft. Worth, Tex	PE8-9773
Me	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Mass	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Miss	Col-ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
NH	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
NJ	Jud Williams	50 Main St, Orange, NJ	OR2-5746
NY	Jud Williams	50 Main St, Orange, NJ	OR2-5746
NC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland, Ohio	FA1-4200
Ohio	Bernard L Michaelson	315 N. Monroe St. Xenia, Ohio	DR2-5496
Okla	Ecklund Electronic Sales	Box 12151, Ft. Worth, Tex	PE8-9773
RI	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
SC	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Tenn	Col-Ins-Co	5728 Precision Dr, Orlando, Fla	CH1-1501
Tex	Ecklund Electronic Sales	Box 12151, Ft. Worth, Tex	PE8-9773
Vt	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Canada	AX3-7011

PHYSICS RESEARCH LABS INC	P. O. Box 555, Hempstead, NY	IV3-8299
Cal	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	
Conn	Addelco Corp	1826 Centre St, W., Roxbury 32, Mass	
Kan	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	
Mass	Addelco Corp	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	
NJ	R E Weber Co	15 Terry Ln, East Brunswick, NJ	
NM	W K Geist Co	3177 Glendale Blvd, Los Angeles 39, Cal	
NY	R E Weber Co	15 Terry Ln, East Brunswick, NJ	
ND	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	
Wash	W K Geist Co	3177 Glendale Blvd, Los Angeles, Cal	
Wisc	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	PICKER X-RAY CORP	**25 S. Broadway, White Plains, NY**	**WH8-0080**
Conn	Picker X-Ray Corp	965 Dixwell Ave, Hamden, Conn	UN5-0179
DC	Picker X-Ray Corp	2025 Eye St, N.W., Washington, DC	DI7-3037
Fla	Picker X-Ray Corp	1622 Ponce de Leon Blvd, Coral Gables	HE-2526
Ga	Picker X-Ray Corp	1477 Spring St, N.W., Atlanta, Ga	TR6-6355
Ill	Picker X-Ray Corp	1010 W. Jackson Blvd, Chicago, Ill	HA1-5161
Md	Picker X-Ray Corp	2721 Greenhsul Ave, Baltimore, Md	HO7-5308
Mass	Picker X-Ray Corp	12 Hunt St, Boston, Mass	ST2-9603
Mich	Picker X-Ray Corp	8514 W. McNichols Rd, Detroit, Mich	DI1-1372
NJ	Picker X-Ray Corp	314 W. First Ave, Roselle, NJ	CH1-0100
NY	Picker X-Ray Corp	75 Varick St, New York, NY	WO6-5800
Ohio	Picker X-Ray Corp	1503 Warrensville Center Rd, Cleveland	EV2-4880
Pa	Picker X-Ray Corp	3333 W. Hunly Park Ave, Philadelphia	BA8-3406
Pa	Picker X-Ray Corp	3400 Forbes St, Pittsburgh, Pa	MU2-7240
RI	Picker X-Ray Corp	55 Waterman St, Providence, RI	GE8-5755
	PICKERING & CO., INC	**Sunnyside Blvd, Plainview, NY**	**OY1-0200**
Ala	William T Little	2396 Donally Dr, East Point, Ga	PO1-5353
Alaska	C B Parsons	3028 First Ave, Seattle, Wash	MU6780
Ariz	Hyde Electronics Co	2902 W. Villa St, Phoenix, Ariz	
Ark	Jack McKinney Sales Co	1303 Chemical St, Dallas, Tex	RI1-1368
Cal	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Cal	Roland Clander Co	6313 Santa Monica Blvd, Los Angeles	HO9-6313
Colo	Hyde Electronics Co	888 S. Lipan, Denver, Colo	WE6-3456
Conn	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	3601 Adams Dr, Silver Spring, Md	WH6-3569
Fla	Morris F Taylor Co	4304 Corona St, Tampa, Fla	62-4071
Ga	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Hawaii	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Idaho	Hyde Electronics	888 S. Lipan, Denver, Colo	WE6-3456
Idaho	C B Parsons	3028 First Ave, Seattle, Wash	MU6780
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Ind	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Iowa	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	BE7-2420
Iowa	Lee Maynard	139 N. Central, Clayton 5, Mo	PA5-3723
Kan	Lee W Maynard	139 N. Central, Clayton 5, Mo	PA5-3723
La	Jack McKinney Sales Co	1102 Fairway, Kenner, La	
Me	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Mich	Lawrence A Zaffina	7351 Grand Ave, Detroit, Mich	WA1-7885
Minn	Stan Clothier	12 W. 58th St, Minneapolis, Minn	TA5-1234
Miss	Jack McKinney Sales Co	1303 Chemical St, Dallas, Tex	RI1-1368
Mo	Lee Maynard	139 N. Central, Clayton, Mo	PA5-3723
Mont	Hyde Electronics	888 S. Lipan, Denver, Colo	WE6-3456
Mont	C B Parsons	3028 First Ave, Seattle, Wash	MU6780
Neb	Lee Maynard	139 N. Central, Clayton, Mo	PA5-3723
Nev	Nickerson-Gray & Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
NH	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
NJ	Leon Adelman Co	25 Chittenden Ave, New York, NY	WO2-5308
NM	Hyde Electronics	5206 Constitution Ave, Albuquerque, NM	
NY	Leon Adelman Co	25 Chittenden Ave, New York, NY	WO2-5308
NY	LeRoy & Mc Guire	R.D. 1, Phelps, NY	KI6-4891
NC	Morris F Taylor Co	1224 Dresden Dr, Charlotte, NC	KE7-4878
ND	Stan Clothier	12 W. 58th St, Minneapolis, Minn	TA5-1234
Ohio	Les Morrow	3123 W. 117th St, Cleveland, Ohio	CL1-5700
Okla	Jack McKinney Sales Co	8512 E. 32nd St, Tulsa, Okla	
Ore	C B Parsons	3028 First Ave, Seattle, Wash	MU6780
Pa	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
RI	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
SC	Morris F Taylor Co	1224 Dresden Dr, Charlotte, NC	KE7-4878
SD	Stan Clothier	12 W. 58th St, Minneapolis, Minn	TA5-1234
Tenn	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Tex	Jack McKinney Sales Co	1303 Chemical St, Dallas, Tex	RI1-1368
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	
Vt	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	C B Parsons	3028 First Ave, Seattle, Wash	MU6780
W.Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wisc	Leroy W Beier	6518 W. North Ave, Chicago, Ill	BE7-2420
Wyo	Hyde Electronics	888 S. Lipan, Denver, Colo	WE6-3456
Canada	Charles W Pointon Limited	66 Racine Rd, Rexdale, Ontario, Canada	CH7-8777
Export	Ad Aurena Inc	85 Broad St, New York 4, NY	BO9-7750
	PIERCE & STEVENS CHEM CORP	**710 Ohio St, Buffalo 3, NY**	
	PIEZO CRYSTAL CO	**265 E. Pomfret St, Carlisle, Pa**	**CH9-2151**
	PIEZO PRODUCTS CO	**Whitney St, Sherborn, Mass**	**TR9-9497**
	PILGRIM SCREW CORP	**259 Dexter St, Providence, RI**	
	PILOT CHEMICALS INC	**36 Pleasant St, Watertown 72, Mass**	**WA4-7775**
	PILOT RADIO CORP	**37-06 36th St, Long Island City, NY**	**ST4-5454**
	PIMEX INC	**18 E. 60th St, New York 22, NY**	**PL3-3041**
Cal	Braun Chemical Co	1363 S. Bonnie Beach Pl, L A 54, Cal	AN9-9311
Cal	Braun-Knecht-Heiman Co	1400 16th St, San Francisco 19, Cal	HE1-8800
Wash	Scientific Supplies Co	600 Spokane St, Seattle 4, Wash	MU2-3460
	PINTSCH BAMAG AG	**Postfach II, Butzbach, Germany**	**4101/242**
	PIONEER CENTRAL DIV BENDIX AVIATION CORP	**Davenport, Iowa**	**DA7-9101**
Cal	Bendix Aviation Corp	117 E. Providencia Ave, Burbank, Cal	VI9-3961
	PIONEER ELECTRONICS CORP	**2235 S. Cornelina, W. L A 65, Cal**	**BR2-8053**
	PIONEER GEN-E-MOTOR CO	**5841 W. Dickens, Chicago 39, Ill**	**BE7-4100**
	PIONEER INDUSTRIES DIV ALMAR-YORK CO., INC	**3455 W. Vickery, Ft. Worth 7, Tex**	**ED2-7387**
Cal	George Jupin	7705 Fay Ave, La Jolla, Cal	GL4-1120
Cal	Robert Heasley	1745 North Orange Dr, Hollywood, Cal	HO7-0083
Cal	Robert Gambrell	768 S. Genevieve Ln, San Jose 28, Cal	CH8-0502
Colo	Robert Heasley	1745 North Orange Dr, Hollywood, Cal	HO7-0083
Ore	Robert Gambrell	768 S. Genevieve Ln, San Jose 28, Cal	CH8-0502
Wash	Robert Heasley	1745 N. Orange Dr, Hollywood, Cal	HO7-0083
Foreign	Lars Skari	Oslo, Norway	
	PITOMETER LOG CORP	**237 Lafayette St, New York 12, NY**	**CA6-7250**
Alaska	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	CA8545
Ariz	Maxon Electronics Corp., Inc	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Cal	Maxon Electronics Corp., Inc	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
Cal	Maxon Electronics Corp., Inc	15 - 41st Ave, San Mateo, Cal	FI5-7961
Cal	Maxon Electronics Corp., Inc	4434 Ingraham St, San Diego, Cal	HU6-2901
Conn	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
Del	Blumberg Associates Inc	225 Investment Bldg, Washington 5, DC	DI7-0990
DC	Blumberg Associates Inc	225 Investment Bldg, Washington 5, DC	DI7-0990
Idaho	Rush S Drake Associates Inc	Box 2126, Idaho Falls, Idaho	
Me	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
Md	Blumberg Associates Inc	225 Investment Bldg, Washington 5, DC	DI7-0990
Mass	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
Mont	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	CA8545
Nev	Maxon Electronics Corp., Inc	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
NH	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
NJ	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Maxon Electronics Corp Inc	489 S. Robertson Blvd, Beverly Hills, Cal	BR2-9311
NY	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	RE2-0001
Ore	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	CA8545
Pa	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ	GI4-1400
RI	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
Vt	Measurement Equipment Co., Inc	Box 267, Wakefield, Mass	CR6-5770
Wash	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	CA8545
Foreign	Omni Ray AG	Dufourstrasse 56, Zurich 8, Switzerland	
Foreign	Austronik GmbH	Franz-Josef-Strasse 3, Salzburg, Austria	
Foreign	Omni Ray GmbH	Nymphenburger Strasse 164, Munich 19, West Germany	
	PITTSBURGH LECTRODRYER DIV McGRAW-EDISON CO	**300 32 St, Pittsburgh 30, Pa**	**GR1-8782**
Ala	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
Ark	Ben McKallip Co	Box 3355, Tulsa, Okla	WE6-3301
Cal	Steen & Co	605 Addison St, Berkeley 10, Cal	TH3-6826
Cal	G R Oster	505 Hollingsworth Bldg, Los Angeles	MA2-1996
Colo	The Ambler Co	Box 591, Denver 1, Colo	TA5-8885
Conn	J F Kern & Co	421 7th Ave, New York 1, NY	LO5-0827
Del	Geo Kelso Co	Box 34, Upper Darby, Pa	FL2-1350
Fla	Johnson Roney II & Associates	Box 26, Clearwater, Fla	3-1136
Ga	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
Ill	McGraw-Edison Co	18 Plaza, Park Forest, Ill	PI8-4828
Ind	McGraw-Edison Co	18 Plaza, Park Forest, Ill	PI8-4828
Kan	Ben McKallip Co	Box 3355, Tulsa, Okla	WE6-3301
Ky	Clifford O Fischer	6851 Plainfield Rd, Cincinnati 36, Ohio	TW1-2530
La	Equitable Equipment Co	410 Camp St, New Orleans, La	RA9744
Me	Engineering Sales Corp	Box 59, Newton, Mass	
Mass	Engineering Sales Corp	Box 59, Newton 62, Mass	
Mich	Kerr Machinery Co	Kerr Bldg, Detroit 26, Mich	WO1-0590
Minn	Hartzell C Mills	2295 University Ave, St. Paul 14, Minn	MI5-2816
Mo	Ben McKallip Co	Box 3355, Tulsa, Okla	WE6-3301
Nev	Steen & Co	605 Addison St, Berkeley 10, Cal	TH3-6826
NH	Engineering Sales Corp	Box 59, Newton, Mass	
NJ	J F Kern & Co	421 7th Ave, New York 1, NY	LO5-0827
NJ	Geo Kelso Co	P.O. Box 34, Upper Darby, Pa	FL2-1350
NM	The Ambler Co	P.O. Box 591, Denver 1, Colo	TA5-8885
NY	J F Kern & Co	421 7th Ave, New York 1, NY	LO5-0827
NY	G R Wellmon	633 Virginia Ave, Erie, Pa	4-6753
NC	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
ND	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
Ohio	F F Eiseman	627 Hanna Bldg, Cleveland 15, Ohio	TO1-0642
Ohio	Clifford O Fischer	6851 Plainfield Rd, Cincinnati 36, Ohio	TW1-2530
Okla	Ben McKallip Co	Box 3355, Tulsa, Okla	WE6-3301
Ore	R E Chase & Co	Box 1414, Tacoma 1, Wash	
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Pa	Geo Kelso Co	P.O. Box 34, Upper Darby, Pa	FL2-1350
Pa	G R Wellmon	633 Virginia Ave, Erie, Pa	4-6753
SC	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
SD	Hartzell C Mills	2295 University Ave, St. Paul 14, Minn	MI5-2816
Tenn	D B Gooch Associates Inc	5018 1st Ave, Birmingham 6, Ala	LY2-8191
Tex	Way Eng Co	Box 6366, Houston, Tex	JA8-1555
Tex	Southwestern Eng & Equipment Co	3906 Lemmon Ave, Dallas, Tex	LA6-7433
Vt	Engineering Sales Corp	Box 59, Newton, Mass	
Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Wash	R E Chase & Co	P.O. Box 1414, Tacoma 1, Wash	MA4281
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh, Pa	TU4-3425
Wisc	McGraw-Edison Co	18 Plaza, Park Forest, Ill	PI8-4828
Wyo	The Ambler Co	P.O. Box 591, Denver 1, Colo	TA5-8885
Canada	Mawer Sales Ltd	144A Kern St, Oakville, Ontario Canada	VI5-2265
	PITTSBURGH PLATE GLASS CO	**1 Gateway Center, Pittsburgh 22, Pa**	**AT1-5100**
	PIX MFG CO., INC	**75 Hudson St, Newark, NJ**	**HU4-5400**
Ariz	R S Nelson Mfgrs Rep	1828 E. Cambridge, Phoenix, Ariz	AM5-0514
Cal	E V Roberts & Associates	5068 Washington Blvd, Los Angeles, Cal	WE8-2541
Conn	Glen M Hathaway Inc	238 Main St, Cambridge, Mass	EL4-1751
Del	J E McLean Sales Co	Box 152, Waynesboro, Va	WH2-8678
Ill	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Ind	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Me	Glen M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	EL4-1751
Md	J E McLean Sales Co	Box 152, Waynesboro, Va	WH2-8678
Mass	Glen M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	EL4-1751
Mich	The Arnold Johnson Co	7287 Thomas Dr, Naderia, Ohio	LO1-8826
NH	Glen M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	EL4-1751
NM	R S Nelson Mfgrs Rep	1828 E. Cambridge, Phoenix, Ariz	AM5-0514
NC	J E McLean Sales Co	Box 152, Waynesboro, Va	WH2-8678
Ohio	The Arnold Johnson Co	7287 Thomas Dr, Naderia, Ohio	LO1-8826
Okla	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas, Tex	EM1-1765
Pa	The Arnold Johnson Co	7287 Thomas Dr, Naderia, Ohio	LO1-8826
RI	Glen M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	EL4-1751
SC	J E McLean Sales Co	Box 152, Waynesboro, Va	WH2-8678
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas, Tes	EM1-1765
Vt	Glen M Hathaway Electronics Inc	238 Main St, Cambridge, Mass	EL4-1751
Va	J E McLean Sales Co	Box 152, Waynesboro, Va	WH2-8678
Wisc	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
	PLANET INSTRUMENT INC	**616 S.Lafayette St, Ft. Wayne, Ind**	**EA1495**
Colo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver, Colo	SK6-0627
Conn	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Del	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
DC	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Ill	Gassner & Clark	6644 N. Western Ave, Chicago, Ill	RO4-6121
Iowa	Gassner & Clark	6644 N. Western Ave, Chicago, Ill	RO4-6121
Me	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Md	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Mass	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Mich	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
NH	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
NJ	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NM	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver, Colo	SK6-0627
NY	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Ohio	Electro-Rep	22519 Telegraph Rd, Detroit, Mich	EL6-7211
Pa	Wally Shulan & Co	128 Holly Dr, Woodbury, NJ	TI5-7885
RI	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Utah	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver, Colo	SK6-0627
Vt	Allison Engineering Sales	61 Lee St, E. Longmeadow, Mass	LA5-3126
Va	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Wisc	Gassner & Clark	6644 N. Western Ave, Chicago, Ill	RO4-6121
Wyo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver, Colo	SK6-0627
	PLANET MFG CORP	**225 Belleville Ave, Bloomfield, NJ**	**PI3-2874**
Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills	OL2-5616
Cal	Logan & Logan	254 Twelfth St, San Francisco, Cal	PL6-0992
Md	Wm Sheffer	4605 Old Frederick Rd, Baltimore, Md	
Mass	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
Mich	J M Flora Inc	Territorial at Ridgewood, Plymouth, Mich	GL3-4296
Minn	Wm Engelbretson Co	906 Ottawa Ave, St. Paul, Minn	
Mo	F C Somers & Co	17th & Main Sts, Kansas City, Mo	GR1355
NJ	Henry G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
NY	E J Schomburg	830 Linden Ave, Rochester, NY	LU6-0725
NY	Henry G Richter Co	467 Hillside Ave, Westfield, NJ	WO2-5920
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ohio	McFadden Sales Co	150 E. Broad St, Columbus, Ohio	CA1-3353
Ore	Dave M Lee Co	3527 N.E. Union Ave, Portland, Ore	BE2241
Pa	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Tex	John B Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
	J F Anderson	300 Belle View Blvd, Alexandria, Va	
Wash	Dave M Lee Co	2517 2nd Ave, Seattle, Wash	
	PLASTECK INC	**P. O. Box 551, Poteau, Okla**	**705**
Ala	Horton Emory	Box 9013, Birmingham, Ala	FA2-0515
Cal	Radar Relay Inc	2322 Michigan Ave, Santa Monica, Cal	UP0-1526
Fla	Courtney Cummings	Box 507, Bradenton, Fla	BR4-6762
Ga	Horton Emory	Box 9013, Birmingham, Ala	FA2-0515
Mich	Daniels Service Co	4431 W. Diversey, Chicago, Ill	DI2-3140
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
Tex	Allied Components	Box 10203, Dallas 7, Tex	DI2-3140
Wash	Robert Schimel	Box 236, Bellevue, Wash	GL4-6993
Canada	A R Gardner Sales	Box 885, Highland Creek, Ontario, Can	OX8-2451
	PLASTIC CAPACITORS INC	**2620 N.Clybourn Ave, Chicago 14, Ill**	**DI8-3735**
Ala	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ariz	Richard A Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Ark	Packard Associates	Love Fld Term Bldg, Dallas, Tex	FL7-5713
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Cal	Richard A Strassner Co	1682 Laurel St, San Carlos, Cal	LY3-4996
Conn	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Del	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
DC	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Fla	Mark Electronic Sales Co	410 N.E. 147th Terr, North Miami 61, Fla	WI7-5080
Ga	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ill	D Dolin Sales Co	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Ind	D Dolin Sales Co	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM6-6183
Kan	Engineering Services Co	6325 E. Indianapolis St, Wichita, Kan	MU3-3751
La	Packard Associates	Love Fld Term Bldg, Dallas, Tex	FL7-5713
Me	Henry Lavin Associates Inc	P. O. Box 196, Meriden, Conn	BE7-5527
Md	M Leff Sales	1844 Edgewood Rd, Baltimore, Md	
Md	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Mass	Henry Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Mass	Henry Lavin Associates Inc	P. O. Box 196, Meriden, Conn	BE7-5527
Mich	F A Villani	7008 Rosemary, Dearborn 6, Mich	LO3-1256
Minn	D Dolin Sales Co	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Miss	Fred Wamble Sales	3867 Sherwood Ave, Montgomery 9, Ala	AM2-1573
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 30, Mo	VO3-3660
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Neb	Engineering Services Co	6635 Delmar Blvd, St. Louis 30, Mo	VO3-3660
Nev	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
NH	Henry Lavin Associates Inc	P. O. Box 196, Meriden, Conn	BE7-5527
NJ	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NJ	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
NM	Richard A Strassner Co	1557 N. Western Ave, L A 27, Cal	HO3-5694
NY	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NY	Midstates Research Sales Inc	327 Wellesley Rd, Syracuse 7, NY	GR8-8314
NC	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ohio	Electro-Com	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Ohio	Electro-Com	221 Valley View Dr, Dayton, Ohio	
Okla	Packard Associates	Love Fld Term Bldg, Dallas, Tex	FL7-5713
Pa	Electro-Com	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Pa	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
RI	Henry Lavin Associates Inc	P. O. Box 196, Meriden, Conn.	BE7-5527
SC	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tenn	Fred Wamble Sales	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35	FL7-5713
Vt	Henry Lavin Associates Inc	P. O. Box 196, Meriden, Conn.	BE7-5527
Va	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
W. Va	Electro-Com	1231 Main Ave, Cleveland 13, Ohio	TO1-4757
Wisc	Dolin Sales Co	5219 N.Hopkins Ave, Milwaukee 9, Wisc	
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ontario	PL7-3253

PLASTIC MOLD & ENGINEERING CO — **Wampanoag Trail, E.Providence 14, RI** — **GE8-2424**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Thomas L Stevens Co., Inc	15222 S. Grevillea Ave, Lawndale, Cal	OR8-4782
Ill	Saba & Co	6962 W. North Ave, Chicago 35, Ill	ME7-1000
Ind	William A Meily Co	4017 S.Harrison Blvd, Ft. Wayne, Ind	KE2461
Mass	Alexander Hubert	130 Westbourne Ave, Brookline 46, Mass	AS7-2467
NJ	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
NY	Ellis Haber Corp	11 Northern Blvd, Great Neck, NY	HJ7-5145
Canada	Murray Willitts	565 Davenport Rd, Toronto, Ontario, Canada	
Foreign	C A Ruempol	5 Merlewood, Seven Oaks, Kent, England	

PLASTIC WELDING CORP — **841 Freylinghuysen Ave, Newark, NJ**

PLASTIC WIRE & CABLE CORP — **Jewett City, Conn** — **DR6-4411**

PLASTICS & COAL CHEMICALS DIV ALLIED CHEMICAL CORP — **40 Rector St, New York 6, NY** — **HA2-7300**

PLASTOID CORP — **42-61 24 St, Long Island City 1, NY** — **ST6-6200**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Thomas L Stevens Co., Inc	15222 S. Grevillea, Lawndale, Cal	OS9-1419
Ark	Athans Sales Co	1523 Dragon St, Dallas, Tex	RI2-4450
Cal	Thomas L Stevens Co., Inc	15222 S. Grevillea, Lawndale, Cal	OS9-1419
Colo	Manufacturers Sales Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
DC	Robert Peel	6811 Riggs Manor Dr, Hyattsville, Md	HA2-4372
Fla	William F Hemminger Co	624 N.E. 79 St, Miami 38, Fla	PL9-0300
Idaho	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Ind	R C Whitmore & Associates	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Iowa	R C Whitmore & Associates	520 N. Michigan Ave, Chicago 11, Ill	MO4-1904
Kan	W N Wellman Co	Box 166, Fenton, Mo	DA6-0313
La	Athans Sales Co	1523 Dragon St, Dallas, Tex	RI2-4450
Me	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
Md	Robert Peel	6811 Riggs Manor Dr, Hyattsville, Md	HA2-4372
Mass	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
Mo	W N Wellman Co	Box 166, Fenton, Mo	DA6-0313
Mont	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
NH	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
NM	Manufacturers Sales Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
NY	Stetler & Stetler	1807 Elmwood Ave, Buffalo 7, NY	DE6435
Ohio	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Okla	Athans Sales Co	1523 Dragon St, Dallas, Tex	RI2-4450
Pa	Warren Moffett	935 Pottstown Pike, West Chester, Pa	OW6-3325
RI	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
Tex	Athans Sales Co	1523 Dragon St, Dallas, Tex	RI2-4450
Utah	Manufacturers Sales Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Vt	Henry Lavin Associates Inc	Box 196, Meriden, Conn	BE7-5528
Va	Robert Peel	6811 Riggs Manor Dr, Hyattsville, Md	HA2-4372
Wash	Ron Merritt Co	1320 Prospect St, Seattle, Wash	MU2-7337
W. Va	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	AC1-2561
Wisc	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Wyo	Manufacturers Sales Co	1871 S. Broadway, Denver, Colo	SP7-4381

PLASTRONIC ENGINEERING CO — **721 Boston Post Rd, Marlborough, Mass** — **HU5-6099**

PLUG-IN INSTRUMENTS INC — **1416 Lebanon Rd, Nashville 10, Tenn** — **AL 4-8829**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
Fla	William M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co	1437 Kentworth Dr, S.W., Atlanta, Ga	PL5-5318
Ill	Berndt & Associates	5785 N.Lincoln Ave, Chicago 45, Ill	LO1-4625
Md	William M Jones Co	1107 Echo Ct, N., Towson, Md	VA3-5721
Mich	The Satullo Co	4512 N.Woodward Ave, Royal Oak, Mich	LI9-3910
NY	DuBoyv Associates	144-45 35th Ave, Flushing, NY	FL3-6963
Ohio	The Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	IV6-2800
Ohio	The Satullo Co	Roselawn Center Bldg, Cinn 37, Ohio	JE1-3094
Pa	The Satullo Co	992 Perry Hwy, Pittsburgh 37, Pa	WE1-5200
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tex	Robert B Stockdale Associates	3115 Buffalo Dr, Houston 19, Tex	JA8-0683

PODGOR SILK SCREEN INDUSTRIES — **16-18 S. Marshall St, Phila 6, Pa** — **MI6-3574**

POLAN INDUSTRIES INC — **P. O. Box 1720, Huntington 19, W. Va** — **HA9-1331**

POLARAD ELECTRONICS CORP — **43-20 34th St, Long Island City 1, NY** — **EX2-4500**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Murphy & Cota	Lane Plaza, 250-5th Ave, Huntsville, Ala	
Ariz	T Louis Snitzer Co	5354 W.Pico Blvd, Los Angeles, Cal	WE8-2074
Ark	Industrial Associated Electronics	5007 E.Lancaster Ave, Ft. Worth, Tex	JE1-1132
Cal	T Louis Snitzer Co	5354 W.Pico Blvd, Los Angeles, Cal	WE8-2074
Cal	T Louis Snitzer Co	510 S. Mathilda Ave, Sunnyvale, Cal	RE6-6733
Cal	T Louis Snitzer Co	7814 Ivanhoe Ave, LaJolla, Cal	GL4-2191
Colo	McLoud & Raymond	5403 E.Evans Ave, Denver 22, Colo	SK6-1589
Conn	George Gregory Associates	P. O. Box 243, Cheshire, Conn	AT8-2900
Del	Eastern Associates	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
DC	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 5, Ga	TR6-3020
Hawaii	John J Harding Co Ltd	P. O. Box 4013, Honolulu, Hawaii	99-5375
Idaho	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6185
Kan	Engineering Services Co	8325 Indianapolis Ave, Wichita, Kan	MU3-3751
La	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1132
Me	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Md	Eastern Associates	5547 Baltimore Nat'l Pike, Baltimore	RI4-3676
Md	Eastern Associates	8616 Georgia Ave, Silver Spring, Md	
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Minn	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Miss	Murphy & Cota	Lane Plaza, 250-5th Ave, Huntsville, Ala	
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
NH	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
NJ	Eastern Associates	820 Homestead Rd, Jenkintown, Pa	TU4-7200
NM	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
NY	NACO Electronics Corp	704 Allen Rd, N. Syracuse, NY	GL8-2358
NY	NACO Electronics Corp	74 Park Ave, Rochester, NY	
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland, Ohio	RE1-5676
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Okla	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	
Pa	Eastern Associates	820 Homestead Rd, Jenkintown, Pa	TU4-7200
RI	George Gregory	99 Elm St, W. Newton, Mass	BI4-4832
SC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tenn	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tex	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Tex	Industrial Associated Electronics	Rm 20113, Int'l Airport, El Paso, Tex	PR2-2441
Utah	McLoud & Raymond	5403 E.Evans Ave, Denver 22, Colo	SK6-1589
Vt	George Gregory	99 Elm St, W. Newton, Mass	BI 4-4832
Va	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Wash	Hawthorne Electronics	Boeing Field, Seattle, Wash	PA5-1406
W. Va	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589

POLARIS ENGINEERING CORP — **5317 Cottage Grove Ave, Chicago, Ill** — **DO3-5344**

POLARIZER DIV OF POLAROID CORP — **119 Windsor St, Cambridge 39, Mass** — **UN4-6000**

POLLAK CORP., JOSEPH — **75-99 Freeport St, Dorchester 22, Mass** — **AV2-9550**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Allen C Craft Jr	Box 11716, Northside Sta, Atlanta 5, Ga	CE3-9944
Ark	R E Dahlin	P.O. Box 2375, Dallas 21, Tex	LA1-2939
Colo	R E Dahlin	P.O. Box 2375, Dallas 21, Tex	LA1-2939
Conn	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
Fla	Allen C Craft Jr	Box 11716, Northside Sta, Atlanta 5, Ga	CE3-9944
Ga	Allen C Craft Jr	P.O. Box 11716, Northside Sta, Atlanta 5,	CE3-9944
La	R E Dahlin	P.O. Box 2375, Dallas 21, Tex	LA1-2939
Me	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
Md	W R Trainor	115 Greenbrier Rd, Towson 4, Md	VA3-6184
Mass	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
NH	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
NJ	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
NY	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
Okla	R E Tim Dahlin	P.O. Box 2375, Dallas 21, Tex	LA1-2939
Pa	Harry J White Co., Inc	121 Covered Bridge Rd, Haddonfield, NJ	HA8-2304
RI	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
SC	Allen C Craft Jr	Box 11716, Northside Sta, Atlanta 5, Ga	CE3-9944
Tex	R E Dahlin	P.O. Box 2375, Dallas 21, Tex	LA1-2939
Vt	Brookdale Engineering & Services Co	6 Beacon St, Boston, Mass	CA7-1515
Va	W R Trainor	115 Greenbrier Rd, Towson 4, Md	VA3-6184

POLY-CHEM — **541 S. Webster Ave, Indianapolis 19, Ind** — **FL9-2996**

POLYKEN SALES DIV KENDALL CO — **309 W.Jackson Blvd, Chicago 6, Ill** — **WE9-7100**

POLY-KOTE INC — **82 Chestnut St, N. Attleboro, Mass** — **MY9-8332**

POLYMER CORP — **2120 Fairmont Ave, Reading, Pa** — **FR6-5791**

POLYMER INDUSTRIES INC — **Springdale, Conn** — **FI8-4221**

POLYMICA & INSULATION CO — **683 Main St, Willimantic, Conn** — **HA3-0584**

POLYPHASE INSTRUMENT CO — **E.Fourth St, Bridgeport, Pa** — **BR9-4660**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
Cal	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
Conn	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Del	Roland R Hitchens	323 Homestead Ave, Haddonfield, NJ	HA9-2491
DC	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211
Ill	Polyphase Instrument Co	2054 N. Cicero Ave, Chicago 39, Ill	ME7-7466
Me	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Md	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211
Mass	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Nev	J S Kempf Co	10304 Prairie Ave, Inglewood 2, Cal	OR4-2165
NH	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
NJ	George H Weiland	76-49 168th St, Flushing 66, NY	OL8-4061
NJ	Roland R Hitchens	323 Homestead Ave, Haddonfield, NJ	HA9-2491
NY	George H Weiland	76-49 168th St, Flushing 66, NY	OL8-4061
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
RI	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Vt	Nelson W Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Va	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211

POLY SCIENTIFIC CORP — **Rt 460 N., Blacksburg, Va** — **PR2-8212**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	E J Foley	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	Fred W Falck	1465 Deer Hill Ct, La Jolla, Cal	BE3-3341
Cal	Pacific Electro-Sales Inc	6053 1/2 Whittier Blvd, Los Angeles 22,	RA3-3396
Conn	R H Whitehead Associates	57 Whitfield St, Guilford, Conn	GL3-3762
Fla	Military Packaging of Florida	P.O. Box 10302, St. Petersburg, Fla	DI5-7608
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	SP4-0277
Mass	R H Whitehead Associates	2 Brimmer St, Boston, Mass	CA7-2590
Mich	C H Roller & Co	5249 Stage, N.W., Grand Rapids, Mich	EM1-9629
Minn	Fred Peterson & Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
NY	Ned Allen Inc	P.O. Box 575, Binghampton, NY	CH4261
NY	Robert P Kennedy	182 Mayflower Dr, Rochester 18, NY	
NY	Par Distributors	P.O. Box 352, Syosset, NY	WA1-5290
NY	Par Distributors	3220 Netherlands Ave, Bronx 63, NY	KI6-2965
NY	Par Distributors	P.O. Box 352, Syosset, NY	PY8-4200
NC	K O Brown & Co	P.O. Box 1791, Greensboro, NC	BR3-5973
NC	K O Brown & Co	P.O. Box 6062, Charlotte 7, NC	EM6-3337
Pa	Cashman & Norton	P.O. Box 124, Broomall, Pa	EL7-7703

POLYTRON ENGINEERING INC — **32 W. Biddle St, Baltimore 1, Md** — **SA7-6116**

POLYTRONIC RESEARCH INC — **7326 Westmore Rd, Rockville, Md** — **HA7-7400**

POMONA ELECTRONICS CO., INC. — **1126 W.Fifth Ave, Pomona, Cal** — **MA9-9549**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ariz	Harry A Moore Sales Co	P.O. Box 7245, Phoenix, Ariz	CR4-0060
Ark	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Cal	The Paul Nurches Co	3250 Rida St, Pasadena, Cal	SY6-5844
Cal	Al J Riggs Sales Co	8417 E. Las Tunas Dr, San Gabriel, Cal	AT6-1476
Cal	Belchamber & French Co	1485 Bayshore Blvd, San Francisco, Cal	JU6-0406
Colo	William B Golliher Co	P.O. Box 307, Aurora, Colo	EM6-0208
Conn	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
Del	David S Lunz	238 Shelmire St, Philadelphia 11, Pa	ES9-0734
DC	David S Lunz	238 Shelmire St, Philadelphia 11, Pa	ES9-0734
Fla	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ga	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL5-4336
Idaho	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Ill	William M Lunz Associates	6322 N. Cicero Ave, Chicago 46, Ill	MU5-2022
Ill	Dwight Smith & Associates	9 S. River St, Aurora, Ill	TW7-5752
Iowa	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
Kan	Clemenson-Larrabee Co	436 E. 79th St, Kansas City 10, Mo	JA3-3005
La	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Me	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
Md	David S Lunz	238 Shelmire St, Philadelphia 11, Pa	ES9-0734
Mass	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Miss	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta, Ga	PL5-4336
Mo	Clemenson-Larrabee Co	436 E. 79th St, Kansas City, Mo	JA3-3005
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Neb	Clemenson-Larrabee Co	436 E. 79th St, Kansas City, Mo	JA3-3005
Nev	Belchamber & French Co	1485 Bayshore Blvd, San Francisco, Cal	JU6-0406
NH	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
NJ	David S Lunz	238 Shelmire St, Philadelphia 11, Pa	ES9-0734
NM	Harry A Moore Sales Co	P.O. Box 7245, Phoenix, Ariz	CR4-0060
NY	Jack Weber Associates	63 E. 9th St, New York 3, NY	GR3-7813
NC	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
ND	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Okla	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Pa	David S Lunz	238 Shelmire St, Philadelphia 11, Pa	ES9-0734
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburg, Pa	CA1-4676
RI	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
SC	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
SD	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Tenn	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Tex	MacRae-Smith Co	P.O. Box 35113, Dallas 35, Tex	BL3-2006
Utah	William B Golliher Co	P.O. Box 307, Aurora, Colo	EM6-0208
Vt	Robert S Reiss Associates	70 Jessie Dr, W. Haven, Conn	WE4-5261
Va	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	PL5-4336
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
W. Va	F P Yarussi Co	312 Spring Valley Rd, Pittsburg, Pa	CA1-4676
Wisc	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Wyo	William B Golliher Co	P.O. Box 307, Aurora, Colo	EM6-0208

POPPER & SONS INC — **300 Park Ave, S., New York 10, NY** — **OR4-5500**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	J W Lieser Co	4408 W. Jefferson Blvd, Los Angeles 5, Cal	
Cal	M D Grove & Co	310 Sacramento St, San Francisco, Cal	
Cal	J W Lieser Co	4408 W. Jefferson Blvd, Los Angeles, Cal	
Mass	Federal Stamp Co	19 High St, Boston 10, Mass	
NH	Federal Stamp Co	19 High St, Boston 10, Mass	
Ore	M D Grove & Co	310 Sacramento St, San Francisco, Cal	
RI	Federal Stamp Co	19 High St, Boston 10, Mass	
Tex	R P Anderson & Co	2503 W. Mockingbird Ln, Dallas, Tex	
Canada	Barnard Stamp & Stencil Ltd	8 George St, Hamilton, Ontario, Canada	

PORTCHESTER INSTRUMENT CORP — **114 Wilkens Ave, Port Chester, NY** — **WE9-4092**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Shephard-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
Cal	L A Nott & Co	1061 Howard St, San Francisco 3, Cal	HE1-4738
Colo	Landes, Zachary & Peterson Co	601 S. Jason, Denver 3, Colo	SH4-1311
Fla	E C Raymond & Associates	1221 Arlington Ave, St. Petersburg, Fla	ST7-6126
Ill	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BI8-3890
Kan	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	
Mass	Wayne B Pahoda Inc	1787 Mass Ave, Lexington 3, Mass	VO2-7224
Mich	Robert Misik Co	19371 Jas Couzens Hghwy, Detroit 35	BR3-3652
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Mo	Maury E Bettis	8676 Kathlyn Dr, St. Louis, Mo	
NJ	Jack Onore	555 Winchester Ave, Union, NJ	EL5-0474
NM	R E McGlendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	H A F Associates	330 E. 70th St, New York, NY	RE7-1330
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore 23, NY	DE0484
NC	E C Raymond & Associates	5412 Hilltop Circle, Charlotte, NC	
Ohio	B E K Associates	330 Salem Ave, Dayton 6, Ohio	CR6-1343
Pa	Earl H Moore	6101 Joshua Rd, Whitemarsh, Pa	CH7-7122
Tex	R E McGlendon Co	137 Walnut Hill Village, Dallas 20, Tex	FL2-4054

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Wash	L Brady Technical Sales Co	1731 S., Seattle, Wash	LA6713
Canada	J J MacQuarrie	46 St. George St, Toronto, Canada	WA3-2455
	PORTER CO., Wm	**1007 Santa Fe Ave, Los Angeles 21, Cal**	**MA3-9129**
Ariz	ESCO	916 W. Adams St, Phoenix, Ariz	AL2-2107
Cal	Electrical Specialty Co	2828 E. 12th St, Los Angeles, Cal	ANS-9611
Cal	Tanner Engineering Co	158-168 11th St, Los Angeles, Cal	HE1-8450
Colo	ESCO	2026 Araphoe, Denver	CH4-4588
Ore	ESCO	212 N. W. 14th Ave, Portland	CA7-3188
Wash	ESCO	2406 1st Ave, Seattle, Wash	EL8061
	PORTER CO., INC., H K NATIONAL ELECTRIC DIV	**Porter Bldg, Pittsburgh 19, Pa**	
	POSITIVE LOCKWASHER CO	**181 Vanderpool St, Newark 4, NJ**	**BI3-8460**
Ala	Schuler Equipment Co	2117 8th Ave, S., Birmingham, Ala	FA2-2581
Ark	J W Johnson	6019 Winton St, Dallas, Tex	TA7-1234
Conn	Thomas J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
Ga	Schuler Equipment Co	2117 8th Ave, S., Birmingham, Ala	FA2-2581
Ill	Higgins & Linde	564 W. Randolph St, Chicago, Ill	FR2-2070
Ind	Walter F Greene & Associates	3140 N. Illinois St, Indianapolis, Ind	WA5-5333
Kan	The Wilshel Co	3302 Wyoming St, Kansas City, Mo	WE1-2444
La	J W Johnson	6019 Winton St, Dallas, Tex	TA7-1234
Me	Thomas J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
Mass	Thomas J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
Minn	A J Krezowski	3435 E. 25th St, Minneapolis, Minn	PA4-8800
Mo	The Wilshel Co	3302 Wyoming St, Kansas City, Mo	WE1-2444
NH	Thomas J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
NY	John J Sullivan	9 Main St, Holcomb, NY	HO-56
NC	Eric Green	Box 247, Statesville, NC	TR2-5754
Ohio	Walter F Greene Associates	3140 N. Illinois St, Indianapolis, Ind	WA5-5333
Ohio	Reece Gersinger Associates	1750 N. Highland, Pittsburgh, Pa	LO3-2200
Okla	J W Johnson	6019 Winton St, Dallas, Tex	TA7-1234
Pa	Reece Gersinger Associates	1750 N. Highland Rd, Pittsburgh, Pa	LO3-2200
RI	Thomas J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
SC	Eric Green	Box 247, Statesville, NC	TR2-5754
SD	A J Krezowski	3435 E. 25th St, Minneapolis, Minn	PA4-8800
Tex	J W Johnson	6019 Winton St, Dallas, Tex	TA7-1234
Vt	T J Hatzis & Son	Statler Office Bldg, Boston, Mass	HA6-2332
Va	Eric Green	Box 247, Statesville, NC	TR2-5754
W. Va	Eric Green	Box 247, Statesville, NC	TR2-5754
Wisc	Jovs-Lutz Co	3016 E. Silver Spring Dr, Milwaukee	ED2-8020
	POST ELECTRONIC PRODUCTS	**140 Elliott St, Beverly, Mass**	**WA3-5906**
Ala	Chas F Wheelock & Associates	205 S. 32nd St, Birmingham 1, Ala	FA2-6283
Ariz	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal	HO9-6313
Ark	Bill Aaker & Associates	3038 Rotan Ln, Dallas 29, Tex	FL1-0917
Cal	Roland Olander & Co	6313 Santa Monica Blvd, L A 38, Cal	HO9-6313
Cal	Control Engineers	Box 426, Oakland 4, Cal	JE7-3783
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Richard F MacDowell Co	Box 102, Melrose 76, Mass	NO5-8893
Del	George Goodman Associates	103 E. 25th St, Baltimore 18, Md	BE5-5570
DC	George Goodman Associates	103 E. 25th St, Baltimore 18, Md	BE5-5570
Fla	Shepherd Equipment Co	87 Walton St, N.W., Atlanta 3, Ga	JA2-6471
Fla	Chas F Wheelock	205 S. 32 St, Birmingham 1, Ala	FA2-6283
Ga	Shepherd Equipment Co	87 Walton St, N.W., Atlanta 3, Ga	JA2-6471
Idaho	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland, Ore	BE6-2444
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Wells-White Co	3937 Main St, Kansas City, Mo	PA7-7622
Ill	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
Ill	Controlcraft Co	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Ill	Wells-White Co	3937 Main St, Kansas City, Mo	
Ind	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
Ind	Ken Dimond Co	3455 Edwards Rd, Cincinnati 8, Ohio	TR1-1305
Ind	Controlcraft Co	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Ind	Law Instrument Co	P.O.Box 27062, Indianapolis 27, Ind	
Iowa	Controlcraft Co	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Kan	Wells-White Co	3937 Main St, Kansas City 11, Mo	
Kan	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
Ky	Ken Dimond Co	3455 Edwards Rd, Cincinnati 8, Ohio	TR1-1305
La	Bill Aaker & Associates	3038 Rotan Ln, Dallas 29, Tex	FL1-0917
Me	Richard F MacDowell Co	Box 102, Melrose 76, Mass	NO5-8893
Md	George Goodman Associates	103 E. 25th St, Baltimore 18, Md	BE5-5570
Mass	Richard F MacDowell Co	Box 102, Melrose 76, Mass	NO5-8893
Mich	Electronic Supply Corp	95 Hamblin Ave, Battle Creek, Mich	
Mich	Basic Service Corp	16544 Plymouth Rd, Detroit 27, Mich	WO2-9514
Minn	Controlcraft Co	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Mo	Wells-White Co	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7622
Mo	Wells-White Co	3937 Main St, Kansas City, Mo	
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NH	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
NJ	J H Baker & Son	1811 Callowhill St, Philadelphia 30, Pa	LO3-4621
NJ	E W Rowland Associates	90 West St, New York 6, NY	WO4-7188
NM	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse 4, NY	GR8-2141
NY	E W Rowland Associates	90 West St, New York 6, NY	WO4-7188
NC	J L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Law Instrument Co	Box 27062, Indianapolis 27, Ind	
Ohio	E E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa	FR1-6220
Ohio	Law Instrument Co	Box 95, Angola, Ind	217
Ohio	Ken Dimond Co	3455 Edwards Rd, Cincinnati 8, Ohio	TR1-1305
Okla	Bill Aaker & Associates	3038 Rotan Ln, Dallas 29, Tex	FL1-0917
Ore	J L Kearns Co., Inc	6055 N.E. Glisan St, Portland, Ore	BE6-2444
Pa	E E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa	FR1-6220
Pa	J H Baker & Son	1811 Callowhill St, Philadelphia 30, Pa	LO3-4621
RI	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
SC	J L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	J L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	Shepherd Equipment Co	87 Walton St, N.W., Atlanta 3, Ga	JA2-6471
Tex	Southwestern Controls	4716 Eli St, Houston 19, Tex	UN2-8874
Tex	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Utah	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Vt	Richard F MacDowell Co., Inc	Box 102, Melrose 76, Mass	NO5-8893
Va	George Goodman Co	103 E. 25th St, Baltimore 18, Md	BE5-5570
Wash	James L Kearns Co., Inc	6055 N.E. Glisan St, Portland, Ore	BE6-2444
W. Va	Earl E Whitaker & Son	822 Wood St, Pittsburgh 21, Pa	FR1-6220
Wisc	Controlcraft Co	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	Elder Electronics	541 Brant St, Burlington, Ontario, Canada	NE4-0611
Canada	Reid Electronics	1462 Erin St, Winnepeg 3, Man, Canada	SU3-0988
Foreign	Controls & Instruments Co	15 E. 40th St, New York 16, NY	MU5-5231
	POST & CO., FREDERICK	**3650 N.Avondale Ave, Chicago 90, Ill**	**KE9-7000**
Cal	Frederick Post Co	2839 S. Tanager St, Los Angeles 22, Cal	RA3-9271
Cal	Frederick Post Co	318 Mission St, San Francisco, Cal	GA1-3308
Ill	Frederick Post Co	333 W. Lake St, Chicago, Ill	RA6-4494
Mich	Frederick Post Co	561 E. Jefferson, Detroit, Mich	WO2-8484
NJ	Frederick Post Co	41 Bancker St, Englewood, NJ	LO9-1000
Pa	Frederick Post Co	110 Sixth St, Pittsburgh, Pa	AT1-3350
Tex	Frederick Post Co	5600 Harvey-Wilson Dr, Houston, Tex	WA8-3261
Wisc	Frederick Post Co	2955 N. Humboldt Ave, Milwaukee, Wisc	BR1-9300
	POTTER AERONAUTICAL CORP	**Rt 22, Union, NJ**	**MU6-3010**
Cal	P A C	22527 Pacific Coast Hwy, Malibu, Cal	GL6-2056
Cal	P A C	720 El Camino Real, Belmont, Cal	FI5-0571
Ga	Potter Aeronautical Corp	309 E. Paces Rd, Atlanta 5, Ga	CE3-4719
Ohio	P A C	3898 Linden Ave, Dayton 10, Ohio	CL6-0171
Canada	P A C	465 Wentworth Ave, Ottawa, Ont, Can	PA2-5535
Foreign	DeHavilland Propellers Ltd	Hatfield, Hertfordshire, England	
	POTTER & BRUMFIELD DIV OF AMERICAN MACHINE & FOUNDRY CO	**Princeton, Ind**	**FU5-5251**
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
Cal	C E Ault Associates	120 Santa Margarita Ave, Menlo Park, Cal	DA6-1760
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	RY1-6781
Cal	G S Marshall Co	3525 Fifth Ave, San Diego, Cal	CY8-8234
Colo	R G Bowen Co., Inc	721 S. Broadway, Denver 23, Colo	RA2-4641
Conn	Glenn M Hathaway Electronics Inc	P.O. Box 797, Canaan, Conn	TA4-7215
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami, Fla	WI5-2962
Fla	Cartwright & Bean	P.O. Box 583, Orlando, Fla	GA5-8284
Ga	Cartwright & Bean	3223 Cam's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Ill	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago 35, Ill	TU9-5011
Ill	D L Sisson Sales Co	Box 226, Roselle, Ill	LA9-3131
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis 1,	FL9-5374
La	Earl K Moore Co	5864 Louisville St, New Orleans 24, La	AU2407
Mass	Glenn M hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Burvl Hill Inc	15425 Schaefer Hwy, Detroit 27, Mich	VE8-3460
Mich	Howard R Davidson Co	1200 Burton St, S.E., Grand Rapids 7,	CH5-1116
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Mo	E B Schwerin Co	4210 Main St, Kansas City 11, Mo	WE1-7564
Mo	Joseph Giordano	817 Gerald Ave, St. Louis 35, Mo	JA1-8725
NJ	Jack W McCoy	300 Broadway, Camden 3, NJ	WO6-1800
NM	Bowen & Carlberg	2228-A San Mateo Blvd, Albuquerque,	AL5-4603
NY	Carse Electric Corp	P.O.Box 4127, Patroon Sta, Albany 4, NY	2-5364
NY	The Robert Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	C L Martin Sales Corp	103 Pickwick Rd, De Witt, NY	GI6-2540
NY	S Wimple Associates Inc	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
NC	Cartwright & Bean	625 Hanwyn Dr, Charlotte 5, NC	FR6-8648
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Ohio	R O Whitesell & Associates	2209 Losantiville, (GLF M), Cincinnati,	ME1-9210
Ohio	R O Whitesell & Associates	2600 Far Hills Ave, Dayton, Ohio	AX8-4261
Okla	John W Elder Co	P.O. Box 3395, Tulsa 8, Okla	DI3-9149
Okla	John W Elder Co	1809 W. Main St, Oklahoma City, Okla	CE2-5365
Pa	Bell & Whitaker Inc	3623 Jacksonvald Ave, Reading, Pa	FR5-6837
Pa	Bell & Whitaker Inc	504 Hickory St, Bethlehem, Pa	UN6-4424
Pa	Scott & Steffin Inc	507 Liberty St, Pittsburgh 22, Pa	GR1-5233
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis 4, Tenn	BR5-1914
Tex	John B Guenther	4533 N. Central Expwy, Dallas 75, Tex	LA8-6286
Utah	R G Bowen Co., Inc	5175 S. 4660 West, Kearns 18, Utah	CY8-5533
Va	Potomac Electronics Inc	1025 N. Royal St, Alexandria, Va	TE6-8666
Wash	Fred H Haught Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Wisc	E A Dickinson & Associates	4117 N. Green Bay Ave, Milwaukee 9,	CO4-1080
Foreign	AMF-Intl Group	261 Madison Ave, New York 16, NY	MU7-3100
	POTTER CO., THE	**1950 Sheridan Rd, North Chicago, Ill**	**DE6-4350**
Cal	Wes Alderson Co	3050 Overland Ave, Los Angeles 34, Cal	TE0-1030
Conn	Paul R Sturgeon Inc	189 Broad St, Milford, Conn	TR4-6080
Fla	R F Willett	1837 Oak Lake Dr, Clearwater, Fla	
Fla	William F Hemminger	624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ill	G McL Cole Co	6514 W. Higgins Rd, Chicago 31, Ill	SP4-3535
Ind	Armin Leich	5860 Norwalko Ave, Indianapolis 20, Ind	
Ind	Robert T Mathews	1127 Wells St, Ft. Wayne, Ind	EA3917
Mass	Paul R Sturgeon Inc	25 Huntington Ave, Boston, Mass	CO6-7705
Md	Richard T Mathias	7240 Wisconsin Ave, Bethesda, Md	OL6-3371
Md	S W Goodman	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Minn	Mel Foster Co	2402 Hennepin Ave, Minneapolis 5, Minn	FR4-2612
Miss	A C Sample	125 N. Cleveland Ave, Brookhaven, Miss	
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NJ	Edwin F Alber	64 Union Ave, Irvington 11, NJ	ES5-7458
NM	Associated Engineers	P.O. Box 701, Albuquerque, NM	DI4-6671
NY	A W Schmitz	82 St. Paul St, Rochester, NY	HA6-3090
NY	W R Punt Co	160 Woodbine Ct, Floral Park, NY	FL2-1742
Ohio	Carl Thoene	179 Franklin St, Chagrin Falls, Ohio	CH7-6909
Pa	Herbach & Rademan Inc	1204 Arch St, Philadelphia 7, Pa	LO7-4309
Tex	Associated Engineers	511 Hawkins Rd, El Paso, Tex	PR2-3233
Tex	Jacobson Co	P.O. Box 9702, Dallas 14, Tex	
Tex	Southern Industrial Electronics Inc	P.O. Box 9814, Dallas 14, Tex	FL2-3901
Wash	M K Widdekind Co	222 First Ave, N., Seattle 9, Wash	AT4-4859
	POTTER INSTRUMENT CO., INC	**Sunnyside Blvd, Plainview, NY**	**OV1-3200**
Ala	DBM Research Corp	Atlantic Ave, Cocoa Beach, Fla	SU3-2438
Ariz	H W Ruby & Associates	P.O. Box 63, LaCanada, Cal	SY0-3153
Ark	D B Carey Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Cal	H W Ruby & Associates	P.O. Box 63, LaCanada, Cal	SY0-3153
Conn	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Del	Wild & Associates Inc	P.O. Box 95, Southampton, Pa	LO8-7078
DC	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Fla	DBM Research Corp	Atlantic Ave, Cocoa Beach, Fla	SU3-2438
Ga	DBM Research Corp	Atlantic Ave, Cocoa Beach, Fla	SU3-2438
Idaho	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Ill	Walter F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ind	Walter F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Iowa	Walter F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
La	D B Carey Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Me	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Md	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Mass	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16,	WE9-6727
Nev	H W Ruby & Associates Inc	P.O. Box 63, LaCanada, Cal	SY0-3153
NH	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
NJ	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NM	H W Ruby & Associates Inc	P.O. Box 63, LaCanada, Cal	SY0-3153
NY	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Okla	D B Carey Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Pa	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Pa	Wild & Associates Inc	P.O. Box 95, Southampton, Pa	LO8-7078
RI	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16, Minn	WE9-6727
Tenn	DBM Research Corp	Atlantic Ave, Cocoa Beach, Fla	SU3-2438
Tex	D B Carey Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Utah	H W Ruby & Associates Inc	P.O. Box 63, LaCanada, Cal	SY0-3153
Vt	Bordewieck Engineering Sales Co	221 Grove St, Boston 85, Mass	VI3-0845
Va	Wild & Associates Inc	2523 Wilson Blvd, Arlington, Va	JA4-2274
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
W. Va	Harvey Teplitz & Co	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Wisc	Walter F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Canada	Instronics Ltd	21 Benleight St, Scarboro, Ontario, Canada	AX3-7806
Canada	Instronics Ltd	11 Spruce St, Stittsville, Ontario, Canada	
Foreign	Frathom Co	33 W. 42nd St, New York 36, NY	BR9-9422
	POUGHKEEPSIE COIL CO., INC	**24 Charlotte St, Binghamton, NY**	
	POWELL CO., HAROLD H	**2102 Market St, Philadelphia, Pa**	**LO4-1440**
	POWER DESIGNS INC	**1700 Shames Dr, Westbury, NY**	**ED3-6200**
Cal	Paul Nurches Co	3604 E. Foothill Blvd, Pasadena, Cal	
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	
NY	John B Lightstone	515 Comstock Ave, Syracuse, NY	
NY	Q E D Electronic Sales	9 Elm Ave, Mt. Vernon, NY	MO8-3100
Pa	S & S Associates	P.O. Box 6, King of Prussia, Pa	BR9-7192
	POWER EQUIPMENT CO	**Portland Way N., Galion, Ohio**	**HO8-3520**
	POWER INDUSTRIES CO	**2655 W. 19th St, Chicago 16, Ill**	**FR6-7555**
	POWER SOURCES INC	**South Ave, Burlington, Mass**	**BR3-3610**
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
Ariz	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
Ark	P J Scanlon Co	1704 Crawford St, Houston 2, Tex	FA3-1753
Ark	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Cal	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4644
Conn	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
Del	Danco Corp	Fairview Village, Pa	CH8-1619
DC	Robert M Mathias	1507 M St, N.W., Washington 5, DC	CO5-3080
Fla	W Ben Wimberly Co	532 S. Ft. Harrison, Clearwater, Fla	CL3-7072
Fla	W Ben Wimberly Co	203 N. Lucerne Circle, Orlando, Fla	GA5-3083
Ga	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
Idaho	Paramount Technical Agencies	9210 28th Ave, N.W., Seattle, Wash	SU4-6447
Ill	Gassner & Clark Co	6644 N. Western, Chicago 45, Ill	RO4-6121
Ind	Gassner & Clark Co	6644 N. Western, Chicago 45, Ill	RO4-6121
Iowa	Gassner & Clark Co	6644 N. Western, Chicago 45, Ill	RO4-6121
Kan	E W McGrade	Box 8876, Kansas City, Mo	HE2-6477
Ky	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-6676
Ky	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ky	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
La	P J Scanlon Co	1704 Crawford St, Houston 2, Tex	FA3-1753
La	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Me	DeVeere Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Md	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Mass	DeVeere Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Mich	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Mich	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
Mo	E W McGrade	Box 8876, Kansas City, Mo	RA2-0758
Mont	Paramount Technical Agencies	9210 28th Ave, N.W., Seattle, Wash	SU4-6447
Neb	E W McGrade	Box 8876, Kansas City, Mo	RA2-0758
Nev	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-7951
NH	DeVeere Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
NJ	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NJ	Danco Corp	Fairview Village, Pa	CH8-1619
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NY	V J Huntoon Co	908 Belmont Ave, Springfield, Mass	ST8-8516
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
ND	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Ohio	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Okla	P J Scanlon Co	1704 Crawford St, Houston 2, Tex	FA3-1753
Okla	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Ore	Paramount Technical Agencies	9210 28th Ave, N.W., Seattle, Wash	SU4-6447

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Danco Corp.	Fairview Village, Pa	CH6-1619
Pa	Harvey Teplitz & Co.	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
Pa	Harvey Teplitz & Co.	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
Pa	Harvey Teplitz & Co.	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
RI	DeVeere Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
SC	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
SD	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Tenn	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala	FA4-1615
Tex	P J Scanlon Co	1704 Crawford St, Houston 2, Tex	FA3-1753
Tex	P J Scanlon Co	2608 Inwood Rd, Dallas 35, Tex	FL1-9991
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Vt	DeVeere Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Va	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Wash	Paramount Technical Agencies	9210 28th Ave, N.W., Seattle, Wash	SU4-6447
W. Va	Harvey Teplitz & Co.	3543 Cornell Dr, Dayton 6, Ohio	CR7-9178
W. Va	Harvey Teplitz & Co.	671 Sycamore Dr, Cleveland 32, Ohio	RE1-5676
W. Va	Harvey Teplitz & Co.	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Foreign	Microwave Intnl Corp	36 W. 44th St, New York 36, NY	YU6-2738
Foreign	Visual Electronics Corp	356 W. 40th St, New York 18, NY	PE6-6840

	POWER SUPPLIES INC	**1007 Olive St, Highland, Ill**	**2139**
Ala	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Ariz	Airsupply-Aero Engineering Co	9815 Wilshire Blvd, Beverly Hills, Cal	BR2-8111
Ark	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Cal	Airsupply-Aero Engineering Co	9815 Wilshire Blvd, Beverly Hills, Cal	BR2-8111
Cal	Airsupply-Aero Engineering Co	Box 6296, Point Loma Sta, San Diego	CY8-1121
Cal	Airsupply-Aero Engineering Co	207 Town & Country Village, Palo Alto	DA6-4186
Colo	Airsupply-Aero Engineering Co	3111 S. Broadway, Englewood, Colo	SU9-0591
Conn	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
Del	Airsupply-Aero Engineering Co	1510 Russell Rd, Paoli, Penn	NI4-1450
DC	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore 12, Md	VA3-4101
Fla	Airsupply-Aero Engineering Co	205-D W. Fairbanks, Winter Park, Fla	MI7-2947
Ga	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Idaho	Airsupply-Aero Engineering Co	3111 S. Broadway, Englewood, Colo	SU9-0591
Ill	Sam Tollaksen	304 S. Halstead, Chicago, Ill	CE6-2964
Ind	Airsupply-Aero Engineering Co	3440 N. Meridian St, Indpls 8, Ind	WA5-3528
Iowa	Airsupply-Aero Engineering Co	5407 Excelsior Blvd, Minnpls 16, Minn	WA2-0848
Kan	Airsupply-Aero Engineering Co	612 S. Oliver, Wichita, Kan	MU3-7518
Ky	Airsupply-Aero Engineering Co	3440 N. Meridian St, Indpls 8, Ind	WA5-3528
La	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Me	Airsupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW5-9165
Md	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore 12, Md	VA3-4101
Mass	Airsupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW4-9165
Mich	Airsupply-Aero Engineering Co	15800 W. McNichols Rd, Detroit, Mich	BR3-7238
Minn	Airsupply-Aero Engineering Co	5407 Excelsior Blvd, Minneapolis, Minn	WA2-0848
Miss	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Mo	Airsupply-Aero Engineering Co	Box 6247, Lambert Field, St. Louis 21	PE1-6500
Mont	Airsupply-Aero Engineering Co	5407 Excelsior Blvd, Minnpls 16, Minn	WA2-0848
Neb	Airsupply-Aero Engineering Co	612 S. Oliver, Wichita, Kan	MU3-7518
Nev	Airsupply-Aero Engineering Co	Town & Country Village, Palo Alto, Cal	DA6-4186
NH	Airsupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW4-9165
NJ	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
NM	Airsupply-Aero Engineering Co	3111 S. Broadway, Englewood, Colo	SU9-0591
NY	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
NY	Airsupply-Aero Engineering Co	2360 James St, Syracuse 6, NY	HO3-8531
NC	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
ND	Airsupply-Aero Engineering Co	5407 Excelsior Blvd, Minnpls 16, Minn	WA2-0848
Ohio	Airsupply-Aero Engineering Co	333 W. 1st St, Dayton, Ohio	BA4-0728
Ohio	Airsupply-Aero Engineering Co	911 S. James Rd, Columbus 13, Ohio	BE1-2758
Okla	Airsupply-Aero Engineering Co	612 S. Oliver, Wichita, Kan	MU3-7518
Ore	Airsupply-Aero Engineering Co	10633 N.E. 8th St, Bellevue, Wash	GI4-7922
Pa	Airsupply-Aero Engineering Co	1510 Russell Rd, Paoli, Pa	NI4-1450
RI	Airsupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW4-9165
SC	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
SD	Airsupply-Aero Engineering Co	5407 Excelsior Blvd, Minnpls 17, Minn	WA2-0848
Tenn	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Tex	Airsupply-Aero Engineering Co	1209 Lake St, Ft. Worth, Tex	ED5-4541
Utah	Airsupply-Aero Engineering Co	3111 S. Broadway, Englewood, Colo	SU9-0591
Vt	Airsupply-Aero Engineering Co	2360 James St, Syracuse, NY	HO3-8531
Va	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore 12, Md	VA3-4101
Wash	Airsupply-Aero Engineering Co	10633 N.E. 8th St, Bellevue, Wash	GI4-7922
W. Va	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore 12, Md	VA3-4101
Wisc	G K Tollaksen	610 Main, Racine, Wisc	ME2-2345
Wyo	Airsupply-Aero Engineering Co	3111 S. Broadway, Englewood, Colo	SU9-0591

	POWERS CO., J J	**818 N. 22nd Ave, Melrose Park, Ill**	**FI5-3500**
	PRATT & WHITNEY CO., INC	**Charter Oak Blvd, W. Hartford 1, Conn**	**AD3-7561**
	PRECISE MEASUREMENTS CO	**RD 1, Millbrooks, Flemington, NJ**	**ST2-3000**
	PRECISION APPARATUS CO., INC	**70-31 84th St, Glendale 27, LI, NY**	**DA6-3982**
Ala	Morris F Taylor Co	2396 Connally Dr, E. Point, Ga	
Alaska	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
Ariz	E E Strassner Co	1865 N. Western Ave, Los Angeles 27, Cal	
Ark	L R Massey	304 E. Jefferson St, Greenwood, Miss	
Cal	Logan Sales Co	154 8th St, San Francisco 3, Cal	
Cal	E E Strassner Co	1865 N. Western Ave, Los Angeles, Cal	
Colo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Conn	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
Del	Morris F Taylor Co	275 Bryn Mawr Ave, Lansdowne, Pa	
DC	Morris F Taylor Co	3601 Adams Dr, Silver Spring, Md	
Fla	Morris F Taylor Co	940 Lake Elbert Dr, Winter Haven, Fla	
Fla	Morris F Taylor Co	4304 Corona St, Tampa 9, Fla	
Ga	Morris F Taylor Co	2396 Connally Dr, E. Point, Ga	
Idaho	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
Ill	Fellersen Associates	5841 W. Montrose Ave, Chicago 34, Ill	
Ind	J Clancy & Co., Inc	P.O. Box 269, Angola, Ind	
Iowa	McDowell-Redlingshafer Sales	1103 E. Armour, Kansas City, Mo	
Kan	McDowell-Redlingshafer Sales	1103 E. Armour, Kansas City, Mo	
Ky	J Clancy & Co., Inc	P.O. Box 269, Angola, Ind	
Ky	J Clancy & Co., Inc	5436 Youngridge Dr, Pittsburgh 36, Pa	
La	H Lieberman	532 Fidelity Union Life Bldg, Dallas 1, Tex	
Me	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
Md	Morris F Taylor Co	3601 Adams Dr, Silver Spring, Md	
Mass	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
Mich	Jack M Thorpe	640 Hidden Lane, Detroit 36, Mich	
Minn	Fellersen Associates	5841 W. Montrose Ave, Chicago 34, Ill	
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Mo	McDowell-Redlingshafer Sales	1103 E. Armour, Kansas City, Mo	
Mont	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
Mont	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Neb	McDowell-Redlingshafer Sales	1103 E. Armour, Kansas City, Mo	
Neb	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Nev	E E Strassner Co	1865 N. Western Ave, Los Angeles 27, Cal	
Nev	Logan Sales Co	154 8th St, San Francisco, Cal	
NH	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
NJ	Morris F Taylor Co	275 Bryn Mawr Ave, Lansdowne, Pa	
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY	
NM	Nelson Co (Except Gov't)	710 E. Louisiana Ave, Denver 10, Colo	
NM	E E Strassner Co	1865 N. Western Ave, Los Angeles 27, Cal	
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	
NY	Marsey Sales Co	529 Merchants Rd, Rochester 9, NY	
NC	Morris F Taylor Co	1224 Dresden Dr, W. Charlotte 5, NC	
ND	Fellersen Associates	5841 W. Montrose Ave, Chicago 34, Ill	
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	
Ohio	Morris F Taylor Co	5436 Youngridge Dr, Pittsburgh 36, Pa	
Okla	H Lieberman	532 Fidelity Union Life Bldg, Dallas 1, Tex	
Ore	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
Pa	Morris F Taylor Co	275 Bryn Mawr Ave, Lansdowne, Pa	
Pa	Morris F Taylor Co	534 Ellen St, Hellertown, Pa	
Pa	Morris F Taylor Co	5436 Youngridge Dr, Pittsburgh 36, Pa	
RI	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
SC	Morris F Taylor Co	1224 Dresden Dr, W. Charlotte 5, NC	
SD	Fellersen Associates	5841 W. Montrose Ave, Chicago 34, Ill	
Tenn	Morris F Taylor Co	2396 Connally Dr, E. Point, Ga	
Tenn	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	
Tex	H Lieberman Co	532 Fidelity Union Life Bldg, Dallas 1, Tex	
Tex	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Utah	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Vt	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	
Va	Morris F Taylor Co	3601 Adams Dr, Silver Spring, Md	
Wash	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
W. Va	Morris F Taylor Co	5436 Youngridge Dr, Pittsburgh 36, Pa	
Wisc	Fellersen Associates	5841 W. Montrose Ave, Chicago 34, Ill	
Wyo	Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto 19, Canada	
Foreign	Morran Exporting Corp	458 Broadway, New York 13, NY	
	PRECISION CIRCUITS INC	**85 Weyman Ave, New Rochelle, NY**	
	PRECISION CONNECTORS INC	**165 E. 2nd St, Mineola, NY**	**PI7-4420**
NJ	Jack Onore	5555 Winchester Ave, Union, NJ	EL5-0474
NY	J A De Luca	Holtsville, NY	HC6-8412
NY	H A F Associates	330 E. 70th St, New York 21, NY	RE7-1330
NY	Hecht Electronics	Roslyn, NY	WA1-5462
Pa	W R Griffin Co	Rotelle Bldg, Spring House, Pa	MI6-8383
Wisc	E A Dickenson	4117 N. Greenbay Ave, Milwaukee, Wisc	CO4-1080
	PRECISION CRYSTAL LAB	**2223 Warwick Ave, Santa Monica, Cal**	**EX4-7004**
	PRECISION ELECTRONICS CO	**427 Plain St, Marshfield, Mass**	**TE4-6677**
Me	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
Conn	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
Mass	W M Hague Co	P.O. Box 89, Carlisle, Mass	VO2-8717
NH	W M Hague Co	P.O. Box 87, Carlisle, Mass	VO2-8717
	PRECISION ELECTRONIC COMPONENTS LTD	**50 Wingold Ave, Toronto 19, Ontario, Canada**	**RU1-6174**
	PRECISION ELECTRONICS INC	**48 Merrick Rd, Rockville Centre, NY**	
	PRECISION ELECTRONICS INC	**9101 King St, Franklin Park, Ill**	**NA5-7450**
Ala	Al S Engelman Co	3205 Crump Ave, Memphis 12, Tenn	
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	
Ark	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	
Cal	Herb Sorensen	1465 Bayshore, San Francisco, Cal	
Cal	Simonite-Lewis & Assoc	10636 Burbank Blvd, N. Hollywood, Cal	
Conn	Robert Smith	59 Verndale St, Brookline, Mass	
Del	Brendan O'Hara	5040 City Line Rd, Philadelphia, Pa	
DC	Brednan O'Hara	5040 City Line Rd, Philadelphia, Pa	
Fla	Gus Jose	2057 N.E. 173rd St, N. Miami Beach, Fla	
Ga	John Butters	4924 Oleander Dr, Wilmington, NC	
Ill	Gettleman & Litteken	5209 N. Kimball Ave, Chicago, Ill	
Ind	Fishman Associates	1836 Nuttingham Dr, Indianapolis	
Iowa	W E Frv & Co., Inc	406 W. 34th St, Kansas City, Mo	
Kan	W E Frv & Co., Inc	406 W. 34th St, Kansas City, Mo	
Ky	Fishman Associates	1836 Nuttingham, Indianapolis, Ind	
La	Jack F McKinney Sales Co	1303 Chemical St, Dallas, Tex	
Me	Robert Smith	59 Berndale St, Brookline, Mass	
Md	Brendan O'Hara	5040 City Line Rd, Philadelphia, Pa	
Mass	Robert Smith	59 Berndale St, Brookline, Mass	
Mich	Burcan-Cowan & Co	22128 Grand River Ave, Detroit, Mich	
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Miss	Jack F McKinney Sales Co	1303 Chemical St, Dallas, Tex	
Mo	W E Frv & Co., Inc	406 W. 34th St, Kansas City, Mo	
Neb	W E Frv & Co., Inc	406 W. 34th St, Kansas City, Mo	
Nev	Herb Solmsen	1465 Bayshore Blvd, San Francisco, Cal	
NH	Robert Smith	59 Verndale St, Brookline, Mass	
NJ	Robert Bach	26 Mahan Rd, Old Bethpage, NY	
NM	Verne Linsley	2902 W. Villa St, Phoenix, Ariz	
NY	Robert Bach	26 Mahan Rd, Old Bethpage, NY	
NC	John Butters	4924 Oleander Dr, Wilmington, NC	
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Ohio	James M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	
Okla	Jack F McKinney Sales Co	1303 Chemical St, Dallas, Tex	
Pa	Brendan O'Hara	5040 City Line Rd, Philadelphia, Pa	
RI	Robert Smith	59 Berndale St, Brookline, Mass	
SC	John Butters	4924 Oleander Dr, Wilmington, NC	
SD	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Tenn	Al S Engelman	3205 Crump Ave, Memphis, Tenn	
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas, Tex	
Vt	Robert Smith	59 Berndale St, Brookline, Mass	
Va	John Butters	4924 Oleander Dr, Wilmington, NC	
Wash	James M Landfear Co	12429 Cedar Rd, Cleveland, Ohio	
Wisc	Gettleman & Litteken	5209 N. Kimball Ave, Chicago, Ill	
Foreign	E D Magnus & Assoc Inc	188 W. Randolph St, Chicago, Ill	
	PRECISION ELECTROPLATING CO	**519 S.Oakley Blvd, Chicago 12, Ill**	**SE3-5855**
Ind	James Anderson	3917 N. Denwood Dr, Indianapolis, Ind	LI6-8075
Mo	R F Decker Co	909 N. Kirkwood Rd, Kirkwood 22, Mo	YO5-7248
	PRECISION ENGRAVING CO	**13 Ridgedale Ave, Mesover, NJ**	**TU7-3350**
	PRECISION INC	**4748 France Ave, N., Minneapolis, Minn**	**JU8-9441**
Ala	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	
Cal	Muhlin & Co	3843 E. Colorado Blvd, Pasadena, Cal	
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Ill	Charles Rossi Sales Co	2429 N. 73rd Ave, Chicago 25, Ill	
NC	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	
SC	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	
Tenn	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	
Wisc	Charles Rossi Sales Co	2429 N. 73rd Ave, N., Chicago 25, Ill	
	PRECISION INSTRUMENT CORP	**1011 Commercial St, San Carlos, Cal**	**LY1-4441**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	V T Rupp Co	3445 Fifth Ave, San Diego 3, Cal	CY8-9835
Ark	Southwestern Eng & Equipment Co	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Cal	R L Pfliegar Co	1652 Laurel St, San Carlos, Cal	LY1-0395
Cal	V T Rupp Co	307 Parkman Ave, Los Angeles 26, Cal	DU7-8224
Colo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Del	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2152 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Rush S Drake Associates Inc	P.O.Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering Co	6055 N. College Ave, Indianapolis 20, Ind	CL3-0444
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Ky	Electro Sales Associates	Dabel Sta Box 143, Dayton 20, Ohio	CH4-5551
La	Southwestern Eng & Equipment Co	4101 San Jacinto Ave, Houston, Tex	JA8-7954
Me	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI6-2922
Md	Gawler-Knoop Co	807 E. Semmary Ave, Towson 4, Md	VA5-3151
Mass	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI6-2922
Mich	Electro Sales Associates	36500 Weidmann Rd, Mt. Clemens, Mich	HO8-2461
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	Scientific Sales Engineering	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mont	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Neb	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Nev	R L Pfliegar Co	1652 Laurel St, San Carlos, Cal	LY1-0395
NH	Instrument Associates	30 Park Ave, Arlington 74, Mass	MI6-2922
NJ	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NM	V T Rupp Co	1437 San Mateo, N.E., Albuquerque, NM	AL5-0798
NY	S B M Associates Inc	969 Clinton Ave, S., Rochester 20, NJ	GR3-6506
NY	S B M Associates Inc	9 Highland Ave, Albany 5, NY	HE6-5381
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Ohio	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Ohio	Electro Sales Associates	Dabel Sta Box 143, Dayton 20, Ohio	CH4-5557
Okla	Southwestern Eng & Equipment Co	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Ore	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	Electro Sales Associates	281 E. 216th St, Cleveland 23, Ohio	RE2-7444
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
RI	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tex	Southwestern Eng & Equipment Co	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Utah	Williams & Associates Inc	320 E. 4th S., Salt Lake City 11, Utah	EM4-6844
Vt	Instrument Associates	734 Asylum Ave, Hartford 5, Conn	CH6-5686
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
W. Va	Electro Sales Associates	Dabel Sta Box 143, Dayton 20, Ohio	CH4-5551
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Wyo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Foreign	B & K Laboratories	4 Tilney St, London W. 1, England	GR4567
Foreign	Fabrications Radio Elec Ind	13 Rue Duc, Paris 18e, France	ORN70-10
Foreign	C N Rood, N V	Box 4042, Rijswijk (Z H), Holland	
Foreign	Beltram Electronics	43 Ch de Charleroi, Brussels 6, Belgium	38.12.40
	PRECISION LINE INC	**63 Main St, Maynard, Mass**	**TW7-2451**
Cal	Arthur L Bolton Co	1161 Baylauret Dr, Menlo Park, Cal	DA1-4332
Conn	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Del	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
DC	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Fla	Mark Electronic Sales	P.O.Box 291, N. Miami 61, Fla	WI7-5080
Ill	Nero Electronic Sales	3516 Elmwood St, Wilmette, Ill	AL6-1045
Ind	Nero Electronic Sales	3516 Elmwood St, Wilmette, Ill	AL6-1045
Iowa	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corners, Wisc	GA5-6919
Me	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Md	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Mich	Edmund C Frost	1545 Chelmsford Rd, Mayfield Hgts, Ohio	HI2-9040
Minn	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corners, Wisc	GA5-6919
NH	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
NJ	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
NJ	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
NY	Albert Clarfield	90 Roberts Pl, Roosevelt, NY	PL7-6454
Ohio	Edmund C Frost	1545 Chelmsford Rd, Mayfield Hgts, Ohio	HI2-9040
Pa	Edmund C Frost	1545 Chelmsford Rd, Mayfield Hgts, Ohio	HI2-9040
Pa	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
RI	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Vt	Raytronics Co	2 Garden Rd, Marblehead, Mass	NE1-1857
Va	Thomas Eader & Associates	1844 Edgewood Rd, Baltimore 4, Md	VA5-1130
Wisc	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corners, Wisc	GA5-6919
	PRECISION MECHANISMS CORP	**577 Newbridge Ave, E. Meadow, NY**	**IV3-8955**
Cal	Components Sales	4526 Van Nuys Blvd, Sherman Oaks, Cal	ST8-4550
NY	Components Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	SC5-1050
	PRECISION METAL PRODUCTS CO OF MALDEN	**41 Elm St, Stoneham, Mass**	
Ala	William R Lehmann Co	108 Hillcrest Ave, Orlando, Fla	GA2-9848
Ariz	Cox Sales Co	51 Ogden St, Denver 18, Colo	PE3-6772
Ark	Ammon & Woods Associates	5604 E. Mockingbird Ln, Dallas, Tex	TA3-1191
Cal	Elmec Sales Inc	1921 University Ave, Palo Alto, Cal	DA1-2430
Cal	C W Saxon & Associates	1409-B W Alameda, Burbank, Cal	THS-7500
Colo	Cox Sales Co	51 Ogden St, Denver 18, Colo	PE3-6772
Conn	Sales Engineering Co	Sugar Ln, Newton, Conn	GA6-2664
Del	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
DC	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Fla	William R Lehmann Co	108 Hillcrest Ave, Orlando, Fla	GA2-9848
Ga	William R Lehmann Co	108 Hillcrest Ave, Orlando, Fla	GA2-9848
Idaho	Myron K Smith	9300 N.E. Twelfth St, Bellevue, Wash	GL4-9400
Ill	Theodore B Lowell	Normandy Branch, St. Louis 21, Mo	HE2-4560
Ill	Engineered Sales Co	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Ind	Burton F Hoessler	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Iowa	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Kan	Theodore B Lowell	Normandy Branch, St. Louis 21, Mo	HE2-4560
Ky	Burton F Hoessler	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Ky	Neal Bear Corp	3435 Streetsboro Rd, West Richfield, Ohio	OL9-3331
La	Ammon & Woods Associates	5604 E. Mockingbird Ln, Dallas, Tex	TA3-1191
Me	Sales Engineering	Sugar Ln, Newtown, Conn	GA6-2664
Md	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	CA7-0305
Mich	R C Nordstrom	580 N. Woodward Ave, Birmingham, Mich	JO4-6129
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 6, Minn	FR7-3025
Miss	Myers Associates	2121 Euclid Ave, Bristol, Va-Tenn	NO9-6567
Mo	Theodore B Lowell	Normandy Branch, St. Louis 21, Mo	HE2-4560
Mont	Myron K Smith	9300 N.E. Twelfth St, Bellevue, Wash	GL4-9400
NH	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-2664
NJ	Gus Eichelhardt	64 Mountain Ave, Chatham, NJ	ME5-7237
NJ	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
NM	Cox Sales Co	51 Ogden St, Denver 18, Colo	PE3-6772
NY	Gus Eichelhardt	64 Mountain Ave, Chatham, NJ	ME5-7237
NY	Robert P Kennedy Co	182 Mayflower Dr, Rochester 18, NY	BR1-6322
NC	Myers Associates	2121 Euclid Ave, Bristol, Va-Tenn	NO9-6567
ND	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 6, Minn	FR7-3025
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Okla	Ammon & Woods Associates	5604 E. Mockingbird Ln, Dallas, Tex	TA3-1191
Ore	Myron K Smith	9300 N.E. Twelfth St, Bellevue, Wash	GL4-9400
Pa	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Pa	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
RI	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-2664
SC	Myers Associates	2121 Euclid Ave, Bristol, Va-Tenn	NO9-6567
SD	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 6, Minn	FR7-3025
Tenn	Myers Associates	2121 Euclid Ave, Bristol, Va-Tenn	NO9-6567
Tex	Ammon & Woods Associates	5604 E. Mockingbird Ln, Dallas, Tex	TA3-1191
Tex	Cox Sales Co	51 Ogden St, Denver, Colo	PE3-6772
Utah	Cox Sales Co	51 Ogden St, Denver, Colo	PE3-6772
Vt	Sales Engineering Co	Sugar Ln, Newtown, Conn	GA6-2664
Va	Myers Associates	2121 Euclid Ave, Bristol, Va-Tenn	NO9-6567
Wash	Myron K Smith	9300 N.E. Twelfth St, Bellevue, Wash	GL4-9400
W. Va	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Wisc	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Wyo	Cox Sales Co	51 Ogden St, Denver 18, Colo	PE3-6772
	PRECISION METALSMITHS INC	**1081 E. 200 St, Cleveland 17, Ohio**	**IV1-8900**
	PRECISION MICROWAVE CORP	**Main St, Millis, Mass**	**DA6-3656**
	PRECISION PAPER TUBE CO	**2041 W. Charleston St, Chicago 47, Ill**	**AR6-5200**
Ariz	Hugh C Aikin	304 Aldenville Ave, Covina, Cal	ED2-4693
Cal	Hugh C Aikin	304 Aldenville Ave, Covina, Cal	ED2-4693
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Del	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
DC	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
Ind	Henry C Shoop	124 5th St, Logansport, Ind	2555
Me	Walter S Peterson	12 Overbrook Terrace, Natick, Mass	OL3-3855
Md	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
Mass	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Mo	Frank W Tanler	9087 Clayton Rd, St. Louis 23, Mo	VI3-9080
Neb	Electrical Specialty Co	2026 Arapahoe St, Denver, Colo	CH4-4588
NH	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
NJ	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
NY	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
NY	R P Kennedy	182 Mayflower Dr, Rochester, NY	BR1-6322
Ore	Hugh C Aikin	304 Aldenville Ave, Covina, Cal	ED2-4693
Pa	H William Baver	234 Terrace Ave, Jersey City, NJ	SW5-2480
RI	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Tex	Hugh C Aikin	304 Aldenville Ave, Covina, Cal	ED2-4693
Vt	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Wash	Hugh C Aikin	304 Aldenville Ave, Covina, Cal	ED2-4693

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	PRECISION PRODUCTS CO., INC OF WALTHAM	**26 Bedford St, Waltham 54, Mass**	
	PRECISION PRODUCTS DEPT NORTRONICS DIV NORTHROP CORP	**100 Morse St, Norwood, Mass**	**NO7-5300**
Cal	D H Van Steenwyck	2486 Huntington Dr, San Marino, Cal	AT7-0461
NJ	G W Boehm	Hwy 46, Teterboro, NJ	AT8-1750
	PRECISION RADIATION INSTRUMENTS	**5810 S. Normandie, Los Angeles, Cal**	**PL3-3501**
Hawaii	Sales Engineering Assoc Inc	1377 Colburn, Honolulu 17, Hawaii	
Foreign	Terminal Radio International Ltd	135 Liberty St, New York 6, NY	WO4-3311
	PRECISION RESISTOR CO., INC	**109 US Hwy 22, Hillside, NJ**	**BI3-3809**
	PRECISION SCIENTIFIC CO	**3737 W. Cortland, Chicago 47, Ill**	**CA7-2660**
Ala	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Ariz	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Ark	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Cal	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Colo	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Conn	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
Del	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
DC	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Fla	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Ga	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Idaho	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
La	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Me	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
Md	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Mass	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
Mich	J E Corrigan	12417 Cedar Rd, Cleveland 6, Ohio	FA1-2772
Miss	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Mont	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Nev	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
NH	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
NJ	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
NJ	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
NM	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
NY	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
NC	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Ohio	J E Corrigan	12417 Cedar Rd, Cleveland 6, Ohio	FA1-2772
Okla	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Ore	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Pa	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Pa	J E Corrigan	12417 Cedar Rd, Cleveland 5, Ohio	FA1-2772
RI	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
SC	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Tex	R G Mullins	4101 San Jacinto St, Houston 4, Tex	JA4-2386
Utah	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
Vt	W G Kells	2000 Morris Ave, Union, NJ	MU6-9392
Va	W H Dickson	211 Ford Rd, Bala Cynwyd, Pa	MO4-7526
Wash	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
W. Va	J E Corrigan	12417 Cedar Rd, Cleveland 6, Ohio	FA1-2772
Wyo	M M Swartz	9 1st St, San Francisco 5, Cal	EX7-5661
	PRECISION SPECIALTIES INC	**Deisee Dr, Pitman, NJ**	**LU9-0815**
Cal	Wesrep Corp	2022 S. Sepulveda Blvd, Los Angeles	BR2-3757
Conn	Arthur H Menkin	43 Theadore Framd Ave, Rye, NY	WO7-5065
Del	Charles E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
DC	Charles E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Ill	Motion Control Co	917 Chestnut Ave, Wilmette, Ill	AL1-3396
Md	Charles E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Mass	Arthur H Menkin	43 Theadore Framd Ave, Rye, NY	WO7-5065
Mich	Motion Control Co	917 Chestnut Ave, Wilmette, Ill	AL1-3396
Mo	Precision Specialties Inc	1342 E. 58th St, Kansas City, Mo	EM1-1619
NJ	N Arthur N Menkin	43 Theadore Framd, Rye, NY	WO7-5065
NY	Arthur H Menkin	43 Theadore Framd, Rye, NY	WO7-5065
Pa	E Charles E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Va	Charles E Babcock Co	430 Huntington Dr, Wayne, Pa	MU8-8288
Wash	Wesrep Corp	2022 S. Sepulveda Blvd, Los Angeles	BR2-3757
Wisc	Motion Control Co	917 Chestnut Ave, Wilmette, Ill	AL1-3396
	PRECISION STAMPINGS INC	**142 Fulton Ave, New Hyde Park, NY**	**PI1-4244**
	PRECISION THERMOMETER & INSTRUMENT CO	**1434 Brandywine St, Philadelphia 30, Pa**	**LO3-6671**
Ala	Garrett S Parker Associates	P.O. Box 11675, Atlanta 5, Ga	CE7-4982
Ariz	Delta Instrument Co	1812 Montana Ave, El Paso, Tex	KE3-0013
Cal	Gene O Pribble Co	3106 W. Beverly Blvd, Montebello, Cal	RA3-8881
Cal	Paul W Beggs & Son	314 7th St, San Francisco, Cal	UN1-6643
Conn	R S Lee Co., Inc	P.O. Box 73, Newton Highlands 61, Mass	DE2-6787
Del	Precision Thermometer & Inst Co	1434 Brandywine St, Philadelphia St, Pa	LO3-6671
DC	R A Reitz Jr	2301 N. Charles St, Baltimore 18, Md	PR1-4365
Ga	Garrett S Parker Associates	P.O. Box 11675, Atlanta 5, Ga	CE7-4982
Ill	J B McMahon	332 S. Michigan Ave, Chicago 4, Ill	WA2-1848
Ill	Industrial Process Equipment Co	4903 Delmar, St. Louis 8, Mo	FO7-5044
Ind	J B McMahon	332 S. Michigan Ave, Chicago 4, Ill	WA2-1848
Ind	Myers & Henly Inc	Temple Bar Bldg, Cincinnati 2, Ohio	DU1-7783
Iowa	J B McMahon	332 S. Michigan Ave, Chicago 4, Ill	WA2-1848
Ky	Myers & Henly Inc	Temple Bar Bldg, Cincinnati 2, Ohio	DU1-7783
Ky	Process Inst & Equipment Co	P.O. Box 2775, Charleston 30, W. Va	DI2-2151
La	Williams Equipment Co	P.O. Box 35, Metairie, La	VE5-9417
Me	R S Lee Co., Inc	P.O. Box 73, Newton Highlands, Mass	DE2-6787
Md	R A Reitz Jr	2301 N Charles St, Baltimore 18, Md	PR1-4365
Mass	R S Lee Co., Inc	P.O. Box 73, Newton Highlands, Mass	DE2-6787
Mich	Garrett Burgess Inc	P.O. Box 517, N.W. Sta, Detroit 4, Mich	TE4-5770
Minn	R B Whitacre Co	205 S. Robert St, St. Paul 1, Minn	CA4-5755
Miss	Williams Equipment Co	P.O. Box 35, Metairie, La	VE5-9417
Mo	Industrial Process Equipment Co	4903 Delmar, St. Louis 8, Mo	FO7-5044
Nev	Gene O Pribble Co	3106 W. Beverly Blvd, Montebello, Cal	RA3-8881
Nh	R S Lee Co., Inc	P.O. Box 73, Newton Highlands 61, Mass	DE2-6787

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Seco Engineer Sales Co	87-66 150th St, Jamaica, NY	AX7-1139
NJ	Precision Therm & Inst Co	1434 Brandywine St, Philadelphia 30, Pa	LO3-6671
NM	Delta Inst Co	1812 Montana Ave, El Paso, Tex	KE3-0013
NY	William T Conway	292 Quail St, Albany, NY	AL8-8718
NY	M S Jacobs & Associates Inc	1807 Elmwood Ave, Buffalo 7, NY	DE3229
NY	Seco Engineer Sales Co	87-66 150th St, Jamaica, NY	AX7-1134
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	W M Wilson Co	8301 Pearl Rd, Strongsville 36, Ohio	BE4-5415
Ohio	Myers & Henley Inc	427 Temple Bar Bldg, Cincinnati, Ohio	DU1-7783
Ohio	Process Inst & Equipment Co	P.O. Box 2775, Charleston 30, W. Va	DI2-2151
Ore	Martig's Inc	5741 N.E. Glisan St, Portland 13, Ore	BE2-1949
Pa	M S Jacobs Associates Inc	810 Noblestown Rd, Pittsburgh 5, Pa	WA1-6141
RI	R S Lee Co., Inc	P.O. Box 73, Newton Highlands 61, Mass	DE2-6787
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	Tenn Inst Co	P.O. Box 627, Kingsport, Tenn	CH6-8531
Tex	Alpha Engineer Co	P.O. Box 12371, Houston, Tex	MI9-8071
Tex	Hatfield & Co	P.O. Box 7072, Dallas 9, Tex	FL2-8736
Tex	Delta Inst Co	1812 Montana Ave, El Paso, Tex	KE3-0013
Vt	R S Lee Co., Inc	P.O. Box 73, Newton Highlands 61, Mass	DE2-6787
Va	Dave Jewett	110 N. 8th St, Richmond 19, Va	AT2-1150
Wash	Martig's Inc	422 Smith Tower, Seattle 4, Wash	SE3140
W. Va	Process Instru & Equipment Co	P.O. Box 2775, Charleston 30, W. Va	DI2-2151
Wisc	J B McMahon	332 S. Michigan Ave, Chicago 4, Ill	WA2-1848
	PRECISION TUBE CO., INC	**Church Rd & Wissahickon Ave, North Wales, Pa**	**OX9-4806**
Ariz	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Cal	Hundley Co	3282 Fletcher Dr, Los Angeles 65, Cal	CL5-7111
Fla	James A Downey Co	2701 Addison Dr, Doraville, Ga	GL7-7387
Ga	James A Downey Co	2701 Addison Dr, Doraville, Ga	GL7-7387
Idaho	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Ill	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Ill	Dolph Boettler Co	6625 Delmar Blvd, St. Louis 5, Mo	PA1-4607
Ind	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Ind	S E Anning Co	822 Delta Ave, Cincinnati 26, Ohio	EA1-2711
Iowa	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Mich	Michigan Ohio Products Co	18450 Livernois Ave, Detroit 21, Mich	UN2-1788
Minn	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Mo	Dolph Boettler Co	6625 Delmar Blvd, St. Louis 5, Mo	PA1-4607
NC	James A Downey Co	2701 Addison Dr, Doraville, Ga	GL7-7387
Ohio	Frank H Grace & Co	2000 Lee Rd, Cleveland 18, Ohio	MA1-2515
Ohio	S E Anning Co	822 Delta Ave, Cincinnati 26, Ohio	EA1-2711
Ore	Vince E Johnson Co	2614 E. 86th St, Seattle 15, Wash	LA4-4595
SC	James A Downey Co	2701 Addison Dr, Doraville, Ga	GL7-7387
Tex	Max Daggett Jr	P.O. Box 30152, Dallas 30, Tex	EM8-2871
Wash	Vince E Johnson Co	2614 E. 86th St, Seattle 15, Wash	LA4-4595
Wisc	Otto Bussenius & Co	80 E. Jackson Blvd, Chicago 4, Ill	HA7-0080
Canada	Canadian Research Institute	46 St. George St, Toronto 5, Canada	WA3-2455
Foreign	Joseph F Rizzo & Co	350 Fifth Ave, New York, NY	PE6-0398
	PREIS ENGRAVING MACH CO., H P	**651 US Hwy 22, Hillside, NJ**	**MU6-7736**
Ariz	Torn Quist Machinery Co	3825 Santa Fe Ave, Los Angeles, Cal	LU9-5551
Cal	Torn Quist Machinery Co	3825 Santa Fe Ave, Los Angeles, Cal	LU9-5551
Colo	United Tool & Material Co	307 University Bldg, Denver, Colo	AC2-5831
Fla	Holley-Edwards Sales Inc	1738 E. Adams St, S., Jacksonville, Fla	EL5-1671
	PREMAX PRODUCTS DIV CHISHOLM-RYDER CO., INC	**Highland & College Aves, Niagara Falls 2, NY**	**BU5-9186**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Springs, Md	JU9-4002
Alaska	Roger M Minthorne Co	6073S. W. Taylors Ferry Rd, Portland 19, Ore	CH6-4556
Ark	Ernest L Wilks	1212 Camp St, Dallas 2, Tex	RI7-2637
Cal	Belchamber & French	1485 Bayshore Blvd, San Francisco 24	JU6-0406
Cal	Henry J Hamm & Associates	5304 W. 79th St, Los Angeles 45, Cal	EX1-5775
Colo	Moss Sales Co	1530 13th Ave, Greeley, Colo	EL3-1452
Conn	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
Del	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
DC	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
Fla	Morris F Taylor Co	9431 Georgia Ave, Silver Springs, Md	JU9-4002
Ga	Morris F Taylor Co	9431 Georgia Ave, Silver Springs, Md	JU9-4002
Idaho	Moss Sales Co	1530 13th Ave, Greeley, Colo	EL3-1452
Ill	Lund-Hansen Co	911 Michigan, Willenette, Ill	AL1-4100
Iowa	F C Somers & Co	17th & Main, Kansas City 8, Mo	
Kan	F C Somers & Co	17th & Main, Kansas City 8, Mo	
Ky	Walter J Brauer	15631 Lakewood Hgts Blvd, Cleve, O	LA1-7268
La	Ernest L Wilks	1212 Camp St, Dallas 2, Tex	RI7-2637
Me	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
Md	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
Mass	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
Mich	Lawrence F Zapfina	7351 Gratrol Ave, Detroit 13, Mich	WA1-2885
Miss	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Mo	F C Somers & Co	17th & Main, Kansas City 8, Mo	
Mont	Moss Sales Co	1530 13th Ave, Greeley, Colo	EL3-1452
Neb	F C Somers & Co	17th & Main, Kansas City 8, Mo	
Nev	Henry J Hamm & Associates	6304 W. 79th St, Los Angeles 45, Cal	EX1-5775
NH	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
NJ	Wm Gold	100 N. Village Ave, Rockville Centre, NY	
NJ	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
NY	Wm Gold	100 N. Village Ave, Rockville Centre, NY	
NY	Jas C Schnitter	109 Easton Ave, Buffalo 15, NY	
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ohio	Walter J Brauer	15631 Lakewood Hgts Blvd, Cleveland	LA1-7268
Okla	Ernest L Wilks	1212 Camp St, Dallas 2, Tex	RI7-2637
Ore	Roger M Minthorne Co	6073S.W. Taylors Ferry Rd, Portland 19, Ore	CH6-4556
Pa	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
RI	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
SC	Morris F Taylor Co	9431 Georgia Ave, Silver Springs, Md	JU9-4002
Tenn	Al Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Tex	Ernest L Wilks	1212 Camp St, Dallas 2, Tex	RI7-2637
Utah	Moss Sales Co	1530 13th Ave, Greeley, Colo	EL3-1452
Vt	W B Pray Sales	44 Washington St, Wellesley Hills 82, Mass	5-3199
Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	
Wash	Roger M Minthorne Co	6073S. W. Taylors Ferry Rd, Portland 19, Ore	CH6-4556
W. Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	
Wisc	Lund-Hansen Co	911 Michigan, Willemette, Ill	AL1-4100
Wyo	Moss Sales Co	1530 13th Ave, Greeley, Colo	EL3-1452

Foreign	M Simons & Co	25 Warren St, New York 7, NY	BA7-5513
	PREMIER INSTRUMENT CORP	**33 New Broad St, Port Chester, NY**	**WE9-8900**
Cal	Shepherd-Winters Co	7407 1/2 Melrose Ave, Los Angeles, Cal	WE8-2996
Cal	L Allett & Co	1061 Howard St, San Francisco 3, Cal	HE1-4738
Colo	Landes Zachary & Peterson Co	601 S. Jason, Denver 23, Colo	SH4-1311
Fla	E C Raymund & Associates	1221 Arlington Ave, St. Petersburg, Fla	ST7-6126
Ill	Gilbert Engineering	2842 N. Sheridan Rd, Chicago, Ill	BI8-3800
Kan	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	
Mass	Wayne B Palioca Inc	1787 Massachusetts Ave, Lexington 3	VO2-7224
Mich	Robert Mysik Co	19371 James Couzens Hwy, Detroit 35	BR3-3652
Mo	Maury E Bettis Co	406 W 34th St, Kansas City 11, Mo	LO1-0772
Mo	Maury E Bettis Co	8676 Kathlyn Dr, St. Louis, Mo	
N.	Jack Shore	555 Winchester Ave, Union, NJ	EL5-0474
NM	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	H A F Associates	330 E. 70th St, New York 21, NY	RI7-1330
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore 23, NY	DE0484
NC	E C Raymund & Associates	5412 Hilltop Circle, Charlotte, NC	
Ohio	Bek Associates	330 Salem Ave, Dayton 6, Ohio	CR8-1343
Pa	Earl H Moore	6101 Joshua Rd, Whitemarsh, Pa	CH7-7122
Tex	R E McClendon Co	137 Walnut Hill Village, Dallas 20, Tex	FL2-4054
Wash	Technical Sales Co	1731 1st. S., Seattle, Wash	LA6713
Canada	J J Mac Guarrie	46 St. George St, Toronto, Canada	WA3-2455
	PREMIER METAL PRODUCTS CO	**337 Manida St, Bronx 59, NY**	**WY1-6600**
Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Alaska	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Ariz	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Ark	Packard Associates	404 Love Field, Dallas 35, Tex	FL7-5713
Cal	Lebell-Warren Associates	1485 Bay Shore Blvd, San Francisco 24	JU6-7711
Cal	Al J Rossi	8417 E. Las Tunas Dr, San Gabriel, Cal	AT6-1476
Colo	Gates & Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Colo	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Conn	Henry Lavin Associates Inc	P.O.Box 196, Meriden, Conn	BE7-5527
Del	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Del	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
DC	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
DC	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Fla	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ga	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Idaho	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ill	Gettleman & Litteken Co	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0030
Ill	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ind	Delta Sales Inc	2136 E. 52nd St, Indianapolis, Ind	CL1-3564
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Kan	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Ky	Delta Sales Co	2136 E. 52nd St, Indianapolis, Ind	CL1-3564
La	Earl H Moore Co	5864 Louisville St, New Orleans 24, La	AU2407
Me	Henry Lavin Associates Inc	P.O.Box 196, Meriden, Conn	BE7-5527
Md	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	Henry Lavin Associates Inc	P.O.Box 196, Meriden, Conn	BE7-5527
Mich	R C Merchant & Co	18411 W. McNichols Rd, Detroit 19, Mich	KE5-6000
Minn	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Miss	Earl H Moore Co	5864 Louisville St, New Orleans 24, La	AU2407
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Mont	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Neb	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
Nev	Lebell-Warren Associates	1485 Bay Shore Blvd, San Francisco 24, Cal	JU6-7711
Nev	Al J Rossi	8417 E. Las Tunas Dr, San Gabriel, Cal	AT6-1476
NH	Henry Lavin Associates	P.O.Box 196, Meriden, Conn	BE7-5527
NJ	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NJ	Arthur Harris Inc	42-34 195th St, Flushing 54, NY	FL7-7350
NM	Gates & Co	Albuquerque, NM	CH3-8010
NM	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
NY	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NY	Arthur Harris Inc	42-34 195th St, Flushing 54, NY	FL7-7350
NY	Art Cerf & Co	Kenmore, NY	DE1643
NY	Leonard D Allen Inc	P.O.Box 32, Syracuse 8, NY	GR1-3108
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
ND	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Packard Associates	404 Love Field, Dallas 35, Tex	FL7-5713
Ore	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
Pa	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Pa	Art Cerf & Co	Easton, Pa	BL3-0605
Pa	John O Olsen Co	Pittsburgh, Pa	FI1-8391
RI	Henry Lavin Associates Inc	P.O.Box 196, Meriden, Conn	BE7-5527
SC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
SD	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Tenn	Atcheson & Adams	Nashville, Tenn	TU3-2429
Tex	Packard Associates	404 Love Field, Dallas 35, Tex	FL7-5713
Utah	Gates & Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Utah	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Vt	Henry Lavin Associates Inc	P.O.Box 196, Meriden, Conn	BE7-5527
Va	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
Va	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Wash	Samuel N Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Wisc	Gettleman & Litteken Co	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0030
Wyo	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Foreign	Emec	127 Grace St, Plainview, NY	WE1-3700
	PREMIER RESEARCH LABS INC	**83 Seventh Ave, New York 11, NY**	**AL5-0700**
	PRESCOTT TELEVISION CO	**7706 Melrose Ave, L A 46, Cal**	**WE3-7193**
	PRESIN CO	**2014 Broadway, Santa Monica, Cal**	**EX3-9738**
Ala	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Conn	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
DC	Foringer & Co., Inc	312 Maple Dr, Rockville, Md	GA4-5300
Fla	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Ga	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Ill	Holdsworth & Co	P.O.Box 71, Lansdowne, Pa	
Ill	Holdsworth & Co	426 S. Springfield Rd, Clifton Hgts, Pa	MA6-8300
Ind	Holdsworth & Co	P.O.Box 71, Lansdowne, Pa	
Ind	Holdsworth & Co	426 S. Springfield Rd, Clifton Hgts, Pa	MA6-8300
Md	Foringer & Co., Inc	312 Maple Dr, Rockville, Md	GA4-5300
Mass	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
NH	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
NJ	Holdsworth & Co	426 S. Springfield Rd, Clifton Hgts, Pa	MA6-8300
NJ	Holdsworth & Co	Box 71, Lansdowne, Pa	
NY	John B Lightstone	515 Comstock Ave, Syracuse 10, NY	GR5-6704
NC	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Pa	Holdsworth & Co	Box 71, Lansdowne, Pa	
Pa	Holdsworth & Co	426 S. Springfield Rd, Clifton Hgts, Pa	MA6-8300
RI	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
SC	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Tenn	W E Wolcott Co	P.O.Box 1523, Winter Park, Fla	MI7-1901
Vt	Michael S Coldwell Inc	289 Fairfield Ave, Hartford, Conn	JA2-5832
Va	Foringer & Co., Inc	312 Maple Dr, Rockville, Md	GA4-5300
Wisc	Hayden & Co	53 W. Jackson Blvd, Chicago 4, Ill	WE9-4121
	PRESTOLE CORP., THE	**1345 Miami St, Toledo, Ohio**	**OX1-2465**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	
Ariz	G M Hinton	P. O. Box 6434, Phoenix, Ariz	AL4-3949
Cal	Fred F Alleman	1625 Blake Ave, Los Angeles 31, Cal	CA2-8128
Conn	J M Murphy & Co	808 Main St, Manchester, Conn	MI9-2129
Fla	Fred Wamble Sales Co	370 N.E. 147th Terrace, N. Miami 61	WI5-6676
Ill	Blake Burton	1814 E. Indiana, Wheaton, Ill	MO8-7862
Ind	Robert P Barney	8725 Brent Dr, Cincinnati 31, Ohio	WE1-9914
Iowa	Charles D Thomason	347 Park Terr, S.E., Cedar Rapids	EM2-0619
Ky	John Hashek	2216 Brighton Dr, Louisville 5, Ky	GL8-8443
Mich	Prestole Corp	10138 W. McNichols Rd, Detroit 21, Mich	UN 4-3139
Mich	E Zehn & Co	3827 Rushland Ave, Toledo 13, Ohio	GR5-2282
Miss	Herron & Co	15 Cinderella Rd, Chattanooga, Tenn	VE1-6783
NY	Harry Meadows	41 Ash Ln, Hicksville, NY	OV1-5822
NY	A J Murphy Co., Inc	109 Kinne Rd, Dewitt 14, NY	GI6-0410
Ohio	Carl Kerchmar	660 Southfield, Maumee, Ohio	TW3-6054
Pa	Carl Kerchmar	660 Southfield, Maumee, Ohio	TW3-6054
Tenn	Peirson-Deakins Co	5806 Tennessee Ave, Chattanooga 9	AM6-6321
Tex	W P Schoenfield	4407 Northcrest Rd, Dallas 29, Tex	DI6200
Utah	Russell H Francis & Associates	353 W. Second South St, Salt Lake City 1	EL5-2938
Wisc	Blake Burton	1814 E. Indiana, Wheaton, Ill	MO8-7862
Foreign	Lawrence & Erausquin	1902 Jefferson Ave, Toledo, Ohio	CH1-9121
Canada	Prestole Corp of Canada	20 Racine Rd, Rexdale, Ontario, Canada	CH4-2062
	PRICE ELECTRIC CORP	**Frederick, Md.**	**MO3-5141**
Cal	Transdynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	Transdynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Cal	Transdynamics Inc	2866 Fourth Ave, San Diego, Cal	CY8-8215
Colo	Transdynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5589
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA5-1688
Ga	Aerol Associates Inc	361 E. Paces Ferry Rd, Atlanta, Ga	CE7-4258
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Ind	Joe Murphy	202 Pam Rd, Meridan Meadows, Indpls	VI6-0359
Md	J-H Electronic Sales Co	P. O. Box 6844, Towson, Md	VA5-4441
Mass	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7850
Mich	Jim Morrow Sales	13149 Hamilton Ave, Highland Park	TO5-7600
Mo	Robert B Stahlhut	12760 Post Oak Rd, St. Louis, Mo	PA5-7793
NJ	Aerol Associates Inc	1180 Raymond Blvd, Newark, NJ	MA3-0336
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
NY	J V Costello	639 S. Warren St, Syracuse, NY	HA2-0532
Ohio	George T Wright & Associates Inc	P. O. Box 2950, Cleveland, Ohio	ED1-8656
Ohio	Ed Mazee & Co	2600 Far Hills Bldg, Dayton, Ohio	AX9-2333
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas, Tex	EM3-1671
Wash	Transdynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Canada	Radio Condenser Co Ltd	6 Bermondsey Rd, Toronto, Canada	PL5-2235
Foreign	Fratborn Co., Inc	33 W. 42nd St, New York, NY	BR9-9422
	PRINTLOID INC	**10-04 44th Ave, Long Island City 1, NY**	**EN1-17770**
Ill	Robert E Sone	3733 N. Kimball Ave, Chicago 8, Ill	KE9-3380
	PRINTRONICS CORP	**3127 El Camino Real, Palo Alto, Cal**	**DA6-7446**
Ariz	Samuel O Jewett Co	P.O. Box 172, Scottsdale, Ariz	WH5-9711
Cal	John E Striker	215 Club Dr, San Carlos, Cal	LY1-0737
DC	J J Maguire Co	742 Investment Bldg, Washington 5, DC	NA8-4247
NJ	Donald R Morse	Box 83, Rutherford, NJ	WE3-1159
Ohio	Augey Natalino	Box 644, Stow, Ohio	OV8-3930
	PROBESCOPE CO., INC	**8 Sagamore Hill Dr, Port Washington, NY**	**PO7-8150**
Ala	Roy Attaway Co	912 Bob Wallace Ave, S.W., Huntsville	JE2-2811
Ariz	Wright Engineering Co	180 E. California, Pasadena, Cal	SY3-5895
Cal	Wright Engineering Co	180 E. California, Pasadena, Cal	SY3-5895
Colo	Industrial Assoc Electronics	119 Richmond S.E., Albuquerque, NM	PR2-2441
De	Eastern Assoc Inc	8616 Georgia Ave, Silver Springs, Md	JO9-0100
DC	Eastern Associates Inc	8616 Georgia Ave, Silver Springs, Md	JO9-0100
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Md	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Nev	Wright Engineering Co	180 E. California, Pasadena, Cal	SY305995
NJ	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
NM	Industrial Associates Electronics	119 Richmond St, S.E., Albuquerque, NM	AM8-7744
NY	Tesco Associates	114 Miles Ave, Syracuse, NY	GR2-9262
NC	Roy Attaway	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Okla	Industrial Assoc Elec	Box 8068, El Paso, Tex	PR2-2441
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
SC	Roy Attaway	1635 Heatherwood Dr, Decatur, Ga	
Tenn	Roy Attaway	912 Bob Wallace S.W., Huntsville, Ala	JE2-2811
Tex	Industrial Associates Electronics	Box 8068, El Paso, Tex	PR2-2441
Foreign	Casal International	45 E. 51st St, New York 22, NY	PL3-2611
	PROCESS & INSTRUMENTS	**15 Stone Ave, Brooklyn 33, NY**	
	PRO-CHEM INC	**1571 Merwin Ave, Cleveland 13, Ohio**	**PR1-0188**
	PRODELIN INC	**307 Bergen Ave, Kearny, NJ**	**WY1-8600**
Alaska	Maydwell & Hartzell Inc	427 W. Fifth St, Los Angeles, Cal	
Ariz	Maydwell & Hartzell Inc	P. O. Box 3586, Phoenix, Ariz	
Cal	Maydwell & Hartzell Inc	427 W. Fifth St, Los Angeles, Cal	
DC	R Marchese	8610 Mayfair Pl, Silver Spring, Md	
Md	R Marchese	8610 Mayfair Pl, Silver Spring, Md	
Mo	V L Tennant	14859 Phelps Dr, Bridgeton, Mo	
Ore	Maydwell & Hartzell Inc	2318 N.W. Vaughn St, Portland 10, Ore	
Tex	C F Faison	P. O. Box 4727, Dallas, Tex	
Wash	Maydwell & Hartzell Inc	306 Dexter Ave, Seattle 9, Wash	
	PRODUCERS SALES	**820 S. Mariposa, Burbank, Cal**	**VI9-6251**
NY	S O S Cinema Supply Corp	602 W. 52nd St, New York 19, NY	PL7-0440
NY	Mr L Giarrapoto	520 Fifth Ave, New York, NY	MU2-5844
	PRODUCTION PROCESS SCREEN CO., INC	**16-18 S. Marshall St, Philadelphia 6, Pa**	**WA5-7878**
	PRODUCTION RESEARCH CORP SUB OF RADIO CONDENSER CO	**Clermont Ave, Thorwood, NY**	**RO9-2766**
	PRODUCTS RESEARCH CO	**3126 Los Feliz Blvd, Los Angeles, Cal**	**NO5-5951**
Ala	William Dealing	6940 Altama Rd, Jacksonville 11, Fla	RA5-0383
Ala	Glenn Lowry	1660 Johnson Rd, N.E., Atlanta 6, Ga	TR6-8705
Alaska	Fuller Paint & Glass Co	Box 879, Anchorage, Alaska	
Ark	William Wofford	Box 1768, Little Rock, Ark	3-5760
Ark	L J Shepek	3400 Ruth Rd, Fort Worth, Tex	AT4-5893
Cal	J Blaine Eustice	1891 Randall Rd, San Mateo, Cal	FI1-2607
Colo	Bennett & Associates	2820 W. 17th St, Denver 4, Colo	MA3-0913
Conn	Richard Ely	Box 174, Nutley, NJ	NU2-3718
Del	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
DC	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
Fla	William Dealing	6940 Altama Rd, Jacksonville 11, Fla	RA5-0383
Ga	William Dealing	6940 Altama Rd, Jacksonville 11, Fla	RA5-0383
Ga	Glenn Lowry	1660 Johnson Rd, N.E., Atlanta 6, Ga	TR6-8705
Hawaii	Representative Sales Co	Box 1173, Honolulu 7, Hawaii	5-4639
Idaho	Products Research Co	1731 First Ave, S., Seattle, Wash	MU2-6396
Ill	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Ind	W C Rench	Rural Rt 10, Box 496J, Indianapolis, Ind	ME4-8541
Iowa	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Kan	Scheldt Co	455 S. Washington, Wichita, Kan	HO4-0391
Ky	W C Rench	Rural Rt 10, Box 496J, Indianapolis, Ind	ME4-8541
La	L J Shepek	3400 Ruth Rd, Fort Worth, Tex	AT4-5893
Me	Richard Ely	Box 174, Nutley, NJ	NU2-3718
Md	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
Mass	Richard Ely	Box 174, Nutley, NJ	NU2-3718
Mich	J R Monk	18505 W. 8 Mile Rd, Detroit 19, Mich	KE5-0535
Minn	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Miss	William Wofford	Box 1768, Little Rock, Ark	3-5760
Miss	L J Shepek	3400 Ruth Rd, Fort Worth, Tex	AT4-5893
Mo	Scheldt Co	455 S. Washington, Wichita, Kan	HO4-0391
Mo	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Mont	Products Research Co	1731 First Ave, S., Seattle 4, Wash	MU2-6396
Neb	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Nev	J Blaine Eustice	1891 Randall Rd, San Mateo, Cal	FI1-2607
NH	Richard Ely	Box 174, Nutley, NJ	NU2-3718
NJ	Richard Ely	Box 174, Nutley, NJ	NU2-3718
NJ	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
NY	Richard Ely	Box 174, Nutley, NJ	NU2-3718
NC	William Dealing	6940 Altama Rd, Jacksonville 11, Fla	RA5-0383
NC	Glenn Lowry	1660 Johnson Rd, N.E., Atlanta 6, Ga	TR6-8705
ND	A L Norrbom	278 Woodland Dr, Biltmore, Ill	DU1-5678
Ohio	J R Monk	18505 W. 8 Mile Rd, Detroit 19, Mich	KE5-0535
Ohio	W C Rench	Rural Rt 10, Box 96 J, Indnpls, Ind	ME4-8541
Okla	Scheldt Co	455 S. Washington, Wichita, Kan	HO4-0391
Ore	Products Research Co	1731 First Ave, S., Seattle 4, Wash	MU2-6396
Pa	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
RI	Richard Ely	Box 174, Nutley, NJ	NU2-3718
SC	William Dealing	6940 Altama Rd, Jacksonville 11, Fla	RA5-0383
SC	Glenn Lowry	1660 Johnson Rd, N.E., Atlanta 6, Ga	TR6-8705
SD	A L Norrbom	278 Woodland Dr, Biltmore, Ill	DU1-5678
Tenn	William Wofford	Box 1768, Little Rock, Ark	3-5760
Tenn	Glenn Lowry	1660 Johnson Rd, N.E., Atlanta 6, Ga	TR6-8705
Tex	L J Shepek	3400 Ruth Rd, Fort Worth, Tex	AT4-5893
Utah	Bennett & Associates	2820 W. 17th St, Denver 4, Colo	MA3-0913
Vt	Richard Ely	Box 174, Nutley, NJ	NU2-3718
Va	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
Wash	Products Research Co	1731 First Ave, S., Seattle 4, Wash	MU2-6396
W. Va	Products Research Co	410 Jersey Ave, Gloucester City, NJ	GL6-5700
Wisc	A L Norrbom	278 Woodland Dr, Barrington, Ill	DU1-5678
Wyo	Bennett & Associates	2820 W. 17th St, Denver 4, Colo	MA3-0913
	PROTECTIVE CLOSURES CO., INC., CAPLUGS DIV	**2207 Elmwood Ave, Buffalo 23, NY**	**BE9855**
Cal	Eric Dudley Co	5556 W. Washington Blvd, LA 16, Cal	
Colo	Plasticrafts, Inc	2806 N. Sperr Blvd, Denver 11, Colo	
Fla	Halley - Edwards Sales	1738 E. Adams St, Jacksonville, Fla	
Ill	Arthur J. Ellis Co	1607 Howard St, Chicago, Ill	
Iowa	Frank R. Johnston Co	853 - 42nd St, Des Moines, Iowa	
Mich	Gillespie Sales Engineering	1607 Lake Dr, S.E., Grand Rapids, Mich	GL4-9511
Mich	Van Goethem & Assoc	21429 Mack Ave, St. Clair Shores, Mich	
Minn	Vincent Brass, Aluminum Co	124 - 12th Ave S., Minneapolis, Minn	
Mo	Tanler & Co	10633 Twilight Dr, St. Louis 23, Mo	VI3-9080
NJ	Oak Engineering Co	110 Monmouth St, Gloucester City, NJ	
NJ	Unisco, Inc	1061 Linden Ave, Ridgefield, NJ	
NY	Beach Plastics, Inc	739 Powers Building, Rochester, NY	
NC	Henley Paper Co	P.O. Box 3187, Charlotte, NC	FR5-3723
Ohio	The Paquin Co	13405 St. Clair Ave, Cleveland, Ohio	
Pa	Speck - Marshall Co	P.O. Box 110, McKees Rocks, Pa	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
W. Va	American Packaging Co	420 East St, Parkersburg, W. Va	GA2-5322
Canada	Strataflex of Canada, Inc	91 Kipling Ave S., Toronto, Ont	

PROTECTIVE COATINGS CORP.... 596 River Rd, Clifton, NJ

PROTOTYPE TRANSFORMER CORP 1 Henry St, Bloomfield, NJ PI8-8080

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Conn	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	AD2-0119
NJ	Harry J Gaynor	1 Henry St, Bloomfield, NJ	PI8-8080
NY	Harry J Gaynor	1 Henry St, Bloomfield, NJ	PI8-8080

PULSE ENGINEERING INC ..... 560 Robert Ave, Santa Clara, Cal CH8-6040

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Ariz	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Cal	Penwarden-Dailey Associates	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Cal	Penwarden-Dailey Associates	509 Pearl St, San Carlos, Cal	FI5-2663
Conn	R H Sturdy Co	103 Morse St, Newton 38, Mass	
DC	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
Fla	R H Sturdy Co	P.O. Box 1322, Melbourn, Fla	PA3-1931
Ill	Knoblock & Malone Inc	1603 N. Newland Ave, Chicago 35, Ill	NA2-4005
Ind	Knoblock & Malone Inc	Claytondale Farms, RR 6, Sidney, Ohio	
Ky	Dayton Associates	4924 Zula Ave, Cincinnati 38, Ohio	BL1-2349
Me	R H Sturdy Co	103 Morse St, Newton 38, Mass	
Md	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
Mass	R H Sturdy Co	103 Morse St, Newton 38, Mass	
Mich	Anderson Electronics Co	19364 James Couzens, Detroit 35, Mich	DI1-2352
Minn	Knoblock & Malone Inc	1603 N. Newland Ave, Chicago 35, Ill	NA2-4005
NH	R H Sturdy Co	103 Morse St, Newton 38, Mass	
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	E A Cossmann & Associates	830 Linden Ave, Rochester 10, NY	LU6-4940
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	
Okla	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Pa	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
Pa	Dayton Associates	3017 Snow Rd, Cleveland 34, Ohio	YE2-6655
Tex	Norvell Associates	3603 Lemmon Ave, Dallas, Tex	LA6-7861
Vt	R H Sturdy Co	103 Morse St, Newton 38, Mass	
Va	Biechler Associates	P.O. Box 38, Millersville, Pa	TR2-7632
W. Va	Dayton Associates	4924 Zula Ave, Cincinnati 38, Ohio	BL1-2349
Wisc	Knoblock & Malone Inc	1603 N. Newland Ave, Chicago 35, Ill	NA2-4005

PULSE TECHNIQUES INC ..... 1411 Palisade Ave, West Englewood, NJ TE7-2575

PURE CARBON CO ..... Wellsville St, St. Marys, Pa..... TE4-1573

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	C B Gratiot	1282 Folsom St, San Francisco 3, Cal	HE1-1828
Cal	R F Gratiot	1261 S. Glendale Ave, Glendale 5, Cal	CH5-3746
Conn	J N Shuck	766 Main St, Newington, Conn	MO6-4233
Fla	Walter S Hoyt	2310 Purdue Rd, Bradenton, Fla	
Ill	W C Johnson	3118 N. Ellis St, Peoria 5, Ill	2-7786
Ill	O W Kessens	253 Harvey Ave, Des Plaines, Ill	VA4-6464
Ill	Sittler Co	18 N. Ada St, Chicago 7, Ill	SE3-4616
Ind	Walter C Boldt	5305 Hohman Ave, Hammond, Ind	WE1-7091
Md	O A Hall	2301 N. Charles St, Baltimore 18, Md	HO7-5359
Mich	Eynon Co	9900 Freeland Ave, Detroit 27, Mich	TE4-7700
Minn	F E Edey	1302 Fifth Ave, S., Minneapolis 4, Minn	FE3-2813
Mo	J Grant & Co	1246 Hampton Ave, St. Louis 10, Mo	MI7-1022
NY	Bardwell & Schoelles Associates	Box 125, Rochester 1, NY	BA5-7687
NY	Hoyt Equipment Co	87 Walker St, New York 13, NY	CA6-5859
Ohio	W A Masters	4497 Greenwold Rd, S. Euclid 21, Ohio	EV1-1686
Ohio	Joe Vecchiarelli	114 Laurel Rd, Chagrin Falls, Ohio	CH7-6382
Pa	W R McCorkle	407 W. Ashbridge, West Chester, Pa	OW6-3455
Pa	Calebaugh Self-Lubricating Co	4637-39 Mulberry St, Philadelphia 24, Pa	PI3-6200
Pa	R G Schatz	314 S. Michael St, St. Marys, Pa	41-951
Tex	Clyde L Webb Co	1620 Carleton St, Fort Worth 7, Tex	PE8-3692

PYE TELECOMMUNICATIONS LTD Newmarket Rd, Cambridge, England..... TE3131

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NJ	Pye Corp of America	1149 Raritan Ave, Highland Park, NJ	CH7-2277
Foreign	Sales Offices/Representatives in all principal countries.	

PYLE-NATIONAL CO ..... 1334 N. Kostner Ave, Chicago 51, Ill ... DI2-6300

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	E P Callahan	2nd Ave & 21st St, Birmingham, Ala	AL2-7579
Ark	Curtis H Stout Inc	400 Shall St, Little Rock, Ark	FR4-8201
Cal	H R Benike	242 S. Anderson St, Los Angeles 33, Cal	AN9-7381
Cal	John Kresich	1417 Market St, San Francisco 3, Cal	UN3-7566
Colo	Robert Emich	801 W. 5th Ave, Denver 4, Colo	AC2-3378
Fla	C W Wire	711 Magnolia Ave, Orlando, Fla	CH1-3081
Ga	G R Koelln & Co	144 Walker St, S.W., Atlanta, Ga	MU8-7077
Hawaii	Alfred E Linzer Co., Inc	1507 Kapiolani Blvd, Honolulu, T.H.	924635
Ill	J Devol	2700 W. Roosevelt Rd, Broadview, Ill	MA6-4021
Ind	H Broling	5250 Keystone Court Bldg, Indpls 20, Ind	CL1-5896
La	Curtis H Stout Of La Inc	International Trade Mart, New Orleans 12	JA2-7197
La	Curtis H Stout Inc	409 Fairfield Bldg, Shreveport, La	5-5485
Mich	E J Heathfield	16525 Woodward Ave, Detroit, Mich	TO8-6707
Minn	R L Mazgar	1608 Pioneer Bldg, St. Paul 1, Minn	CA2-4631
Miss	Curtis H Stout Inc	706 Electric Bldg, Jackson, Miss	FL4-4326
Mo	Bill Page	1214 W. 47th St, Kansas City 12, Mo	VA1-2640
Mo	Max Lukart	812 Olive St, St. Louis 1, Mo	CH1-6513
NM	R Black	721 LomaVista Dr, N.E., Albuquerque,	AL5-9625
NY	L J Milewicz	3634 Grand Central Term, New York 17, NY	MU6-9174
NY	G Loewe	639 S Warren, Syracuse 2, NY	HA2-0886
NC	A L Henderson	1508 E. 4th, Charlotte, NC	FR7-2350
Ohio	W Frede	2249 Losantiville Rd, Cincinnati 13, Ohio	RE1-1230
Ohio	R C Hughes	1836 Euclid Ave, Cleveland 15, Ohio	MA1-6394
Okla	J Dodge	1526 E. 4th St, Tulsa, Okla	LU4-3710
Pa	N P Roussos	239 4th Ave, Pittsburgh 22, Pa	GR1-3193
Pa	J M Connell	1505 Race St, Philadelphia 2, Pa	LO6-1179
Tenn	Curtis H Stout Inc	718 M & M Bldg, Memphis, Tenn	JA6-7601
Tex	The Eads Co	5523 Dyer St, Dallas 5, Tex	EM3-3537
Tex	The Eads Co	1115 Dunlavy St, Houston 19, Tex	JA6-1646
Va	J Clanton	1515 N. Court House Rd, Arlington, Va	JA4-4548
Wash	M Hickey	1138 Poplar Pl, Seattle 44, Wash	EA4-3777
Wisc	J Morkin	743 N. Fourth St, Milwaukee, Wisc	BR3-5696
Canada	The Holden Co	614 St. James St, W., Montreal 3, Que	VI9-8131
Foreign	Lionel-Essex Inter America Inc	15 E. 26th St, New York 10, NY	MU5-1308

PYRAMID ELECTRIC CO ..... Orange St, Darlington, SC EX3-3821

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Jack Berman Co., Inc	1141 S. La Cienega Blvd, L A, Cal	OL5-8920
Ark	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Cal	Jack Berman Co., Inc	1141 S. La Cienega Blvd, Los Angeles	OL5-8920
Cal	F W Moulthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Colo	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
Del	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
DC	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Fla	Frank C Nickerson & Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Ga	Frank C Nickerson & Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Idaho	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	Earl T Champion	6459 N. Sheridan Rd, Chicago 26, Ill	AM2-3565
Ill	Theodore B Lowell	Creve Coeur Br, Box 26, St. Louis, Mo	EV5-7803
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ill	Henry D Sarkis	5608 N. Western Ave, Chicago 45, Ill	AR1-3774
Ind	William A Meily	4017 S. Harrison Blvd, Ft. Wayne 6, Ind	KE2461
Ind	Edwin Schulz	721 Sherwood Dr, Indianapolis, Ind	CL5-1993
Iowa	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	HI4-2013
Kan	Theodore B Lowell	Creve Coeur Br, Box 26, St. Louis 41, Mo	EV5-7803
Ky	William A Meily	4017 S. Harrison Blvd, Ft. Wayne 6, Ind	KE2461
Ky	Edwin Schulz	721 Sherwood Dr, Indianapolis, Ind	CL5-1993
La	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Me	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
Md	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Md	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Mass	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
Mich	William A Meily	4017 S. Harrison Blvd, Ft. Wayne 6, Ind	KE2461
Mich	R C Nordstrom	580 N. Woodward Ave, Birmingham, Mich	JO4-6129
Minn	Hamilton & Bayle Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Miss	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Mo	Theodore B Lowell	Creve Coeur Branch, Box 26, St. Louis	EV5-7803
Mont	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	HI4-2013
Nev	Jack Berman Co., Inc	1141 S. La Cienega Blvd, L A, Cal	OL5-8920
Nev	F W Moulthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
NH	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
NJ	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
NJ	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
NM	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
NY	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
NY	William A Franklin	2 Standish Terr, Syracuse 3, NY	GL4-3383
NY	Fred Soellman	200 Plandome Rd, Manhasset, NY	MA7-3399
NY	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
NC	Frank C Nickerson & Co	626 Medlock Rd, Decatur, Ga	ME6-2752
ND	Hamilton & Bayle & Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Okla	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Pa	H J Fairbanks Co	1615 Darby Rd, Havertown, Pa	GR2-2467
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
RI	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
SC	Frank C Nickerson & Co	626 Medlock Rd, Decatur, Ga	ME6-2752
SD	Hamilton & Bayle & Associates	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tenn	Al Engelman Co	3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Tex	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Utah	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Vt	Mosher & Peyser Co., Inc	945 Great Plain Ave, Needham, Mass	HI4-1400
Va	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson 4, Md	VA5-3431
Va	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Wisc	Henry D Sarkis	5608 N. Western Ave, Chicago 45, Ill	AR1-3774
Wisc	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee 20, Wisc	LI5-4686
Wyo	Hyde Electronic Sales	888 S. Lipan St, Denver, Colo	WE6-3456
Canada	William Cohen Ltd	8900 Tanquay St, Montreal, Canada	CA4357

PYRAMID ENTERPRISES ..... 3817 Trimble St, Nashville, Tenn..... CY7-2831

PYRAMID INSTRUMENT CORP ..... 630 Merrick Rd, Lynbrook, NY LY3-5600

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	
Alaska	Northwestern Agencies Inc	4130 First Ave, Seattle, Wash	
Ariz	Maddox Sales Co	5709 N. 19 Pl, Phoenix, Ariz	
Ark	Ray Martin Co	210 Kirkwood Bank Bldg, Kirkwood, Mo	
Cal	Maddox Sales Co	914 E. 3rd St, Los Angeles, Cal	
Cal	Baxter Co	101 Kansas St, San Francisco, Cal	
Colo	R D Florance & Associates	2052 Humboldt St, Denver, Colo	
Conn	H L Frank & Sons	15 Lane St, Waltham, Mass	
Del	Electra Sales Associates	213-15 New St, Philadelphia, Pa	
Del	Ray Johnson Co	124 S. Easton Rd, Glenside, Pa	
DC	Ray Johnson Co	124 S. Easton Rd, Glenside, Pa	
DC	Electra Sales Associates	213-15 New St, Philadelphia, Pa	
Fla	James Millar Associates	P.O. Box 96, Maitland, Fla	
Ga	James Millar Associates	P.O. Box 7116, Sta "C", Atlanta, Ga	
Hawaii	Baxter Co	101 Kansas St, San Francisco, Cal	
Idaho	Northwestern Agencies	4130 First Ave, Seattle, Wash	
Ill	Ray Martin Co	210 Kirkwood Bank Bldg, Kirkwood, Mo	
Ill	R M Crandall & Associates	6220 E. 56th St, Indianapolis, Ind	
Ind	Eitman & Zuckerman	119 S. Jefferson St, Chicago, Ill	
Ind	R M Crandall & Associates	6220 E. 56th St, Indianapolis, Ind	
Iowa	Deco Engineering Products	1112 Locust St, Des Moines, Iowa	
Kan	C L Arehart Co	5316 Garfield, Kansas City, Mo	
Ky	Ray Martin Co	210 Kirkwood Bank Bldg, Kirkwood, Mo	
Ky	R M Crandall & Associates	6221 E. 56th St, Indianapolis, Ind	
La	Glidden Engineering & Equip Co	P.O. Box 4063, New Orleans, La	
Me	H L Frank & Sons	15 Lane St, Waltham, Mass	
Md	Ray Johnson Co	124 S. Easton Rd, Glenside, Pa	
Md	Electra Sales Associates	213-15 New St, Philadelphia, Pa	
Mass	H L Frank & Sons	15 Lane St, Waltham, Mass	
Mich	Arnold J Young Co	16820 Hamilton Ave, Highland Park, Mich	
Minn	Lester Elstad	5910 Wayzata Blvd, Minneapolis, Minn	
Miss	Glidden Engineering & Equip Co	3802 Winchester Ave, Houston, Tex	
Mo	Ray Martin Co	210 Kirkwood Bank Bldg, Kirkwood, Mo	
Mo	C L Arehart Co	5316 Garfield, Kansas City, Mo	
Mont	Northwestern Agencies Inc	4130 First Ave, S., Seattle, Wash	
Neb	Deco Engineering Products	712 S. 24th St, Omaha, Neb	
Nev	Baxter Co	101 Kansas St, San Francisco, Cal	
Nev	Maddox Sales Co	914 E. 3rd St, Los Angeles, Cal	
NH	H L Frank & Sons	15 Lane St, Waltham, Mass	
NJ	Sy Schuster	91 Cedar Rd, Westbury, NY	
NM	R D Florance & Associates	2052 Humboldt St, Denver, Colo	
NY	Fay Sullivan Inc	940 S. Salina St, Syracuse, NY	
NY	Sy Schuster	91 Cedar Rd, Westbury, NY	
NC	James Millar Associates	4023 Arbor Way, Charlotte, NC	
ND	Lester L Elstad	5910 Wayzata Blvd, Minneapolis, Minn	
Ohio	R M Crandall Associates	6220 E. 56th St, Indianapolis, Ind	
Ohio	Gordon Stofer & Bro	2400 Superior Ave, N.W., Cleveland, Ohio	
Ore	Northwester Agencies Inc	4130 1st Ave, S., Seattle, Wash	
Pa	Clark & Lype Associates	4135 Brownsville Rd, Pittsburgh, Pa	
Pa	Electra Sales Associates	213-15 New St, Philadelphia, Pa	
Pa	Ray Johnson Co	124 S. Easton Rd, Glenside, Pa	
RI	H L Frank & Sons	15 Lane St, Waltham, Mass	
SC	James Millar Associates	4023 Arbor Way, Charlotte, NC	
SD	Lester L Elstad	5910 Wayzata Blvd, Minneapolis, Minn	
Tenn	James Millar Associates	P.O. Box 7116, Sta "C", Atlanta, Ga	
Tex	Glidden Engineering & Equip Co	3802 Winchester Ave, Houston, Tex	
Utah	The Darger Co	211 S. 2nd W., Salt Lake City, Utah	
Vt	H L Frank & Sons	15 Lane St, Waltham, Mass	
Va	W E Sullivan Jr	6211 W. Broad St, Richmond, Va	
Wash	Northwestern Agencies	4130 1st Ave, S., Seattle, Wash	
W. Va	Clark & Lype Associates	4135 Brownville Rd, Pittsburgh, Pa	
Wisc	Eitman & Zuckerman	119 S. Jefferson, Chicago, Ill	
Wyo	R D Florance & Associates	2052 Humboldt St, Denver, Colo	
Foreign	Morhan Exporting	458 Broadway, New York, NY	

PYRO-ELECTRIC INC ..... 552 Lincoln Ave, Winnetka, Ill HI6-6200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Aerol Associates	361 E. Paces Ferry, N.E., Atlanta 5, Ga	CE3-1330
Ariz	Aerol Associates	Denver Club Bldg, Denver 2, Colo	TA5-2046
Ark	Aerol Associates	314 N. East St, Arlington, Tex	CR5-2400
Cal	Aerol Associates	9024 Olympic Blvd, Beverly Hills, Cal	BR2-8251
Cal	Aerol Associates	1177 University Dr, Menlo Park, Cal	DA1-1014
Colo	Aerol Associates	Denver Club Bldg, Denver 2, Colo	TA5-2046
Conn	Aerol Associates	820 Park Ave, Bloomfield, Conn	CH2-5586
Del	Aerol Associates	6803 York Rd, Baltimore 12, Md	DR7-8110
DC	Aerol Associates	6803 York Rd, Baltimore 12, Md	DR7-8110
Fla	Aerol Associates	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates	361 E. Paces Ferry, N.E., Atlanta, Ga	CE3-1330
Idaho	Aerol Associates	Denver Club Bldg, Denver 2, Colo	TA5-2046
Ind	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Kan	Aerol Associates	6631 E. Kellogg, Wichita 18, Kan	MU3-7421
Ky	Aerol Associates	Box 6217, Lambert Airport, Mo	PE1-6853
La	Aerol Associates	314 N. East St, Arlington, Tex	CR5-2400
Me	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Md	Aerol Associates	6803 York Rd, Baltimore 12, Md	DR7-8110
Mass	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Mich	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Minn	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Miss	Aerol Associates	361 E. Paces Ferry, N.E., Atlanta 5, Ga	CE3-1330
Mo	Aerol Associates	Box 6217, Lambert Airport, Mo	PE1-6853
Nev	Aerol Associates	9024 Olympic Blvd, Beverly Hills, Cal	BR2-8251
NH	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
NJ	Aerol Associates	1180 Raymond Blvd, Newark, NJ	MA3-0336
NM	Aerol Associates	Denver Club Bldg, Denver 2, Colo	TA5-2046
NY	Aerol Associates	103 Pickwick Rd, DeWitt, NY	GI6-4560
NY	Aerol Associates	170 Great Neck Rd, Great Neck, NY	HU7-9650
Ohio	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Ore	Aerol Associates	500 Wall St, Seattle 1, Wash	MA3-0443
Pa	Process Equipment Sales Co	327 Woodbine Ave, Narberth, Pa	
RI	Aerol Associates	820 Park Ave, Bloomfield, Conn	CH2-5586
SC	Aerol Associates	361 E. Paces Ferry, N.E., Atlanta 5, Ga	CE3-1330
Tenn	Aerol Associates	361 E. Paces Ferry, N.E., Atlanta 5, Ga	CE3-1330
Tex	Aerol Associates	314 N. East St, Arlington, Tex	CR5-2400
Utah	Aerol Associates	Denver Club Bldg, Denver 2, Colo	TA5-2046
Vt	Aerol Associates	850 Lexington St, Waltham, Mass	TW4-7850
Va	Aerol Associates	6803 York Rd, Baltimore 12, Md	DR7-8110
Wash	Aerol Associates	500 Wall St, Seattle 1, Wash	MA3-0443
W. Va	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898
Wisc	Aerol Associates	7719 Reading Rd, Cincinnati, Ohio	VA1-4898

PYROFERRIC CO., INC ..... 621 E. 216 St, New York 67, NY..... OL4-3930

PYROFILM RESISTOR CO., INC..... U S Hwy 46, Parsippany, NJ DE4-8282

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Mark Electronic Sales Co	410 N.E. 147th Terr, N. Miami, Fla	WI7-5080
Ariz	Western Control Equipment Co	1400 N. 32nd St, Phoenix, Ariz	BR5-2013
Cal	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	ST7-3040
Cal	Western Control Equipment Co	3572 Pierce St, San Francisco, Cal	WE1-2155
Conn	P J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Del	A L Livera & Associates	James Bldg, Madison, NJ	FR7-3220
DC	A L Livera & Associates	James Bldg, Madison, NJ	FR7-3220
Fla	Mark Electronic Sales Co	410 N.E. 147th Terr, N. Miami 61, Fla	WI7-5080
Ga	Mark Electronic Sales Co	410 N.E. 147th Terr, N. Miami 61, Fla	WI7-5080
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Iowa	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Kan	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Ky	Callaghan-Bach	2209 Losantiville Rd, Cincinnati, Ohio	RE1-8660
Me	P J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Md	A L Livera & Associates	James Bldg, Madison, NJ	FR7-3220
Mass	P J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Minn	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
NH	P J Engineering Sales Co	P.O. Box 212, Watertown, Mass	WA4-5950
NJ	A L Livera & Associates	James Bldg, Madison, NJ	FR7-3220
NM	Western Control Equipment Co	1400 N. 32nd St, Phoenix, Ariz	SR6-2013
NY	A L Livera & Associates	1551 Franklin Ave, Mineola, NY	PI-7044
NC	A L Livera & Associates	James Bldg, Madison, NJ	FR7-3220
Ohio	Callaghan-Bach	2209 Losantiville Rd, Cincinnati 13, Ohio	RE1-8660
Okla	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
RI	P J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Tenn	Callaghan-Bach	2209 Losantiville Rd, Cincinnati 13, Ohio	RE1-8660
Tex	Thomson Engineering Service	2520 Oak Lawn, Dallas 19, Tex	LA6-8741
Vt	P J Engineering Sales Co	Box 212, Watertown, Mass	WA4-5950
Va	A L Livera & Associates	James Building, Madison, NJ	FR7-3220
Wisc	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500

	PYROMET CO	**595 Industrial Rd, San Carlos, Cal**	**LY1-7161**

	PYROMETER CO OF AMERICA INC	**600 E. Lincoln Hwy, Penndel, Pa**	**SK7-3704**
Cal	Pyrometer Co of America	2038 W. 16th St, Long Beach 13, Cal	HE7-8468
Cal	Electronic Engrg Assoc Ltd	1295 Laurel St, San Carlos, Cal	
Cal	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	TR3-3040
Conn	Clarence B Petty & Co	50 Kearney Rd, Needham Hts, 94, Mass	HI4-1700
Del	Clifford B Ives & Co., Inc	114 Forest Ave, Narberth, Pa	TR7-9505
DC	Clifford B Ives & Co., Inc	114 Forest Ave, Narberth, Pa	TR7-9505
Ill	William G Deutsch	6272 W. North Ave, Chicago, Ill	BE7-1564
Ind	William G Deutsch	6272 W. North Ave, Chicago, Ill	BE7-1564
Kan	Bob Foster	615 W. 22nd St, Wichita, Kan	TE8-8914
Me	Clarence B Petty & Co	50 Kearney Rd, Needham Hts 94, Mass	HI4-1700
Md	Clifford B Ives & Co., Inc	114 Forest Ave, Narberth, Pa	TR7-9505
Mass	Clarence B Petty & Co	50 Kearney Rd, Needham Hts 94, Mass	HI4-1700
Mich	William G Deutsch	6272 W. North Ave, Chicago, Ill	BE7-1564
NH	Clarence B Petty & Co	50 Kearney Rd, Needham Hts 94, Mass	HI4-1700
NJ	Crabbe & Stephins Co., Inc	485 Sylvan Ave, Englewood Cliffs, NJ	LO8-5513
NJ	Clifford B Ives Co	114 Forest Ave, Narberth, Pa	TR7-9505
NY	Crabbe & Stebbins Co., Inc	485 Sylvan Ave, Englewood Cliffs, NJ	LO8-5513
NY	W J Sommers Co., Inc	835 Englewood Ave, Buffalo 23, NY	AT7800
Ohio	Tru-Line Sales	15017 Detroit Ave, Cleveland 7, Ohio	AC6-4300
Ohio	Abbett Co	3437 Michigan Ave, Cincinnati 8, Ohio	EA1-2349
Pa	Clifford B Ives Co	114 Forest Ave, Narberth, Pa	TR7-9505
Pa	Autotrols Co	P.O. Box 11038, Pittsburgh 37, Pa	WE1-4431
RI	Clarence B Petty & Co	50 Kearney Rd, Needham Hts 94, Mass	HI4-1700
Tex	Southwestern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Tex	Herman Gross	1419 Conrad Sauer Rd, Houston, Tex	HO5-7917
Vt	Clarence B Petty & Co	50 Kearney Rd, Needham Hts 94, Mass	HI4-1700
Wisc	Wm G Deutsch	6272 W. North Ave, Chicago 39, Ill	BE7-1564
Foreign	Singer Products	15 Moore St, New York 5, NY	WH4-8700

	PYROMETER INSTRUMENT CO., INC.	**92 Portland Ave, Bergenfield, NJ**	**DU4-5140**
Ala	W C Gibbs Co	Tre 2, Box 478B, Birmingham 5, Ala	TR9-3701
Cal	L H Freeman Co	5717 S. Broadway, L A 37, Cal	PL8-9892
Cal	Claude B Smith Co	844 E. 12th St, Oakland 6, Cal	TE2-0103
Colo	Champion Specialty Co	4808 S. Broadway, Englewood, Colo	SU1-0279
Conn	Archie F Roberts	Box 49, Sandy Hook, Conn	NE6-4550
Del	Aybob Co	Box 4259, Philadelphia 44, Pa	GE8-8736
DC	R A Reitz Jr	2301 N. Charles St, Baltimore 18, Md	BE5-4161
Fla	James S Massarene	1021 S.E. 13th Ave, Deerfield Beach, Fla	BO8960
Hawaii	Merrill Berkley	Box 3856, Honolulu 12, Hawaii	
Idaho	Control Equipment Co	323 W. 14 S., Salt Lake City, Utah	HU4-6011
Ill	Smith Combustion Equipment Co	2545 W. Congress Pkwy, Chicago 12, Ill	TA9-8050
Ind	Electro Products Inc	702 E. Tenth St, Indianapolis 2, Ind	ME1-7420
Iowa	H G Klug Co., Inc	517 Fifth Ave, Des Moines, Iowa	
Kan	E W Mooney	6653 Enright Ave, University City 5, Mo	PA5-4271
La	D A Warriner	7920 Zimple St, New Orleans, La	
Me	Industrial & Scientific Instr Co	107 Old Sudbury Rd, Wayland, Mass	TW3-7453
Md	R A Reitz Jr	2301 N. Charles St, Baltimore 18, Md	BE5-4161
Mass	Industrial & Scientific Instr Co	107 Old Sudbury Rd, Wayland, Mass	TW3-7453
Mich	W C Schwer	2970 W. Grand Blvd, Detroit, Mich	TR1-4900
Minn	John L Schmidt Co	1879 University Ave, St. Paul 4, Minn	NE6383
Mo	E W Mooney	6653 Enright Ave, University City 5, Mo	PA5-4271
Neb	H G Klug Co., Inc	2029 N. 67th Ave, Omaha 4, Neb	GL1377
NH	Industrial & Scientific Instr Co	107 Old Sudbury Rd, Wayland, Mass	TW3-7453
NJ	L E Roher	39 Delaware Ave, Bloomfield, NJ	PI3-9384
NY	Claude A Gates Co	Box 284, New Rochelle, NY	NE2-1465
NY	Robert F Lamb Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	George O Miller Co	639 S. Warren St, Syracuse 2, NY	HA2-5004
NC	Robert S Hudgins Co	1514 Wendover Rd, Charlotte 7, NC	EM6-4887
Ohio	Clarke H Joy Co	27005 Knickerbocker Rd, Bay Village	TR1-5900
Ohio	Industrial Electronic Laboratories	606 Lagrange St, Toledo, Ohio	CH4-5827
Ohio	Hare Equipment	1720 Section Rd, Cincinnati 37, Ohio	ME1-4703
Okla	Hatfield & Co	Box 7072, Dallas 9, Tex	FL7-5616
Ore	Branom & Leeland Instrument Co	6019 N.E. Union Ave, Portland 11, Ore	BE2-5214
Pa	Bradshaw & Co	311 Ross St, Pittsburgh 19, Pa	CO1-2627
Pa	Aybob Co	Box 4259, Philadelphia 44, Pa	GE8-8736
RI	Archie F Roberts	Box 49, Sandy Hook, Conn	
SC	J D Prevatt	Box 5321, Sta B, Greenville, SC	2-7052
Tenn	W C Gibbs Co	Tre 2, Box 478B, Birmingham 5, Ala	
Tex	Hatfield & Co	Box 7072, Dallas 9, Tex	FL7-5616
Utah	Control Equipment Co	323 W. 14th S., Salt Lake City, Utah	HU4-6011
Vt	Industrial & Scientific Instr Co	107 Old Sudbury Rd, Wayland, Mass	TW3-7453
Va	R A Reitz Jr	2301 N. Charles St, Baltimore 18, Md	BE5-4161
Wash	Branom & Leeland Instrument Co	2137 Second Ave, Seattle, Wash	MA2-7320
W. Va	Bradshaw & Co	311 Ross St, Pittsburgh 19, Pa	CO1-2627
Wisc	Pyro-Matic Industrials	3220 W. National Ave, Milwaukee 15	EV4-9300

	Q-CIRCUITS DIV ETCHING CO OF CALIFORNIA	**1208 Howard St, San Francisco 3, Cal**	**MA1-7670**

	Q O S CORP	**621 E. 216th St, New York 67, NY**	**OL4-3930**

	QVS INC	**20 N. 15 St, East Orange, NJ**	**OR3-3996**
DC	Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Rywel Sales Corp	100 N. Village Ave, Rockville Center	RO4-2666
Pa	M Leff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040

	QUADRIGA MFG CO	**213-33 W. Grand, Chicago 10, Ill**	**DE7-0610**

	QUAKER CITY GEAR WORKS	**Red Lion & Philmont, Bethayres, Pa**	**WI7-0800**

	QUALITY COMPONENTS INC	**St. Marys, Pa**	**TE42-817**

	QUALITY HERMETICS LTD	**45 Hollinger Rd, E. York, Tor, Ont, Can**	**PL7-2869**

	QUALITY PRODUCTS CO	**387 Charles St, Providence 4, RI**	**GA1-8947**

	QUAM NICHOLS CO	**Marquette Rd & Prairie, Chicago 37, Ill**	**HU8-5800**
Ala	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ala	Cartwright & Bean	821 Pontalba, New Orleans, La	AU-2264
Alaska	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland, Ore	AT8-5796
Ariz	Wes Alderson Co	3050 Overland Ave, Los Angeles, Cal	UP0-1030
Ark	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	RI7-2637
Cal	Wes Alderson Co	3050 Overland Ave, Los Angeles, Cal	UP0-1030
Cal	William J Purdy Co	312 Seventh St, San Francisco, Cal	UN3-3300
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Conn	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Del	Trinkle Sales	7675 Maple Ave, Merchantville, NJ	NO3-0303
DC	Trinkle Sales	7675 Maple Ave, Merchantville, NJ	NO3-0303
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	
Ga	Cartwright & Bean	3223 Cains Hill Pl, Atlanta, Ga	CE7-2273
Idaho	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland, Ore	AT8-5796
Ill	Bruce Cumming & Associates	6029 Belmont Ave, Chicago, Ill	WE7-3770
Ill	Jack Kelly Sales Co	972 N. Geyer Rd, Kirkwood, Mo	TA2-1791
Ill	John G Twist Co	5232 Diversey Ave, Chicago, Ill	SP7-2250
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
La	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	RI7-2637
Me	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Md	Trinkle Sales	7675 Maple Ave, Merchantville, NJ	NO3-0303
Mass	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Mich	Wayne Beitel Co	13209 Fenkell, Detroit, Mich	VE8-9100
Minn	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Mont	Dave M Lee Co., Inc	2517 Second Ave, Seattle, Wash	MA2-5512
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Nev	Wes Alderson Co	3050 Overland Ave, Los Angeles, Cal	UP0-1030
NH	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
NJ	Stang Sales Corp	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NJ	Trinkle Sales	7675 Maple Ave, Merchantville, NJ	NO3-0303
NM	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
NY	R E Breuer Co., Inc	10 Columbus Circle, New York, NY	CO5-0440
NY	Bowser & Sapecky	2070 Sheridan Dr, Kenmore, NY	DE0484
NY	Paston-Hunter Co	3307 Erie Blvd, E., Syracuse, NY	GI6-2180
NY	Stang Sales Corp	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
ND	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Ohio	Baehr-Greenleaf & Associates	14700 Detroit Ave, Cleveland, Ohio	LA1-8468
Okla	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	RI7-2637
Ore	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland, Ore	AT8-5796
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Pa	Trinkle Sales	7675 Maple Ave, Merchantville, NJ	NO3-0303
RI	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
SC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
SD	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Tenn	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga	CE7-2273
Tex	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	RI7-2637
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Vt	Stanley A Harris Co	1241 Highland Ave, Needham, Mass	HI4-4780
Va	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Wash	Dave M Lee Co., Inc	2517 Second Ave, Seattle, Wash	MA2-5512
W. Va	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Wisc	Bruce Cumming & Associates	6029 Belmont Ave, Chicago, Ill	WE7-3770
Wyo	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	SK6-1589
Canada	D Eldon McLennan Ltd	1524 W. Third Ave, Vancouver BC, Canada	BA2898
Foreign	O O Mallegg Inc	400 W. Madison St, Chicago, Ill	FR2-4868

	QUAN-TECH LABORATORIES INC	**60 Parsippany Blvd, Boonton, NJ**	**DE4-8500**
Ariz	Hyde Electronics Co	2902 W. Villa St, Phoenix, Ariz	AP8-7266
Cal	A-F Sales Engineering Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
Colo	Hyde Electronics Co	888 S. Lupan St, Denver 23, Colo	WE6-3456
Fla	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	39-8021
Ga	Maitland K Smith Co	208 Fourteenth St, N.W., Atlanta 13, Ga	TR5-8031
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Md	Chet Paddock	8616 Georgia Ave, Silver Spring, Md	JU9-6554
Mass	Cowperthwait & Birdhead	570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Mich	M P Odell Co	10531 W. McNichols Rd, Detroit 21, Mich	UN2-1573
Minn	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
NJ	L & M Associates	P.O. Box 641, Fair Lawn, NJ	DI3-3070
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	L & M Associates	38-25 149th Pl, Flushing 54, NY	HI5-0103
NY	L & M Associates	P.O. Box 51, Centuck Sta, Yonkers, NY	WO1-5566
NY	Engineering Applications Co	237 E. Genesee St, Syracuse 2, NY	HA2-6797
NC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	FR6-5950
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ohio	M P Odell Co	2576 Salem Ave, Dayton 6, Ohio	CR7-4441
Pa	L & M Associates	488 W. Clapier St, Philadelphia, Pa	GE8-5666
Pa	M P Odell Co	750 Pennsylvania Ave, Pittsburgh 21, Pa	FR1-1231
Tex	Electronic & Instrumentation Sales	301 N.W. 3rd St, Grand Prairie, Tex	AN2-2608
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Wash	Paramount Technical Agencies	9210 28th Ave, N.W., Seattle 7, Wash	SU4-6447
Canada	Electrodesign	736 Notre Dame St, W., Montreal, P Q	UN6-7367
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	QUARTZITE PROCESSING INC	**197 Chelsea St, Everett, Mass**	**DU9-8793**

	QUICK CHARGE DIV LINE SCALE CO	**3737 N.W. 37, Oklahoma City, Okla**	**WI6-3307**
Ala	C Guy Keen	Box 988, Meridian, Miss	5978
Ariz	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
Cal	Cecil Martin	127 California Dr, Burlingame, Cal	DI2-6357
Colo	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
Conn	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
Fla	Larry C Grisson	1951 S.W. 23rd Terr, Miami 45, Fla	HI3-6173
Ga	Ray Gandy Co	1542 Westwood Ave, Atlanta 10, Ga	PL5-3343
Idaho	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
Kan	Edward L Rainnig	5107 W. 70th St, Prairie Village, Kan	RA2-0294
La	C Guy Keen	Box 988, Meridian, Miss	5978
Me	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
Mass	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
Mich	Max Docks	9631 Michigan Ave, Detroit 10, Mich	
Mich	R L Perrin	6524 Walker St, Minneapolis 26, Minn	WA6-2293
Minn	R L Perrin	6524 Walker St, Minneapolis 26, Minn	WA6-2293
Miss	C Guy Keen	Box 988, Meridian, Miss	5978
Mo	Edward L Rainnig	5107 W. 70th St, Prairie Village, Kan	RA2-0294
Mont	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
Nev	Cecil Martin	127 California Dr, Burlingame, Cal	DI2-6357
NH	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
NJ	Metro-Automotive Sales Co	4308 New York Ave, Union City, NJ	UN5-5442
NM	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
NC	Warehouse Sales	111 N. Forbis St, Greensboro, NC	BR2-6118
ND	R L Perrin	6524 Walker St, Minneapolis 26, Minn	WA6-2293
Ohio	Automotive Marketing	16013 Madison, Cleveland, Ohio	LA1-6922
Ore	Pratto Sales Co	926 12th Ave, Seattle 22, Wash	EA6-6655
Pa	E R Smith & Associates	3312 Germantown Ave, Philadelphia, Pa	
RI	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
SC	Warehouse Sales	111 N. Forbis St, Greensboro, NC	BR2-6118
SD	R L Perrin	6524 Walker St, Minneapolis 26, Minn	WA6-2293
Tenn	C Guy Keen	Box 988, Meridian, Miss	5978
Utah	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861
Vt	H G Davis	45 Moulton St, Cambridge 38, Mass	UN4-7550
Va	Carl E Sykes Sr	Box 1862, Norfolk, Va	
Wash	Pratto Sales Co	926 12th Ave, Seattle 22, Wash	EA6-6655
W. Va	Carl E Sykes Sr	Box 1862, Norfolk, Va	
Wisc	R L Perrin	6524 Walker St, Minneapolis 26, Minn	WA6-2293
Wyo	J E Watwood	2825 Grape St, Denver 7, Colo	DE3-2861

	QUIETROLE CO	**395 St. John St, Spartanburg, SC**	**8996**
Cal	Wm J Purdy Co	312 Seventh St, San Francisco 3, Cal	UN3-3300
Cal	Wedge-Weber Co	1217 Venice Blvd, Los Angeles 6, Cal	DU7-2111
Colo	Vines & Co	P.O. Box 1025, Denver 1, Colo	TA5-4471
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Fla	Harvey E Antley	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Ill	William J Doyle Co	7002 N. Western Ave, Chicago 45, Ill	RO1-3130
Ind	Kirsch Sales Co	Lafontaine, Ind	115
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Md	Harold A Moyer	152 Vernon Ave, Haddonfield, NJ	HA9-7792
Mass	Harold A Chamberlin	Civilian Air Terminal, Bedford, Mass	CR4-0044
Minn	Forrest J Carleer	Rt 1, Mound, Minn	GR2-2271
Mo	Kelly-Schmitz-Kunkeler Associates	7445 Broadway, Kansas City 14, Mo	EM1-5651
NY	Dillon D Donahue	203 Laforte Ave, Syracuse 5, NY	GR6-2035
NY	Gramercy Sound Association	175 Fifth Ave, New York 10, NY	AL4-0986
NC	Cartwright & Bean	625 Harwyn Dr, Rt 8, Charlotte, NC	FR6-8648
Ohio	Robert W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Pa	Frank P Varussi	312 Spring Valley Rd, Pittsburgh 16, Pa	
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR6-4442
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Wash	C B Parsons & Co	3028 First Ave, Seattle, Wash	MU2-6780
Foreign	Louis D Cohen & Associates	5955 Twin Lakes Dr, South Miami 43, Fla	

	RBM DIV ESSEX WIRE CORP	**Logansport, Ind**	**5121**
Ala	R B M Div Essex Wire Corp	3231 11th Ave, N., Birmingham, Ala	FA4-2526
Ariz	R B M Div Essex Wire Corp	213 N. First Ave, Phoenix, Ariz	AP8-5796
Cal	R B M Div Essex Wire Corp	749 Bryant St, San Francisco 7, Cal	DO2-1038
Cal	R B M Div Essex Wire Corp	1632 Silverlake Blvd, L A 26, Cal	NO3-8028
Conn	R B M Div Essex Wire Corp	1731 Park St, Hartford 6, Conn	AD6-0641
Fla	R B M Div Essex Wire Corp	3007 1/2 Edgewater Dr, Orlando, Fla	GA3-3232
Ga	R B M Div Essex Wire Corp	74 28th St, N.W., Atlanta, Ga	TR4-0689
Ill	R B M Div Essex Wire Corp	418 E. Capitol Ave, Springfield, Ill	LA7-7215
Ill	R B M Div Essex Wire Corp	3501 Addison Ave, Chicago 18, Ill	WO6-4866
Ind	R B M Div Essex Wire Corp	1601 Wall St, Ft. Wayne 6, Ind	EA0311
Ky	R B M Div Essex Wire Corp	2416 Frankfort Ave, Louisville, Ky	TW5-1915
Mich	R B M Div Essex Wire Corp	170 E. South St, Hillsdale, Mich	HE7-3376
Minn	R B M Div Essex Wire Corp	3230 E. Hennepin, Minneapolis 13, Minn	FE9-8561
Mo	R B M Div Essex Wire Corp	5959 St. Louis Ave, St. Louis 20, Mo	EV2-9000
Mo	R B M Div Essex Wire Corp	2000 Forest Ave, Kansas City 8, Mo	HA1-1955
Neb	R B M Div Essex Wire Corp	320 W O W Bldg, Omaha, Neb	AT7280
NJ	R B M Div Essex Wire Corp	457 Frelinghuysen Ave, Newark 5, NJ	BI8-4040
NY	R B M Div Essex Wire Corp	15 Warrington Dr, Rochester 18, NY	BR1-9976
Ohio	R B M Div Essex Wire Corp	1721 Superior Ave, Cleveland 15, Ohio	CH1-5817
Ohio	R B M Div Essex Wire Corp	410 W. First St, Dayton 2, Ohio	BA2-6383
Okla	R B M Div Essex Wire Corp	1610 E. 32nd Pl, Tulsa 5, Okla	RI7-6490
Pa	R B M Div Essex Wire Corp	3530 Forbes Ave, Pittsburgh 13, Pa	MU2-7551
Tenn	R B M Div Essex Wire Corp	648 Riverside Dr, Memphis, Tenn	JA5-6058
Tex	R B M Div Essex Wire Corp	2509 W. Berry St, Ft. Worth 9, Tex	WA4-5588
Wash	R B M Div Essex Wire Corp	11009 Evanston Ave, Seattle 33, Wash	EM0956
Wisc	R B M Div Essex Wire Corp	312 E. Wisconsin Ave, Milwaukee 2, Wisc	BR1-4434
Canada	R B M Div Essex Wire Corp	1664 Windsor Ave, Windsor, Ont, Canada	CL4-6444
Foreign	Lionel-Essex Intl Corp	15 E. 26th St, New York, NY	MU5-1308

	R C L MFG CO	**New Jersey Ave, Riverside 8, NJ**	**HO1-1003**
Colo	Longstreet Smith Associates Inc	1013 19th St, Denver, Colo	KE4-5091
Conn	R H Robinson & Co	P.O. Box 157, Coventry, Conn	PI2-7323
Fla	Paul O Griffin	5601 Florida Ave, Tampa, Fla	TA36-6652
Ill	Louis G Bacher & Associates	4216 W. Division St, Chicago 51, Ill	BE5-6601
Md	Robert Gibson	29 Allegheny Ave, Towson, Md	VA5-3836
NJ	J A Maguire & Co	116 N. 7th St, Camden 2, NJ	WO6-3118

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
NY	Robert W Jackson Co	4446 Main St, Buffalo, NY	CI2094
NC	Willard Lawrence	1707 Avondale Dr, Durham, NC	DU2-8717
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Pa	William Girard	715 Fairview Rd, Glenside, Pa	
	REF MFG CO	**Jericho Tnpk, Mineola, NY**	**PI3-8400**
Ohio	Charles P Haskell	Far Hills Branch, Box 624, Dayton 19	AX8-3331
	R-J AUDIO PRODUCTS	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Garrard Sales Corp		
	R K MFG CO	**P.O Box 98, Centerville, Ill**	**YU5-2311**
DC	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ky	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mo	Harlan J Weisler & Associates	8890 Lackland Rd, St Louis 14, Mo	HA8-3934
NJ	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
NY	Fields & Simon Sales Co	109 Valley Rd, Montclair, NJ	PI6-6717
NY	Martin P Andrews Inc	319 Mott Rd, Fayetteville, NY	NE7-6405
Okla	John W Elder Co	1526 E. 4th St, Tulsa, Okla	DI3-9149
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Tex	Robert W Sinks	P.O. Box 11726, Dallas 18, Tex	
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
	R S ELECTRONICS CORP	**435 Portage Ave, Palo Alto, Cal**	**DA1-1130**
DC	Fred G Harlow	732 Barr Bldg, Wash 6, DC	ST3-2572
	RACAL ENGINEERING LTD	**Western Rd, Bracknell, Berks, England**	**BR941**
DC	W J Zullo	261 Constitutional Ave, N.W., Wash 1, DC	
Mass	W J Zullo	104 Highland Ave, Somerville 43, Mass	
Canada	Instronics Ltd	Box 100, Stittsville, Ontario, Canada	
Foreign	Technical Factors Ltd	92-2 Imazatocho, Tokyo, Japan	
	RACON ELECTRIC CO	**1261 Broadway, New York 1, NY**	**MU4-6250**
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	
Ill	Oreh H Smith Co	221 W. Huron St, Chicago 10, Ill	
Foreign	Jos Plasencia Inc	401 Broadway, New York 13, NY	
	RADA PRODUCTS CO	**2911 W. Carroll Ave, Chicago 12, Ill**	**MEB-0662**
	RADAR DESIGN CORP	**Pickard Dr, Syracuse 11, NY**	**GL4-4418**
	RADAR ENGINEERS	**4719 Brooklyn Ave, Seattle 5, Wash**	**LA5-5355**
	RADAR MEASUREMENTS CORP	**190 Duffy Ave, Hicksville, NY**	**OY1-5680**
Ala	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Alaska	Don Smith Sales	2320 N. 45th St, Seattle, Wash	
Ariz	Francis Associates	249 Crestmont Dr, El Paso, Tex	JU4-2563
Cal	Westron	7407 Melrose Ave, Los Angeles, Cal	WE3-7276
Colo	Lawrence Francis	249 Crestmont Dr, El Paso, Tex	JU4-2563
Conn	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
Del	Holden Engineering & Sales	2822 Cheswolde Rd, Baltimore 9, Md	RO4-3165
DC	Holden Engineering & Sales	2822 Cheswolde Rd, Baltimore 9, Md	RO4-3165
Fla	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Ga	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Ind	Walter Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Kan	McDowell Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
Ky	Walter Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
Me	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
Md	Holden Engineering & Sales	2822 Cheswolde Rd, Baltimore, Md	RO4-3165
Mass	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
Minn	Arthur Luebs	Box 2702, Milwaukee 19, Wisc	GA5-5919
Minn	Arthur Luebs	11216 W. Mallory Ave, Hales Corners, Wisc	
Miss	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Mo	McDowell Redlingshafer Sales Co	3615 Olive St, St. Louis, Mo	JE3-3277
NH	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
NJ	C E Snow Co	919 E. Ellena St, Philadelphia 50, Pa	LI8-8043
NM	Lawrence Francis	249 Crestmont Dr, El Paso, Tex	JU4-2563
NC	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Ohio	Walter J Brauer & Associates	15631 Lakeland Hights Blvd, Cleveland	LA1-7268
Ore	Don Smith Sales	2320 N. 45th St, Seattle, Wash	
Pa	C E Snow Co	919 E. Ellena St, Philadelphia 50, Pa	LI8-8043
RI	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
SC	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Tenn	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	TR5-8031
Tex	Lawrence Francis	249 Crestmont Dr, El Paso, Tex	JU4-2563
Vt	Richard F MacDowell Co., Inc	Box 102, Melrose 75, Mass	NO5-8893
Va	Holden Engineering & Sales	2822 Cheswolde Rd, Baltimore, Md	RO4-3165
Wash	Don Smith Sales	2320 N. 45th St, Seattle, Wash	
W. Va	Holden Engineering & Sales	2822 Cheswolde Rd, Baltimore, Md	RO4-3165
Wisc	Arthur H Luebs	Box 2702, Milwaukee, Wisc	GA5-5919
Wisc	Arthur H Luebs	11216 W. Mallory Ave, Hales Corners, Wisc	
	RADAR RELAY INC	**2322 Michigan Ave, Santa Monica, Cal**	**EX4-2230**
Ariz	Bowen & Carlberg	P.O. Box 3177, Sta D, Albuquerque, NM	AL5-4603
Cal	Thorson Co	2443 Ash St, Palo Alto, Cal	DA1-2414
Cal	Thorson Co	444 Olive St, San Diego, Cal	CY8-8365
Cal	Thorson Co	7361 Melrose Ave, Los Angeles, Cal	WE4-1191
Del	William Cordts	P.O. Box 109, Easton, Pa	2-8300
DC	William Cordts	P.O. Box 109, Easton, Pa	2-8300
Iowa	George E Harris Co	526 Merchants Bank Bldg, Cedar Rapids	EM2-6302
Kan	George E Harris Co	3241 E. Douglas, Wichita, Kan	MU2-2731
Md	William Cordts	P.O. Box 109, Easton, Pa	2-8300
Mass	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Mo	George E Harris Co	7811 Carondelet St, St Louis, Mo	VO3-6550
NH	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
NJ	William Cordts	P.O. Box 109, Easton, Pa	2-8300
NM	Bowen & Carlberg	P.O. Box 3177, Sta D, Albuquerque, NM	AL5-4603
NY	William Cordts	P.O. Box 109, Easton, Pa	2-8300
Tex	George E Harris Co	204 E. Main, Arlington, Tex	CR5-6325
Vt	L R Provencher & Associates	525 Pleasant St, Worcester, Mass	PL3-8187
Wash	Thorson Co	1767 15th Ave, S., Seattle, Wash	EA5-5000
Canada	A R Gardner Sales	P.O. Box 885, Highland Creek, Ontario	EX8-2451
	RADEX CORP	**2076 N. Elston Ave, Chicago 14, Ill**	**AR6-6900**
	RADIAN LABS INC	**P.O. Box 454, Mineola, NY**	**PI2-6364**
	RADIAPHONE CO., INC	**600 E. Evergreen Ave, Monrovia, Cal**	**MU1-0651**
Cal	Richard Franks	2245 Dedora, Los Altos, Cal	YO8-2762
DC	George N Hatch	2700 Connecticut Ave, N.W., Wash 8, DC	DU7-2587
	RADIATION COUNTER LABS INC	**5121 W. Grove St, Skokie, Ill**	**OR3-8700**
Ala	The Ellison Co	632 Healey Bldg, Atlanta, Ga	JA5-0238
Ariz	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
Ark	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA3-4657
Cal	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	M J Seavy & Sons	30 Church St, New York, NY	CO7-8025
Conn	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Del	M J Seavy & Sons	30 Church St, New York, NY	CO7-8025
DC	S S Lee Associates	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	The Ellison Co	632 Healey Bldg, Atlanta, Ga	JA5-0238
Ga	The Ellison Co	632 Healey Bldg, Atlanta, Ga	JA5-0238
Hawaii	Pell Co., Inc	Box 1441, Honolulu, Hawaii	
Idaho	Hyde Electronics Co	2803 Connor St, Idaho Falls, Idaho	IN7-5763
Ky	Engineering Specialties	8115 Camargo Rd, Madeira, Ohio	LO1-6803
La	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA3-4657
Me	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Md	S S Lee Associates	Box 205, Lutherville, Md	VA3-3434
Mass	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Mich	The Satullo Co	4512 N. Woodward, Royal Oak, Mich	LI9-3910
Miss	The Ellison Co	632 Healey Bldg, Atlanta, Ga	JA5-0238
Mont	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Neb	W Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Nev	White & Co	788 Mayview Ave, Palo Alto, Cal	DA1-3350
Nev	Wallace & Wallace	1206 Maple Ave, Los Angeles 15, Cal	RI7-0401
NH	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
NJ	M J Seavy & Sons	30 Church St, New York, NY	CO7-8025
NM	Hyde Electronics Co	5206 Constitution, N.E., Albuquerque	AM8-1111
NY	M J Seavy & Sons	30 Church St, New York, NY	CO7-8025
NC	S S Lee Associates	P.O. Box 906, Winston-Salem, NC	ST8-0431
Ohio	The Satullo Co	16801 Euclid Ave, Cleveland, Ohio	IV5-2800
Ohio	Engineering Specialties	8115 Camargo Rd, Madeira, Cinn 43	LO1-6803
Okla	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA3-4657
Pa	M J Seavy & Sons	30 Church St, New York, NY	CO7-8025
Pa	The Satullo Co	992 Perry Hwy, Pittsburgh 37, Pa	WE1-5200
RI	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
SC	S S Lee Associates	Box 906, Winston-Salem, NC	ST8-0431
Tenn	The Ellison Co	632 Healey Bldg, Atlanta, Ga	JA5-0238
Tex	Mitchell Spears Co	4944 James Ave, Fort Worth 15, Tex	WA3-4657
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	The Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass	LA7-5304
Va	S S Lee Associates	2521 Ennalls Ave, Wheaton, Md	LO5-3066
W. Va	The Satullo Co	992 Perry Hwy, Pittsburgh 37, Pa	WE1-5200
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
	RADIATION DYNAMICS INC	**1800 Shames Dr, Westbury, NY**	**ED4-3990**
Ariz	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Cal	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Colo	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Conn	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
Idaho	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Ill	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Ind	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Ky	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Me	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
Mass	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
Mich	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Mont	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Nev	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
NH	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
NM	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Ohio	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Ore	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
RI	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
Tex	Texas Nuclear Corp	Box 9267, Allandale Sta, Austin 17, Tex	GL3-7288
Utah	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Vt	Applied Technology	7 Vine St, Manchester, Mass	CA7-2700
Wash	C W Reed Co	5959 S. Hoover St, Los Angeles 44, Cal	PL3-2221
Wisc	Ben Z Rubin Co	16130 Meyers Rd, Detroit, Mich	UN4-4958
Wyo	C W Reed Co	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Foreign	C Itoh Co of America	425 Park Ave, New York, NY	PL1-4330
	RADIATION ELECTRONICS CO DIV COMPTOMETER CORP	**5600 W. Jervis, Chicago 48, Ill**	**SP5-2400**
Cal	Berggren & Co	P.O. Box 1103, Palo Alto, Cal	DA6-9681
Cal	Comptometer Corp	6036 L/2 Pacific Blvd, Huntington Park	LU9-5774
Conn	Claude A Gates & Co	27 Locust Ave, New Rochelle, NY	NE2-1465
Ill	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
Iowa	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
La	The Harper Co	3274 Brainard St, Houston 27, Tex	JA4-3995
Mich	Electro Motion Associates	4012 E. 9 Mile Rd, Warren, Mich	JE9-1420
Neb	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
Nev	Berggren & Co	P.O. Box 1103, Palo Alto, Cal	DA6-9681
NJ	Claude A Gates Co	27 Locust Ave, New Rochelle, NY	NE2-1465
NY	Claude A Gates Co	27 Locust Ave, New Rochelle, NY	NE2-1465
Ore	Western Electro-Dynamics	444 Dexterhorton Bldg, Seattle 4, Wash	MA2-4630
Pa	Auto Trols Inc	P.O. Box 11038, Pittsburgh 37, Pa	WE1-4431
Tex	The Harper Co	3274 Brainard St, Houston 27, Tex	JA4-3995
Wash	Western Electro-Dynamics	444 Dexterhorton Bldg, Seattle 4, Wash	MA2-4630
W. Va	Auto Trols Inc	P.O. Box 11038, Pittsburgh 37, Pa	WE1-4431
	RADIATION INC	**Melbourne, Fla**	**PA3-1511**
Cal	W W Orr	1625 Sterlin Blvd, Mountain View, Cal	YO8-8323
Conn	D Casale	1563 Richard Ave, Merrick, NY	FR8-3282
Del	E M Hartley	1737 H St, N.W., Washington 6, DC	EX3-5234
DC	E M Hartley	1737 H St, N.W., Washington 6, DC	EX3-5234
Ill	D V Meyers	333 W. 1st St, Dayton 2, Ohio	BA4-1628
Ind	D V Meyers	333 W. 1st St, Dayton 2, Ohio	BA4-1628
Iowa	D V Meyers	333 W. 1st St, Dayton 2, Ohio	BA4-1628
Ky	E M Hartley	1737 H St, N.W., Washington, DC	EX3-5234
Me	J Petersen	P.O. Box 205, Lyons Falls, NY	LY2843
Md	E M Hartley	1737 H St, N.W., Washington, DC	EX3-5234
Mass	J Petersen	P.O. Box 205, Lyons Falls, NY	LY2843
Mich	D V Meyers	333 W. 1st St, Dayton 2, Ohio	BA4-1628
Minn	D V Meyers	333 W. 1st St, Dayton 2, Ohio	BA4-1628
Mo	D V Meyers	333 W. 1st St, Dayton, Ohio	
NH	J Petersen	P.O. Box 205, Lyons Falls, NY	LY2843
NJ	D Casale	1563 Richard Ave, Merrick, NY	FR8-3282
Ohio	D V Meyers	333 W. First St, Dayton, Ohio	BA4-1628
Ore	W W Orr	1625 Sterlin Rd, Mountain View, Cal	YO8-8323
Pa	D Casale	1563 Richard Ave, Merrick, NY	FR8-3282
RI	D Casale	1563 Richard Ave, Merrick, NY	FR8-3282
Vt	J Petersen	P.O. Box 205, Lyons Falls, NY	LY2843
Va	E M Hartley	1737 H St, N.W., Washington, DC	EX3-5234
Wash	W W Orr	1625 Sterlin Rd, Mountain View, Cal	YO8-8323
W.Va	E M Hartley	1737 H St, N.W., Washington, DC	EX3-5234
Wisc	D V Meyers	333 W. First St, Dayton, Ohio	BA4-1628
	RADIATION INSTRUMENT DEV LAB	**5737 S. Halsted St, Chicago, Ill**	**TR3-2345**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz	WH6-3504
Ark	T W Ecklund	Box 12151, Ft. Worth, Tex	PE8-9773
Cal	Carl A Stone Associates Inc	8971 National Blvd, Los Angeles 34	UP0-7771
Cal	Carl A Stone Associates Inc	825 N. San Antonio Rd, Palo Alto, Cal	DA6-0057
Colo	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3551
Conn	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
Del	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
DC	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Fla	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Hawaii	Kentron Hawaii Ltd	1140 Waimanu St, Honolulu 14, Hawaii	
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ill	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Ind	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Iowa	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Iowa	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Kan	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Ky	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
La	T W Ecklund	Box 12151, Ft Worth, Tex	PE8-9773
Me	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
Md	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Mass	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
Mich	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Minn	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Miss	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Mo	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Mo	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Mont	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Neb	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Nev	Carl Stone Associates Inc	8971 National Blvd, Los Angeles 34, Cal	UP0-7771
NH	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
NJ	Scientific Systems Sales Corp	Box 3, Bayside 61, NY	BA5-0929
NM	Gene French Co	120 San Pedro Dr, S.E., Albuquerque, NM	AM8-2478
NY	Scientific Systems Sales Corp	Box 3, Bayside 61, NY	BA5-0929
NC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
ND	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Ohio	R W Lichtinger Co	2472 Edgerton Rd, Cleveland 18, Ohio	EV2-8210
Okla	T W Ecklund	Box 12151, Ft. Worth, Tex	PE8-9773
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	Scientific Systems Sales Corp	Box 3, Bayside 61, NY	BA5-0929
Pa	R W Lichtinger Co	2472 Edgerton Rd, Cleveland 18, Ohio	EV2-8210
RI	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
SC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
SD	Radiation Engineering Org	306 N. 92nd St, Omaha, Neb	JA5555
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tex	T W Ecklund	Box 12151, Ft. Worth, Tex	PE8-9773
Utah	Gene French Co	120 San Pedro Dr, S.E., Albuquerque, NM	AM8-2478
Vt	Applied Technology Inc	7 Vine St, Manchester, Mass	MA855W
Va	The Jay Co	2420 Wilson Blvd, Arlington 1, Va	JA4-6767
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
W. Va	R W Lichtinger Co	2472 Edgerton Rd, Cleveland 18, Ohio	EV2-8210
Wisc	Central Engineering Sales Co	6272 W. North Ave, Chicago 39, Ill	TU9-7686
Wyo	Gene French Co	3395 S. Bannock St, Englewood, Colo	SU9-3551
Foreign	Intertechnique Div Nucleaire	94 Ave de Paris, Versailles, France	VE950-5562
Foreign	Columbia Imp & Exp Co Ltd	5-1chome, Shiba-Tuma, Tokyo, Japan	TO(59) 7206-9
	RADIATION RESEARCH CORP	**114 First Ave, New York 21, NY**	**TE8-2513**
Foreign	Technical Factors Ltd	P.O. Box 1288, Tokyo Central, Japan	
	RADIO CITY PRODUCTS CO., INC	**Centre & Glendale Sts, Easton, Pa**	**BL8-9122**
Ala	Candor Co	2080 Beach St, Winston Salem, NC	
DC	B Stupar	15 & H St, N.W., Washington, DC	
Fla	Candor Co	2080 Beach St, Winston Salem, NC	
Ga	Candor Co	2080 Beach St, Winston Salem, NC	
NY	Milton Reiner	19 E. 88th St, New York 28, NY	
NC	Candor Co	2080 Beach St, Winston-Salem, NC	
SC	Candor Co	2080 Beach St, Winston-Salem, NC	
Tex	J Earl Smith	P.O. Box 35331, Airlawn Sta, Dallas, Tex	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	RADIO CONDENSER CO	**Camden, NJ**	**EM5-5500**
Ariz	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Ark	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Cal	Carl A Stone Associates	8971 National Blvd, Los Angeles 34, Cal	TE0-0771
Cal	Carl A Stone Associates	825 N. San Antonio Rd, Palo Alto, Cal	DA6-0057
Colo	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Conn	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
Idaho	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Ill	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Ind	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Iowa	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Kan	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Ky	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
La	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Me	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
Mich	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Minn	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Miss	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Mo	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Mont	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Neb	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Nev	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
NH	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
NM	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
NY	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
ND	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Okla	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Ore	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
RI	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
SD	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Tenn	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Tex	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Utah	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Vt	Radio Condenser Co	15 Exchange Pl, Jersey City 2, NJ	CO7-8121
Wisc	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Wyo	Radio Condenser Co	4335 Armitage Ave, Chicago 39, Ill	SP2-4411
Foreign	L L Minthorne Co	15 Moore St, New York 4, NY	BO9-6272
	RADIO CORES INC	**9540 Talley Ave, Oak Lawn, Ill**	**GA2-3353**
	RADIO CORP OF AMERICA ELECTRON TUBE DIV	**415 S. 5th St, Harrison, NJ**	**HU5-3900**
Cal	Radio Corp of America	6355 E. Washington Blvd, L A 22, Cal	RA3-8361
DC	Radio Corp of America	1625 K St, Washington 6, DC	DI7-1260
Ill	Radio Corp of America	Merch Mart Plaza, Chicago 54, Ill	WH4-2900
Mich	Radio Corp of America	714 New Center Bldg, Detroit 2, Mich	TR5-5600
NJ	Radio Corp of America	714 Broad St, Newark 2, NJ	HU5-3900
Ohio	Radio Corp of America	224 N. Wilkinson Blvd, Dayton 2, Ohio	BA6-2366
	RADIO CORP OF AMERICA INDL ELECTRONIC PRODS	**Front & Cooper, Camden, NJ**	**WO3-8000**
	RADIO CORP OF AMERICA SEMICONDUCTOR & MATERIALS DIV	**Rt 202, Box 591, Somerville, NJ**	**RA5-4500**
Cal	RCA	6355 E. Washington Blvd, Los Angeles 22	RA3-8361
DC	RCA	1625 K St, Washington 6, DC	DI7-1260
Ill	RCA	Merchandise Mart Plaza, Chicago 54, Ill	WH4-2900
Mass	RCA	64 A St, Needham Heights 94, Mass	HI4-7200
Mich	RCA	714 New Ctr Bldg, Detroit 2, Mich	TR5-5600
NJ	RCA	744 Broad St, Newark, NJ	HU5-3900
Ohio	RCA	224 N. Wilkinson St, Dayton 2, Ohio	BA6-2366
Tex	RCA	7905 Empire Frwy, Dallas 7, Tex	FL7-8167
	RCA SALES CORP RADIO CORP OF AMERICA SUB	**Cherry Hill, Del Twnship, Camden 8, NJ**	**WO3-8000**
	RADIO DEVELOPMENT & RESEARCH CORP	**100 Pennsylvania Ave, Paterson, NJ**	**LA5-2200**
Ariz	Haskell W Medalie	365 S. Crescent Dr, Beverly Hills, Cal	CR4-2711
Cal	L A Nott & Co	1061 Howard St, San Francisco 3, Cal	HE1-4738
Cal	Paul F Wiley Co	1632 Silver Lake Blvd, Los Angeles 26	NO3-8028
Conn	Francis Jarmuz	12 West Blvd, Bay Park, E. Rockaway, NY	LY9-0844
Del	W H Skerrett	Commercial Trust Bldg, Philadelphia, Pa	LO8-0590
Fla	William F Hemminger Co	694 N.E. 79th St, Miami 38, Fla	PL9-0300
Ill	Donald Lind	P.O. Box 134, Menomonie, Wisc	1392W
Ind	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Me	M Scholnick	P.O. Box 356, Bedford, Mass	CA7-0687
Mass	M Scholnick	P.O. Box 356, Bedford, Mass	CA7-0687
Mich	Edwin F Liddle	18925 Grand River Ave, Detroit 23, Mich	VE7-5310
Minn	Donald Lind	P.O. Box 134, Menomonie, Wisc	1392W
Nev	Robert W Seitzer	1973 St. Francis Way, San Carlos, Cal	LY1-4317
NH	M Scholnick	P.O. Box 356, Bedford, Mass	CA7-0687
NJ	John DiBiasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
NJ	W H Skerrett	Commercial Trust Bldg, Philadelphia, Pa	LO8-0590
NY	John DiBiasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
NY	William Zeisler	RFD 1, Upper Lincklaen St, Cazenovia	OL5-9100
Ohio	Jay Engineering Co	1721 3rd St, Dayton 3, Ohio	CL3-2151
Ohio	Jay Engineering Co	5413 Pearl Rd, Cleveland, Ohio	TU4-4080
Okla	Electro Mechanical Association	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Ore	James Findlay Co	Box 717, Bellevue, Wash	
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Pa	W H Skerrett	Commercial Trust Bldg, Philadelphia, Pa	LO8-0590
RI	M Scholnick	P.O. Box 356, Bedford, Mass	CA7-0687
Tex	Electro Mechanical Association	6115 Denton Dr, Dallas 19, Tex	FL2-3389
Vt	M Scholnick	P.O. Box 356, Bedford, Mass	CA7-0687
Wash	James Findlay Co	Box 717, Bellevue, Wash	
Wisc	Donald Lind	P.O. Box 134, Menomonie, Wisc	1392W
Foreign	Rocke International	13 E. 40th St, New York, NY	MU9-0200
	RADIO ENGINEERING LABS INC	**29-01 Borden Ave, L I City 1, NY**	**ST6-2100**
Cal	Radio Engineering Labs Inc	27-86 B St, San Diego 14, Cal	BE2-0610
DC	Radio Engineering Labs Inc	1025 Connecticut Ave, Wash, DC	DI7-5158
NY	Radio Engineering Labs Inc	R.F.D. 1, Blossvale, NY	RO2-6466R-1
Canada	Ahearn & Soper Co	384 Bank St, Ottawa 4, Canada	CE5-9441
Foreign	Rocke International	13 E. 40th St, New York, NY	MU9-0200
	RADIO FREQUENCY CO., INC	**44 Park St, Medfield, Mass**	**NO7-4900**
Ala	Automation Equipment Co	P.O. Box 5983, Birmingham, Ala	TR9-0483
Ariz	Kellwood Sales Co	3316 Waverly Dr, Los Angeles, Cal	NO5-0140
Cal	Ralph B Lundy	1063 Howard St, San Francisco, Cal	UN3-3110
Cal	Kellwood Sales Co	3316 Waverly Dr, Los Angeles, Cal	NO5-0140
Cal	Magnetics Co	17248 Hatteras, Encino, Cal	DI2-2772
Cal	Laine-Eversoll Co	10835 Santa Monica Blvd, Los Angeles	BR2-2817
Cal	Weeks & Associates	217 Cupertino Way, San Mateo, Cal	FI1-3191
Conn	Radio Frequency Co	767 Havard St, New Britain, Conn	BA3-2167
Del	Research Associates	6526 Upland St, Philadelphia, Pa	SA6-7744
Fla	Automation Equipment Co	P.O. Box 5983, Birmingham, Ala	TR9-0483
Fla	Paul Griffin	5601 Florida Ave, Tampa, Fla	TA3-6652
Ill	David S Delbridge & Associates	P.O. Box 147, Belleville, Ill	AD3-4111
Ind	Production Engrg Sales Co	2003 N. Main St, Dayton 5, Ohio	CR8-4741
Ky	Production Engineering Sales Co	2003 N. Main St, Dayton 5, Ohio	CR6-4741
Me	Gilfron Inc	33 Union St, E. Walpole, Mass	MA8-0670
Md	Charles N Lehr	610 Washington Ave, Towson, Md	VA3-4900
Mass	Gilfron Inc	33 Union St, E. Walpole, Mass	MO8-0670
Mass	Daniel C Cotton	27 King St, Cohasset, Mass	EV3-0651
Mass	General Solids & Associates	167 Fuller St, Brookline, Mass	AS1-0942
NH	Gilfron Inc	33 Union St, E. Walpole, Mass	MO8-0670
NJ	Research Associates	6526 Upland Dr, Philadelphia 42, Pa	SA6-7744
NM	The Magnetics Co	17248 Hatteras St, Encino, Cal	DI2-2772
NY	Stan Morehouse	38 W. Main St, Waterloo, NY	JE9-2272
Ohio	Production Engineering Sales Co	2003 N. Main St, Dayton 5, Ohio	CR8-4741
Ore	Grant Edgel Co	8714 N.E. Siskiyou St, Portland, Ore	AL4-6524
Pa	Stan Morehouse	38 W. Main St, Waterloo, NY	JE9-2272
Pa	Research Associates	6526 Upland St, Philadelphia, Pa	SA6-7744
RI	Gilfron Inc	33 Union St, E. Walpole, Mass	MO8-0670
Tenn	Automation Equipment Co	P.O. Box 5983, Birmingham, Ala	TR9-0483
Tex	L R Ward Co	3009 Canton St, Dallas, Tex	RI1-9904
Tex	Mooney Engineering Co	P.O. Box 7184, Dallas 9, Tex	FL0-6376
Tex	E & M Sales Co	2509 Tolosa Dr, Dallas, Tex	LA1-9927
Vt	Gilfron Inc	33 Union St, E. Walpole, Mass	MO8-0670
Va	Research Associates	6526 Upland St, Philadelphia 42, Pa	SA6-7744
Wash	Alfred E Creek	1405-1406 N.E., Bellevue, Wash	
W.Va	Research Associates	6526 Upland St, Philadelphia 42, Pa	SA6-7744
Wisc	Harris Industrial Sales Co	3125 W. Mill Rd, Milwaukee, Wisc	FL2-7250
Canada	Elder Electronics	541 Brant St, Burlington, Ont, Canada	NE4-0511
	RADIO FREQUENCY LABS INC	**Boonton 2, NJ**	**DE4-3100**
Ala	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Ariz	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Ark	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Cal	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
Colo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	L&M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
Conn	Cowperthwait & Brodhead	570 Hillside Ave, Needham 94, Mass	
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Fla	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Ga	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Hawaii	Kentron Hawaii Ltd	1140 Waimanu St, Honolulu 14, Hawaii	
Idaho	Hawthorne Electronics	Boeing Field, Seattle 8, Wash	PA5-1460
Idaho	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Ill	H Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	H Marsland & Co	6730 E. 19 St, Indianapolis 19, Ind	FL6-4249
Iowa	H Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Kan	Engineering Services Co	4550 Main St, Kansas City 11, Mo	JE1-7765
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Ky	H Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
La	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Me	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hgts, Mass	HI4-9410
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Cowperthwait & Brodhead	570 Hillside Ave, Needham Heights 94	HI4-9410
Mass	Carse Electric Corp	1044 Bway, Albany, NY	HO2-5364
Mich	M P Odell Co., Inc	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Mich	H Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Minn	H Marsland & Co	231 N. Edgewood Ave, Minnpls 27, Minn	LI5-4481
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis 5, Mo	VO3-3661
Neb	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	
Nev	Instruments For Measurements	3455 Cahuenga Blvd, Hollywood 28, Cal	HO9-7294
NH	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hgts, Mass	HI4-9410
NJ	L&M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
NM	Williams & Associates Inc	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	Carse Electric Corp	1044 Bway, Albany, NY	HO2-5364
NY	L&M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
NC	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Ohio	M P Odell Co., Inc	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Ohio	M P Odell Co., Inc	2676 Salem Ave, Dayton, Ohio	CR7-4441
Okla	J Y Schoonmaker Co	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
Pa	L&M Associates	511 Victor St, Saddle Brook, NJ	DI3-3070
Pa	M P Odell Co., Inc	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
RI	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hgts, Mass	HI4-9410
SC	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Tenn	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	AM7-0411
Tex	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Utah	Williams & Associates Inc	2261 Albion St, Denver 22, Colo	SK6-9403
Vt	Cowperthwait & Brodhead	570 Hillside Ave, Needham Hgts, Mass	HI4-9410
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Hawthorne Electronics	Boeing Field, Seattle, Wash	PA5-1460
W. Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	H Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Wyo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
	RADIO INDUSTRIES INC	**666 Garland Pl, Des Plaines, Ill**	**VA7-4402**
Ark	Packard Associates	404 Love Field, Dallas, Tex	
Conn	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
Del	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
DC	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Fla	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Ind	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
Me	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
Md	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Mass	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
Mich	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
NH	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
NJ	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
NJ	J Muckenfuss E J Edmunds	10 Tanner St, Haddon Field, NJ	HA8-4400
NM	Packard Associates	404 Love Field, Dallas, Tex	FL7-5713
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 10, NY	HI5-0450
NY	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
NC	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Ohio	Elmer Jordan	2024 Glen Dr, Jackson, Mich	ST2-0694
Okla	Packard Associates	404 Love Field, Dallas 35, Tex	FL7-5713
Pa	Thomas F Muckenfuss	10 Tanner St, Haddonfield, NJ	HA8-4400
RI	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
Tex	Packard Associates	404 Love Field, Dallas, Tex	FL7-5713
Vt	H G Richter Co	467 Hillside Ave, Westfield, NJ	AD3-4615
Va	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Canada	Automatic Coil Mfg Co Ltd	50 Wingold Ave, Toronto 19, Ontario, Can	RU1-6174
Foreign	Daee Corp	19 E. 44th St, New York 17, NY	MU2-6755
	RADIO MFG ENGINEERS DIV ELECTRO-VOICE INC	**Buchanan, Mich**	**OX5-6831**
Ala	Maitland K Smith	208 14th St, N.W., Atlanta 3, Ga	TR5-8031
Alaska	William Lanphear	3215 Western Ave, Seattle, Wash	AT4-8150
Ariz	I R Stern	4109 Burbank Rd, Burbank, Cal	VI9-1195
Ark	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Cal	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-1652
Cal	I R Stern	4109 Burbank Rd, Burbank, Cal	VI9-1195
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Fla	Maitland K Smith	208 14th St, N.W., Atlanta 3, Ga	TR5-8031
Ga	Maitland K Smith	208 14th St, N.W., Atlanta 3, Ga	TR5-8031
Hawaii	Meyer & Ross	113 10th St, San Francisco, Cal	HE1-1652
Idaho	William Lanphear	3215 Western Ave, Seattle, Wash	AT4-8150
Idaho	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
Ind	Harrison Blind & Associates	5762 Cadillac Dr, Indianapolis, Ind	CH1-9772
Iowa	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	Harrison Blind & Associates	5762 Cadillac Dr, Indianapolis, Ind	CH1-9772
La	Jack Yount Co	1431 Pleasant Dr, Dallas 17, Tex	EX1-1631
Mich	Wayne Bertel	13209 Fenkell, Detroit, Mich	VE8-9100
Minn	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Miss	Richard Bellew	314 Melrose, El Dorado, Ark	UN3-8325
Mo	R W Farris	406 W. 34th St, Kansas City, Mo	PL3-5358
Mont	William Lanphear	3215 Western Ave, Seattle, Wash	AT4-8150
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Neb	R W Farris	406 W. 34th St, Kansas City, Mo	PL3-5358
Nev	Meyer-Ross	113 10th St, San Francisco, Cal	HE1-1652
Nev	I R Stern	4109 Burbank Rd, Burbank, Cal	VI9-1195
NJ	Cardiner Sales	80 Shore Rd, Port Washington, NY	PW7-7700
NM	McLoud & Raymond	5403 E. Evans, Denver, Colo	SK6-1589
NY	Cardiner Sales	80 Shore Rd, Port Washington, NY	PW7-7700
NY	Cardiner Sales	Leroy, Rural Rt 1, Phelps, NY	KI8-4891
NY	Leroy & McGuire	Rural Rt 4, Amsterdam, NY	VI2-5979
NC	James Clymer & Maitland Smith	920 W. Hill St, Charlotte, NC	FR6-5950
ND	Marvin Kirkeby	204 Sunnyridge, Minneapolis, Minn	FR7-3239
Ohio	C L Pugh	Box 5827, Columbus, Ohio	HU8-4855
Okla	Jack Yount	1431 Pleasant Dr, Dallas, Tex	EX1-1631
Ore	Wm Lanphear	3215 Western Ave, Seattle, Wash	AT4-8150
Pa	C L Pugh	P.O. Box 5827, Columbus, Ohio	HU8-4855
SC	Maitland Smith	920 W. Hill St, Charlotte, NC	FR6-5950
SD	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	FR7-3239
Tenn	Richard Bellew	314 Melrose, El Dorado, Ark	UN3-8325
Tenn	Maitland Smith	920 W. Hill St, Charlotte, NC	FR6-5950
Tex	Jack Yount	1431 Pleasant Dr, Dallas, Tex	EX1-1631
Utah	McLoud & Raymond	5403 E. Evans, Denver, Colo	
W. Va	C L Pugh	P.O. Box 5827, Columbus, Ohio	
Wisc	Marvin Kirkeby	204 Sunnyridge Ln, Minneapolis, Minn	
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	
	RADIO MATERIALS CO., A DIV OF P R MALLORY & CO., INC., THE	**3325 N. California Ave, Chicago 18, Ill**	**IR8-3600**
Ariz	Jack Berman Co	8146 N. 1st Ave, Phoenix, Ariz	WH5-9321
Cal	Jack Berman Co	1141 S. Lacienga Blvd, Los Angeles, Cal	OL5-8920
Cal	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Conn	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Fla	Benz Sales Co	P.O. Box 178, North Miami Beach, Fla	FR4-1391
Ind	Joe Baxter	327 Field St, Fort Wayne, Ind	EA5061
Mass	Henry Lavin Associates Inc	82 Curve St, Needham, Mass	HI4-3446
Minn	Helmen Co., Inc Minneapolis	721 W. Lake St, Minneapolis, Minn	TA7-2525
NJ	J Kornberger	P.O. Box 779, Marlton, NJ	EA1-0456
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse, NJ	GR8-2141
NY	Fred Spellman Co	200 Plandome Rd, Manhasset, NY	MA7-3399
Ohio	A C Wahl Co	P.O. Box 213, Lockland, Ohio	VA1-3270
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA6-4148
Pa	J Kornberger	P.O. Box 799, Marlton, NJ	EA1-0456
Tex	Gordon V Peck Co	130 Casalinda Plaza, Dallas, Tex	DA1-6579
Wash	Don H Burcham Co	422 First Ave, W., Seattle, Wash	AT4-7297
Wisc	Gianaras Sales Co	5435 Northwest Hwy, Chicago, Ill	SP4-4600
Canada	J R G McVity	51 Dalewood Rd, Toronto, Canada	HU8-9457
Foreign	Sylvan Ginsbury Ltd (Export)	8 W. 40th St, New York, NY	LO4-7585
	RADIO MERCHANDISE SALES INC	**2016 Broadside Ave, New York 62, NY**	**TY2-6700**
	RADIOMETER	**72 Emdrupvej, Copenhagen, Denmark**	**SO5000**
Ohio	Wellwyn International Inc	3355 Edgecliff Terr, Cleveland 11, Ohio	WI1-1333
Canada	Bach-Simpson Ltd	1255 Brydges St, London, Ontario, Can	GL1-9490
	RADIO SPECIALTY MFG CO	**2023 S.E. Sixth Ave, Portland 14, Ore**	**BE2-8123**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	RADION CORP., THE ..... **345 Terra Cotta Ave, Crystal Lake, Ill** .. **3700**	
Ala	Cartwright & Bean ..... 560 S. Cooper, Memphis, Tenn	
Ariz	Hyde Sales Co ..... 888 S. Lipan St, Denver 23, Colo	
Ark	George Anderson Co ..... 1901 Griffin St, Dallas, Tex	
Cal	Wedge Weber Co ..... 1217 Venice Blvd, Los Angeles, Cal	
Colo	Hyde Sales Co ..... 888 S. Lipan St, Denver 23, Colo	
Conn	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
Del	Ferrell S Carmine ..... 14 Knickerbocker Dr, Newark, Del	
DC	Ferrell S Carmine ..... 14 Knickerbocker Dr, Newark, Del	
Fla	Cartwright & Bean ..... 560 S. Cooper, Memphis, Tenn	
Ga	Cartwright & Bean ..... 560 S. Cooper, Memphis, Tenn	
Idaho	Hyde Sales Co ..... 888 S. Lipan St, Denver 23, Colo	
Ill	J K Rose & Co ..... 1116 Linden Ave, Highland Park, Ill	
Ind	Lawrence Elliott Co ..... 20011 Fairmont Blvd, Cleveland 18, Ohio	
Iowa	Earl Goetze Co ..... 2836 Main St, Kansas City, Mo	
Kan	Earl Goetze Co ..... 2836 Main St, Kansas City, Mo	
Ky	Lawrence Elliott Co ..... 20011 Fairmont Blvd, Cleveland 18, Ohio	
La	George Anderson Co ..... 1901 Griffin St, Dallas, Tex	
Me	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
Md	Ferrell Carmine ..... 14 Knickerbocker Dr, Newark, Del	
Mass	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
Mich	Lawrence Elliott Co ..... 20011 Fairmont Blvd, Cleveland 18, Ohio	
Minn	Edward Hoffman Co ..... 180 N. Snelling, St. Paul, Minn	
Miss	George Anderson Co ..... 1901 Griffin St, Dallas, Tex	
Mo	Earl Goetze Co ..... 2836 Main St, Kansas City, Mo	
Mont	Hyde Sales Co ..... 888 S. Lipan St, Denver, Colo	
Neb	Earl Goetze Co ..... 2836 Main St, Kansas City, Mo	
Nev	Hyde Sales Co ..... 888 S. Lipan St, Denver, Colo	
NH	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
NJ	Leon Adelman Co ..... 25 Chittenden Ave, New York, NY	
NJ	Ferrell S Carmine ..... 14 Knickerbocker Dr, Newark, Del	
NM	Hyde Sales Co ..... 888 S. Lipan St, Denver, Colo	
NY	Leon Adelman Co ..... 25 Chittenden, New York, NY	
NY	Maury Farber Associates ..... 700 W. Chippewa St, Buffalo, NY	
NC	Cartwright & Bean ..... 560 S. Cooper, Memphis, Tenn	
ND	Edward Hoffman Co ..... 180 N. Snelling, St. Paul, Minn	
Ohio	Lawrence Elliott Co ..... 20011 Fairmont Blvd, Cleveland 18, Ohio	
Okla	George Anderson Co ..... 1901 Griffin St, Dallas, Tex	
Ore	Robert J Chaffer ..... 1633 N.W. 21st St, Portland 11, Ore	
Pa	Ferrell S Carmine ..... 14 Knickerbocker Dr, Newark, Del	
Pa	Maury Farber Associates ..... 700 W. Chippewa St, Buffalo, NY	
Pa	Hy Mates ..... 5510 Hobart St, Pittsburgh, Pa	
RI	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
SC	Cartwright & Bean ..... 560 S. Cooper St, Memphis, Tenn	
SD	Edward Hoffman Co ..... 180 N. Snelling Ave, St. Paul, Minn	
Tenn	Cartwright & Bean ..... 560 S. Cooper St, Memphis, Tenn	
Tex	George Anderson Co ..... 1901 Griffin St, Dallas, Tex	
Utah	Hyde Sales Co ..... 888 S. Lipan St, Denver 23, Colo	
Vt	Wm A Hendrickson Co ..... 291 1st Parrish Rd, Scituate, Mass	
Va	Ferrell Carmine Co ..... 14 Knickerbocker Dr, Newark, Del	
Wash	Robert J Chaffer ..... 1633 N.W. 21st St, Portland 11, Ore	
W. Va	Hy Mates ..... 5510 Hobart St, Pittsburgh, Pa	
Wisc	Eugene Loeb ..... 5052 N. Shoreland Ave, Milwaukee, Wisc	
Wyo	Hyde Sales Co ..... 888 S. Lipan St, Denver, Colo	
	RADIONICS INC ..... **76 Cambridge St, Burlington, Mass** **BR3-1233**	
	RADIX WIRE CO ..... **26260 Lakeland Blvd, Cleveland 32, Ohio**	**RE1-9191**
Cal	F F Alleman Co ..... 1625 Blake Ave, L A, Cal	CA2-8128
Cal	Brill Electric Sales ..... 446 Bryant St, San Francisco, Cal	
Cal	Kobert & Co ..... 331 Winston St, L A, Cal	MA8-7235
Ga	Hayes & Noe ..... 1920 Buford Hwy, Atlanta, Ga	TR3-1613
Ill	Gage & Co ..... 818 Clinton P, Evanston, Ill	UN4-8012
Ill	R A Hanke ..... 2666 N. Cicero Ave, Chicago, Ill	EA7-2234
Ind	R O Whitesell & Co ..... 6620 E. Washington St, Indianapolis	FL9-5374
Mich	E J Kerschen ..... 628 Pallister, Detroit, Mich	TR1-9229
Mich	B R Tibedeau ..... 15756 Kentfield, Detroit, Mich	
Minn	The Hermann Co ..... 1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Mo	R E Myers & Son ..... 504-506 Louderman Bldg, St. Louis, Mo	MA1-2743
NJ	Martin Associates ..... Box 17, Ft. Lee, NJ	WI7-3377
NY	Nash & Cornell ..... 49 W. 32nd St, New York 1, NY	PE6-3800
NY	A C Shultz & Co ..... 76 S. Long St, Buffalo 21, NY	SP5078
Ohio	Gregory & Flynn ..... 4501 Perkins Ave, Cleveland 3, Ohio	
Ohio	Gregory & Flynn ..... 7807 Greenbriar Ln, Cincinnati 43, Ohio	SY1-8307
Ore	Bruce-Emmett Co ..... 830 S.E. Ander, Portland 14, Ore	
Pa	Gregory & Flynn ..... 11201 Frankstown Rd, Pittsburgh 35, Pa	CH2-2442
Pa	Herb Fried Sales Co ..... 8023 Temple Rd, Philadelphia, Pa	LI9-4392
Tex	Fain Associates ..... 3201 Oak Ln, Dallas, Tex	HA8-7468
	RAE MOTOR CORP ..... **2009 Kewaunee St, Racine, Wisc** **ME3-7741**	
Cal	Electric Motor Engineering ..... 8255 Beverly Blvd, Los Angeles, Cal	OL1-3220
Conn	Alexander Norden ..... P.O. Box 131, Jamaica Plain, Mass	JA4-1657
Ill	Stanley Gorski ..... Chicago, Ill	JR3-2753
Ind	Harry W Applegate ..... Rt 6, Spring Lake, Greenfield, Ind	HO2-5737
Mass	Alexander Norden ..... P.O. Box 131, Jamaica Plain, Mass	JA4-1657
Mich	Robert W Reed ..... P.O. Box 27, Marshall, Mich	ST1-7267
Minn	The Edey Co ..... 1302 Fifth Ave, S., Minneapolis, Minn	FE3-2813
Mo	Gordon Fixman ..... 8160 Stanford Ave, St. Louis, Mo	PA5-5219
NJ	Frederick Kent ..... 31 Iozia Terr, E. Paterson, NJ	WA7-4911
NY	R A Boehm Co ..... 58 Brooklyn Ave, Merrick, NY	FR8-6040
NY	Dynatherm Inc ..... 607 W. Commercial St, E. Rochester, NY	LU6-0082
Ohio	Steve J Vereb ..... 4619 E. 93rd St, Cleveland, Ohio	
Pa	H C Shute ..... 61 Steeplechase Rd, Devon, Pa	MU8-2732
RI	Alexander Norden ..... P.O. Box 131, Jamaica Plain, Mass	JA4-1657
Tex	Corwin Associates ..... 1210 Old Gate Ln, Dallas, Tex	DA1-2800
	RAHM INSTRUMENTS DIV AMER MACH & METALS INC ..... **65 Rushmore St, Westbury, NY** **ED3-4840**	
Cal	American Machine & Metals Inc ..... 11973 San Vicente Blvd, Los Angeles	GR2-9584
Cal	American Machine & Metals Inc ..... 24692 Townsend Ave, Hayward, Cal	JE8-6118
Colo	Edwin P Cook Co ..... 845 Wyandot St, Denver 2, Colo	AM6-3067
DC	American Machine & Metals Inc ..... 1333 G St, N.W., Wash 5, DC	RE7-3875
Ga	American Machine & Metals Inc ..... 215 Church St, Decatur, Ga	DR3-9766
Ill	American Machine & Metals Inc ..... 600 S. Michigan Ave, Chicago 5, Ill	HA7-0977
Mass	American Machine & Metals Inc ..... 30 Huntington Ave, Boston 16, Mass	KE6-0121
Minn	American Machine & Metals Inc ..... 411 S. Cedar Lake Rd, Minneapolis 5	FR7-0750
Mo	R Wohltman Co ..... 4115 Manchester Ave, St. Louis 10, Mo	OL2-5950
NY	American Machine & Metals Inc ..... 54 Gruner Rd, Buffalo 25, NY	KE8080
NY	American Machine & Metals Inc ..... 233 Broadway, New York 7, NY	RE2-3822
Ohio	American Machine & Metals Inc ..... 1010 Euclid Bldg, Cleveland 15, Ohio	TO1-0612
Pa	United States Gauge ..... Sellersville, Pa	AL7-6531
Tex	American Machine & Metals Inc ..... 1607 Jefferson Ave, Houston 2, Tex	CA4-1236
Canada	Brian Engineering Ltd ..... 5275 Van Horne Ave, Montreal 29, Que	RE7-2800
Canada	Brian Engineering Ltd ..... 2773 Dufferin St, Toronto 19, Ont, Can	RU7-5441
	RAILWAY COMMUNICATIONS INC .. **9351 E. 59 St, Raytown, Mo** **FL3-2100**	
Ill	Cunningham Associates ..... 435 Addison Ave, Elmhurst, Ill	TE2-0905
Md	Tessco Inc ..... P.O. Box 6892, Towson, Md	VA5-3431
Ore	Richard Legg Co ..... 1633 N.W. 21st Ave, Portland, Ore	CA3-9720
Wash	Richard Legg Co ..... 1565 Sixth Ave, S., Seattle, Wash	MU2-7764
	RAM ELECTRONICS INC ..... **600 Industrial Ave, Paramus, NJ** **CO1-6900**	
Ala	Threlkeld-Duckett Associates ..... P.O. Box 733, Birmingham, Ala	TR1-6642
Cal	Harris-Koetke Sales Co ..... 204 E. Hillsdale Blvd, San Mateao, Cal	FI1-2903
Cal	R E Osborne ..... 1757 Garfield Ave, S. Pasadena, Cal	RY1-3175
Colo	Koether-Cox Co ..... 110 W. 13th Ave, Denver 4, Colo	MA3-3544
Fla	Smith-Duckett Associates ..... P.O. Box 1646, Stuart, Fla	AT7-1252
Ga	Grady Duckett Sales Co ..... P.O. Box 11657, Atlanta 5, Ga	CE3-5308
Ill	J J McBride Sales Co ..... 328 Burlington St, Riverside, Ill	HI7-8131/2
Ind	Joe Clancy Co ..... Box 269, Angola, Ind	AN793
Md	Albert F Schaar ..... 425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	Near Inc ..... 99 Highland Ave, Somerville 43, Mass	UN4-3974
Mich	V E Wollang ..... Box 212, Utica, Mich	RE2-7815
Minn	Clark R Gibb ..... 2400 Hennepin Ave, Minneapolis, Minn	FE8-2550
Mo	Kelly-Schmitz-Winkeler Associates ..... 7449 Broadway, Kansas City, Mo	HI4-2013
Mo	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	OL2-6455
NY	A Friedman Associates ..... 188-16 Jamaica Ave, Hollis, NY	SP6-4800
NY	Gage Corp ..... 219 E. 44th St, New York, NY	MU2-6755
NC	Fanning-Duckett Associates ..... P.O. Box 11402, Charlotte 9, NC	
Ohio	Tom Carney ..... Box 8007 Maple Valley Sta, Akron, Ohio	JN4-0848
Pa	Eberle-Schaar Co ..... R D 1, Lewisberry, Pa	PO6-3995
Pa	Hy Mates ..... 5510 Hobart, Pittsburgh, Pa	HA1-8998
Tex	W R Hays Co ..... 3416 Rosedale, Dallas, Tex	EM3-2021
Wash	Don Smith Sales Co ..... 2320 N. 45th St, Seattle 3, Wash	ME3-3160
Canada	Teleequipment Mfg Co Ltd ..... Box 844, London, Ont, Canada	GE9-8871
	RAM METER INC ..... **1100 Hilton Rd, Ferndale, Detroit 20, Mich** **LI7-1000**	
	RAMPE MFG CO ..... **14915 Woodworth Ave, Cleveland 10, Ohio** **MU1-2800**	
	RAMYR MFG CO ..... **1779 N. Main St, Los Angeles 31, Cal** .. **CA3-1071**	
	RANDALL INC., DOUGLAS ..... **6 Pawcatuck Ave, Westerly, RI** **LY5-5757**	
Wisc	Douglas Randall Midwest ..... Box 52, Genoa City, Wisc	BR9-6500
	RANGERTONE INC ..... **73 Winthrop St, Newark, NJ** **HU5-2550**	
Cal	Van Leuwin & Associates ..... 7122 Melrose Ave, Hollywood 46, Cal	
Ill	Behrend Cine Corp ..... Chicago, Ill	MI2-2281
NY	Camera Equipment ..... 315 W. 43rd St, New York, NY	JU6-1420
Wash	Shrader Sound ..... 2801 M St, N.W., Washington, DC	
	RANK CINTEL LTD ..... **Worsley Bridge Rd, London S.E. 26, Eng** **HI4600**	
NJ	Marconi Instruments ..... 111 Cedar Ln, Englewood, NJ	LO7-0607
	RANSOM RESEARCH INC ..... **374 W. B St, San Pedro, Cal** **TE2-1128**	
Cal	West Eleven Inc ..... 8961 Sunset Blvd, Los Angeles 46, Cal	CR4-7578
Conn	Bradley Associates Inc ..... 215 W. 88 St, New York 24, NY	SU7-7227
NJ	Bradley Associates Inc ..... 215 W. 88 St, New York 24, NY	SU7-7227
NY	Bradley Associates Inc ..... 215 W. 88 St, New York 24, NY	SU7-7227
Okla	The Kantenberger Co ..... 711 Reuerchon Dr, Dallas 11, Tex	WH8-9535
Tex	The Kantenberger Co ..... 711 Reuerchon Dr, Dallas 11, Tex	WH8-9535
Wash	Roger L Ransom ..... U of Wash, Dept Economics, Seattle 5	LA4-6000
	RANTEC CORP ..... **23999 Ventura Blvd, Calabasas, Cal** **DI7-5446**	
Ark	Industrial Associated Electronics Inc ..... Fort Worth, Tex	JE5-2056
Kan	Industrial Associated Electronics Inc ..... Wichita, Kan	AM5-2567
La	Industrial Associated Electronics Inc ..... Fort Worth, Tex	JE5-2056
NM	Industrial Associated Electronics Inc ..... Albuquerque, NM	CH3-3585
Okla	Industrial Associated Electronics Inc ..... Fort Worth, Tex	JE5-2056
	RAPID ELECTRIC CO ..... **2881 Middletown Rd, Bronx 61, NY** **TA8-2200**	
Ill	Jacob Hay Co ..... 4014 W. Parker St, Chicago, Ill	CA7-8800
Mich	George L Nankervis Co ..... 15300 Fullerton Ave, Detroit 27, Mich	VE8-5780
NY	E R P Associates ..... P.O. Box 23, Fayetteville, NY	CH6690
Pa	Shop Materials Co ..... 733 Washington Rd, Pittsburgh, Pa	LO3-6300
Pa	G V Morris Co ..... 2109 Necro Ave, Philadelphia 28, Pa	GE8-0377
Tex	Southwestern Controls ..... 4716 Eli St, Houston 7, Tex	UN2-8874
	RAPID SPECIALTIES CO ..... **327 W. Huron St, Chicago 10, Ill** **DE7-1440**	
	RAPIDESIGN INC ..... **Box 429, Burbank, Cal** **VI9-5007**	
	RATTRAY & CO., GEORGE ..... **116-08 Myrtle Ave, Richmond Hill, NY** .. **VI6-8250**	
Alaska	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
Ariz	Carl E Holmes Co ..... 107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Ariz	Carl E Holmes Co ..... 1436 El Camino Real, Menlo Park 10, Cal	
Cal	Carl E Holmes Co ..... 107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Cal	Carl E Holmes Co ..... 1436 El Camino Real, Menlo Park 10, Cal	
Colo	Franklin Sales Co ..... 2149 S. Clermont St, Denver, Colo	SK7-1371
Conn	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
DC	Millette Associates ..... 517 Braxton Pl, Alexandria, Va	KI9-2450
Fla	Benz Sales Co ..... P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Hawaii	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
Idaho	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
Ill	Hill & Gray Inc ..... 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	R Kimball ..... 3017 Westminster, Dallas, Tex	LA1-7876
Ill	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Ind	Scott & Steffen Inc ..... 915 N. Pennsylvania Ave, Indianapolis 4	ME5-8951
Iowa	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Kan	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Ky	Scott & Steffen Inc ..... 366 Francis Bldg, Louisville 2, Ky	JU3-3220
Me	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
Md	Millette Associates ..... 517 Braxton Pl, Alexandria, Va	KI9-2450
Mass	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
Mont	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
Minn	Edw Hoffman Co ..... 216 Liberty Bank Bldg, St. Paul 4, Minn	MI5-4662
Mo	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Neb	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
Okla	Automatic Gen Electronic Sales Inc ..... 6550-B Troost Ave, Kansas City 10, Mo	DE3-8206
NH	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
NJ	Howard Strand ..... 813 71st St, Brooklyn 28, NY	TE3-6631
NY	Howard Strand ..... 813 71st St, Brooklyn 28, NY	TE3-6631
NY	David S Launt ..... 200 Sunney Crest Rd, Syracuse, NY	HE7-3795
ND	Edw Hoffman Co ..... 216 Liberty Bank Bldg, St. Paul 4, Minn	MI5-4662
Ohio	Scott & Steffen Inc ..... 1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	R Kimball ..... 3017 Westminster, Dallas, Tex	LA1-7876
Ore	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
Pa	Scott & Steffen Inc ..... 507 Liberty Ave, Pittsburgh 22, Pa	GR1-5233
RI	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
SD	Edw Hoffman Co ..... 216 Liberty Bank Bldg, St. Paul 4, Minn	MI5-4662
Tex	R Kimball ..... 3017 Westminster, Dallas, Tex	LA1-7876
Vt	John J Goode Associates ..... 44 Ledgwood Rd, Weston 93, Mass	CE5-0552
Va	Millette Associates ..... 517 Braxton Pl, Alexandria, Va	KI9-2450
Wash	Ray Johnston Co ..... 11009 Evanston Ave, Seattle, Wash	EM0956
W. Va	Scott & Steffen Inc ..... 1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Wisc	Hill & Gray Inc ..... 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wyo	Franklin Sales Co ..... 2149 S. Clermont St, Denver, Colo	SK7-1371
Canada	John Herring & Co Ltd ..... 3468 Dundas St, W., Toronto, Canada	RO2-9824
Foreign	Benz Sales Co ..... P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
	RAULAND-BORG CORP ..... **3535 W.Addison St, Chicago 18, Ill** **CO7-1300**	
	RAULAND CORP ZENITH SUB ..... **4245 N. Knox Ave, Chicago 41, Ill** **MU5-5000**	
Ala	Maitland K Smith Co ..... 1710-C Valley Ave, Birmingham 9, Ala	TR9-7197
Alaska	Dave M Lee Co., Inc ..... 2517 2nd Ave, Seattle, Wash	MA2-5512
Ariz	R L Stone Sales Co ..... 8971 National Blvd, Los Angeles 34, Cal	UP0-5973
Ark	Terwilliger Sales Co ..... 9304 High Dr, Kansas City 15, Mo	MI9-0188
Cal	Nickerson-Gray & Associates Inc ..... P.O. Box 295, Sta A, Palo Alto, Cal	DA6-0152
Cal	R L Stone Sales Co ..... 8971 National Blvd, Los Angeles 34, Cal	UP0-5973
Colo	Koether-Cox Co ..... 1325 S. Inca St, Denver 23, Colo	PE3-5561
Conn	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
Del	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
DC	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
Fla	Maitland K Smith Co ..... 322 Riverside Dr, Ormond Beach, Fla	OR7-2298
Ga	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Hawaii	R L Stone Sales Co ..... 8971 National Blvd, Los Angeles 34, Cal	UP0-5973
Idaho	Dave M Lee Co ..... 2517 2nd Ave, Seattle 1, Wash	MA2-5512
Ill	J J McBride Sales Co ..... 328 E. Burlington St, Riverside, Ill	HI7-8131
Ind	J J McBride Sales Co ..... 328 E. Burlington St, Riverside, Ill	HI7-8131
Ind	Joe Clancy & Co., Inc ..... P.O. Box 269, Angola, Ind	793
Iowa	J J McBride Sales Co ..... 328 E. Burlington St, Riverside, Ill	HI7-8131
Kan	Terwilliger Sales Co ..... 9304 High Dr, Kansas City 15, Mo	MI9-0188
Ky	Joe Clancy & Co., Inc ..... P.O. Box 269, Angola, Ind	793
La	Al S Engelman Co ..... 3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Me	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
Md	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
Mass	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
Mich	Grant Shaffer ..... 14241 Fenwell, Detroit 27, Mich	BR3-5390
Minn	A J Warner Co ..... 5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Miss	Al S Engelman Co ..... 3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Mo	Terwilliger Sales Co ..... 9304 High Dr, Kansas City 15, Mo	MI9-0188
Mont	Dave M Lee Co ..... 2517 2nd Ave, Seattle 1, Wash	MA2-5512
Neb	Terwilliger Sales Co ..... 9304 High Dr, Kansas City 15, Mo	MI9-0188
Neb	Koether-Cox Co ..... 1325 S. Inca St, Denver 23, Colo	PE3-5561
Nev	Nickerson-Gray & Associates Inc ..... P.O. Box 295, Sta A, Palo Alto, Cal	DA6-0152
Nev	R L Stone Sales Co ..... 8971 National Blvd, Los Angeles 34, Cal	UP0-5973
NH	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
NJ	A Friedman & Associates ..... 188-16 Jamaica Ave, Hollis 23, NY	SP6-4800
NJ	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
NM	Koether-Cox Co ..... 1325 S. Inca St, Denver 23, Colo	PE3-5561
NY	A Friedman & Associates ..... 188-16 Jamaica Ave, Hollis 23, NY	SP6-4800
NY	Leo Jacobson Co., Inc ..... 1366 Kenmore Ave, Buffalo 23, NY	DE0442
NC	Maitland K Smith Co ..... 920 W. Hill St, Charlotte 8, NC	FR6-5950
ND	A J Warner Co ..... 5022 29th Ave, Minneapolis 17, Minn	PA9-7371
Ohio	Joe Clancy & Co., Inc ..... 789 Orlando Ave, Akron 20, Ohio	UN4-0848
Okla	Terwilliger Sales Co ..... 9304 High Dr, Kansas City 15, Mo	MI9-0188
Ore	Dave M Lee Co., Inc ..... 2527 N.E. Union Ave, Portland 12, Ore	AT8-5786
Pa	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
Pa	Hy Mates ..... 5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
RI	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
SC	Maitland K Smith Co ..... 920 W. Hill St, Charlotte 8, NC	FR6-5950
SD	A J Warner Co ..... 5022 29th Ave, S., Minneapolis 17, Minn	PA9-7371
Tenn	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Tenn	Al S Engelman Co ..... 3205 Crump Ave, Memphis 12, Tenn	GL8-6263
Tex	Wyborny Sales Co ..... 408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Utah	Koether-Cox Co ..... 1325 S. Inca St, Denver 23, Colo	PE3-5561
Vt	W B Pray Sales ..... 44 Washington St, Wellesley Hills, Mass	CE5-3199
Va	Sam A Jeffries Inc ..... 105 Forest Ave, Narberth, Pa	MO4-8500
Wash	Dave M Lee Co., Inc ..... 2517 Second Ave, Seattle 1, Wash	MA2-5512
W. Va	Hy Mates ..... 5510 Hobart St, Pittsburg 17, Pa	HA1-8998
Wisc	J J McBride Sales Co ..... 328 E. Burlington St, Riverside, Ill	HI7-8131
Wyo	Koether-Cox Co ..... 1325 S. Inca St, Denver 23, Colo	PE3-5561
Foreign	Scheel International Inc ..... 5909 N. Lincoln Ave, Chicago 45, Ill	LO1-7832
Foreign	Zenith Radio Corp ..... 6001 W. Dickens Ave, Chicago 39, Ill	BE7-7500
	RAWAY BEARING CO., INC ..... **139-141 Chrystie St, New York 2, NY** **WA5-8150**	
	RAWSON ELECTRICAL INSTRUMENT CO ..... **111 Potter St, Cambridge 42, Mass** **KI7-4041**	
	RAYBESTOS-MANHATTAN INC ..... **61 Willett St, Passaic, NJ** **GR3-2000**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	RAYCHEM CORP	**Oakside at Northside, Redwood City, Cal**	**EM9-3376**
Alaska	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Cal	Raychem Corp	11313 W. Washington Blvd, L A 66, Cal	UP0-9158
Conn	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Conn	C F Vasin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
Del	Samuel K Mac Donald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
DC	Samuel K Mac Donald Inc	14th St & Park Rd, N.W., Wash, DC	CO5-3938
Idaho	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Ky	Baehr Greenleaf & Associates Inc	7960 Mitchell Farm Ln, Cincinnati, Ohio	TW1-3827
Me	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Md	Samuel K Mac Donald Inc	2016 Winford Rd, Baltimore 14, Md	ID5-1760
Mass	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Mo	R W Farris Co., Inc	8000 Bonhomme, St. Louis 5, Mo	PA6-4770
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
NH	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
NJ	C F Vasin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NJ	Samuel K Mac Donald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
NY	Frank W Taylor Co., Inc	4455 Genesee St, DeWitt 14, NY	GI6-0422
NY	C F Vasin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NC	Russ Diethert Co., Inc	Box 510, Gastonia, NC	UN5-3771
Ohio	Baehr Greenleaf & Associates Inc	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Ohio	Baehr Greenleaf & Associates Inc	3350 Maplewood Dr, Xenia, Ohio	CH4-5485
Ohio	Baehr Greenleaf & Associates Inc	7960 Mitchell Farm Ln, Cincinnati 42	TW1-3827
Okla	James S Neely	Box 9822, Fort Worth, Tex	MA6-5371
Ore	Burt Porter Co	P.O. Box 7854, Portland 12, Ore	AT4-1718
Pa	Samuel K Mac Donald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Pa	Samuel K Mac Donald Inc	335 Fifth Ave, Pittsburg Pa	AT1-2253
RI	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
SC	Russ Diethert Co., Inc	P.O. Box 510, Gastonia, NC	UN5-3771
Tenn	Russ Diethert Co., Inc	P.O. Box 510, Gastonia, NC	UN5-3771
Tex	James S Neely	P.O. Box 9822, Fort Worth, Tex	MA6-5371
Vt	Schaal Associates Inc	11 Muzzey St, Lexington, Mass	VO2-3578
Wash	Burt Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Samuel K Mac Donald Inc	335 Fifth Ave, Pittsburg, Pa	AT1-2253
Wisc	Russ Diethert Co., Inc	1324 W. Wisconsin Ave, Milwaukee, Wisc	DI2-7484
	RAYCLAD TUBES INC	**Oakside at Northside, Redwood City, Cal**	**EM9-3376**
	For manufacturers representatives see Raychem Corp listings		
	RAYLINE INC	**161 First St, Mineola, NY**	**PI2-5353**
Ala	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Ariz	G M Hinton	P.O. Box 6434, Phoenix, Ariz	
Ark	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Cal	Wirt B King	2500 Woolsey St, Berkley 5, Cal	TH1-2866
Colo	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Conn	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Del	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
DC	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Fla	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Ga	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Idaho	Carmine Vignola Associates	P.O. Box 569, Jefferson City, Mo	5-1023
Ill	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	AM2-5584
Ind	Great Lakes Representatives	29678 Ravine Dr, Livonia, Mich	
Iowa	Carmine Vignola Associates	P.O. Box 569, Jefferson City, Mo	5-1023
Kan	Carmine Vignola Associates	P.O. Box 569, Jefferson City, Mo	5-1023
La	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Me	Surpless Dunn & Appleyard, Inc	57 Leonard St, New York 13, NY	BA7-4770
Md	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Mass	Surpless Dunn H Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Mich	Great Lakes Representatives	29678 Ravine Dr, Livonia, Mich	
Miss	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Mo	Carmine Vignola Associates	P.O. Box 569, Jefferson City, Mo	5-1023
Mont	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Neb	Carmine Vignola Associates	P.O. Box 569, Jefferson City, Mo	5-1023
NH	Surpless Dunn & Appleyard Inc	57 Leonard St, New York13, NY	BA7-4770
NJ	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
NM	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
NY	Surpless Dunn H Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
NC	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Ohio	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Okla	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Ore	Arthur J Rud	P.O. Box 1988, Portland, Ore	
Pa	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
RI	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
SC	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Tenn	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Tex	Delzell-Maynard Sales Co	2013 Cedar Springs, Dallas 1, Tex	RI2-2027
Utah	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
Vt	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Va	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Wash	Arthur J Rud	P.O. Box 1988, Portland, Ore	
W. Va	Surpless Dunn & Appleyard Inc	57 Leonard St, New York 13, NY	BA7-4770
Wisc	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	AM2-5584
Wyo	W B Golliher	1559 Chester St, Aurora 8, Colo	EM6-0208
	RAYMOND ENGINEERING LAB INC	**Smith St, Middletown, Conn**	**DI7-5611**
Cal	Eabert Engineering Associates	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Cal	Meredith Engineering Associates	385 E. Green St, Pasadena, Cal	MU1-9957
	RAY-O-VAC CO DIV OF ELECTRIC STORAGE BATTERY CO	**212 E. Washington Ave, Madison, Wisc**	**AL5-7201**
Cal	Ray-O-Vac Co	111 Sutter St, San Francisco 4, Cal	
NY	Ray-O-Vac Co	1775 Broadway, New York 19, NY	
Tenn	Ray-O-Vac Co	1388 Madison Ave, Memphis 4, Tenn	
	RAYPAR INC	**7800 W. Addison St, Chicago, Ill**	**TU9-3700**
Cal	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 35, Cal	UP0-6116
Cal	Logan & Logan	254 Twelfth St, San Francisco, Cal	PL6-0992
Del	Ferrell S Carmine	14 Knickerbocker Dr, Newark, Del	
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO7-9646
Ill	Earl T Champion Associates	6459 N. Sheridan Rd, Chicago 26, Ill	AM2-3565
Ill	Gianaras Sales Co	5435 Northwest Hwy, Chicago 30, Ill	SP4-4600
Ind	Doug Cook & Associates	3055 N. Meridian St, Indianapolis, Ind	WA6-6611
Ind	Ralph Roussey Associates	426 Edgewood Pl, River Forest, Ill	FO9-6523
Minn	Nick J Laub Co	3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
NY	Kubrick & Yurman	475 S. Franklin St, Hempstead, NY	IV3-7230
NY	William Lichter Co	26 Teakwood Ln, Roslyn, NY	MA1-2636
Tex	Lloyd C Cole	P.O. Box 504, Denton, Tex	DU2-6017
Foreign	Sylvan Ginsbury Limited	8 W. 40th St, New York 18, NY	LO4-7585
	RAY PROOF CORP	**843 Canal St, Stamford, Conn**	**DA5-2201**
Ala	Shearer & Rayford	2504 Old Shell Rd, Mobile, Ala	GR9-4581
Ariz	Wholesalers Inc	300 S. 12th St, Phoenix, Ariz	AL4-5503
Ark	John F Brett & Co	315 W. Markham St, Little Rock, Ark	FR5-4928
Colo	Builders Service Bureau Inc	1221 Bannock St, Denver, Colo	TA5-5244
DC	James A Cassidy Co	3329 8th St, N.E., Washington, DC	HU3-8300
Fla	Henderson & Johnson	389 Granello Ave, Coral Gables, Fla	HI8-4486
Fla	E F Zibell	6134 Stetson Rd, Jacksonville, Fla	EX8-2862
Ga	L E Murray	Box 11975, Northside Sta, Atlanta, Ga	CE3-3375
Ill	Walter W Mitchell Co., Inc	549 W. Randolph St, Chicago, Ill	CE6-3085
Ill	Hugh J Baker & Co	Citizens Bldg, Decatur, Ill	2-2810
Ind	Hugh J Baker Co	2901 E. Oak St, Evansville, Ind	GR7-1491
Ind	Hugh J Baker & Co	602 W. McCarty St, Indianapolis 6, Ind	ME5-3322
Iowa	Lemke Builders Supply Co	Walnut Bldg, Des Moines, Iowa	AT2-9611
Kan	Contractors Supply	703 E. 15th St, Wichita, Kan	AM7-2771
Ky	John W Bishop	5530-A S. Third St, Louisville, Ky	EM6-1691
La	McDougall-Parsons Co., Inc	909 S. White St, New Orleans 25, La	JA2-3685
La	Ideal Building Materials Inc	1730 Claiborne Ave, Shreveport, La	7-0521
Md	Charles Ingram & Co	2437 N. Calvert St, Baltimore, Md	TU9-2443
Mass	Construction Specialties Co	126 Massachusetts Ave, Boston, Mass	CO7-1503
Mich	M W Hamill Co	1430 Larned St, Detroit, Mich	WO1-0534
Mich	H Edward Brunhoff Jr	520 Gladstone S.E., Grand Rapids, Mich	GL2-4808
Minn	Bartley Sales Co., Inc	134 S. 10th St, Minneapolis, Minn	FE8-7838
Mo	B D R Engineering Corp	4234 Pennsylvania Ave, Kansas City, Mo	JE1-8366
Mont	Construction Materials Co	Box 198, Butte, Mont	2-7782
Neb	Earl S Lewis & Co., Inc	Woodmen of the World Bldg, Omaha, Neb	AT1633
NC	W Fred Casey & Co	401 S. Mint St, Charlotte, NC	ED3-5820
NC	W Fred Casey & Co	P.O. Box 1131, Raleigh, NC	TE3-0517
Ohio	Hume Sales Inc	1900 Euclid Ave, Cleveland 15, Ohio	CH1-6668
Ohio	Columbia Sales Agency	21 S. Limestone St, Springfield, Ohio	FA3-0277
Okla	Scovil & Sublett Inc	100 N.E. 26th St, Oklahoma City, Okla	JA8-6365
Okla	Murray R Womble Co	216 E. 16th St, Tulsa, Okla	LU4-2414
Ore	W H Cress Co	201 Concord Building, Portland, Ore	CA8-1714
Pa	R P Campbell	508 N. 17th St, Harrisburg, Pa	CE6-7924
Pa	M O Sundelius	1321 Arch St, Philadelphia, Pa	LO7-2984
Pa	Builders Specialties Co	951 Century Bldg, Pittsburgh, Pa	AT1-1890
Tenn	Hale Specialties Inc	1077 Duncan Ave, Chattanooga, Tenn	MA4-3391
Tenn	Builders Specialties Co., Inc	1523 Demonbreun St, Nashville, Tenn	AL6-0325
Tex	R J DeWees & Son Inc	5911 Maple Ave, Dallas, Tex	FL2-4181
Tex	Electrical & Mechanical Supply Co	2000 Texas St, El Paso, Tex	KE2-4614
Utah	S A Roberts & Co	109 W. 2nd S. St, Salt Lake City, Utah	EM4-4431
Va	John K Messersmith Co., Inc	13 S. 2nd St, Richmond, Va	ME3-2827
Va	Eldridge Cundiff Inc	P.O. Box 1888, Roanoke, Va	DI3-2501
Wash	Bradley-Zesbaugh Inc	523 White-Henry-Stuart Bldg, Seattle	MA3-5065
Wisc	J M Mitchell Products Co	759 N. Milwaukee St, Milwaukee, Wisc	BR6-6152
Canada	Western Porcelain & X-Ray Prot	11611 106th Ave, Edmonton, Alberta, Can	884482
Foreign	International General Electric	P.O. Box 3387, Santurce, Puerto Rico	
	RAYTHEON CO., COMMERCIAL APPAR & SYSTEMS DIV	**100 River St, Waltham, Mass**	**TW9-8400**
Cal	Raytheon Co	5236 Santa Monica Blvd, LA, Cal	NO5-4221
Ill	Raytheon Co	9501 W. Grand Ave, Franklin Park, Ill	NA5-4000
Md	Raytheon Co	100 Roesler Rd, Glen Burnie, Md	SO1-0450
NJ	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	LO7-4911
NY	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	WI7-6400
Ohio	Raytheon Co	3076 W. 117 St, Cleveland, Ohio	WI1-7716
	RAYTHEON CO DISTRIBUTOR PRODUCTS DIV	**411 Providence Trnpk, Westwood, Mass**	**DA6-7700**
Ala	George O. Jesse Associates	1108 Farm Ave, Birmingham, Ala	
Ala	Forbes Distributing Co	2600 3rd Ave, Birmingham, Ala	
Ala	Forbes Distributing Co	57 N. Washington Ave, Mobile, Ala	
Ariz	Radio Specialties & Appliance Corp	917 N. 7th St, Phoenix, Ariz	AL8-6121
Ariz	Standard Radio Parts, Inc	218 N. First Ave, Tucson, Ariz	MA3-4326
Cal	Raytheon Co	44 W. 41st Ave, San Mateo, Cal	
Cal	Perlmuth Electronic Associates	5057 W. Washington Blvd, LA 16, Cal	
Cal	Valley Electronic Supply Co	1302 W. Magnolia Blvd, Burbank, Cal	VI9-3944
Cal	R.V. Weatherford Co	6921 San Fernando Rd, Glendale, Cal	VI9-2471
Cal	Hollywood Radio Supply, Inc	5606 Hollywood Blvd, Hollywood, Cal	HO4-8321
Cal	Newark Electric Co	Box 4217, Inglewood, Cal	OR7-1127
Cal	Graybar Electric Co	210 Anderson St, Los Angeles, Cal	AN3-7282
Cal	Kierulff Electronics Corp	820 W. Olympic Blvd, Los Angeles, Cal	RI8-2444
Cal	Brill Electronics	610 E. 10th St, Oakland, Cal	TE2-6100
Cal	Elmar Electronics	140 11th St, Oakland, Cal	TE4-3311
Cal	Zack Electronics	525 High St, Palo Alto, Cal	DA6-5432
Cal	Radio Parts Co	2060 India St, San Diego, Cal	
Cal	Fortune Electronics	1321 Mission St, San Francisco, Cal	UN1-2434
Cal	Santa Monica Radio Parts Corp	1517 Second St, Santa Monica, Cal	EX3-8231
Colo	Ron Bowen & Associates	721 S. Broadway, Denver 9, Colo	
Colo	Santa Monica Radio Parts Corp	1517 Second St, Santa Monica, Cal	EX3-8231
Conn	J.V. Electronics	690 Main St, E. Haven, Conn	HO9-1310
DC	Electronic Industrial Sales Inc	2400 North St, N.W., Washington, DC	HU3-5200
DC	Kenyon Electronic Supply Co	2020 14th St, N.W., Washington DC	DE2-5800
Fla	Hammond Electronics, Inc	533 W. Central, Orlando, Fla	
Fla	East Coast Radio & TV Co	1900 N.W. Miami Ct, Miami, Fla	FR1-4636
Fla	Goddard Distributors, Inc	1309 Dixie, W. Palm Beach, Fla	TE3-5701
Ga	Raytheon Co	1202 Zonolite Rd, N.E., Atlanta 6, Ga	
Hawaii	Radio Wholesale & Supply Co	610 Ward Ave, Honolulu, Hawaii	
Ill	Raytheon Co	9501 Grand Ave, Franklin Park, Ill	
Ill	E.R. Haines	949 Lake St, Oak Park, Ill	
Ill	Allied Radio Corp	100 W. Western Ave, Chicago, Ill	HA1-6800
Ill	Newark Electric Co	223 W. Madison St, Chicago, Ill	ST2-2944
Ind	Raytheon Co	3599 S. East St, Indianapolis 22, Ind	
Ind	Graham Electronics Supply Inc	122 S. Senate St, Indianapolis, Ind	ME4-8486
Md	Raytheon Co	100 Roesler Rd, Glen Burnie, Md	
Md	Wholesale Radio Parts Co., Inc	308 W. Redwood St, Baltimore, Md	MU5-2134
Mass	A.E. Akeroyd Co	John Hancock Building, Boston 16, Mass	
Mass	Cramer Electronics, Inc	811 Boylston St, Boston, Mass	CO7-4700
Mass	Demambro Radio Supply Co	1095 Commonwealth Ave, Boston, Mass	AI4-9000
Mass	Lafayette Radio Corp. of Mass	110 Federal St, Boston, Mass	HU2-7850
Mass	Electrical Supply Corp	205 Alewife Brook Pkwy, Cambridge, Mass	UN4-6300
Mich	Raytheon Co	7430 Second Ave, Detroit, Mich	
Mich	Wedemeyer Electronic Supply Co	215 N. Fourth Ave, Ann Arbor, Mich	NO2-4457
Mich	Ferguson Electronic Supply Co	2306 Puritan, Detroit, Mich	WO1-2262
Minn	Raytheon Co	6121 Excelsior Blvd, Minneapolis 10, Minn	
Minn	Electronic Expditers Inc	218 Washington Ave, N., Minneapolis	FE8-7597
Minn	Gopher Electronics Co		
Minn	Northwest Radio & Electr Supply Co	52 S. 12th St, Minneapolis, Minn	
Miss	Ellington Radio, Inc	P.O. Box 8038, Jackson, Miss	
Mo	Raytheon Co	29 N. Meramec, Clayton 5, Mo	
Mo	Burstein - Applebee Co	1012 McGee St, Kansas City, Mo	BA1-1155
NJ	Raytheon Co	P.O. Box 8, Englewood, NJ	
NM	R.G. Bowen Co	2228-A San Mateo Blvd, N.E., Albuquerque	
NM	Radio Specialties Co., Inc	209 Pennsylvania Ave, Alamogordo, NM	NE7-0370
NM	Radio Specialties Co., Inc	6323 Acoma, S.E., Albuquerque, NM	AM8-3901
NY	Raytheon Co	2360 James St, Syracuse 6, NY	
NY	Genesee Radio & Parts Co., Inc	2590 Delaware Ave, Buffalo, NY	DE 9661
NY	Arrow Electronics, Inc	525 Jericho Tpke, Mineola, L.I., NY	PI6-8686
NY	N.L. Dalis, Inc	35-35 24th St, New York City, NY	EM1-1100
NY	Stack Electronic Supply Co., Inc	45 Washington St, Binghamton, NY	
NY	Sunset Div., Wehle Electronics, Inc	3670 Sheridan Dr, Buffalo, NY	
NY	Trojan Electronic Supply Co., Inc	15 Middleburg St, Troy, NY	
NY	Milo Electronics Corp	530 Canal St, New York, NY	BE3-2980
NY	Sun Radio & Electronics Co., Inc	650 Sixth Ave, New York, NY	OR5-8600
NY	Terminal Electronics, Inc	236 W. 17th St, New York, NY	CH3-5200
NC	Raytheon Co	237 S. Tryon St, Charlotte, NC	
NC	Dalton-Heee Radio Supply Co	938 Burke St, Winston-Salem, NC	
Ohio	Raytheon Co	3076 W. 117th St, Cleveland 11, Ohio	
Ohio	Raytheon Co	Bryson Building, Columbus 15, Ohio	
Ohio	United Radio Inc	1314 Vine St, Cincinnati, Ohio	CH1-6530
Ohio	Main Line Cleveland, Inc	1260 E 38th St, Cleveland, Ohio	EX1-1800
Ohio	Pioneer Electronic Supply Co	2115 Prospect Ave, Cleveland, Ohio	SU1-9411
Ohio	Buckeye Electronic Distributors Inc	242 E. Long St, Columbus, Ohio	CA8-3265
Ohio	Srepco, Inc	413 Leo St, Dayton, Ohio	BA4-3871
Okla	Raytheon Co	2611 E. 41st St, Tulsa, Okla	
Okla	S & S Radio Supply	537 S. Kenosha Ave, Tulsa, Okla	LU2-7173
Ore	Don H. Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	
Ore	Lou Johnson Co., Inc	1506 N.W. Irving, Portland, Ore	CA2-9551
Pa	Raytheon Co	1125 Old York Rd, Abington, Pa	
Pa	Raytheon Co	408 Beaver St, Sewickley, Pa	
Pa	Marks Parts Co	Braddock Ave, Braddock, Pa	EL1-1314
Pa	Almo Radio Co	913 Arch St, Philadelphia, Pa	WA2-5918
Pa	Radio Electric Service Co	7th & Arch Sts, Philadelphia, Pa	WA5-5840
Pa	George D. Barbey Co., Inc	2nd & Penn Sts, Reading, Pa	WA5-5840
Tenn	Bondurant Brothers Co	906 Sevier Ave, Knoxville, Tenn	3-9144
Tex	Raytheon Co	7728 Long Point Rd, Houston 24, Tex	
Tex	Raytheon Co	2720 W. Mockingbird Ln, Dallas, Tex	
Tex	Graybar Electric Co	717 S. Good-Latimer, Dallas, Tex	RI2-6451
Tex	Harrison Equipment Co	1422 San Jacinto St, Houston, Tex	CA4-9131
Tex	Central Electronics	4117 Maple Ave, Dallas, Tex	
Utah	Ron Bowen & Associates	463 E. 3rd S., Kearns 18, Utah	
Utah	Standard Radio Supply	225 E. 6th S. St, Salt Lake City, Utah	EL5-2971
Va	Priest Electronics	6431 Tidewater Dr, Norfolk, Va	MA7-4534
Wash	Don H. Burcham Co	422 First Ave W., Seattle, Wash	
Wash	Western Electronic Supply Co	717 Dexter Ave, Seattle, Wash	AT4-0200
W. Va	Meyers Electronics, Inc	813 Blue Field Ave, Blue Field, W. Va	DA5-9151
Wisc	Electronic Expeditors, Inc	811 E. Vienna Ave, Milwaukee, Wisc	WO4-8820
Canada	Raytheon-Canada, Ltd	61 Laurel St E., Waterloo, Ontario	
	RAYTHEON CO INDUSTRIAL COMPONENTS DIV	**45 Chapel St, Newton 58, Mass**	**BI4-7500**
Cal	Raytheon Co	5236 Santa Monica Blvd, LA 29, Cal	NO5-4221
Fla	Raytheon Co	1612 E. Colonial Dr, Orlando, Fla	GA3-1553
Ill	Raytheon Co	9501 Grand Ave, Franklin Park, Ill	NA5-4000
Md	Raytheon Co	100 Roesler Rd, Glen Burnie, Md	SO1-0450
Mass	Raytheon Co	45 Chapel St, Newton 58, Mass	BI4-7500
NJ	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	LO7-4911
NY	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	WI7-6400
Tex	Raytheon Co	2720 W. Mocking Bird Ln, Dallas, Tex	FL1-4185
Canada	Raytheon Canada Ltd	61 Laurel St E., Waterloo, Ont	SH3-5281
	RAYTHEON CO MICROWAVE & POWER TUBE DIV	**Foundry Ave, Waltham 54, Mass**	**TW9-8400**
Cal	Raytheon Co	5236 Santa Monica Blvd, Los Angeles	NO5-4221
Ill	Raytheon Co	9501 Grand Ave, Franklin Park, Ill	NA5-4000
Md	Raytheon Co	100 Roesler Road, Glen Burnie, Md	SO1-0450
NJ	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	LO7-4911
NY	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	WI7-6400
	RAYTHEON CO RECEIVING TUBE DIV	**465 Centre St, Quincy 69, Mass**	**GR9-5300**
Ill	Raytheon Co	9501 Grand Ave, Franklin Park, Ill	NA5-4000
Mass	Raytheon Co	465 Centre St, Quincy 69, Mass	GR9-5300
NJ	Raytheon Co	210 Sylvan Ave, Englewood, NJ	LO7-4911
NY	Raytheon Co	210 Sylvan Ave, Englewood, NJ	WI7-6400
	RAYTHEON CO SEMICONDUCTOR DIV	**215 1st Ave, Needham Hgts 94, Mass**	**HI4-6700**
Cal	Raytheon Co	44 41st Ave, San Mateo, Cal	FI1-7711
Cal	Raytheon Co	5236 Santa Monica Blvd, LA, Cal	NO5-4221
DC (Wash)	Raytheon Co	1000 16th St, N.W., Washington, DC	ME8-5205
Fla	Raytheon Co	1612 Colonial Dr, E., Orlando, Fla	GA3-0518
Ill	Raytheon Co	9501 Grand Ave, Franklin Park, Ill	NA5-4000
Md	Raytheon Co	100 Roesler Rd, Glen Burnie, Md	SO1-0450
NJ	Raytheon Co	Box 8, Englewood, NJ	LO4-4911
NY	Raytheon Co	2360 James St, Syracuse, NY	HO3-9141

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ohio	Raytheon Co	3076 W. 117th St, Cleveland, Ohio	WI1-7716
	RAYTHEON CO SPECIAL MICROWAVE DEVICE OPER	**Waltham Indl Pk, Waltham 54, Mass**	**TW9-8080**
NJ	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	LO7-4911
NY	Raytheon Co	210 Sylvan Ave, Englewood Cliffs, NJ	WI7-6400
	REA CO., INC., J B	**2202 Broadway, Santa Monica, Cal**	**EX3-3768**
	REA MAGNET WIRE CO., INC	**3610 Pontiac St, Ft. Wayne, Ind**	**AN5201**
Cal	Rea Magnet Wire Co., Inc	3136 E. 11th St, Los Angeles 23, Cal	AN1-8101
Conn	Ronald Jones	P.O. Box 267, Branford, Conn	HU8-3022
Ga	Rea Magnet Wire Co., Inc	1956 Greystone Rd, N.W., Atlanta 18, Ga	TR5-5002
Ill	Rea Magnet Wire Co., Inc	5932 Gunnison St, Chicago 30, Ill	AV3-2608
Kan	Charles H Funk	P.O. Box 203, Hartford, Kan	HA4441
Mass	John V Muddle & Associates	74 Union St, Ashland, Mass	TR3-7091
Minn	O J Lenmark	610 Plymouth Bldg, Minneapolis 2, Minn	FE3-3388
Mo	Rea Magnet Wire Co., Inc	7600 Carondelet Ave, Clayton 5, Mo	PA6-6455
NJ	Rea Magnet Wire Co., Inc	Hwy 22 & County Line Rd, Somerville	RA2-2300
Okla	John H Cole	1825 W. Main St, Oklahoma City 2, Okla	CE2-3171
Tex	Seco Electric Supply Co	Grand & Trunk Ave, Dallas, Tex	HA8-2116
Wisc	E C Winkenwerder	5932 Gunnison St, Chicago 30, Ill	PE6-1332
	READY-POWER CO	**11231 Freud Ave, Detroit 14, Mich**	**VA2-1717**
Ala	Ready-Power Co	1625 S. Rendon St, New Orleans, La	UN6-1155
Ariz	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Ark	Ready-Power Co	1625 S. Rendon St, New Orleans, La	UN6-1155
Cal	Ready-Power Co	3370 E. Florence Ave, Huntington Park	LU5-2883
Colo	Ready-Power Co	1110 Brentwood Blvd, St. Louis 17, Mo	PA5-4315
Conn	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
DC	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Idaho	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Ill	Ready-Power Co	8043 Stony Island, Chicago 17, Ill	SO6-9232
Iowa	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Kan	Ready-Power Co	1110 Brentwood Blvd, St. Louis 17, Mo	PA5-4315
La	Ready-Power Co	1625 S. Rendon St, New Orleans, La	UN6-1155
Me	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
Mass	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
Minn	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Miss	Ready-Power Co	1625 S. Rendon St, New Orleans, La	UN6-1155
Mo	Ready-Power Co	1110 Brentwood Blvd, St. Louis 17, Mo	PA
Mont	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Neb	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Nev	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
NH	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
NJ	Ready-Power Co	P.O. Box 344, Ridgewood, NJ	GI4-5392
NM	Ready-Power Co	P.O. Box 4971, Dallas 6, Tex	TA7-4308
NY	Ready-Power Co	P.O. Box 344, Ridgewood, NJ	GI4-5392
ND	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Okla	Ready-Power Co	P.O. Box 4971, Dallas 6, Tex	TA7-4308
Ore	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Pa	Ready-Power Co	18 W. Chelton, Philadelphia 44, Pa	VI8-5511
Pa	Ready-Power Co	1915 Brownsville Rd, Pittsburgh, Pa	TU2-1300
RI	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
SD	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
Tex	Ready-Power Co	3820 Wentwood Dr, Dallas 25, Tex	DR4-6787
Utah	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Vt	Ready-Power Co	258 Park Square Bldg, Boston 16, Mass	DE8-7174
Wash	Ready-Power Co	3370 E. Florence, Huntington Park, Cal	LU5-2883
Wisc	Ready-Power Co	4250 N. 72nd St, Milwaukee 16, Wisc	HO3-1812
Wyo	Ready-Power Co	1000 Grand Ave, Des Moines 9, Iowa	AT3-1320
	RECORDIO CORP	**Charlotte, Mich**	**485**
Ala	Lee Coggan	940 Artwood Rd, N.E., Atlanta 7, Ga	
Ariz	J C O'Donnell Co	2700 W. Evans, Denver, Colo	WE4-8652
Ark	Farmer-White Co	1308 Clay Ave, Houston, Tex	
Cal	Herb Krauss	1645 S. La Cienega Blvd, Los Angeles 35	
Colo	J C O'Donnell Co	1645 La Cienega Blvd, L A 35, Cal	
DC	S & S Sales Co	10913 Oakwood St, Washington, DC	
Ga	Lee Coggan	940 Artwood Rd, N.E., Atlanta 7, Ga	
Hawaii	Barstow & Doran Inc	1406 S. Grand Ave, Los Angeles 15, Cal	
La	Farmer-White Co	1308 Clay Ave, Houston, Tex	
Md	S & S Sales Co	10913 Oakwood St, Washington, DC	
Miss	Farmer-White Co	1308 Clay Ave, Houston, Tex	
Mont	J C O'Donnell Co	2700 W. Evans, Denver, Colo	
NJ	Max Horowitz Associates	1133 Broadway, New York, NY	
NY	Max Horowitz Associates	1133 Broadway, New York, NY	
Okla	Farmer-White Co	1308 Clay Ave, Houston, Tex	
Tex	Farmer-White Co	1308 Clay Ave, Houston, Tex	
Utah	J C O'Donnell Co	2700 W. Evans, Denver, Colo	
Va	S & S Sales Co	10913 Oakwood St, Washington, DC	
Wyo	J C O'Donnell	2700 W. Evans, Denver, Colo	
	RECOTON CORP	**52-35 Barnett Ave, Long Island City 4, NY**	**DE5-3344**
	RECTICO INC	**963 Frelinghuysen Ave, Newark 5, NJ**	**BI3-8738**
NJ	Onore Co	Union, NJ	MU7-0620
NY	A Clarfield	Roosevelt, NY	FR9-3836
	RED BANK DIV BENDIX AVIATION CORP	**Eatontown, NJ**	**LI2-2000**
Cal	Bendix W. Coast Sales & Service	117 E. Providencia Ave, Burbank, Cal	VI9-3961
DC	Bendix Aviation Corp	1701 K St, N.W., Washington, DC	RE7-3118
Ill	Bendix Aviation Corp	2N565 York Rd, Elmhurst, Ill	BR9-5050
Md	Bendix Aviation Corp	338 Stanmore Rd, Baltimore 12, Md	VA5-1277
Mass	Bendix Aviation Corp	17 Ruxton Rd, Mattapan, Mass	CU6-1694
Mass	Bendix Aviation Corp	4 Lloyd Rd, Tewksbury, Mass	UL1-7495
Ohio	Bendix Aviation Corp	1900 Hulman Bldg, Dayton, Ohio	BA6-2341
Tex	Bendix Aviation Corp	2505 Mockingbird Ln, Dallas, Tex	FL1-5411
Wash	Bendix Aviation Corp	8425 First Ave, S., Seattle 8, Wash	PA5-9100
	RED DEVIL MFG CO	**1402 N.Ogden Ave, Chicago 10, Ill**	**MI2-5161**
	RED POINT CORP	**105 W.Spazier Ave, Burbank, Cal**	**TH2-4895**
Cal	John Crevelt	1434 Mitchell Way, Redwood City, Cal	EM8-5512
Ill	Harry Halinton	5500 W. Devon Ave, Chicago 30, Ill	RO3-2132
NJ	Porduction Engineering Corp	173 Sargeant Ave, Clifton, NJ	GR3-5161
Wisc	Engineering Sales Co	2225 N. Humboldt Ave, Milwaukee, Wisc	
	REDIFON LTD	**Broomhill Rd, Wandsworth, London S.W. 18, England**	**VA7281**
Canada	Redifon Canada	6301 Park Ave, Montreal, Quebec, Canada	
	REDMAN ELECTRONICS CORP	**P. O. Box 72, Thompsonville, Conn**	**RI5-0024**
	REDMOND CO., INC	**201 Monroe St, Owosso, Mich**	**SA5-5151**
Cal	Redmond Co., Inc	139 Illinois St, El Segundo, Cal	OR8-3867
Ill	Redmond Co., Inc	6525 W.N. Ave, Oak Park, Ill	VI8-5721
NJ	Redmond Co., Inc	850 Broad St, Newark 5, NJ	MI2-3990
Ohio	Redmond Co., Inc	1720 Section Rd, Cincinnati 37, Ohio	ME1-3153
Tex	Redmond Co., Inc	5531 Dyer St, Dallas 6, Tex	EM8-4461
	REEDER & CO., CHARLES M	**173 Victor Ave, Detroit 3, Mich**	**TO8-8348**
	REEVE ELECTRONICS INC	**609 W.Lake St, Chicago 6, Ill**	**RA6-9755**
Cal	Harry Gerin	3074 LaFayette St, Santa Clara, Cal	CH8-8190
Cal	Wm R Guyer	1300 W. 110th St, Los Angeles 44, Cal	PL5-2702
Conn	W J Palocsik	23 Gilbert Dr, Long Hill, Trumbull	AM8-4801
Del	Henry W Braun	422 Washington Bldg, Wash 5, DC	JE4-6489
DC	Henry W Braun	422 Washington Bldg, Wash 5, DC	JE4-6489
Md	Henry W Braun	422 Washington Bldg, Wash 5, DC	JE4-6489
Mich	Webco Inc	15756 Wyoming Ave, Detroit 38, Mich	UN2-4673
Mich	T M Jacobowitz Associates	16451 Woodward Ave, Highland Pk 3, Mich	TO8-5369
NJ	Electronic & Television Consultants	P.O. Box 47, Highbridge Sta, New York, NY	CY3-8082
NY	Jawesco Inc	535 Buffalo Rd, Rochester 11, NY	BE5-2920
NY	Electronic & Television Consultants	P.O. Box 47, Highbridge Sta, New York, NY	CY3-8082
RI	W J Palocsik	23 Gilbert Dr, Long Hill, Trumbull, Conn	AM8-4801
Tex	Wilson Toler & Co., Inc	4101 San Jacinto, Houston 4, Tex	KE4169
Va	Henry W Braun	422 Washington Bldg, Wash 5, DC	JE4-6489
	REEVES-HOFFMAN DIV	**145 Cheery St, Carlisle, Pa**	**CH 3-5929**
Ariz	P L Carter Associates Inc	219 S. Hinton Rd, Scottsdale, Ariz	WH5-3611
Cal	R L Pflieger	1652 Laurel St, San Carlos, Cal	LY1-0395
Del	J N Barrett Associates	704 Federal St, Camden 3, NJ	EM5-2680
DC	R E J Associates	1804 Holly Hill Dr, Falls Church, Va	JE4-4804
Ill	Bauman & Bluzat	2753 W. North St, Chicago, Ill	HU6-6809
Ind	Bauman & Bluzat	2753 W. North St, Chicago, Ill	HU6-6809
Me	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Mass	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Mich	Bauman & Bluzat	2753 W. North St, Chicago, Ill	HU6-6809
Nev	R L Pflieger	1652 Laurel St, San Carlos, Cal	LY1-0395
NH	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
NJ	J N Barrett Associates	704 Federal St, Camden 3, NJ	EM5-2680
NJ	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
NM	P L Carter Associates Inc	219 S. Hinton Rd, Scottsdale, Ariz	
NY	S & M Associates	595 Broad Ave, Ridgefield, NJ	WH5-0080
NY	Mid-State Research Sales Inc	327 Wellesley Rd, Syracuse 7, NY	GR6-0541
NC	R E J Associates	1804 Holly Hill Dr, Falls Church, Va	JE4-4804
Pa	J N Barrett Associates	704 Federal St, Camden 3, NJ	EM5-2680
SC	R E J Associates	1804 Holly Hill Dr, Falls Church, Va	JE4-4804
Vt	Howard Jappe	37 Hillcrest Rd, Wakefield, Mass	CR6-4816
Wisc	Bauman & Bluzat	2753 W. North St, Chicago, Ill	HU6-6809
	REEVES INSTRUMENT CORP	**Roosevelt Field, Garden City, NY**	**PI6-8100**
Ariz	Reeves Instrument Corp	1216 5th St, Santa Monica, Cal	EX5-3289
Cal	Reeves Instrument Corp	1216 5th St, Santa Monica, Cal	EX5-3289
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4645
DC	Reeves Instrument Corp	1826 Jefferson Pl, N.W. Washington, DC	FE8-1747
Idaho	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4645
Ill	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	JU8-2613
Ind	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	JU8-2613
Iowa	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	JU8-2613
Kan	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4645
Mich	J L Pierce Co	16666 James Couzens Hwy, Detroit 21	UN2-2571
Minn	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	JU8-2613
Neb	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4645
Nev	Reeves Instrument Corp	1216 5th St, Santa Monica, Cal	EX5-3289
NM	Barnhill Associates	8310 Cutler, N.E., Albuquerque, NM	AX9-7997
NY	Alan E DeCew Agency	P.O. Box 73, Sodus, NY	SO3261
Okla	Servo/Electronics Products Co	P.O. Box 13371, Dallas 20, Tex	FL1-4653
Ore	Reeves Instrument Corp	802 White Oak Ln, Sunnyvale, Cal	CH8-7024
Tex	Servo/Electronics Products Co	P.O. Box 13371, Dallas 20, Tex	FL1-4653
Utah	Barnhill Associates	207 N. 4th E., Centerville, Utah	EL5-5101
Wash	Reeves Instrument Corp	802 White Oak Ln, Sunnyvale, Cal	CH8-7024
Wisc	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	JU8-2613
Wyo	Barnhill Associates	1170 S. Sheridan Blvd, Denver 26, Colo	WE5-4645
Foreign	Hudson Randall International	141 W. 44th St, New York 17, NY	MU7-9163
	REEVES SOUNDCRAFT CORP	**Great Pastures Rd, Danbury, Conn**	**PI3-7601**
Ala	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
Alaska	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	
Ariz	Marshank Sales Co	7422 Melrose Ave, Los Angeles 46, Cal	
Ark	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	
Conn	Coakley Sales Office	148 Needham St, Newton Highland, Boston, Mass	
Del	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
DC	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
Fla	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
Ga	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
Hawaii	Jim Hastin Sales Co	P.O. Box 2098, Honolulu 5, Hawaii	
Idaho	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	
Ill	R W Farris Co., Inc	406 W. 34th St, Kansas City 2, Mo	
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis 20, Ind	
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 2, Mo	
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 2, Mo	
Ky	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis 20, Ind	
La	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Me	Coakley Sales Office	148 Needham St, Newton Highlands, Boston, Mass	
Md	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
Mass	Coakley Sales Office	148 Needham St, Newton Highlands, Boston, Mass	
Mich	R C Merchant & Co., Inc	18411 W. McNichols Rd, Detroit 19, Mich	
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Miss	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 2, Mo	
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 2, Mo	
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	
NH	Coakley Sales Office	148 Needham St, Newton Highlands, Boston, Mass	
NJ	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
NM	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
NC	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	
Okla	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Ore	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	
Pa	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	
Pa	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
RI	Coakley Sales Office	148 Needham St, Newton Highlands, Boston, Mass	
SC	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
SD	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	
Tenn	Grady Duckett Sales Co	26 E. Andrews Dr, Atlanta, Ga	
Tex	Maynard Sales Co	2013 Cedar Springs, Dallas, Tex	
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver, Colo	
Vt	Coakley Sales Office	148 Needham St, Newton Highlands, Boston, Mass	
Va	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	
W. Va	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	
Wisc	George Petitt Co., Inc	349 N. Ashland Ave, River Forest, Ill	
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	
	REFLECTONE ELECTRONICS INC	**Post Rd & Myano Ln, Stamford, Conn**	**DA5-2251**
Ala	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Ariz	George A Strever	P.O. Box 325, Montrose, Cal	CH5-2373
Cal	George A Strever	P.O. Box 325, Montrose, Cal	CH5-2373
Conn	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Del	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
Fla	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Ga	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Ill	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
La	Gay Sales Co	420 Sul Ross St, Houston, Tex	JA9-3479
Me	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Md	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
Mass	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Mich	J L Peirce Co	16666 James Couzen Hwy, Detroit 21,	UN2-2571
Miss	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
NH	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
NJ	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
NY	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
NC	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Pa	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
RI	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
SC	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Tenn	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	TR2-5395
Tex	Gay Sales Co	420 Sul Ross St, Houston, Tex	JA9-3479
Vt	J J Daggon	209 Ocean Dr, E., Stamford, Conn	FI8-2210
Va	R A Potter	64 Woodland Ave, Summit, NJ	CR7-0220
Wash	Shaffer & Nelson	312 Occidental Ave, Seattle 4, Wash	MU2-0186
Wisc	Hill & Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Canada	WEL Sales Ltd	1969 Avenue Rd, Toronto 12, Ontario,	HU1-0231
Foreign	Nissho Am Corp	74 Trinity Pl, New York, NY	WH3-7840
	REGO INSULATED WIRE CO	**830 Monroe St, Hoboken, NJ**	**OL6-2020**
	REGULATOR EQUIPMENT CORP	**100 Pane Ave, Paterson 3, NJ**	
	REGULATORS INC	**455 W.Main St, Wyckoff, NJ**	**TW1-3300**
	REICHHOLD CHEMICALS INC	**525 N.Broadway, White Plains, NY**	**WH8-6200**
Ala	Reichhold Chemicals Inc	Tuscaloosa, Ala	PL2-2551
Cal	Reichhold Chemicals Inc	P.O. Box 791, S. San Francisco, Cal	PL5-9392
Cal	Reichhold Chemicals Inc	P. O. Box 22, Azusa, Cal	CU3-4123
Colo	George C Brandt Inc	1940 Blake St, Denver 2, Colo	TA5-5871
Fla	Reichhold Chemicals Inc	P.O. Box 6427, Jacksonville 5, Fla	EV9-8831
Fla	Reichhold Chemicals Inc	4471 N.W. 36th St, Miami Springs, Fla	TU7-9475
Ga	Deeks & Co	P.O. Box 721, Decatur, Ga	DR7-3871
Hawaii	Chester R Owen	1292 Kapiolani Blvd, Honolulu 1, Hawaii	501-073
Ill	Reichhold Chemicals Inc	P.O. Box 446, Argo, Ill	GL8-2400
Ill	Reichhold Chemicals Inc	3242 S. Fiftieth Ave, Cicero 50, Ill	OL2-7740
Kan	Reichhold Chemicals Inc	3150 Fiberglas Rd, Kansas City 15, Kan	MA1-4900
Ky	Reichhold Chemicals Inc	317 Wallace Ave, Louisville 7, Ky	TW5-5253
La	Reichhold Chemicals Inc	Int 4 Trade Mart, New Orleans 12, La	JA5-6695
Mass	Reichhold Chemicals Inc	P.O. Box 158, Ballardvale, Mass	GR5-6600
Mich	Reichhold Chemicals Inc	601-707 Woodward Hghts Blvd, Detroit 20	JO4-6500
Minn	George C Brandt Inc	739 Pillsbury Ave, St. Paul 14, Minn	MI6-1339
Mo	Reichhold Chemicals Inc	7730 Carondelet Ave, St. Louis 5, Mo	PA6-2929
NJ	Reichhold Chemicals Inc	726 Rockefeller St, Elizabeth 2, NJ	EL3-6600
NY	Reichhold Chemicals Inc	P.O. Box 476, Niagara Falls, NY	BU2-2356
NY	Reichhold Chemicals Inc	224 Harrison St, Syracuse 2, NY	GR1-4149
NC	Reichhold Chemicals Inc	P.O. Box 3715, Charlotte 3, NC	JA3-4114
NC	Deeks & Co	P.O. Box 565, High Point, NC	2-1322
Ohio	Martin C Hutt Sales Co	138 Front St, Berea, Ohio	BE4-6961
Ohio	Deeks & Co	6433 Wiehe Rd, Cincinnati 13, Ohio	ME1-1688
Ohio	Reichhold Chemicals Inc	1901 Terminal Tower Bldg, Cleveland,	PR1-7399
Pa	Reichhold Chemicals Inc	128 Walnut Pk Plaza, Philadelphia 39, Pa	GR4-7893
Pa	Reichhold Chemicals Inc	1401 Oliver Bldg, Pittsburgh 22, Pa	GR1-6645
Tex	Reichhold Chemicals Inc	Rt 4, Box 192 C, Austin, Tex	GL2-2561

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tex	Reichhold Chemicals Inc	1503 Haden Rd, Green's Bayou, Houston	GL3-5431
Tex	Reichhold Chemicals Inc	4909 Reading St, Dallas 7, Tex	FL1-6283
Va	Reichhold Chemicals Inc	P.O. Box 1427, Martinsville, Va	ME2-4797
Wash	Reichhold Chemicals Inc	P.O. Box 3547, Seattle 24, Wash	PA3-6300
Wash	Reichhold Chemicals Inc	P.O. Box 1482, Tacoma, Wash	FU3-5416
Wisc	Reichhold Chemicals Inc	Irving Zuelke Bldg, Appleton, Wisc	RE3-3980
Wisc	Reichhold Chemicals Inc	1409 N. 27th St, Milwaukee 8, Wisc	WE3-1550
Foreign	Sale Office/Representatives In All Principal Countries.		
	REILLY TAR & CHEMICAL CORP	**11 S.Meridian St, Indianapolis 4, Ind**	**ME8-7531**
	REK-O-KUT CO., INC	**38-19 108th St, Corona 68, NY**	**DE5-3500**
Alaksa	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Irving R Stein Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	Meyer & Ross	113 Tenth St, San Francisco 5, Cal	HE1-0652
Cal	Irving R Stein	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Colo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Conn	Willson Sales	60 Beach St, Marblehead, Mass	NE8-4016
Del	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
DC	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood, Fla	WA2-4430
Hawaii	Irving R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Idaho	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Ill	Karet-Margolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Ind	Karet-Margolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Iowa	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Kan	Norman W Katherinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Ky	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
La	J Y Schoonmaker	5328 Redfield, Dallas, Tex	LA6-7238
Me	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Md	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Mass	Willson Sales	60 Beach St, Marblehead, Mass	NE8-4016
Mich	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Minn	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Mo	Norman W Katherinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Mont	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	The Heimann Co	1711 Hawthorne Ave, Minnpls, Minn	FE2-5457
Neb	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Nev	Irving R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Nev	Meyer & Ross	113 Tenth St, San Francisco 5, Cal	HE1-0652
NH	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
NJ	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
NM	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
NY	Land-C-Air Sales	76 Main St, Tuckahoe, NY	WO1-4700
ND	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Ohio	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Okla	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	LA6-7238
Ore	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Pa	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
RI	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
SD	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Tex	J Y Schoonmaker Co., Inc	5328 Redfield, Dallas 35, Tex	LA6-7238
Utah	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Vt	Willson Sales Co	60 Beach St, Marblehead, Mass	NE8-4016
Va	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Wash	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W.Va	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Wisc	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Wisc	Karet-Margolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Wyo	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Foreign	Morman Exporting Corp	458 Broadway, New York 13, NY	WA5-1257
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto 19, Canada	RU1-6174
	RELAYS INC	**162 W. 83rd St, New York 24, NY**	**TR3-4500**
	RELCO PRODUCTS	**Box 8327, Univ Pk Sta, Denver 10, Colo**	**SK6-8044**
Cal	Robison Co	4026 W. 183rd St, Torrance, Cal	FR9-5531
	RELIABLE SPRING & WIRE FORMS CO	**Fulton Rd & Paris Ave, Cleveland 9, Ohio**	
Ind	Kaydon Co	7905 Kemlough, Indianapolis 20, Ind	
Ky	Theodore E Dimke	25 Sandhurst Dr, Dayton, Ohio	CR4-3297
Mich	Eberly & Meek Inc	10218 Puritan Ave, Detroit 38, Mich	UN3-6680
Minn	Richard P Vallee	759 N. Milwaukee St, Milwaukee 2, Wisc	DI2-5393
NY	Prem G Lanzendorf	513 Cuberland Ave, Syracuse 10, NY	GR2-4195
Ohio	Theodore E Dimke	25 Sandhurst Dr, Dayton, Ohio	CR4-3297
Pa	Geo H Herchenroedner	P.O. Box 10445, Pittsburgh 34, Pa	FI1-9300
Wisc	Richard P Vallee	759 N. Milwaukee St, Milwaukee 2, Wisc	DI2-5393
	RELIANCE AUTOMATIC LIGHTING CO	**1919 Mead St, Racine, Wisc**	
	REMANCO INC	**1805 Colorado, Santa Monica, Cal**	**GL1-1341**
Ala	Sidney C Gunston	711 Magnolia, Orlando, Fla	
Ariz	Kittleson Co	P.O. Box 803, Alamogordo, NM	HE-
Ark	Southwest Electronic Industry	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Cal	Kittleson Co	416 N. La Brae Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Colo	Scientific Instrument Co	1460 Pennsylvania, Denver 3, Colo	AL5-2777
Conn	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Del	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
DC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Fla	Sidney C Gunston	711 Magnolia, Orlando, Fla	
Ga	Sidney C Gunston	711 Magnolia, Orlando, Fla	
Idaho	Paramount Agencies	9210 28th N.W., Seattle, Wash	TE8-8918
Ind	Hobstetter-Soenke	131 N. Ludlow St, Dayton 2, Ohio	BA2-2897
La	Southwest Electronic Industry	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Me	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Md	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Mass	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
NH	Saunders & Co	8 Prospect St, waltham 54, Mass	TW4-6071
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NM	Kittleson Co	P.O. Box 803, Alamogordo, NM	HE-
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Ohio	Hobstetter-Soenke	131 N. Ludlow St, Dayton 2, Ohio	BA2-2897
Okla	Southwest Electronic Industry	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Ore	Paramount Agencies	9210 28th N.W., Seattle, Wash	TE8-8918
Pa	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
RI	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
SC	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tenn	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Tex	Southwest Electronic Industry	The Meadows Bldg, Dallas 6, Tex	EM3-1671
Utah	Scientific Instrument Co	1460 Pennsylvania, Denver 3, Colo	AL5-2777
Vt	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Va	Taylor Engineering Inc	2100 St. Paul St, Baltimore 18, Md	BE5-9126
Wash	Paramount Agencies	9210 28th N.W., Seattle, Wash	TE8-8918
Wyo	Scientific Instrument Co	1460 Pennsylvania, Denver 3, Colo	AL5-2777
Canada	Lintronic Ltd	47 Charing Cross Rd, London WC2, Eng	GE5509
Canada	Paramount Agencies	9210 28th N.W., Seattle, Wash	TE8-8918
Foreign	Technical Factors Ltd	C.P.O Box 1288, Tokyo, Japan	44-1742
Foreign	Telenstrument A B	Harjedalsgatan 136, Stockholm, Vell, Swe	37-7150
	REMBAR CO., INC., THE	**67 Main St, Dobbs Ferry, NY**	**OW3-2620**
	REMINGTON RAND DIV SPERRY RAND CORP	**315 Park Ave, S., New York 10, NY**	**SP7-8000**
Ala	Remington Rand Univac	2216 5th Ave, N., Birmingham 3, Ala	FA2-3651
Cal	Remington Rand Univac	2601 Wilshire Blvd, Los Angeles, Cal	DU1-3381
Cal	Remington Rand Univac	41 First St, San Francisco 5, Cal	DO2-8600
Colo	Remington Rand Univac	620 W. Colfax Ave, Denver 4, Colo	AC2-1811
Conn	Remington Rand Univac	210 Washington St, Hartford 6, Conn	JA2-0263
Conn	Remington Rand Univac	1862 E. Main St, Bridgeport 10, Conn	FO1-7721
DC	Remington Rand Univac	1615 L. St, N.W., Wash 6, DC	NA8-6888
Fla	Remington Rand Univac	1417 San Marco Blvd, Jacksonville 7, Fla	EX8-5601
Fla	Remington Rand Univac	2521 Biscayne Blvd, Miami 37, Fla	FR7-2651
Ga	Remington Rand Univac	Spring at Sixth St, Atlanta 8, Ga	TR6-7581
Ill	Remington Rand Univac	444 N. Michigan Ave, Chicago 11, Ill	MO4-3250
Ind	Remington Rand Univac	1535 N. Meridian St, Indpls 2, Ind	ME5-7481
Iowa	Remington Rand Univac	2413 Grand Ave, Des Moines 12, Iowa	CH3-6143
Ky	Remington Rand Univac	1706 Bardstown Rd, Louisville 5, Ky	GL1-7755
La	Remington Rand Univac	1711 St. Charles Ave, New Orleans 13	JA2-0451
Md	Remington Rand Univac	535 St. Paul Pl, Baltimore 2, Md	SA7-4810
Mass	Remington Rand Univac	631 Commonwealth Ave, Boston 15, Mass	CO7-8000
Mich	Remington Rand Univac	2978 W. Grand Blvd, Detroit 2, Mich	TR4-3000
Minn	Remington Rand Univac	3300 University Ave, S.E., Minnpls, Minn	FE9-5501
Mo	Remington Rand Univac	1901 Baltimore Ave, Kansas City 8, Mo	GA1-5710
Mo	Remington Rand Univac	4100 Lindell Blvd, St. Louis 8, Mo	OL2-4000
Neb	Remington Rand Univac	1501 Howard St, Omaha 2, Neb	JA2976
NJ	Remington Rand Univac	1015 Broad St, Newark 2, NJ	MA3-6900
NY	Remington Rand Univac	650 Central Ave, Albany 5, NY	AL2-4405
NY	Remington Rand Univac	334 Delaware Ave, Buffalo 2, NY	WA2480
NY	Remington Rand Univac	635 James St, Syracuse 3, NY	GR4-6521
NC	Remington Rand Univac	908 S. Tryon St, Charlotte 1, NC	FR6-2791
Ohio	Remington Rand Univac	2250 Gilbert Ave, Cincinnati 6, Ohio	PL1-6211
Ohio	Remington Rand Univac	2115 Chester Ave, Cleveland 14, Ohio	CH1-7000
Ohio	Remington Rand Univac	697 E. Broad St, Columbus 15, Ohio	CA1-6833
Okla	Remington Rand Univac	216 N.W. 10 St, Oklahoma City 3, Okla	CE5-4411
Ore	Remington Rand Univac	525 S.W. Pine St, Portland 4, Ore	CA8-2394
Pa	Remington Rand Univac	900 Market St, Harrisburg, Pa	CE6-5237
Pa	Remington Rand Univac	1624 Locust St, Philadelphia 3, Pa	KI6-0700
Pa	Remington Rand Univac	Stanwix at 4th Ave, Pittsburgh 22, Pa	EX1-2000
Tenn	Remington Rand Univac	341 Madison Ave, Memphis 3, Tenn	JA7-0211
Tenn	Remington Rand Univac	1712 West End Ave, Nashville 3, Tenn	AL5-5442
Tex	Remington Rand Univac	2100 N. Akard St, Dallas 1, Tex	RI7-3111
Tex	Remington Rand Univac	2323 San Jacinto St, Houston 2, Tex	JA3-4751
Utah	Remington Rand Univac	164 S. 2nd East St, Salt Lake City, Utah	DA8-8811
Va	Remington Rand Univac	9 N. Third St, Richmond 19, Va	MI6-7246
Wash	Remington Rand Univac	2720 Third Ave, Seattle 1, Wash	MU2-9100
Wisc	Remington Rand Univac	624 N. Broadway, Milwaukee 2, Wisc	BR1-7775
	REMLER CO	**2101 Bryant St, San Francisco 10, Cal**	**VA2-3435**
Cal	Sticke-McAlister Associates	4357 Melrose Ave, Los Angeles, Cal	NO5-6621
DC	M L Looney	777-14th St, N.W., Wash, DC	ST3-4767
Ohio	Arnold Clark	4269 Brumbaugh Blvd, Dayton 6, Ohio	CR7-7712
	REMSEL INDUSTRIES INC	**500 E. 40th St, Chicago 53, Ill**	**KE8-6422**
Cal	Sharpe Engineering Co	1266 S. Boyle Ave, Los Angeles 23, Cal	AN9-0365
Ind	R G Fredericks	1601 S. Hanna, Ft. Wayne, Ind	RA6-641
Mass	Wm F Judge Co	Box 315, Marshfield Hills, Mass	TE4-4216
	RENBRANDT INC	**6 Pernelee St, Boston 18, Mass**	**HI5-8910**
	RENCO ELECTRONICS INC	**240-1 Old Country Rd, Hicksville, NY**	**WE8-0022**
NY	Levison Sales Co	172-15 Hillside Ave, Jamaica 32, NY	AX1-5610
NY	Mel Levison	1465 Peninsula Blvd, Hewlett, NY	FR4-4064
NY	Morris Siegel	88-47 185th St, Hollis, NY	OL8-3556
	RENUPP CO	**3457 Greenfield, Los Angeles 34, Cal**	**VE7-3451**
	REON RESISTOR CORP	**155 Saw Mill River Rd, Yonkers, NY**	**YO5-9850**
Ariz	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Cal	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Cal	John E Striker Co	P.O. Box 548, San Carlos, Cal	LY1-0736
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Conn	Todino Engineering Sales Inc	P.O. Box 291, West Hartford, Conn	AD2-9532
Del	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Bill Henry Associates	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ga	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
Idaho	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ind	Floyd E Menze	729 W. Parkard Ave, Ft. Wayne, Ind	KE3171
Me	Todino Engineering Sales Inc	P.O. Box 201, Needham Hghts 94, Mass	HI4-7925
Md	S A Jeffries	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Todino Engineering Sales Inc	P.O. Box 201, Needham Hghts 94, Mass	HI4-7925
Mich	William S Lee Co	13215 Fenkel, Detroit 27, Mich	UN3-4161
Mont	Howell Sales Inc	1715 Yale Ave, Seattle 1, Wash	MU2-8290
Nev	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
NH	Todino Engineering Sales Inc	P.O. Box 201, Needham Hghts 94, Mass	HI4-7925
NJ	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
NJ	S J Sales Engineering Co	130 Lafayette St, New York 13, NY	WO2-7766
NY	S J Sales Engineering Co	130 Lafayette St, New York 13, NY	WO2-7766
NY	I A Holze Co., Inc	112 Dewitt St, Syracuse 3, NY	GR9-6641
NC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
Ohio	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	FA1-5644
Ohio	Arthur H Baier Co	384 W. First St, Dayton 2, Ohio	BA8-5493
Ore	Howell Sales Co	1715 Yale Ave, Seattle, Wash	MU2-8290
Pa	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Todino Engineering Sales Co	P.O. Box 201, Needham Hghts 94, Mass	HI4-7925
SC	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
Tenn	Bill Henry Associates	P.O. Box 6073, Charlotte 7, NC	FR5-8958
Tex	Texas Avionics Co	5738 N. Control Expwy, Dallas 6, Tex	TA6-2354
Utah	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Vt	Todino Engineering Sales Inc	P.O. Box 291, West Hartford, Conn	AD2-9532
Va	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
Wash	Howell Sales Inc	1715 Yale Ave, Seattle 1, Wash	MU2-8290
W.Va	S A Jeffries Co	105 Forrest Ave, Narberth, Pa	MO4-8500
Wyo	Howell Sales Co., Inc	1715 Yale Ave, Seattle 1, Wash	MU2-8290
	REPATH PACIFIC DIV ARNOLD ENGINEERING CO	**641 E. 61 St, Los Angeles, Cal**	**DU8-0361**
Cal	The Arnold Engineering Co	3450 Wilshire Blvd, Los Angeles 5, Cal	DU8-0361
Ca	The Arnold Engineering Co	701 Welch Rd, Palo Alto, Cal	DA6-9302
Ore	The Arnold Engineering Co	1220 S.W. Morrison St, Portland 5, Ore	CA8-2692
Wash	The Arnold Engineering Co	White Henry Stuart Bldg, Seattle 1, Wash	MU2-2180
	REPUBLIC ELECTRONIC INDUSTRIES CORP	**111 Gazza Blvd, Farmingdale, NY**	**CH9-1414**
Mo	Jean Kossarides	92 Pebblebrook Ln, St. Louis 41, Mo	HE2-2368
Ohio	Frederick L Ottaver	Box 2013, Kettering Br, Dayton 9, Ohio	AX3-4530
	REPUBLIC FOIL INC	**55 Triangle St, Danbury, Conn**	**PI3-2731**
Cal	Van D Clothier Inc	1025 E. 16th St, Los Angeles 21, Cal	
Ill	L D Baldwin L G Vock	5035 W. Lawrence, Chicago, Ill	
	REPUBLIC LENS CO., INC	**31 E. 169th St, New York 52, NY**	**CY3-2790**
	REPUBLIC RUBBER DIV LEE RUBBER & TIRE	**1412 Albert St, Youngstown, Ohio**	**RI3-2131**
Ill	Republic Rubber Division	549 W. Washington Blvd, Chicago 6, Ill	ST2-6350
NY	Republic Rubber Division	92 Liberty St, New York, NY	WO4-0818
Pa	Republic Rubber Division	22nd & Race Sts, Philadelphia, Pa	RI6-6053
	REPUBLIC STEEL CORP	**Republic Bldg, Cleveland 1, Ohio**	**PR1-1400**
Ala	Republic Steel Corp	8 Office Pk, Mountain Brook, Birmingham	TR9-0471
Cal	Republic Steel Corp	823 Mobil Bldg, Los Angeles 17, Cal	MA4-5144
Cal	Republic Steel Corp	225 Rialto Bldg, San Francisco 5, Cal	GA1-0977
Colo	Republic Steel Corp	230 Denver Club Bldg, Denver 2, Colo	MA3-5289
Conn	Republic Steel Corp	164 School St, East Hartford 8, Conn	BU9-9301
Fla	Republic Steel Corp	301 1st Fed Sav Bldg, Jacksonville, Fla	EL6-0727
Ill	Republic Steel Corp	1200 McCormick Bldg, Chicago 4, Ill	WA2-3279
Ind	Republic Steel Corp	800 Circle Tower, Indpls 4, Ind	ME2-5386
Ky	Republic Steel Corp	496 Starks Bldg, Louisville 2, Ky	JU2-1609
La	Republic Steel Corp	925 Howard Ave, New Orleans 12, La	JA5-6193
Mass	Republic Steel Corp	Consolidated Bldg, Boston 16, Mass	LI2-3641
Mich	Republic Steel Corp	2008 Fisher Bldg, Detroit 2, Mich	TR5-9300
Mich	Republic Steel Corp	1001 Mich Nat'l Bank, Grand Rapids, Mich	GL9-6244
Minn	Republic Steel Corp	First Nat'l Bank Bldg. St. Paul 1, Minn	CA7-6531
Mo	Republic Steel Corp	416 Fairfax Bldg, Kansas City 5, Mo	HA1-1195
Mo	Republic Steel Corp	811 Shell Bldg, St. Louis 3, Mo	CH1-8165
NY	Republic Steel Corp	1400 Rand Bldg, Buffalo 3, NY	MA5760
NY	Republic Steel Corp	932 Chrysler Bldg, New York 17, NY	OX7-9500
NY	Republic Steel Corp	Utica Mutual Bldg, Syracuse 2, NY	GR8-2116
Ohio	Republic Steel Corp	2701 Carew Tower Bldg, Cinn 2, Ohio	PA1-3801
Ohio	Republic Steel Corp	308 Herman Miller Bldg, Dayton 2, Ohio	BA2-4612
Ohio	Republic Steel Corp	Republic Bldg, Warren, Ohio	EX2-2511
Okla	Republic Steel Corp	2001 Philtower Bldg, Tulsa 3, Okla	DI3-6263
Pa	Republic Steel Corp	920 Suburban Sta Bldg, Philadelphia 3	LO3-8900
Pa	Republic Steel Corp	1332 Henry W. Oliver Bldg, Pitts 22, Pa	GR1-2425
Tex	Republic Steel Corp	302 Perkins Bldg, Dallas 1, Tex	RI1-6573
Tex	Republic Steel Corp	The Houston Club Bldg, Houston 2, Tex	CA2-0182
Wash	Republic Steel Corp	6636-38 White-Henry-Stuart Bldg, Seattle 1	MA2-8583
Wisc	Republic Steel Corp	First Wisc Nat'l Bank Bldg, Milwaukee 2	BR6-7511
Canada	Republic Steel Corp	Commerce & Transportation Bldg, Toronto, Ontario, Canada	
	RESDEL CORP	**P. O. Box 217, Rio Grande, NJ**	**WI2-5643**
	RESDEL ENGINEERING CORP	**330 S. Fair Oaks, Pasadena, Cal**	**MU1-7680**
Ariz	V T Rupp Co	307 Parkman Ave, Los Angeles 26, Cal	DU7-8224
Cal	V T Rupp Co	307 Parkman Ave, Los Angeles 26, Cal	DU7-8224
Nev	V T Rupp Co	307 Parkman Ave, Los Angeles 26, Cal	DU7-8224
NM	V T Rupp Co	307 Parkman Ave, Los Angeles 26, Cal	DU7-8224
	RESE ENGINEERING INC	**731 Arch St, Philadelphia 6, Pa**	**WA2-5841**
Ariz	King Engineering Inc	5321 1/2 Hollywood Blvd, L A, Cal	HO4-7166

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	King Engineering Inc	5321 1/2 Hollywood Blvd, L A, Cal	HO4-7166
Mass	Brogan Associates Inc	200 Boylston St, Chestnut Hill, Mass	WO9-9660
Nev	King Engineering Inc	5321 1/2 Hollywood Blvd, L A, Cal	HO4-7166
NH	Brogan Associates	200 Boylston St, Chestnut Hill, Mass	WO9-9660
NJ	Brogan Associates Inc	603 Main St, Westbury, NJ	ED3-4555
NY	Brogan Associates	603 Main St, Westbury, NJ	ED3-4555
RI	Brogan Associates	603 Main St, Westbury, NJ	ED3-4555
Vt	Brogan Associates	200 Boylston St, Chestnut Hill, Mass	WO9-9660
Foreign	Kanematsu Inc	150 Broadway, New York, NY	BE3-2890
	RESEARCH CHEMICALS	**1708 W. Providencia, Burbank, Cal**	**VI9-6276**
Ill	Robert Steiner	6 N. Michigan Ave, Chicago, Ill	CE6-4972
	RESEARCH DEVELOPMENT MANUFACTURE INC	**429 E.Cotton St, Philadelphia 44, Pa**	**GL5-9700**
	RESEARCH INC	**Box 6164, Edina Br, Minnpls 24, Minn**	**WE5-2156**
Cal	Jay Bergren	213 S. Hawthorne Blvd, Hawthorne, Cal	OS6-5858
Conn	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
Ind	Dale W Martin	P.O. Box 554, Dayton 19, Ohio	CL3-6175
La	Harper Co	P.O. Box 22351, Houston 27, Tex	JA4-3995
Me	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
Mass	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
NH	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
Ohio	Dale W Martin	P.O. Box 554, Dayton 19, Ohio	CL3-6175
Ore	Martin Poggi	P.O. Box 587, Bellevue, Wash	GL4-5648
RI	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
Tex	Harper Co	P.O. Box 22351, Houston 27, Tex	JA4-3995
Vt	J M Devine Co	63 Prince St, Needham 92, Mass	HI4-2764
Wash	Martin Poggi	P.O. Box 587, Bellevue, Wash	GL4-5648
	RESEARCH INDUSTRIAL LABS OF ELECTRONICS	**Roslyn, Pa**	**TU4-8098**
	RESEARCH PRODUCTS CORP	**1015 E. Washington, Madison, Wisc**	**AL6-0621**
	RESINITE CORP DIV PRECISION PAPER TUBE CO	**6901 N.Central Park Ave, Chicago 45, (Lincolnwood) Ill**	**ORS-6200**
Cal	Hugh Atkin	302 Audenvile Rd, Covina, Cal	
Conn	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Del	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Ill	Ray E Berg	5306 W. Lawrence Ave, Chicago, Ill	PE6-0236
Ind	Henry Shoop	124 Fifth St, Logansport, Ind	2555
Me	Walter S Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Mass	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Mich	Richard Kruse	2035 W. Charleston St, Chicago, Ill	AR6-5200
Mo	Tanler & Co	St. Louis, Mo	WY3-1020
NH	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
NJ	H Wm Bauer	234 Terrace Ave, Jersey City, NJ	SW5-2480
NY	H Wm Bauer	234 Terrace Ave, Jersey City, NJ	SW5-2480
Ohio	Henry Shoop	124 Fifth St, Logansport, Ind	
Pa	H Wm Bauer	234 Terrace Ave, Jersey City, NJ	SW5-2480
RI	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
Vt	Walter Peterson	12 Overbrook Terr, Natick, Mass	OL3-3855
	RESINITE DEPT BORDEN CHEM CO	**Box 430, Compton,Cal**	**NE5-7162**
Mass	Resinite Dept Borden Chemical Co	1 Clark St, N. Andover, Mass	MU7-7131
	RESISTANCE PRODUCTS CO	**914 S. 13th St, Harrisburg, Pa**	**CE6-5081**
Ariz	A A Dowers Co	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Cal	A A Dowers Co	2918 E. Florence Ave, Huntington Park,	
Cal	A A Dowers Co	179 S. Mayfair Ave, Daly City, Cal	PL6-8414
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Fla	Norman Hardy Associates	444 Second Ave, Indialantic, Melbourne,	2-8721
Ill	Bruce Cumming & Associates	6209 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Mass	J Duncan How Inc	Statler Office Bldg, Boston, Mass	HU2-4638
Mich	R C Nordstrom & Co	Briggs Bldg, Birmingham, Mich	JO4-6129
Mo	Forristal-Young Sales Co	4053 Broadway, Kansas City 11, Mo	VA1-5330
Mo	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
NJ	Andrew A Foley Associates	15 S. Shirley Ave, Moorestown, NJ	NO3-4545
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque,	AM6-1111
NY	Cooper-Simon Co	400 E. 79th St, New York, NY	LE5-2900
NY	Leonard D Allen Inc	115 Lutner Ave, Syracuse, NY	GR1-3108
NY	Leonard D Allen Inc	1043 Walden Ave, Buffalo, NY	FI6915
Ohio	J B Bucher & Associates	P.O. Box 62, Sta D, Dayton 10, Ohio	BA8-7623
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Ohio	Lowry Dietrich Co	384 W. First St, Dayton 2, Ohio	BA3-6042
Ohio	Lowry Dietrich Co	316 Marion Bldg, Cleveland, Ohio	SU1-1855
Pa	Lowry Dietrich Co	703 Clairton Blvd, Pittsburgh, Pa	TU1-2228
Pa	Norman Hardy Associates	414 Gribbie Rd, Wyncote, Pa	TU7-3955
Tex	Packard Associates	Love Field Air Terminal, Rm 404, Dallas,	FL7-5713
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Wisc	Honkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	SP4-6258
Foreign	Monthorne-International Co	15 Moore St, New York, NY	BO9-6272
	RESISTOFLEX CORP	**20 Woodland Rd, Roseland, NJ**	**CA6-7700**
Ala	J W Morgan	3230 Peachtree Rd, N.E., Atlanta 5, Ga	BL5-4229
Cal	Resistoflex Corp	301 N. Crescent Way, Anaheim, Cal	PR2-4700
Colo	H M Spates	131 Summit Dr, Englewood, Colo	SU1-5619
DC	Arnold Rosenberg Co	733 15th St, N.W., Washington 5, DC	EX3-1174
Fla	Anthony G Bari	5365 N.W. 36th St, Miami Springs, Fla	TU5-3722
Ga	James W Morgan	3230 Peachtree Rd, N.E., Atlanta 5, Ga	BL5-4229
Ill	Resistoflex Corp	80 E. Jackson Blvd, Chicago 4, Ill	HA7-8243
La	Vernon L Ellerbe Jr	Box 3321, Baton Rouge 5, La	DI4-8551
Mo	William Spangler	9729 Manor Rd, Kansas City 15, Mo	NI2-6843
NY	William H Halliday	162 Terr Way, Orchard Vlg, Camillus, NY	HA2-2283
Ohio	Paul Connair	53 Park Ave, Dayton 19, Ohio	AX3-1796
Ore	Jack Ogle & Co	2505 E. 11th Ave, Portland 2, Ore	BE5-4080
Pa	C W Smythe	830 Lancaster Ave, Bryn Mawr, Pa	LA5-6159
Tex	Resistoflex Corp	135 Glass St, Dallas 7, Tex	RI2-2396
Wash	Jack Ogle & Co	105 Dirchs St, Seattle 8, Wash	PA5-2030
Canada	Industan Ltd	32 Front St, W., Toronto 1, Canada	EM4-9383
	RESISTORS INC	**5226 W. 26th St, Chicago 50, Ill**	**OL2-7555**
Ariz	W S Harmon Co	P.O.Box 1380, Beverly Hills, Cal	OL2-6616
Ark	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	R4069
Cal	Harmon Co	P.O.Box 1380, Beverly Hills, Cal	OL2-6616
Cal	Wm W Tompkins Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Conn	White Sales Co	945 Great Plain Ave, Needham 92, Mass	3676
Ky	Walter J Brauer & Associates	15631 Lakewood Hghts Blvd, Cleve 7, Ohio	LA7268
La	Ernest L Wilks Co	1212 Camp St, Dallas 12, Tex	R4069
Me	White Sales Co	945 Great Plain Ave, Needham, Mass	3676
Md	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
Mass	White Sales Co	945 Great Plain Ave, Needham, Mass	3676
Minn	Honkamp Sales Co	2223 N. 70th St, Milwaukee 13, Wisc	WO4-2111
NH	White Sales Co	945 Great Plain Ave, Needham, Mass	3676
NJ	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
NY	Wall Associates	P.O.Box 161, De Witt 14, NY	GI6-4100
Ohio	Walter J Brauer & Associates	15631 Lakewood Hghts Blvd, Cleve 7, Ohio	LA7268
Tex	Ernest L Wilks Co	1212 Camp St, Dallas 12, Tex	R4069
Vt	White Sales Co	945 Great Plain Ave, Needham, Mass	3676
W.Va	Brauer & Associates	15631 Lakewood Hghts, Cleve 7, Ohio	LA7268
Wisc	Honkamp Sales Co	2223 N. 70th, Milwaukee 13, Wisc	WO4-2111
	RESITRON LABORATORIES INC	**2908 Nebraska Ave, Santa Monica, Cal**	**UP0-7009**
Pa	M & S Electronics	1328-34 N. 4th St, Philadelphia 22, Pa	PO5-0460
	REUTER-STOKES ELECTRONIC COMPONENTS INC	**2149 Hamilton Ave, Cleveland, Ohio**	**TO1-7620**
Cal	Charles W Fowler Co	499 Hamilton Ave, Palo Alto, Cal	DA1-1810
	REVERE CAMERA CO	**320 E. 21st St, Chicago 16, Ill**	**CA5-7900**
	REVERE COPPER & BRASS INC	**230 Park Ave, New York 17, NY**	**MU9-6800**
Ark	Foil Div	Hwy 67, Newport, Ark	JA3-2771
Cal	Pacific Coast Div	P.O. Box 3246, Terminal Annex, L A, Cal	RA3-3331
Cal	Revere Copper & Brass Inc	World Trade Center, San Francisco 11, Cal	SU1-0282
Colo	Revere Copper & Brass Inc	1219 California St, Denver 4, Colo	AL5-2066
Conn	Revere Copper & Brass Inc	81 Market Sq, Newington 11, Conn	MO6-2491
Fla	Revere Copper & Brass Inc	900 N.E. 125th St, North Miami 61, Fla	PL1-1614
Ga	Revere Copper & Brass Inc	1310 Ellsworth Indl Dr, N.W., Atlanta	SY4-7628
Ill	Dallas Div	2200 N. Natchez Ave, Chicago 35, Ill	ME7-2600
Ind	Revere Copper & Brass Inc	665 E. 61st St, Indianapolis 20, Ind	CL1-4505
La	Revere Copper & Brass Co	923 Howard Ave, New Orleans 12, La	JA5-4259
Md	Baltimore Div	1301 Wicomico St, Baltimore 3, Md	VE7-0500
Mass	New Bedford Div	24 N. Front St, New Bedford, Mass	WY8-5601
Mass	Revere Copper & Brass Inc	108 Arlington St, Boston 16, Mass	HU2-7190
Mich	Michigan Div	5851 W. Jefferson Ave, Detroit 9, Mich	VI1-7350
Mich	Revere Copper & Brass Inc	Keeler Bldg, Grand Rapids 2, Mich	GL9-3301
Minn	Revere Copper & Brass Inc	2809 Wayzata Blvd, Minneapolis 5, Minn	FR7-0890
Mo	Revere Copper & Brass Inc	3615 Olive St, St. Louis 8, Mo	JE1-0300
Mo	Revere Copper & Brass Inc	34th St & Broadway, Kansas City 11, Mo	LO1-8403
NY	Rome Div	P.O. Box 151, Rome, NY	RO2000
NY	Revere Copper & Brass Inc	1807 Elmwood Ave, Buffalo 7, NY	DE7616
NY	Revere Copper & Brass Inc	31 Gibbs St, Rochester 4, NY	BA6-6540
Ohio	Revere Copper & Brass Inc	3181 Linwood Rd, Cincinnati 8, Ohio	TR1-1232
Ohio	Revere Copper & Brass Inc	14700 Detroit Ave, Cleveland 7, Ohio	LA1-2440
Ohio	Revere Copper & Brass Inc	3898 Linden Ave, Dayton 31, Ohio	CL2-5616
Pa	Revere Copper & Brass Inc	666 Washington Rd, Pittsburgh 28, Pa	JO1-8606
Pa	Revere Copper & Brass Inc	One Wynnewood Rd, Wynnewood, Pa	GR7-8326
RI	Revere Copper & Brass Inc	30 Midway Rd, Cranston 10, RI	WI2-1900
Tex	Revere Copper & Brass Inc	8320 Chancellor Row, Dallas 35, Tex	FL7-4058
Tex	Revere Copper & Brass Inc	3202 Westayan St, Houston 27, Tex	WO7-9347
Wash	Revere Copper & Brass Inc	314 Fairview Ave, N., Seattle 9, Wash	MA2-1401
Wisc	Revere Copper & Brass Inc	828 N. Broadway, Milwaukee 2, Wisc	BR1-1440
	REVERE CORP OF AMERICA SUB NEPTUNE METER CO	**Wallingford, Conn**	**CO9-7701**
Ala	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Ariz	E E Lee	7742 Genesta Ave, Van Nuys, Cal	DI3-8791
Ark	D H Oldham	405 Phillips Ct, Arlington, Tex	CR4-7500
Cal	E E Lee	7742 Genesta Ave, Van Nuys, Cal	DI3-8791
Cal	B F Hanway	5517 Jumilla Ave, Woodland Hills, Cal	DI7-9879
Cal	W C Diemer	9162 Sophia Ave, Sepulveda, Cal	EM2-0258
Cal	W E Chelf	111 El Nido Ave, Monrovia, Cal	EL8-3601
Colo	D H Oldham	405 Phillips Ct, Arlington, Tex	CR4-7500
Del	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
DC	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
Fla	A K Baxter	P.O. Box 28, Altamonte Springs, Fla	VA8-5271
Ga	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Idaho	C K Hughes	836 E. 151st St, Seattle 55, Wash	MU2-4566
Ill	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Ind	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Iowa	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Kan	A O Sporleder	9304 Laverne Pl, Affton 23, Mo	PL2-2454
Ky	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
La	D H Oldham	405 Phillips Ct, Arlington, Tex	CR4-7500
Me	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
Md	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
Mass	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
Mich	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Minn	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Miss	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Mo	A O Sporleder	9304 Laverne Pl, Affton 23, Mo	PL2-2454
Nev	B F Hanway	5717 Jumilla Ave, Woodland Hills, Cal	DI7-9879
NH	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
NJ	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
NY	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
NY	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
NY	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
NC	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Ohio	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Ohio	H L Zupo	3525 Guilford Ave, N.W., Canton, Ohio	GL5-0594
Okla	D H Oldham	405 Phillips Ct, Arlington, Tex	CR4-7500
Ore	C K Hughes	836 E. 151st St, Seattle 55, Wash	MU2-4566
Pa	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
RI	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
SC	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Tenn	L E Wright	2869 Ridgemore Rd, N.W., Atlanta 18, Ga	SY4-6393
Tex	D H Oldham	405 Phillips Ct, Arlington, Tex	CR4-7500
Utah	B F Hanway	5717 Jumilla Ave, Woodland Hills, Cal	DI7-9879
Vt	G F Slowe	4 Elmont St, Dorchester, Mass	AV2-9240
Va	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
Wash	C K Hughes	836 E. 151st St, Seattle 55, Wash	MU2-4566
W. Va	A C Hills	52 Park Ave, Caldwell, NJ	CA6-1174
Wisc	G J Laile	8521 Cooley Beach Dr, Pontiac, Mich	EM3-3991
Canada	Delta Aircraft Equipment Co	1798A Ave Rd, Toronto 12, Ont, Canada	RU3-7372
	REX RHEOSTAT CO	**149 Babylon Turpk, Roosevelt, NY**	**FR9-1030**
	REYNOLDS ELECTRIC CO	**3000 River Rd, River Grove, Ill**	**TU9-2232**
Cal	Richard Lightfoot	755 Crescent Dr, Vista, Cal	PA4-3468
Ga	R V Curley	2395 A.E. Lindmont Ct, N.E., Atlanta, Ga	CE3-1201
NY	C F Versfelt	92-23 77th St, Woodhaven 21, NY	WI2-5255
	REYNOLDS METALS CO	**P. O. Box 2346ZE, Richmond 18, Va**	**AT2-2311**
Ala	Reynolds Metals Co	1435 Brown-Marx Bldg, Birmingham, Ala	AL1-8263
Ariz	Reynolds Metals Co	3500 S. Van Buren St, Phoenix, Ariz	CA8-9474
Ark	Reynolds Metals Co	406 Comm Natl Bank Bldg, Little Rock	FR4-6472
Cal	Reynolds Metals Co	3540 Wilshire Blvd, Los Angeles 5, Cal	DU1-3511
Colo	Reynolds Metals Co	2829 E. 2nd Ave, Denver 6, Colo	DU8-2406
DC	Reynolds Metals Co	503 World Center Bldg, Washington 6, DC	NA8-5336
Fla	Reynolds Metals Co	1 Miami Bldg, DuPont Plaza, Miami, Fla	FR9-2792
Ga	Reynolds Metals Co	1261 Spring St, N.W., Atlanta 3, Ga	TR5-2731
Ill	Reynolds Metals Co	Wrigley Bldg, Chicago 11, Ill	
Ind	Reynolds Metals Co	1800 N. Meridian St, Indianapolis, Ind	WA5-7527
Iowa	Reynolds Metals Co	316 Des Moines Bldg, Des Moines, Iowa	AT8-1905
Ky	Reynolds Metals Co	2000 S. 9th St, Louisville 1, Ky	ME4-1581
La	Reynolds Metals Co	2400 Canal St, New Orleans, La	TU5482
Md	Reynolds Metals Co	200 E. Joppa Rd, Towson 4, Md	VA3-4141
Mass	Reynolds Metals Co	442 Park Square Bldg, Boston 16, Mass	LI2-0655
Mich	Reynolds Metals Co	Northland Dr, Southfield, Mich	KE7-6000
Minn	Reynolds Metals Co	127 Wesley Bldg, Minnpls, Minn	FE9-4691
Mo	Reynolds Metals Co	1134 Locust St, St. Louis 1, Mo	GA1-5258
Neb	Reynolds Metals Co	102 S. 32nd Ave, Omaha, Neb	JA0614
NJ	Reynolds Metals Co	518 Market St, Camden 1, NJ	WO4-9505
NY	Reynolds Metals Co	19 E. 47th St, New York 17, NY	EL5-7700
NC	Reynolds Metals Co	1616 Central Ave, Charlotte, NC	FR6-8549
Ohio	Reynolds Metals Co	2261 Victory Pkwy, Cincinnati 6, Ohio	PL1-2808
Okla	Reynolds Metals Co	1411 Classen Blvd, Oklahoma City, Okla	JA5-7527
Pa	Reynolds Metals Co	1 Gateway Center, Pittsburgh 22, Pa	GR1-9191
Tenn	Reynolds Metals Co	1717 W. End Ave, Nashville 3, Tenn	CH2-5694
Tex	Reynolds Metals Co	100 Exchange Pk, N., Dallas, Tex	FL2-4874
Utah	Reynolds Metals Co	2188 Highland Dr, Salt Lake City 6, Utah	HU7-7749
Wash	Reynolds Metals Co	307 Broad St, Seattle 1, Wash	MA3-2503
Wisc	Reynolds Metals Co	1412 Majestic Bldg, Milwaukee 3, Wisc	BR1-1051
	RHEEM CALIFONE CORP	**1020 N.LaBrea Ave, Hollywood 38, Cal**	**HO2-2353**
	RHEEM SEMICONDUCTOR CORP	**P. O. Box 1327, Mountain View, Cal**	**YO8-9211**
Cal	Al Lucks	5150 Wilshire Blvd, Los Angeles, Cal	WE7-1844
Ill	V A Dulia	1919 N. Harlem Ave, Chicago, Ill	BE7-4200
Mich	Rheem Semiconductor Corp	18450 Livernois Ave, Detroit, Mich	JN3-2879
Minn	Earl Chiswell	6519 Nicollett Ave, Minneapolis, Minn	UN6-8751
NJ	Gordon Schontzler	610 E. Palisade Ave, Englewood, NJ	LO7-4336
Foreign	Dage Corp	219 E. 44 St, New York 17, NY	MU2-6755
	RHO Engineering Co	**2242 Sepulveda Blvd, Los Angeles 64, Cal**	
	RHODE ISLAND INSUL WIRE CO	**50 Bwahan Ave, Cranston, RI**	**EL1-2500**
	RHODES INC., M H	**30 Bartholomew Ave, Hartford 6, Conn**	**JA2-4265**
Ala	Associates Mfg Agents	900 Carondelet St, New Orleans 12, La	CA6287
Ariz	W Lautz	1830 S. Central, Phoenix, Ariz	AL8-3469
Ark	N C Lamb & Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA7-0333
Cal	W J Goebel	225 W. 23rd St, Los Angles 7, Cal	RI7-3545
Cal	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Colo	V R Dittman	2300 S. Madison Ave, Denver 10, Colo	SK6-1306
Conn	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883
DC	F S Grott & Co	4012 Pickney Rd, Baltimore, Md	RO4-7705
Fla	Harry G Jubell	3037 Harbor Dr, Apt 14, Ft. Lauderdale	JA4-4549
Ga	F & L Sales & Service Co	1015 W. Kirkland Ave, Nashville, Tenn	CO2-0471
Hawaii	C R Frazier Jr	1001 Waiman St, Honolulu, TH	63486
Idaho	J R Penning	2323 2nd Ave, Seattle 1, Wash	MA2-1190
Ill	Eilman & Zuckerman	119 S. Jefferson St, Chicago 6, Ill	CE6-3905
Ind	Eilman & Zuckerman	119 S. Jefferson St, Chicago 6, Ill	CE6-3905
Iowa	Frank R Johnston Co	853 42nd St, Des Moines 12, Iowa	BL5-5865
Kan	W Zimmerman	Munger Sta, Wichita 8, Kan	MU3-3161
Ky	Phister Eng Co	709 Temple Bar Bldg, Cincinnati 2, Ohio	GA1-3850
La	R G Titherington	900 Carondelet St, New Orleans 12, La	CA6287
Me	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883
Md	F S Grott & Co	4012 Pickney Rd, Baltimore, Md	RO4-7705
Mass	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883
Mich	Ray Crosier	10035 Hemingway, Detroit 39, Mich	KE1-0272
Minn	Nelson & Son Inc	324 N. 1st St, Minneapolis, Minn	FE3-3328
Mo	N C Lamb & Co	7603 Forsyth Blvd, St. Louis 5, Mo	PA7-0333
Mont	J R Penning	2323 2nd Ave, Seattle 1, Wash	MA2-1190
Neb	Frank R Johnston Co	853 42nd St, Des Moines 12, Iowa	BL5-5865
Nev	Rudat & Ewing	636 Waverley St, Palo Alto, Cal	DA2-5232
NH	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	Closter Bros	220 5th Ave, New York 1, NY	ORg-0530
NM	W Lautz	1830 S. Central, Phoenix, Ariz	AL8-3469
NY	F H Breuning	110 Cleveland Blvd, Fayetteville, NY	NE7-6410
NY	Closter Bros	220 Fifth Ave, New York, NY	ORg-0530
NC	C C Niedringhaus	5338 Murrayhill Rd, Charlotte 9, NC	JA3-0558
ND	Nelson & Son Inc	324 N. 1st St, Minneapolis 1, Minn	FE3-3328
Ohio	Jubert Associates	3407 Warrensville Center Rd, Cleveland 22	WA1-1490
Ohio	Phister Eng Co	709 Temple Bar Bldg, Cincinnati 2, Ohio	GA1-3850
Okla	W Zimmerman	Munger Sta, Wichita 8, Kan	MU3-3161
Ore	J R Penning	2323 2nd Ave, Seattle 1, Wash	MA2-1190
Pa	A G Tyson	9 W. 3rd St, Chester, Pa	TR6-7161
RI	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883
SC	C C Niedringhaus	5338 Murrayhill Rd, Charlotte 9, NC	JA3-0558
SD	Nelson & Son Inc	324 N. 1st St, Minneapolis, Minn	FE3-3328
Tex	J V Schoonmaker Inc	5328 Redfield Ave, Dallas 35, Tex	LA6-7239
Utah	V R Dittman	2300 S. Madison Ave, Denver 10, Colo	SK6-1306
Vt	F Kosowicz	2 Madsen Rd, W. Hartford 10, Conn	AD3-7883
Va	Frank S Grott Co	4012 Pinkney Rd, Baltimore, Md	RO4-7705
Wash	J R Penning	2323 2nd Ave, Seattle, Wash	MA2-1190
W. Va	Nypenno Sales Co	502 Chestnut St, Pittsburgh 12, Pa	FA1-6263
Wyo	V R Dittman	2300 S. Madison Ave, Denver 10, Colo	SK6-1306
Foreign	Clark-Wright Corp	2311 Whitney Ave, New Haven, Conn	AT6-1638
	RIBET DESJARDINS	**13, rue Perier, Montrouge, France**	**AL24-40**
	RICHARDSON-ALLEN CORP	**116-15 15th Ave, College Point, NY**	
Ala	Mid-South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Ariz	Randolph Engineering Corp	12202 E. Garvey Blvd, Los Angeles, Cal	CU3-4183
Ark	Randolph Engineering Corp	12202 E. Garvey Blvd, Los Angeles, Cal	CU3-4183
Cal	Randolph Engineering Corp	12202 E. Garvey Blvd, Los Angeles, Cal	CU3-4183
Conn	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
Del	Adley Corp	210 N. 6th St, Camden, NJ	WA3-1085
DC	A H Baxter	412 Albee Bldg, Washington 5, DC	RE7-2121
Fla	C W Spengler & Associates	1669 Parrish Pl, Jacksonville, Fla	EV9-0249
Idaho	F W Carlson	1201 Dexter Ave, Seattle 9, Wash	AT4-4630
Ill	R S Terhune Associates	22 W. Madison Ave, Chicago, Ill	FI6-0053
Ind	R S Terhune Associates	22 W. Madison Ave, Chicago, Ill	FI6-0053
Iowa	W T McGary	6635 Delmar Blvd, St. Louis, Mo	
Kan	W T McGary	6635 Delmar Blvd, St. Louis, Mo	
Ky	W G Overman	6667 Mullen Rd, Cincinnati, Ohio	WI1-4920
La	Mid-South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Me	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
Md	A H Baxter	412 Albee Bldg, Washington 5, DC	RE7-2121
Mass	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
Mich	M F Knaus Co	3117 W. McNichols Rd, Detroit, Mich	DI1-8686
Minn	H C Fiske Co	2255 Rand Tower, Minneapolis, Minn	AT8151
Miss	Mid-South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Mo	W T McGary	6635 Delmar Rd, St. Louis 5, Mo	
Mont	T D McGarry	604 Utah Ave, Butte, Mont	8916
Neb	W T McGary	6635 Delmar Rd, St. Louis 5, Mo	
NH	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
NJ	O J Adamson	86 Heights Ave, Paramus, NJ	CO2-3652
NM	Randolph Engineer Co	12202 E. Garvey Blvd, El Monte, Cal	CU3-4183
NY	P G McNeill	100 Wellwood Rd, Fayetteville, NY	NE7-9205
NY	L E Markle Jr	115 Mill St, Williamsville 21, NY	PL4592
NC	E T Green	P.O. Box 5034, Greensboro, NC	BR2-6451
ND	H C Fiske Co	2255 Rand Tower, Minneapolis, Minn	AT8151
Ohio	Foster McClinton Inc	345 Mt. Lebanon Blvd, Pittsburgh, Pa	LE1-7113
Ohio	W G Overman	6667 Mullen Rd, Cincinnati, Ohio	WI1-4920
Ore	F W Carlson & Associates	935 N.W. 12th Ave, Portland 9, Ore	CA8-3795
Pa	Foster-McClinton Corp	345 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LE1-7113
Pa	Adley Corp	210 N. 6th St, Camden, NJ	WA3-1085
RI	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
SC	E T Green	3703 Kirby Dr, Greensboro, NC	BR5-3775
SD	H C Fiske Co	2255 Rand Tower, Minneapolis, Minn	AT8151
Tex	Rectifier Sales Corp of Texas	105 Rockleigh Pl, Houston, Tex	OL4-6536
Vt	A E Murphy	118 Kenyon Ave, Wakefield, RI	ST3-7148
Va	A H Baxter	412 Albee Bldg, Washington 5, DC	RE7-2121
Wash	F W Carlson	1201 Dexter Ave, Seattle 9, Wash	AT4-4630
W. Va	Foster McClinton Corp	345 Mt. Lebanon Blvd, Pittsburgh, Pa	LE1-7113
Wisc	R S Terhune & Associates	22 W. Madison Ave, Chicago, Ill	FI6-0053
	RICHARDSON CO., THE	**2767 Lake St, Melrose Park, Ill**	**MA6-8900**
Cal	Insulation Supply Co	779 Pico Blvd, Los Angeles 21, Cal	RI7-3272
Cal	Insulation Supply Co	2553 Middlefield Rd, Redwood City, Cal	EM9-7357
Cal	Richardson Co of Cal	1404 W. Hadley St, Whittier, Cal	OX5-4732
Ind	Richardson Co	20th & Olney, Indianapolis, Ind	ME8-2341
Kan	Wichita Aircraft Ind	P.O. Box 3825, Wichita, Kan	HO4-7311
Mass	Richardson Co	14 Spring St, Waltham, Mass	TW4-6904
Mich	Hammond-Hayes & Co	1034 N. Washington, Lansing 6, Mich	IV9-9311
Mich	S L Lundsten	13730 W. Eight Mile Rd, Oak Park 31,	LI7-9435
Minn	Richardson Co	1007 W. Franklin, Minneapolis, Minn	FR7-1630
Mo	O'Brien & Reynolds Inc	6611 Clayton Rd, St Louis, Mo	PA1-3033
NJ	Richardson Co	Codwise & Rutgers, New Brunswick, NJ	KI5-4850
NY	Richardson Co	3700 East Ave, Rochester 18, NY	LU6-6887
NY	Richardson Co	23 Milky Way Rd, Troy, NY	BE5-7472
Ohio	Richardson Co	27733 Lorain Rd, North Olmsted, Ohio	SP7-5747
Pa	Richardson Co	Philadelphia, Pa	WA2-1210
Tex	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas 35, Tex	FL2-6084
Wash	Bearing Sales & Service	2906 6th Ave, S., Seattle 4, Wash	MU0331
Wisc	Richardson Co	5501 W. North Ave, Milwaukee 8, Wisc	HI4-7711
Foreign	Overseas Export Corp	250 W. 57th St, New York 19, NY	PL7-6280
	RICHFIELD COINED PRODUCTS CO	**720 Broad St, Clifton, NJ**	**GR3-4381**
Foreign	Roditi International Corp Lt'd	12A Golden Sq, London, W.1, England	GE1997
	RIDGEFIELD INSTRUMENT GROUP SCHLUMBERGER CORP	**P. O. Box 307, Ridgefield, Conn**	**ID8-2631**
Ohio	Harshaw Scientific Div	1945 E. 97th St, Cleveland 6, Ohio	VU3-2424
	RIESTER & THESMACHER CO	**1526 W. 25 St, Cleveland 13, Ohio**	**CH1-0154**
Mass	Paul R Sturgeon Inc	25 Huntington Ave, Boston 16, Mass	
Minn	Anderson & Associates	3825 York Ave, Minneapolis, Minn	
NY	Frank W Taylor Co., Inc	4455 E. Genesee St, DeWitt 14, NY	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	RIMAK INC	**10929 Vanowen St, N. Hollywood, Cal**	**TR7-5526**
Ala	Robert Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
Alaska	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	CA8-5403
Ariz	Pacific Electro-Sales Inc	P.O. Box 9344, San Diego, Cal	BE3-3341
Ark	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Cal	Pacific Electro-Sales Inc	6053 1/2 Whittier Blvd, Los Angeles 22	RA3-3396
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Del	Robert Finlay	45 Broad St, Ridgewood, NJ	OL2-0088
DC	Bob Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9096
Fla	Robert Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
Ga	Robert Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
Hawaii	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Idaho	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Iowa	E W McGrade Co	Box 8876, Prairie Vil Sta, Kansas City, Mo	RA2-0758
Kan	E W McGrade Co	Box 8876, Prairie Vil Sta, Kansas City, Mo	RA2-0758
Ky	The Ohio Instrument Co	7316 Win Churchill Dr, Dayton 32, Ohio	CH4-2744
La	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Me	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Md	Bob Finlay Jr	P.O. Box 29, Lutherville, Md	VA3-9096
Mass	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Mich	Rod Butchart Co	16637 W Warren Ave, Detroit 24, Mich	TU2-6666
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls, Minn	WE9-6727
Miss	E W McGrade Co	Box 8876 Prairie Vil Sta, Kansas City, Mo	RA2-0758
Mo	E W McGrade Co	Box 8876 Prairie Vil Sta, Kansas City, Mo	RA2-0758
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	E W McGrade Co	Box 8876, Prairie Vil Sta, Kansas City, Mo	RA2-0758
Nev	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
NH	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
NJ	Robert Finlay	45 Broad St, Ridgewood, NJ	OL2-0088
NM	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
NY	Michael W Stollmack	67 Dorchester Rd, Emerson, NJ	CO1-2313
NC	Robert Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32	CH4-2744
Okla	W R Retzloff Co	P.O. Box 1786, San Antonio 6, Tex	LE3-7839
Ore	Dale G Weber Co	8 S E Clay St, Portland 14, Ore	CA8-5403
Pa	Robert Finlay	45 Broad St, Ridgewood, NJ	OL2-0088
RI	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
SC	Robert Thomas	942 S. 53rd St, Birmingham, Ala	LY2-4715
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	The Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32	CH4-2744
Tex	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Utah	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	Dan Greene Organization Inc	P.O. Box 124, Cambridge 38, Mass	UN4-2220
Va	Robert Finlay	45 Broad St, Ridgewood, NJ	OL2-4715
Wash	Robert Finlay	45 Broad St, Ridgewood, NJ	OL2-4715
W.Va	The Ohio Instrument Co	7316 Winston, Churchill Dr, Dayton 32	CH4-2744
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minnpls, Minn	WE9-6727
Wyo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
	RINCO INC.	**7962 S.E. Powell Blvd, Portland 4, Ore**	**PR4-3259**
Ariz	Luscombe Engineering Co	1020 Arroyo Pkwy, Pasadena, Cal	MU2-3386
Ark	Campion Sales	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Cal	Luscombe Engineering Co	1020 Arroyo Pkwy, Pasadena, Cal	MU2-3386
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal	DI2-7057
Cal	Luscombe Engineering Co	3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Conn	Abbett & Hustis	P.O. Box 52, Ridgefield, Conn	ID8-3200
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Idaho	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
Iowa	Eder Associates	2603 N. Downer Ave, Milwaukee 11, Wisc	WO4-3450
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Me	Abbett & Hustis	P.O. Box 248, Needham 92, Mass	HI4-5470
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Abbett & Hustis	P.O. Box 248, Needham 92, Mass	HI4-5470
Mich	Eder Associates	2603 N. Downer Ave, Milwaukee 11, Wisc	WO4-3450
Minn	Eder Associates	2603 N. Downer Ave, Milwaukee 11, Wisc	WO4-3450
Mont	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
NH	Abbett & Hustis	P.O. Box 248, Needham 92, Mass	HI4-5470
NJ	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
NJ	John W Richardt Co	Route 46, Pine Brook, NJ	CA8-0600
NY	Engineering Applications Co	237 E. Genesee St, Syracuse 2, NY	HA2-6797
Okla	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
Pa	C E Snow Co	919 E. Phil-Ellena, Philadelphia, Pa	LI8-8043
RI	Abbett & Hustis	P.O. Box 248, Needham 92, Mass	HI4-5470
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Vt	Abbett & Hustis	P.O. Box 248, Needham 92, Mass	HI4-5470
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wash	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
Wisc	Eder Associates	2603 N. Downer Ave, Milwaukee 11, Wisc	WO4-3450
Canada	Beechey Enterprises	1162 Mann St, North Weston, Ont, Can	CH4-8051
	RIPLEY CO., INC.	**1 Factory St, Middletown, Conn**	**DI6-6679**
Ala	Belcher & Associates Inc	1727 6th Ave, N., Birmingham, Ala	FA2-1733
Ariz	W H Eddy Electric Products Inc	Box 1428, Phoenix, Ariz	
Cal	John H Ormond Co	600 16th St, Oakland 12, Cal	
Cal	The A W Nash Co	2112 S. Atlantic Blvd, Los Angeles 22	LA6-3435
Colo	M & S Co	1635 17th St, Denver 17, Colo	
Conn	Gravbar Electric Co	2460 State St, Hamden, Conn	
Fla	William J Reasor & Associates	134 Bosphorus Ave, Tampa, Fla	
Fla	Belcher & Associates Inc	8751 Atlantic Blvd, Jacksonville 11, Fla	RA4-7811
Ga	Belcher & Associates Inc	68 Peachtreet St, N.W., Atlanta, Ga	JA5-4221
Ill	Gravbar Electric Co	850 W. Jackson Blvd, Chicago 80, Ill	CA6-4100
Ill	Gormak Co	7001 N. Clark St, Chicago 26, Ill	RO4-6366
Ind	Gravbar Electric Co., Inc	1300 W. 16th St, Indianapolis 2, Ind	ME8-2351
Ind	Gravbar Electric Co., Inc	6445 Indianapolis Blvd, Hammond, Ind	TI4-7800
Ky	J H Warrington	Box 293, Lexington, Ky	2-8149
Md	Barrington Associates	33 S. Gay St, Baltimore 2, Md	PL2-1927
Mass	T W Fitzpatrick	30 Huntington Ave, Boston, Mass	CO7-4754
Mich	Burvl Hill Inc	15425 Schaefer Hwy, Detroit 27, Mich	
Miss	E W Cook	Box 1325, Jackson, Miss	FL2-3586
Mont	Gravbar Electric Co	604 E. Aluminum St, Butte, Mont	
Neb	Johansen Associates	2324 N. 48th St, Lincoln, Neb	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NJ	M E Maxwell Inc	45 N. Broad St, Ridgewood, NJ	GI5-7171
NC	Max I Miller	Box 2826, Greensboro, NC	BR3-7955
Ore	William J Cottrell & Associates	4000 S.W. Macadam Ave, Portland 1, Ore	
Ore	Gravbar Electric Co., Inc	2580 W. Broadway, Eugene, Ore	
Ore	Gravbar Electric Co., Inc	Park & Flanders St, Portland 8, Ore	
Pa	Gravbar Electric Co., Inc	900 Ridge Ave, Pittsburgh 12, Pa	
Tenn	Clyde W Ledford	1325 Phil's Dr, Chattanooga, Tenn	
Tex	Gravbar Electric Co	717 Latimer St, Dallas 26, Tex	
Tex	Gravbar Electric Co., Inc	1702 Cullen Blvd, Houston 3, Tex	
Va	Gravbar Electric Co	10 S. 6th St, Richmond, Va	
Wash	Gravbar Electric Co	King & Occidental Sts, Seattle 24, Wash	
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	
	RIVERBANK LABORATORIES, DEPT OF ENGINEERING	**P.O. Box 65, Geneva, Ill**	**CE2-2207**
	RIVER EDGE SALES CORP	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Garrard Sales Corp		
	RIVERSIDE-ALLOY METAL DIV H K PORTER CO., INC	**1 Pavilion Ave, Riverside, NJ**	**HO1-3000**
Cal	H K Porter Co., Inc	6424 Fleet St, Los Angeles, Cal	RA3-6069
Conn	H K Porter Co., Inc	2535 Albany Ave, W. Hartford 7, Conn	AD3-4489
Ga	H K Porter Co., Inc	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-7302
Ill	H K Porter Co., Inc	5234 W. Belmont Ave, Chicago 41, Ill	MU5-6448
Mich	H K Porter Co., Inc	3900 E. Outer Dr, Detroit 34, Mich	TW1-2900
NJ	H K Porter Co., Inc	19 Washington St, E. Orange, NJ	OR5-4333
NY	H K Porter Co., Inc	19 Washington St, E. Orange, NJ	OR5-4333
NY	H K Porter Co., Inc	36 Winthrop St, Rochester 7, NY	HA6-3351
Ohio	H K Porter Co., Inc	4040 Mayfield Rd, Cleveland 21, Ohio	EV2-2020
	RIXON ELECTRONICS INC	**2414 Reedie Dr, Silver Spring, Md**	**LO5-4578**
	ROANWELL CORP	**180 Varick St, New York, NY**	**YU9-1090**
Ala	Donald C Jaeger	200 Cambridge Blvd, Winter Park, Fla	MI7-3709
Ariz	S O Jewett Co	1025 S Van Buren, Tucson, Ariz	EA7-1644
Cal	S O Jewett Co	13111 Ventura Blvd, N. Hollywood, Cal	ST9-8103
Del	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
DC	Arnold Rosenberg	733-15th St, N.W. Washington 5, DC	EX3-1174
Fla	Wm R Lehmann Co	P.O. Box 1224, Orlando, Fla	GA4-0131
Ga	Wm R Lehmann Co	P.O. Box 1224, Orlando, Fla	GA4-0131
Md	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
NJ	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
NC	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
Ohio	Lionel S Fedotin	1434 Vancouver Dr, Dayton 7, Ohio	CR5-9345
Okla	Tex-O-Koma Sales Co	235 S.E. 14 St, Grand Prairie, Tex	AN2-0866
Pa	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
Tex	Tex-O-Koma Sales Co	235 S.E. 14 St, Grand Prairie, Tex	AN2-0866
Va	C R Hile Co	Hillview Rd, Paoli, Pa	EL6-2266
	ROBBINS AVIATION INC	**2350 E. 38th St, Los Angeles 58, Cal**	**LU9-5221**
Cal	Victor Equipment Co	840-54 Folsom St, San Francisco 7, Cal	GA1-3000
Cal	Western Air Compressor Co	2001 W. Artesia Blvd, Torrance, Cal	FA1-1861
Colo	Rocket Components Co	2950 S. Fox St, Englewood, Colo	SU9-2548
Conn	Cook Aircraft Products Co	P.O. Box 338, Suffern, NY	SU5-0775
Fla	J G Christopher & Co	416-422 E. Bay St, Jacksonville 1, Fla	EL3-3961
Ill	Flow Products Inc	5656 W. Diversey Ave, Chicago 39, Ill	TU9-5252
Ind	Flow Products Inc	5656 W. Diversey Ave, Chicago 39, Ill	TU9-5252
Iowa	Flow Products Inc	5656 W. Diversey Ave, Chicago 39, Ill	TU9-5252
La	The Gay Sales Co., Inc	5945 Plank Rd, Baton Rouge, La	EL7-2423
Md	Cook Aircraft Products Co	P.O. Box 338, Suffern, NY	SU5-0775
Mich	Flow Products Inc	5656 W. Diversey Ave, Chicago 39, Ill	TU9-5252
NJ	Cook Aircraft Products Co	P.O. Box 338, Suffern, NY	SU5-0775
NY	Cook Aircraft Products Co	P.O. Box 338, Suffern, NY	SU5-0775
NY	Niagara Instruments & Equipment	109 Macbeth St, Rochester 9, NY	BU8-5200
Okla	Chas Wheatley Co	414 S. Detroit, Tulsa 20, Okla	LU4-3661
Pa	Cook Aircraft Products Co	P.O. Box 338, Suffern, NY	SU5-0775
Tex	Gay Sales Co., Inc	420 Sul Ross St, Houston, Tex	JA9-3479
Tex	Gay Sales Co., Inc	6414 Walnut Hill Ln, Dallas, Tex	EM6-2325
Wash	A F Woolsey	84 Madison St, Seattle 4, Wash	MA3-7061
Wisc	Flow Products Inc	5656 W. Diversey Ave, Chicago 39, Ill	TU9-5252
Wyo	Rocket Components Co	2950 S. Fox St, Englewood, Colo	SU9-2548
	ROBBINS & MYERS INC	**1347 Lagonda Ave, Springfield, Ohio**	**FA3-6461**
Ariz	Toncray Equipment Co	213 N. First Ave, Phoenix, Ariz	AL4-1383
Cal	R Meussdorffer	3491 Cahuenga Blvd, Los Angeles, Cal	HO2-6039
Cal	Fernholtz Machinery Co	8468 Melrose Pl, Los Angeles, Cal	OL3-2360
Cal	C W Boswell	1139 Mission St, San Francisco, Cal	HE1-3435
Colo	Materials Handling Equipment Co	1795 Sheridan Blvd, Denver, Colo	BE7-0433
Colo	Howard Toncray	1732 Blake St, Denver, Colo	CH4-1102
Ga	Carl Johnson	Walton Bldg, Atlanta, Ga	JA2-2632
Ill	Robbins & Myers Inc	5517 W. Montrose Ave, Chicago, Ill	SP7-8970
Ind	Robbins & Myers Inc	132 E. 30th St, Indianapolis, Ind	WA5-5946
Iowa	Johnson Equipment Co	First Federal Bldg, Davenport, Iowa	2-5511
La	O E Barron	621 Commercial Pl, New Orleans, La	JA2-3101
La	McCumnin Swan & Associates	959 S. Clark St, New Orleans, La	GA5683
Md	Clisby & Associates	2439 N. Charles St, Baltimore, Md	BE5-3726
Md	H E Butler	P.O. Box 3458, Baltimore, Md	MU5-1318
Mass	Northeastern Electric Co	248 Broadway, Boston, Mass	HA6-8828
Mich	C A Lofgren	1840 Hilton Rd, Ferndale, Mich	JO6-2387
Mich	Advance Fan & Blower Co	15301 Tireman Ave, Dearborn, Mich	LU4-5200
Minn	E E Rempfer & Associates	215 6th St, S.E., Minneapolis, Minn	FE6-1021
Minn	Van Bergen & Markson	3381 Gorham Ave, Minneapolis, Minn	TA2-3183
Mo	Robbins & Myers Inc	Union Sta, Kansas City, Mo	HA2577
Mo	Geo F Heath Co	4030 Chouteau Ave, St. Louis, Mo	JE1-6167
NY	Robbins & Myers Inc	57 Murray St, New York, NY	BE3-0331
NY	Joseph S Steen	4446 Main St, Buffalo, NY	CI3158
Ohio	Robbins & Myers Inc	3030 Euclid Ave, Cleveland, Ohio	EN1-5510
Okla	M B Sherman	1341 S. Boston St, Tulsa, Okla	GI7-0514
Ore	Brod & McClung	9800 S.E. McBrod Ave, Portland, Ore	OL4-5401
Pa	Clisby & Associates	28 S. Delaware Ave, Philadelphia, Pa	WA2-2185

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Robbins & Myers Inc	8418 W Chester Pike, Upper Darby, Pa	[illegible]-7936
Pa	Gilling Engineering Co	1207 [illegible], Pittsburgh, Pa	AL1-1420
Tenn	Tom B Jones Mfgs Repr Motor Div	[illegible], Memphis, Tenn	BR6-4459
Tex	G R Hale, Mfgs Repr Motor Div	2514 [illegible], Dallas, Tex	[illegible]
Utah	[illegible] Equipment Co	[illegible], Salt Lake City, Utah	[illegible]
Utah	Modern Equipment Co	[illegible], Salt Lake City, Utah	[illegible]
Wash	[illegible] Schultz Co	[illegible], Seattle, Wash	[illegible]
Wash	Star Machinery Co	[illegible], Seattle, Wash	[illegible]
W. Va	Harris Pump & Supply Co	322 Quarrier St, Charleston, W Va	
Wisc	E [illegible] & Associates	P.O. Box 181, Wauwatosa, Wisc	
Wisc	J D Wilson Co	4831 W. State St, Milwaukee, Wisc	GR6-9500
Canada	Robbins & Myers	Brantford, Ontario, Canada	2-5447
	ROBERTS ELECTRONIC'S INC	**829 N. Highland Ave, Hollywood 38, Cal**	**HO2-6331**
	ROBERTSHAW-FULTON CONTROLS CO AERO & INSTR DIV	**Santa Ana Fwy at Euclid, Anaheim, Cal**	**KE5-8151**
Ala	W E Veenschoten	2115 8th Ave, S. Birmingham, Ala	AL1-3567
Ariz	Eggelhof Engineers Inc	Box 1743, Houston 3, Tex	CA8-6471
Ark	Engineered Instrument Sales Co	Box 9947, Memphis 12, Tenn	FA3-1275
Cal	Stillson Associates	33 Meadowpark Ct, Orinda, Cal	CL4-3751
Cal	Carbeek Engineering Co	Box 1147-M, Pasadena, Cal	MU1-0489
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver, Colo	GE3-6436
Conn	Hoyt-Grant Co., Inc	Box 6157, New Haven 17, Conn	CH8-4447
Del	Donald Y Daily	Box 213, Springfield, Del Co, Pa	KI3-1121
DC	Donald Y Daily	Box 213, Springfield, Del Co, Pa	KI3-1121
Fla	K L Diller & Associates	P. O. Box 2015, Pompano Beach, Fla	WH1-2706
Ga	Abernathy-Thomas Engrg Co	222-14th St, N.W., Atlanta 13, Ga	TR4-4291
Idaho	Continental Laboratories Inc	517-4th St, W., Billings, Mont	9-1394
Ill	Johnson Engineering & Sales	9044 S. Ashland, Chicago 20, Ill	PR9-5220
Ill	Carl F Gast Co	6110 Garesche Ave, St. Louis 20, Mo	EV3-0750
Ind	Electro Products	702 E. 10th St, Indianapolis 5, Ind	ME1-7420
Iowa	H G Klug Co	2029 N. 67th Ave, Omaha, Neb	GL1-377
Kan	Kirk Campbell Co	1735 Locust St, Kansas City 8, Mo	VI2-2315
Ky	Allan K Cook Co	604 W. Main St, Louisville 2, Ky	JU7-1269
La	Eggelhof Engineers Inc	P. O. Box 13186, New Orleans 25, La	UN6-4548
Me	Crosby & Siegars Inc	P. O. Box 654, Portland 4, Me	32067
Md	Donald Y Daily	P. O. Box 213, Springfield, Del Co, Pa	KI3-1121
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Mich	H A Reed Co	19465 James Couzens Hwy, Detroit	VE8-6882
Minn	Smico Sales Co	4501 Browndale Ave, Minneapolis, Minn	WA6-9975
Miss	Engineered Instrument Sales Co	P. O. Box 9947, Memphis 12, Tenn	FA3-1275
Mo	Carl F Gast Co	6110 Garesche Ave, St. Louis 20, Mo	EV3-0750
Mo	Kirk Campbell Co	1735 Locust St, Kansas City 8, Mo	VI2-2315
Mont	Continental Laboratories Inc	517-4th St, W., Billings, Mont	91394
Neb	H G Klug Co	2029 N. 67th Ave, Omaha, Neb	GL1-377
Nev	Stillson Associates	33 Meadowpark Ct, Orinda, Cal	CL4-3751
NH	Crosby & Siegars Inc	P. O. Box 654, Portland 4, Me	32067
NJ	Robertshaw-Fulton Controls Co	21 Euclid Ave, Haddonfield, NJ	HA8-3334
NM	Eggelhof Engineers Inc	P. O. Box 1743, Houston 3, Tex	CA8-6471
NY	Nickles Engineering Co	930 Linden Ave, Rochester 10, NY	LU6-4988
NC	Charles M Setzer & Co	P. O. Box 1867, Charlotte 1, NC	ED2-3550
ND	Smico Sales Co	4501 Browndale Ave, Minneapolis, Minn	WA6-9975
Ohio	Lester Johnson Co	3909 E. 123rd St, Cleveland 5, Ohio	SK1-7040
Okla	Eggelhof Engineers Inc	1524 Hunt Bldg, Tulsa, Okla	LU5-5788
Pa	West Penn Controls Co	P. O. Box 11055, Pittsburgh 37, Pa	PO6-4877
Pa	Robertshaw-Fulton Controls Co	21 Euclid Ave, Haddonfield, NJ	HA8-3334
Pa	Donald Y Daily	P. O. Box 213, Springfield, Del Co, Pa	KI3-1121
RI	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
SC	Charles M Setzer & Co	P. O. Box 1867, Charlotte 1, NC	ED2-3550
SD	Smico Sales Co	4501 Browndale Ave, Minneapolis, Minn	WA6-9975
Tenn	Abernathy-Thomas Engrg Co	Drawer A, Kingsport, Tenn	CI6-2242
Tex	Eggelhof Engineers Inc	P. O. Box 1743, Houston 3, Tex	CA8-6471
Utah	Robertshaw-Fulton Controls Co	Santa Ana Frwy at Euclid, Anaheim, Cal	KE5-8151
Vt	Broger Instrument Sales Co	48 Pearl St, Brookline 47, Mass	BE2-4804
Va	Donald Y Daily	P. O. Box 213, Springfield, Del Co, Pa	KI3-1121
W. Va	Industrial Equipment Co	P. O. Box 2747, Charleston 23, W. Va	DI3-7606
Wisc	Johnson Engineering & Sales	9044 S. Ashland, Chicago 20, Ill	PR9-5220
Wyo	Continental Laboratories Inc	517-4th St, W., Billings, Mont	91394
	ROBERTS TOLEDO RUBBER CO	**4143 Monroe St, Toledo, Ohio**	**GR9-4466**
Cal	Fred Lawrence Associates	8845 W. Olympic Blvd, Beverly Hills	OL7-0140
Ill	Ed Weichmann	737 N. Michigan Ave, Chicago 11, Ill	WH4-4888
Kan	Panaloy Co	1627 Main St, Kansas City 8, Mo	
Mich	R B Harper Co	814 Fisher Bldg, Detroit, Mich	TR1-3830
Ohio	C B Miller	P.O. Box 66, Cincinnati 27, Ohio	LO1-7449
Pa	Towle & Son Co	402 Bethlehem Pike, Philadelphia 18, Pa	CH8-3233
Wisc	R H Clague	759 N. Milwaukee St, Milwaukee, Wisc	BR2-1951
	ROBINETTE CO., W C	**802 Fair Oaks Ave, S. Pasadena, Cal**	**MU2-1594**
	ROBINS INDUSTRIES CORP	**36-27 Prince St, Flushing 54, NY**	**HI5-7200**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Alaska	Dom Grinols	P.O. Box 1684, Anchorage, Alaska	
Ariz	I R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Ark	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Cal	I R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Cal	Bernard A Cahn Co	823 Lake St, San Francisco, Cal	
Colo	Kouther-Cox Co	110 W. 13 Ave, Denver4, Colo	MA3-3544
Conn	Robert Smith Co	59 Verndale St, Brookline, Mass	AS7-0017
Del	Eberle-Schaar Co	R.D. 1, Lewisberry, Pa	PO6-3995
DC	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Fla	Ted J Sharaf	910 Van Buren St, Hollywood, Fla	WA2-4430
Ga	The Hilker Co	P.O. Box 5211, Winston Salem, NC	PA5-8588
Hawaii	I R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
Idaho	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	CH6-4556
Ill	Ray R Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Ill	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo	PH5-1023
Ind	Charles Scheffler Co	1133 Navajo Trail, Indianapolis, Ind	LI7-7010
Iowa	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo	PH5-1023
Kan	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo	PH5-1023
Ky	Charles Scheffler Co	1133 Navajo Trail, Indianapolis, Ind	LI7-7010
La	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Robert Smith Co	59 Verndale St, Brookline, Mass	AS7-0017
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore, Md	RI7-3227
Mass	Robert Smith Co	59 Verndale St, Brookline, Mass	AS7-0017
Mich	Wayne Beitel Co	13209 Fenkell, Detroit 27, Mich	VE8-9100
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Mo	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo	PH5-1023
Mont	Roger M Minthorne Co	0673 S.W. Taylor Ferry Rd, Portland, Ore	CH6-4556
Neb	Carmine A Vignola Associates	P.O. Box 569, Jefferson City, Mo	PH5-1023
Nev	I R Stern Co	4109 Burbank Blvd, Burbank, Cal	VI9-1195
NH	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
NJ	Stang Sales Co	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NM	Koether-Cox Co	110 W. 13 Ave, Denver 4, Colo	MA3-3544
NY	Leo Jacobson Co., Inc	1366 Kenmore Ave, Buffalo, NY	DE0442
NY	Stang Sales Co	271 Columbus Ave, Tuckahoe, NY	SP9-6868
NC	The Hilker Co	P.O. Box 5211, Winston Salem, NC	PA5-8588
Ohio	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Okla	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Ore	Roger M Minthorne Co	0673 S.W. Taylor Ferry Rd, Portland, Ore	CH6-4556
Pa	Eberle-Schaar Co	R.D. 1, Lewisberry, Pa	PO6-3995
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
RI	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
SC	The Hilker Co	P.O. Box 5211, Winston Salem, NC	PA5-8588
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Tex	W R Retzloff Co	P.O. Box 1786, San Antonio, Tex	LE3-7839
Utah	Koether-Cox Co	110 W. 13 Ave, Denver 4, Colo	MA3-3544
Vt	Robert Smith Co	59 Verndale St, Brookline 46, Mass	AS7-0017
Va	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Wash	Roger M Minthorne	0673 S.W. Taylor Ferry Rd, Portland, Ore	CH6-4556
W.Va	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Wisc	Ray R Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	NE1-3248
Wyo	Koether-Cox Co	110 W. 13 Ave, Denver 4, Colo	MA3-3544
Foreign	Telesco International	36 W. 40 St, New York, NY	PE6-2165
	ROBINSON MACHINE CO., INC	**286 Preakness Ave, Paterson 2, NJ**	**AR4-8405**
	ROBINSON TECHNICAL PRODUCTS INC	**Teterboro Air Terminal, Teterboro, NJ**	**AT8-2500**
Cal	West Coast Engrg Office	604 Colorado Ave, Santa Monica, Cal	EX5-3266
Cal	George W Ledbetter Co	P.O. Box 528 Encino, Cal	ST9-8115
Minn	H N Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
NY	R P Kennedy Co	182 Mayflower Dr, Rochester 18, NY	BR1-6322
Tex	Jack F McKinney Sales Co	1303 Chemical St, Dallas 7, Tex	RI1-1368
Wash	Avionics Liaison Inc	Boeing Field - Box 15, Seattle 8, Wash	PA3-7602
Canada	Aviation Electric Ltd	P.O.Box 6102, Montreal 9, Canada	RI4-2811
Foreign	Societe Vibrachoc	39, Rue Des Mathurins, Paris 8, France	
	ROBOTRON CORP	**21300 W. 8 Mile Rd, Detroit 41, Mich**	**KE4-7400**
Conn	Kenneth Wilson	311 Canterbury Rd, Havertown, Pa	HI6-9619
Ind	Orville Martin	4637 Hedgewood, Dayton, Ohio	OR4505
Mich	Marshall Johnson	1852 Ralph, S.E., Grand Rapids, Mich	CH3-0705
Mich	Charles Snow	403 Field, Clio, Mich	MU6-9954
NH	Kenneth Wilson	311 Canterbury Rd, Havertown, Pa	HI6-9619
NJ	Kenneth Wilson	311 Canterbury Rd, Havertown, Pa	HI6-9619
NY	Roy Shortt	102 Berger Ave, Syracuse 5, NY	GI6-4580
Ohio	John Bystranowski	2539 Kenilworth, Cleveland Hgts, Ohio	ER1-1355
Pa	Kenneth Wilson	311 Canterbury Rd, Havertown, Pa	HI6-9619
Pa	John Bystranowski	2539 Kenilworth, Cleveland Hgts, Ohio	ER1-1355
Canada	Frank Amy	Box 73, Burlington, Ontario, Canada	EM8-5527
	ROCKBESTOS WIRE & CABLE CO., DIV. OF CERRO DE PASCO CORP	**Nicoll & Conner Sts, New Haven 4, Conn**	**ST7-1141**
Cal	Rockbestos Wire & Cable Co	6 Guittard Rd, Burlingame, Cal	OX7-1060
Cal	Rockbestos Wire & Cable Co	4020 W. Third St, Los Angeles 5, Cal	DU7-7378
Ill	Rockbestos Wire & Cable Co	4534 W. Madison St, Chicago 24, Ill	ES9-2265
Mich	Rockbestos Wire & Cable Co	8830 W. McNichols Rd, Detroit 21, Mich	DI1-8575
Mo	Rockbestos Wire & Cable Co	Lambert-St. Louis Mun Airport, St. Louis	PE1-3760
NY	Rockbestos Wire & Cable Co	60-10 Maurice Ave, Maspeth, NY	OL1-2500
Ohio	Rockbestos Wire & Cable Co	2000 Warrensville Center Rd, Cleveland 21	EV2-3344
Pa	Rockbestos Wire & Cable Co	2520 Koppers Bldg, Pittsburgh 19, Pa	AT1-4486
	ROCKLAND INSULATED WIRE & CABLE CO	**36 Main St, Haverstraw, NY**	**HA9-3103**
Ariz	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	TE0-4647
Cal	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	TE0-4647
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Idaho	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Minn	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Mont	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NM	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	TE0-4647
ND	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
SD	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Wash	Bucky Harris Co	3440 Overland Ave, Los Angeles 34, Cal	TE0-4647
Wisc	Edward Hoffman Co	180 N. Snelling Ave, St. Paul 4, Minn	MI5-4662
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
	ROCKWELL ENGINEERING CO	**2125 E. 45th St, Indianapolis 5, Ind**	**CL1-9453**
	RODALE ELECTRONICS	**562 Grand Blvd, Westbury, NY**	**ED3-6810**
	ROEBLING'S SONS, JOHN A., DIV., COLORADO FUEL & IRON CORP	**640 S. Broad St, Trenton 2, NJ**	**EX6-6511**
Ala	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
Ark	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
Conn	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
Del	JAR Sales Office	6 Penn Center Plaza, Phila 3, Pa	LO8-2590
DC	JAR Sales Office	6 Penn Center Plaza, Phila 3, Pa	LO8-2590
Fla	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
Ga	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
Ill	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Ind	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Iowa	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Kan	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Ky	JAR Sales Office	13225 Lakewood Hghts Blvd, Cleve 7, Ohio	CL2-6060
La	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
Me	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
Md	JAR Sales Office	6 Penn Center Plaza, Phila 3, Pa	LO8-2590
Mass	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
Mich	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Minn	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Miss	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
Mo	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Neb	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
NH	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
NJ	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
NM	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
NY	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
NC	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
ND	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Ohio	JAR Sales Office	13225 Lakewood Hghts Blvd, Cleve 7,	CL2-6060
Okla	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
Pa	JAR Sales Office	Henry W Oliver Bldg, Pittsburgh 22, Pa	EX1-3870
Pa	JAR Sales Office	6 Penn Center Plaza, Phila 3, Pa	LO8-2590
RI	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
SC	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
SD	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
Tenn	JAR Sales Office	934 Avon Ave, S.W., Atlanta 10, Ga	PL3-2151
Tex	JAR Sales Office	6216 Navigation Blvd, Houston 1, Tex	WA6-8316
Vt	JAR Sales Office	19 Rector St, New York 6, NY	WH3-5200
Va	JAR Sales Office	6 Penn Center Plaza, Phila 3, Pa	LO8-25[illegible]
W. Va	JAR Sales Office	Henry W Oliver Bldg, Pittsburgh 22, Pa	EX1-3870
Wisc	JAR Sales Office	5525 W. Roosevelt Rd, Chicago 50, Ill	BI2-1100
	ROFLAN CO	**Rt 1 & Camp Meeting Rd, Topsfield, Mass**	
	ROGAN BROS	**8031 N. Monticello, Skokie, Ill**	**OR5-1233**
Cal	C H Mitchell Co	13804 Ventura Blvd, Sherman Oaks, Cal	ST8-1013
Conn	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
Mass	Fran Kosowicz	2 Madsen Rd, W. Hartford, Conn	AD3-7883
Mo	C B Fall Co	317 N. 11th St, St. Louis, Mo	CH1-2433
Foreign	Carrington H Stone	205 W. Wacker Dr, Chicago, Ill	RAE-7725
	ROHDE & SCHWARZ USA INC	**Box 275, Passaic, NJ**	**PR3-8010**
Ala	W A Brown & Associates Inc	3405 Lookout Dr, S.E., Huntsville, Ala	JE6-8393
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Ariz	Wright Engineering Co	180 E. California St, Pasadena 1, Cal	MU1-8488
Ark	Industrial Associates Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
Cal	Wright Engineering Co	180 E. California St, Pasadena 1, Cal	MU1-8488
Cal	Wright Engineering Co	126 25th Ave, San Mateo, Cal	FI5-3157
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	AM7-0411
Idaho	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Karl A Kopetzky	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1081
Ind	Karl A Kopetzky	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1081
Iowa	Karl A Kopetzky	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1081
Kan	Industrial Associated Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
Ky	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
La	Industrial Associated Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
Md	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Neb	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Nev	Wright Engineering Co	180 E. California St, Pasadena 1, Cal	MU1-8488
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, W. Orange, NJ	RE1-800
NM	Industrial Associated Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
NY	Louis A Garten & Associates	645 Eagle Rock Ave, W. Orange, NJ	RE1-800
NY	NACO Electronics Corp	704 Allen Rd, N. Syracuse, NY	GL8-2358
NC	W A Brown & Associates Inc	1707 Princeton St, Winston-Salem, NC	
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Okla	Industrial Associated Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	TU7-6400
Pa	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Tenn	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Tex	Industrial Associated Electronics	P.O. Box 8068, Ft. Worth, Tex	JE5-2056
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA1818
W. Va	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va	TE6-1800
Wisc	Karl A Kopetzky	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1081
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
	ROHDEN MFG CO., INC	**4739 Montrose Ave, Chicago 41, Ill**	**SP7-4600**
	ROHN MFG CO	**116 Limestone, Peoria, Ill**	**7-8416**
Ala	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Alaska	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
Ark	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Cal	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Colo	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Conn	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Del	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
DC	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Fla	William F Hemminger	624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ga	Dixie Electronic Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Hawaii	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
Idaho	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Ky	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
La	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Md	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Mass	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Minn	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-0891
Miss	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Mont	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
Mont	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Neb	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
Nev	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
NH	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
NJ	Lincoln Sales Co	1 Fisher Dr, Mt. Vernon, NY	MO8-0442
NJ	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
NM	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
NY	Dillon D Donahue	203 La Forte Ave, Syracuse 5, NY	GR6-2035
NY	Lincoln Sales Co	1 Fisher Dr, Mt. Vernon, NY	MO8-0442
NC	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
ND	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-0891
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
Pa	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
RI	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
SC	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
SD	E W Oszman	12 E. 25th St, Minneapolis, Minn	FE9-0891
SD	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
Tenn	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Tex	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Utah	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
Vt	Near Inc	99 Highland Ave, Somerville, Mass	UN4-3696
Va	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Wash	Don H Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	CA7-3830
W. Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wyo	W B Gollher	1559 Chester St, Aurora, Colo	EM6-0208
Foreign	Mart Haller Inc	930 N.E. 2nd Ave, Miami 7, Fla	FR4-5225

	ROLA CO DIV MUTER CO	**2530 Superior Ave, Cleveland 14, Ohio**	**PR1-4242**
Cal	Charles A Hansen	1406 S. Grand Ave, Los Angeles 15, Cal	RI8-6191
Ill	Thomas B Hunter & Associates	4441 W. Irving Park Rd, Chicago 41, Ill	SP7-2500
Ind	Thomas B Hunter & Associates	4441 W. Irving Park Rd, Chicago 41, Ill	SP7-2500
NJ	Floyd W Churchill	50 Upland Way, Haddonfield, NJ	HA9-7871
NY	George J Gay	57 South Ave, Brockport, NY	905
NY	Milton C Snyder	104 S. Central Ave, Valley Stream, NY	LO1-0180
Pa	Floyd W Churchill	50 Upland Way, Haddonfield, NJ	HA9-7871

	ROLLAN ELECTRIC CO	**8233 S. Princeton Ave, Chicago 20, Ill**	**RA3-4000**

	ROMAC PRODUCTS CO	**48-01 25 Ave, Long Island City 3, NY**	

	ROMAR PLASTICS INC	**1311 E. Main St, St Charles, Ill**	**JU4-6571**
Ariz	Ellender Enterprises	408 S. Rosemead Blvd, Pasadena, Cal	MU1-9871
Cal	Ellender Enterprises	408 S. Rosemead Blvd, Pasadena, Cal	MU1-9871
Iowa	Richard McGee	2016 N. Herschel, St Paul 13, Minn	MI4-2767
Kan	Panaloy	1627 Main St, Kansas City, Mo	VI2-7944
Md	J-H Electronics	P.O. Box 6844, Towson, Md	VA5-4441
Mich	Herman Miller Associates	2735 Clyde Pk Ave, S.W., Grand Rapids	CH5-0507
Minn	Richard McGee	2016 N. Herschel, St Paul 13, Minn	MI4-2767
Mo	Panaloy	1627 Main St, Kansas City, Mo	VI2-7944
NJ	S Wayne Garrigues	P.O. Box 744, Bala-Cynwyd, Pa	MO4-5646
NY	Paul Aaron	Professional Bldg, Port Washington, NY	PO7-8480
NY	Bowser & Sapecky	2076 Sheridan Dr, Kenmore, NY	DE0484
Ohio	John Olsen	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Panaloy	1627 Main St, Kansas City, Mo	VI2-7944
Pa	John O Olsen	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	S Wayne Garrigues	P.O. Box 744, Bala-Cynwyd, Pa	MO4-5646
SC	J-H Electronics	P.O. Box 6844, Towson, Md	VA5-4441
Va	J-H Electronics	P.O. Box 6844, Towson, Md	VA5-4441
Wisc	George Dwyre	722 Michigan Ave, Sheboygan, Wisc	GL2-5360

	ROME CABLE DIV OF ALCOA	**Ridge St, Rome, NY**	**RO3600**

	ROOTS-CONNORSVILLE BLOWERS	**900 W. Mount St, Connersville, Ind**	**1500**
Ariz	Ken Smith Co	P.O. Box 6104, Phoenix, Ariz	AL8-0901
Cal	Roots-Connersville Blowers	5120 Pacific Blvd, Los Angeles 58, Cal	LU3-1361
Cal	Roots-Connersville Blowers	593 Market St, San Francisco 5, Cal	EX2-0232
Colo	G M Wallace & Co	Denham Bldg, Denver 2, Colo	AM6-0366
DC	Meleney Engineering Co	Mills Bldg, Washington 6, DC	DI7-6329
Ga	Roots-Connersville Blowers	3166 Maple Dr, N.E., Atlanta 5, Ga	CE7-0403
Ill	Roots-Connersville Blowers	1737 W. Howard St, Chicago 26, Ill	BR4-5113
Mass	Roots-Connersville Blowers	945 Great Plain Ave, Needham 92, Mass	HI4-2322
Mich	Roots-Connersville Blower	4917 Schaefer Rd, Dearborn 2, Mich	LU2-3403
Mo	Kansas City Equipment Co	4706 Holly St, Kansas City 12, Mo	PL3-3737
Mo	Sample Bros	2010 Big Bend Blvd, St. Louis 17, Mo	ST1-7941
Mont	G M Wallace & Co	P.O. Box 208, Butte, Montana	2-8391
NY	Bass Industrial Equipment Co	6045 Main St, Buffalo 21, NY	PL0600
NY	Roots-Connersville Blowers	122 E. 42nd St, New York 17, NY	OX7-2800
Ohio	Roots-Connersville Blowers	5912 Hamilton Ave, Cincinnati 24, Ohio	LI2-4524
Ohio	Roots-Connersville Blowers	1900 Euclid Ave, Cleveland 15, Ohio	PR1-8386
Okla	D B Hutchcraft Co	2821 S. Florence Ave, Tulsa 14, Okla	RI2-1261
Ore	C L Koerner	12200 S. E. Oatfield Rd, Portland, Ore	OL4-8773
Pa	Roots-Connersville Blowers	357 Lancaster Ave, Haverford, Pa	MI2-4638
Pa	Roots-Connersville Blowers	Grant Bldg, Pittsburgh 19, Pa	AT1-5571
Tenn	P A Chapman & Associates Inc	P.O. Box 8205, Chattanooga 11, Tenn	AM6-5863
Tenn	P A Chapman & Associates Inc	413 E. D St, Elizabethton, Tenn	2-6611
Tex	G M Wallace & Co	Electric Bldg, El Paso, Tex	KE2-5439
Tex	Roots-Connersville Blowers	1619 Ovid St, Houston 10, Tex	CA8-2331
Utah	G M Wallace & Co	Continental Bank Bldg, Salt Lake City 1	EM4-5611
Canada	Roots-Connersville Blowers	629 Adelaide St, W., Toronto 3, Ont, Can	EM4-9945
Foreign	Roots-Connersville Blowers	122 E. 42nd St, New York 17, NY	OX7-2800

	ROSAN INC	**2901 W. Coast Hwy, Newport Beach, Cal**	**LI8-5533**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	ROSEMOUNT ENGINEERING CO	**4900 W. 78 St, Minneapolis 24, Minn**	**WA7-7711**
Cal	Wasco Electronics	815 Moraga Dr, Los Angeles 49, Cal	GR6-1931
Colo	Western Aircraft Supply Co	2755 S. Zurich Ct, Denver 19, Colo	WE5-8941
Fla	Lynch-Gentry Associates Inc	406 Danley Dr, Ft Meyers, Fla	WE6-2181
Ga	Allen C Craft Jr	P.O. Box 11716, Atlanta 5, Ga	CE3-9944
Mass	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-6893
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
NY	Robert D Ross	784 Columbus Ave, New York 25, NY	PL5-1127
Ohio	Dale W Martin	P.O. Box 554, Dayton 19, Ohio	CL3-6175
Pa	W Henry Cordray Sales Co	18 W. Chelton Ave, Philadelphia 44, Pa	VI8-0447
Pa	Russell F Clark Co	Clark Bldg, Pittsburgh 22, Pa	AT1-6089
Tex	Jo-Joyce Engineering Sales Corp	137 Walnut Hills Village, Dallas 20, Tex	FL7-1411
Wash	Western Aircraft Supply Co	6518-48th Ave, N.E., Seattle, Wash	LA3-5662
Canada	Garret Mfg Corp of Can Ltd	4 Racine Rd, Rexdale, Ontario, Canada	CH4-5635

	ROSENBERG BROS	**102 Landing Ave, Smithtown, NY**	**WA1-2293**
NY	Verter Sales	2352 E. 66th St, Brooklyn 34, NY	
SC	Tonkin & Shiffer	1039 Westside Dr, Greensboro, NC	

	ROSS CO., MILTON	**239 Jacksonville Rd, Hatboro, Pa**	**OS2-0550**
Cal	Robison Co	4026 W. 183rd St, Torrance, Cal	FR9-5531
Tex	Engineering Associates	Ft. Worth, Tex	

	ROSTAN CORP	**5660-59 St, Maspeth 78, NY**	

	ROSTONE CORP	**Rt 52, S., Lafayette, Ind**	**SH2-8471**

	ROTARY DEVICES CORP	**30 Jay St, Englewood, NJ**	**LO9-0433**
Tex	Allied Components Inc	Converse St, Dallas, Tex	

	ROTATING COMPONENTS INC	**269 Green St, Brooklyn 22, NY**	**EV9-3490**
Ariz	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Cal	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Cal	Win W Tomkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Conn	Todino Engineering Sales Inc	1007 Farmington Ave, W. Hartford, Conn	HI4-7925
Del	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
DC	William Drew & Co	1104 Mondawmin, Baltimore 15, Md	LA3-7700
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago, Ill	PE6-3107
Ind	Hoernig Sales Co	Butler Ct, Ft. Wayne, Ind	AN8023
Ky	Hoernig Sales Co	Butler Ct, Ft. Wayne, Ind	AN8023
Me	Todino Engineering Sales Inc	50 Kearny Rd, Needham 94, Mass	HI4-7925
Md	William Drew & Co	1104 Mondawmin, Baltimore 15, Md	LA3-7700
Mass	Todino Engineering Sales Inc	50 Kearney Rd, Needham 94, Mass	HI4-7925
Mich	Frank A Villani	7008 Rosemary, Dearborn 6, Mich	LO3-1256
Nev	Win W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
NH	Todino Engineering Sales Inc	50 Kearney Rd, Needham 94, Mass	HI4-7925
NJ	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
NJ	Kahgan Sales Corp	1261 Broadway, New York, NY	MY4-7772
NM	C B Rush & Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
NY	Leonard D Allen Inc	Box 32, Salina Sta, Syracuse 8, NY	GR1-3108
NY	Kahgan Sales Corp	1261 Broadway, New York, NY	MU4-7772
NC	Howard Haney	3236 Draper Ave, Charlotte 5, NC	FR5-6546
Ohio	Jay Engineering Co	1721 E. 3rd St, Dayton 3, Ohio	CL3-2151
Pa	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
RI	Todino Engineering Sales Inc	1007 Farmington Ave, W. Hartford, Conn	HI4-7925
Vt	Todino Engineering Sales Inc	50 Kearney Rd, Needham 94, Mass	HI4-7925
Va	William Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Canada	1318

	ROTEX PUNCH CO	**2350 Alvarado St, San Leandro, Cal**	**EL7-3600**
Ill	Vincent T Peterson & Associates	332 S. Michigan Ave, Chicago, Ill	WA2-7073
NY	Stanley Sheppard	30 Church St, New York, NY	BE3-5970
Tex	Johnston Equipment Co	11114 Wonderland Trail, Dallas, Tex	FL2-3143

	ROTOR-CLIP CO., INC.	**114 Allen Blvd, Farmingdale, NY**	**MY4-0400**
Ariz	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Cal	A R Hessell Co	1238 S. Atlantic Blvd, Los Angeles 22	AN3-5567
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Conn	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Idaho	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Ill	Cargill Technical Sales	4908 N. Lincoln Ave, Chicago 25, Ill	LO1-1343
Ind	A C Wahl Co., Inc	121 Mill St, Lockland, Cincinnati, Ohio	VA1-3270
Iowa	J Taylor Hersey	2120 Greenwood Dr, S.E., Cedar Rapids, Iowa	
Ky	A C Wahl Co., Inc	121 Mill St, Lockland, Cincinnati, Ohio	VA1-3270
Me	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Mass	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Mich	William F Heise Co	144 Beechmont Ave, Dearborn, Mich	LO3-8847
Mont	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Neb	J Taylor Hersey	2120 Greenwood Dr, S.E., Cedar Rapids, Iowa	
Nev	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Ohio	A C Wahl Co., Inc	121 Mill St, Lockland Cincinnati 15	VA1-3270
Ohio	Dwight E Ransdell Co	550 W. Townview Circle, Mansfield	SK6-4656
Ore	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Tex	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Vt	R F W Smith Co., Inc	34 Long View Rd, W. Hartford, Conn	AD3-2785
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643

	ROTRON MFG CO., INC	**7-9 Schoonmaker Ln, Woodstock, NY**	**OR9-2401**
Cal	Dewco Sales Inc	6919 San Fernando Rd, Glendale 1, Cal	VI9-6101
Cal	Dewco Sales Inc	941 Charleston Rd, Palo Alto, Cal	DA1-2950
Colo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
Del	Rotron Engineering Sales Office	5823 Greene St, Philadelphia 44, Pa	VI4-0990
DC	Rotron Engrg Sales Office	5823 Greene St, Philadelphia 44, Pa	VI4-0990
Idaho	Ray Johnston Co	1011 E. 69th, Seattle 15, Wash	LA4-5170
Ill	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ill	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis 20, Mo	EV2-3500
Ind	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Ind	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio	HU1-2652
Iowa	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Iowa	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Kan	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Ky	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio	HU1-2652
Me	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
Md	Rotron Engrg Sales Office	5823 Greene St, Philadelphia 44, Pa	VI4-0990
Mass	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
Mich	Carrier & Gable Inc	155 W. Congress St, Detroit 26, Mich	WO1-1786
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Mont	Ray Johnston Co	1011 E. 69th, Seattle 15, Wash	LA4-5170
Neb	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
Nev	Dewco Sales Inc	6919 San Fernando Rd, Glendale 1, Cal	VI9-6101
NH	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
NJ	Rotron Engrg Sales Office	5823 Greene St, Philadelphia 44, Pa	VI4-0990
NC	Dickison Sales Co	107 York Rd, Towson, Md	VA5-1300
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Ohio	Components Engineering Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Ohio	Frank J Campisano	3985 Race Rd, Cincinnati 11, Ohio	HU1-2652
Okla	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Ore	Ray Johnston Co	1011 E. 69th, Seattle 15, Wash	LA4-5170
Pa	Components Engineering Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Pa	Rotron Engrg Sales Office	5823 Greene St, Philadelphia 44, Pa	VI4-0990
RI	L L Schley Co	70 Coolidge Hill Rd, Watertown 72, Mass	WA6-0235
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Tenn	Dickison Sales Co	107 York Rd, Towson, Md	VA5-1300
Tex	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Vt	L L Schley Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Va	Dickison Sales Co	107 York Rd, Towson, Md	VA5-1300
Wash	Ray Johnston Co	1011 E. 69th, Seattle 15, Wash	LA4-5170
Wisc	Gassner & Clark Co	6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Wisc	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Wyo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Canada	Hoover Co Ltd., The	Gage & Barton Sts, Hamilton, Ontario	LI5-1151

	ROVE ENGRAVERS	**262 E. 16 St, Paterson 4, NJ**	**MU4-1426**

	ROVE INDUSTRIES	**1702 Wayne St, Toledo 9, Ohio**	**EV2-5666**

	ROYAL ELECTRIC CORP	**95 Grand Ave, Pawtucket, RI**	**PA2-8600**
Ala	Cary Chapman & Co	2516 Eighth Ct, N., Birmingham, Ala	FA3-5236
Alaska	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Ariz	Hyde Electronics Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Cal	Eckert-Lloyd Co	1950 Naomi Ave, Los Angeles, Cal	RI7-9655
Cal	Eckert-Lloyd Co	1225 6th St, San Francisco, Cal	HE1-5792
Colo	Hyde Electronics Co	886 S. Lipan, Denver, Colo	WE6-3457
Conn	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
Del	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
DC	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Fla	Suchman Associates Inc	4010 N.W. 36th Ave, Miami, Fla	NE5-5369
Ga	Cary Chapman & Co	672 Whitehall St, S.W., Atlanta, Ga	JA4-7388
Hawaii	Eckert-Lloyd Co	1225 6th St, San Francisco, Cal	HE1-5792
Idaho	Hyde Electronics Co	886 S. Lipan St, Denver 23, Colo	WE6-3456
Ill	Saba & Co	6962 W. North Ave, Chicago, Ill	WE7-1000
Ind	Saba & Co	6962 W. North Ave, Chicago, Ill	WE7-1000
Iowa	Saba & Co	6962 W. North Ave, Chicago, Ill	WE7-1000
La	Cary Chapman & Co	213 S. Front St, New Orleans, La	TU5184
Me	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
Md	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Mass	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
Mich	Louis H Champaux	91 E. Milwaukee, Detroit, Mich	TR1-0720
Minn	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Miss	Cary Chapman & Co	213 S. Front St, New Orleans, La	TU5184
Mo	A O Woerner & Sons	4030 Chouteau Ave, St. Louis 10, Mo	FR1-2780
Mont	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Nev	Eckert-Lloyd Co	1950 Naomi Ave, Los Angeles 11, Cal	RI7-9655
NH	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
NJ	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, PA	VI4-9100
NJ	Harry Kaufman	200 5th Ave, New York 10, NY	OR5-1123
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Harry Kaufman	200 5th Ave, New York, NY	OR5-1123
NY	R W Mitscher & Co	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NC	Cary Chapman & Co	1009 S. Elm St, Greensboro, NC	BR3-9473
ND	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Okla	NuRo Co	6115 Denton Dr, Dallas 7, Tex	FL1-0406
Ore	Northwestern Agencies, Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Pa	Andco Sales-Engineering Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Pa	Glade Morrison	64 Chittown Rd, Youngstown, Ohio	SW9-0833
RI	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
SC	Cary Chapman & Co	1009 S. Elm St, Greensboro, NC	BR3-9473
SD	H M Richardson & Co., Inc	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Tenn	Cary Chapman & Co	2516 8th Ct, N., Birmingham, Ala	FA3-5236
Tex	NuRo Co	2930 Commerce St, Houston, Tex	CA5-6671
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Richard Gale	P. O. Box 6, Reading, Mass	RE2-1829
Va	Cary Chapman & Co	1009 S. Elm St, Greensboro, NC	BR3-9473
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Wisc	Saba & Co	6962 W. North Ave, Chicago, Ill	WE7-1000
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3456
Foreign	Int'l Standard Electric Co	50 Church St, New York, NY	BO9-3800

	ROYAL MCBEE CORP	**Westchester Ave, Port Chester, NY**	**WE7-3000**

	ROYAL METAL MFG CO	**1 Park Ave, New York 16, NY**	

	ROYAL ZENITH CORP	**180 Varick St, New York 14, NY**	**OR5-0200**

	ROYCO INSTRUMENTS INC	**365 San Antonio Rd, Mountain View, Cal**	**DA5-2277**

	RUBBER & ASBESTOS CORP	**225 Belleville Ave, Bloomfield, NJ**	**PI8-1300**
Ill	Rubber & Asbestos Corp	3553 W. Peterson Ave, Chicago 45, Ill	KE9-2214

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	RUBBERCRAFT CORP OF CAL	**1800 W. 220 St, Torrance, Cal**	**FA8-5402**
	RUBY CHEMICAL CO	**60 McDowell St, Columbus 16, Ohio**	**CA1-3055**
Ala	Robert S Bernhardt Co	McDonough, Ga	
Conn	Henry B Swaab Co	2016 Walnut St, Philadelphia, Pa	
Del	Henry B Swaab Co	2016 Walnut St, Philadelphia, Pa	
Fla	Robert S Bernhardt Co	McDonough, Ga	
Ga	Robert S Bernhardt Co	McDonough, Ga	
Ind	Roy R Baldwin Co	21935 Beech Rd. Southfield. Mich	
Ky	Robert S Bernhardt Co	McDonough, Ga	
Md	Henry B Swaab Co	2016 Walnut St, Philadelphia, Pa	
Mich	Roy R Baldwin Co	21935 Beech Rd, Southfield, Mich	
Miss	Robert S Bernhardt Co	McDonough, Ga	
NJ	Henry B Swaab Co	2016 Walnut St, Philadelphia, Pa	
NC	Robert S Bernhardt Co	McDonough, Ga	
Pa	Henry B Swaab Co	2016 Walnut St, Philadelphia, Pa	
SC	Robert S Bernhardt Co	McDonough, Ga	
Tenn	Robert S Bernhardt Co	McDonough, Ga	
Va	Robert S Bernhardt Co	McDonough, Ga	
W. Va	Robert S Bernhardt Co	McDonough, Ga	
	RUCKER CO., THE	**4700 San Pablo Ave, Oakland 8, Cal**	**OL3-5221**
Cal	Rucker Co	4956 Firestone Blvd, South Gate, Cal	LO4-2521
Ore	Rucker Co	1744 S.E. Hawthorne Blvd, Portland 14	BE4-0341
Wash	Rucker Co	1705 4th Ave, S., Seattle 4, Wash	MA2-2783
	RUGE ASSOC INC., ARTHUR C	**Hudson, NH**	**TU2-5195**
Ala	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Ariz	Gerald B Miller Co	1550 N.Highland Ave, Hollywood 28, Cal	HO2-1195
Cal	Gerald B Miller Co	1550 N. Highland Ave, Hollywood 28	HO2-1195
Colo	Parrish Electronics	1804 St. Paul, Denver 10, Colo	SK6-6884
Del	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
DC	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
Fla	Roy Attaway Co	7703 Meadowglen Dr, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Idaho	Stanley Enterprises	127 River St, Seattle, Wash	PA3-3320
Md	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
Mich	Elliott-Sales Co	23473 Concord Dr, Cleveland 16, Ohio	ED1-8911
Miss	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
NJ	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ	GI5-5210
NJ	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
NM	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
NY	Instrumentation Sales Co	20 Jerome Ave, Glen Rock, NJ	GI5-5210
NC	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Ohio	Elliott Sales Co	23473 Concord Dr, Cleveland 16, Ohio	ED1-8911
Ore	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Pa	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
Pa	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
SC	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Tenn	Roy Attaway Co	1635 Heatherwood Dr, Decatur, Ga	ME4-8983
Utah	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
Va	Polymetric Devices Co	2039 Fortune Rd, Glenside, Pa	TU7-4873
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
W. Va	H E Ransford Co	5400 Clairton Blvd, Pittsburgh 36, Pa	TU4-3425
Wyo	Parrish Electronics	1804 S. St. Paul, Denver 10, Colo	SK6-6884
Foreign	L Brooke Edwards	25 Palmeira Ave, Hove 3, Sussex, England	
	RUNZEL CORD & WIRE CO	**4723 W. Montrose Ave, Chicago 41, Ill**	**MU5-7400**
	RUSH WIRE STRIPPER DIV ERASER CO	**1068 S. Clinton St, Syracuse 4, NY**	
	RUSSELL, BURDSALL & WARD BOLT & NUT CO	**Port Chester, NY**	**WE9-6000**
	RUSSELL GASKET CO	**7424 Bessemer Ave, Cleveland 27, Ohio**	**DI1-5508**
	RUST INDUSTRIAL CO., INC	**130 Silver St, Manchester, NH**	**NA3-3596**
Ala	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Alaska	ARVA Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ariz	E V Roberts & Associates	5068 W. Wash Blvd, Los Angeles 16, Cal	WE8-2541
Ark	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Cal	E V Roberts & Associates	5068 W. Wash Blvd, Los Angeles 16, Cal	WE8-2541
Colo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Schaal Associates	11 Muzzey St, Lexington, Mass	VO2-3578
Del	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
DC	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Fla	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Ga	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Hawaii	ARVA Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Idaho	ARVA Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ill	J E Goode Sales Co	325 W. Huron St, Chicago 10, Ill	MI2-2022
Ind	Beedle Equipment Co	Roselawn Center Bldg, Cincinnati 37, Ohio	JE1-2640
Iowa	J E Goode Sales Co	325 W. Huron St, Chicago 10, Ill	MI2-2022
Kan	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Ky	Beedle Equipment Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-2640
La	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Me	Schaal Associates	11 Muzzy St, Lexington, Mass	VO2-3578
Md	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	1086
Mass	Schaal Associates	11 Muzzy St, Lexington, Mass	VO2-3578
Mo	N S Brown Associates	5852 Boca Raton Dr, Dallas 30, Tex	EM3-3698
Mont	Williams & Associates	2261 S. Albion St, Denver 22, Colo	SK6-9403
Neb	Williams & Associates	2261 S. Albion St, Denver 22, Colo	SK6-9403
Nev	E V Roberts & Associates	5068 W. Wash Blvd, Los Angeles 16, Cal	WE8-2541
NH	Schaal Associates	11 Muzzey St, Lexington, Mass	VO2-3578
NJ	Podeyn & Schmidt Inc	420 Northern Blvd, Great Neck, NY	HU7-1173
NM	E V Roberts & Associates	5068 W. Wash Blvd, Los Angeles 16, Cal	WE8-2541
NY	Charles A Winick Co	925 Riverview Rd, Schenectady 9, NY	ST5-8133
NY	Podeyn & Schmidt Inc	420 Northern Blvd, Great Neck, NY	HU7-1173
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	1086
Ohio	Beedle Equipment Co	Roselawn Center Bldg, Cincinnati, Ohio	JE1-2640
Okla	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Ore	ARVA Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
RI	Schaal Associates	11 Muzzey St, Lexington, Mass	VO2-3578
SC	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Tenn	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Tex	J Y Schoonmaker Co	5328 Redfield, Dallas 35, Tex	LA6-7238
Utah	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Vt	Schaal Associates	11 Muzzey St, Lexington, Mass	VO2-3578
Va	W A Brown & Associates Inc	201 Capron, Indian River City, Fla	1086
Wash	ARVA Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Wisc	J E Goode Sales Co	325 W. Huron St, Chicago 10, Ill	MI2-2022
Wyo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Canada	Elder Electronics	541 Brant St, Burlington, Ontario, Canada	NE4-0511
Foreign	Hartmann & Braun AG	Frankfurt/Main, Grafstr 97, W. Germany	770611
	RUTHERFORD ELECTRONICS CO	**8944 Lindblade St, Culver City, Cal**	**UP0-7393**
Ala	S S Lee Associates Inc	210 Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Ariz	Maxon Electronics Corp	4434 Ingraham St, San Diego, Cal	HU8-2901
Ark	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4445
Cal	Maxon Electronics Corp	489 S. Robertson Blvd, Beverly Hills	BR2-9311
Colo	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Broger Instrument Sales Co., Inc	443 Winthrop Ave, New Haven 15, Conn	
Del	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	S S Lee Associates	P.O. Box 7896, Orlando, Fla	GA3-6566
Ga	S S Lee Associates Inc	210 Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Idaho	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Ill	Essanen Co	607 Howard St, Evanston, Ill	GR5-6815
Ind	Essanen Co	607 Howard St, Evanston, Ill	GR5-6815
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	Heimann Co	6636 Agnes, Kansas City 30, Mo	JA3-2126
Ky	Dayton Associates	118 W. First St, Dayton 2, Ohio	PA3-9621
La	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4445
Me	Broger Instrument Sales Co., Inc	443 Winthrop Ave, New Haven 15, Conn	
Md	S S Lee Associates Inc	P.O. Box 205, Lutherville, Md	VA3-3434
Mass	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Mich	Tower Engineering Co	19364 James Couzens, Detroit 35, Mich	DI1-2332
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Miss	S S Lee Associates Inc	210 Terry-Hutchens Bldg, Huntsville, Ala	JE6-0631
Mo	The Heimann Co	6636 Agnes, Kansas City 30, Mo	JA3-2126
Mont	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Neb	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	
Neb	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Nev	Maxon Electronics Corp	489 S. Robertson, Beverly Hills, Cal	BR2-9311
NH	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NM	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
NY	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NY	NACO Electronic Corp	704 Allen Rd, N. Syracuse, NY	GL8-2358
NC	S S Lee Associates	P.O. Box 906, Winston-Salem, NC	ST8-0431
ND	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Ohio	Dayton Associates	118 W. First St, Dayton 2, Ohio	PA3-9621
Okla	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
Pa	Dayton Associates	118 W. First St, Dayton 2, Ohio	
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
RI	Broger Instrument SALES Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
SC	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
SD	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Tenn	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Tex	Mitchell Spears Co	4944 James Ave, Ft. Worth 15, Tex	WA6-4444
Tex	Remainder Williams & Associates	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
Utah	Williams & Associates Inc	2261 S. Albion St, Denver 22, Colo	SK6-9403
Vt	Broger Instrument Sales Co., Inc	48 Pearl St, Brookline 47, Mass	BE2-4804
Va	S S Lee Associates Inc	P.O. Box 906, Winston-Salem, NC	ST8-0431
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-8650
W. Va	S S Lee Associates Inc	P.O. Box 205, Lutherville, Md	VA3-3434
Wisc	Essanen	607 Howard St, Evanston, Ill	GR5-6815
Wisc	Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-5457
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco 11, Cal	EX2-5457
	RYAN ELECTRONICS DIV RYAN AERONAUTICAL CO	**5650 Kearny Mesa Rd, San Diego 12, Cal**	**BR7-6450**
DC	Ryan Aeronautical Co	1710 H St, N.W., Wash 6, DC	EX3-3700
NJ	Flynn New York Rep	1340 Woodruff Pl, Union, NJ	EL4-9464
Ohio	Ryan Aeronautical Co	Talbott Tower, Dayton 2, Ohio	BA2-4681
	RYE SOUND CORP	**145 Elm St, Mamaroneck, NY**	**OW8-0080**
Ala	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	
Ariz	Barstow & Doran	647 Avenida Feliz, Tuscon, Ariz	
Ark	Macrae-Smith	Box 35113, Dallas 35, Tex	
Ark	Macrae-Smith	Box 13387, Houston 24, Tex	
Cal	Barstow & Doran	1406 S. Grand Ave, Los Angeles 15, Cal	
Cal	Arthur L Bolton Co	1161 Bay Laurel Dr, Menlo Park, Cal	
Colo	James E Gray Co	Box 3026, Denver 18, Colo	
Conn	Sales Associates of N.E.	30 Chester St, Somerville 44, Mass	
Del	Jerry C Merican Sales	1 Christopher St, New York, NY	
DC	Jerry C Merican Sales	1 Christopher St, New York, NY	
Fla	Jack Gaertner Co	823 86th St, Miami Beach, Fla	
Fla	Jack Gaertner Co	3713 Needles Dr, Orlando, Fla	
Ga	J E Joyner & Associates	Box 10821, Atlanta 10, Ga	
Hawaii	Barstow & Doran	1253 S. King St, Honolulu, Hawaii	
Ill	Ray Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	
Ind	Fred Rosenwasser	13769 Cedar Rd, Cleveland 18, Ohio	
Iowa	Carmine Vignola	Box 569, Jefferson City, Mo	
Kan	Carmine Vignola	Box 569, Jefferson City, Mo	
Ky	Fred Rosenwasser	13769 Cedar Rd, Cleveland 18, Ohio	
La	Macrae-Smith	Box 35113, Dallas 35, Tex	
La	Macrae-Smith	Box 13387, Houston 24, Tex	
Me	Sales Associates of N E	30 Chester St, Somerville 44, Mass	
Md	Jerry C Merican Sales	1 Christopher St, New York, NY	
Mass	Sales Associates of N E	30 Chester St, Somerville 44, Mass	
Mich	Howard Moore Sales Co	401 Margaret W., Detroit 3, Mich	
Miss	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Mo	Carmine Vignola	Box 569, Jefferson City, Mo	
Mont	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	
Mont	James E Gray Co	Box 3026, Denver 18, Colo	
Neb	Carmine Vignola	Box 569, Jefferson City, Mo	
Nev	Barstow & Doran	1406 S. Grand Ave, Los Angeles 15, Cal	
Nev	Arthur L Bolton Co	1161 Bay Laurel Dr, Menlo Park, Cal	
NH	Sales Associates of N E	30 Chester St, Somerville 44, Mass	
NJ	Jerry C Merican Sales	1 Christopher St, New York, NY	
NJ	Paul Aaron	Professional, Port Washington, NY	
NJ	Irving Becker	635 E. 14th St, New York, NY	
NM	James E Gray Co	Box 3026, Denver 18, Colo	
NY	Paul Aaron	Professional, Port Washington, NY	
NY	Irving Becker	635 E. 14th St, New York, NY	
NC	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Ohio	Fred Rosenwasser	13769 Cedar Rd, Cleveland 18, Ohio	
Okla	Macrae-Smith	Box 35113, Dallas 35, Tex	
Okla	Macrae-Smith	Box 13387, Houston 24, Tex	
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	
Pa	Jerry C Merican Sales	1 Christopher St, New York, NY	
Pa	Fred Rosenwasser	13769 Cedar Rd, Cleveland 18, Ohio	
RI	Sales Associates of N E	30 Chester St, Somerville 44, Mass	
SC	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Tenn	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Tex	Macrae-Smith	Box 35113, Dallas 35, Tex	
Tex	Macrae-Smith	Box 13387, Houston 24, Tex	
Utah	James E Gray Co	Box 3026, Denver 18, Colo	
Vt	Sales Associates of N E	30 Chester St, Somerville 44, Mass	
Va	J E Joyner Associates	Box 10821, Atlanta 10, Ga	
Va	Jerry C Merican Sales	1 Christopher St, New York, NY	
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	
W. Va	Fred Rosenwasser	13769 Cedar Rd, Cleveland 18, Ohio	
Wisc	Ray Hutmacher Associates	6647 N. Oliphant Ave, Chicago 31, Ill	
Wyo	James E Gray Co	Box 3026, Denver 18, Colo	
Canada	Eric S Gould Sales Co	19 LeRoyer St, W., Montreal, Quebec, Canada	
	RYERSON & SON INC., JOSEPH T	**2558 W. 16th St, Chicago 8, Ill**	**ROZ-2121**
Cal	J T Ryerson & Son Inc	4310 E. Bandini Blvd, Los Angeles 54	AN2-6141
Cal	J T Ryerson & Son Inc	65th & Hollis, Emeryville, Cal	OL3-2933
Colo	J T Ryerson & Son Inc	4150 Fox St, Denver, Colo	GE3-6453
Conn	J T Ryerson & Son Inc	780 N. Colony Rd, Wallingford, Conn	CO9-8744
Ill	J T Ryerson & Son Inc	425 E. State St, Rockford, Ill	WO4-5679
Ill	J T Ryerson & Son Inc	344 1st Natl Bank Bldg, Rock Island	RO6-2527
Ind	J T Ryerson & Son Inc	6701 E. English Ave, Indianapolis	FL9-8282
Ind	J T Ryerson & Son Inc	Wayne & Michigan Aves, South Bend	CE3-2191
Mass	J T Ryerson & Son Inc	60 Everett St, Boston, Mass	ST2-6900
Mich	J T Ryerson & Son Inc	1600 E. Euclid Ave, Detroit 11, Mich	TR4-3311
Minn	J T Ryerson & Son Inc	5th St, & Hennepin Ave, Minneapolis 1	FE3-2563
Mo	J T Ryerson & Son Inc	406 W. 34th St, Kansas City 11, Mo	VA1-1961
Mo	J T Ryerson & Son Inc	5 Clinton St, St. Louis 66, Mo	CE1-1020
NJ	J T Ryerson & Son Inc	203 Westside Ave, Jersey City, NJ	HE4-1123
NY	J T Ryerson & Son Inc	40 Stanley St, Buffalo 5, NY	BA3311
NC	J T Ryerson & Son Inc	Mt. Holly & Chemway Rds, Charlotte 1	EX2-1321
Ohio	J T Ryerson & Son Inc	3475 Spring Grove Ave, Cincinnati 14	KI1-8241
Ohio	J T Ryerson & Son Inc	5300 Lakeside Ave, Cleveland 1	HE2-1411
Pa	J T Ryerson & Son Inc	5200 Grays Ave, Philadelphia 1, Pa	SA4-0700
Pa	J T Ryerson & Son Inc	Arch St & Bell Ave, Pittsburgh 30, Pa	WA1-7540
Tex	J T Ryerson & Son Inc	4606 Singleton Blvd, Dallas 22, Tex	FE1-4311
Tex	J T Ryerson & Son Inc	1211 Kress St, Houston, Tex	WA8-5181
Wash	J T Ryerson & Son Inc	1200 4th Ave, S., Seattle 24, Wash	MA4-2900
Wash	J T Ryerson & Son Inc	207 Freya St, Spokane 10, Wash	KE5-1581
Wisc	J T Ryerson & Son Inc	500 S. 88 St, Milwaukee 1, Wisc	GL3-8000
	RYTRON CO., INC	**7301 Lankershim Blvd, N. Hollywood, Cal**	**TR7-0863**
	S & A ELECTRONICS INC	**1025 Nevada St, Toledo 5, Ohio**	**OX3-7521**
Cal	Possner Co	5788 Washington Blvd, Culver City, Cal	
Cal	Logan & Logan Co	254 12th St, San Francisco, Cal	PL6-0992
Colo	Vines & Co	P.O. Box 1025, Denver, Colo	TA5-4471
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ill	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago, Ill	UP8-3313
Ill	H W Knaggs Co	7503 Melba Ave, Belleville, Ill	CE1-1853
Md	Charles Linau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	Norman R MacInnis	P.O. Box 131, Melrose, Mass	NO5-0879
Minn	Forrest J Carleen	3 N. 15th St, Minneapolis, Minn	
NY	James C Schnitter Co	109 Easton Ave, Buffalo	HU6-6551
Ohio	Wilson Sales Co	15506 Turney Rd, Maple Heights, Ohio	MO2-3280
Ohio	Kubrick & Yurman	475 S. Franklin St, Hempstead, NY	IV3-7230
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Tex	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas, Tex	
Foreign	Hill-Blare Inc	549 W. Wash Blvd, Chicago, Ill	AN3-6420
	S-B POLARIMETERS	**Spencer Hill Rd, RD 2, Corning, NY**	**CO6-3561**
	S-E LABORATORIES LIMITED	**606 N. Feltham Trading Estate, Feltham, Middlesex, England**	**FE5876**
	S G SMALLWOOD LTD	**391 King St, E., Kitchener, Canada**	**SH5-9583**
	S N C MFG CO., INC	**P.O. Box 277, Oshkosh, Wisc**	**BE1-7370**
Del	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-2511
DC	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-2511
Ill	Henry Beekmann	2644 N. Western Ave, Chicago 47, Ill	SR8-4268
Minn	Scott Electronic Sales	6500 Xerxes Ave, Minneapolis 23, Minn	WA6-3919
NJ	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
NY	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
Pa	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
Va	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	OL6-5211
Foreign	Hill-Blare Inc	549 W. Wash Blvd, Chicago, Ill	AN3-6420
	SAFE-T-MIKE CORP	**2904 Chapman St, Oakland 1, Cal**	**KE2-6373**
Ala	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Ark	Houston Industrial Supply Co	1902 Bell St, Houston, Tex	CA8-6663
Ark	John H Cole Co	1825 W. Main, Oklahoma City 2, Okla	
Cal	Electrical Specialty Co	158 11th St, San Francisco, Cal	HE1-8450
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	Robert McKeown Co	99 Dorsa Ave, Livingston, NJ	WY2-0700
Del	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Del	Robert McKeown Co	99 Dorsa Ave, Livingston, NJ	WY2-0700
DC	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Fla	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Ga	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Idaho	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Ill	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Ind	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Iowa	H O Hale	2119 S. 61st St, Omaha, Neb	JA6-002
Kan	Kinrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Kan	H O Hale	2119 S. 61st St, Omaha, Neb	JA6-002
Ky	Kinrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
La	Houston Indl Supply Co	1902 Bell St, Houston, Tex	CA8-6663
Me	John H Cole Co	1825 W. Main, Oklahoma City 2, Okla	
Md	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Mass	John H Cole Co	1825 W. Main, Oklahoma City 2, Okla	
Mich	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Minn	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Miss	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
Miss	Houston Indl Supply Co	1902 Bell St, Houston, Tex	CA8-6663
Mo	Kinrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Mont	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Neb	H O Hale	2119 S. 61st St, Omaha, Neb	JA6-002
Nev	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
NH	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
NJ	Robert McKeown Co., Inc	99 Dorsa Ave, Livingston, NJ	WY2-0700
NM	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
NY	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
NY	Robert McKeown Co	99 Dorsa Ave, Livingston, NJ	WY2-0700
NC	Russell Electric Co., Inc	1315 S. Washington Ave, Mobile, Ala	HE3-7475
ND	H O Hale	2119 S. 61st St, Omaha, Neb	JA6-002
Ohio	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Okla	John H Cole Co	1825 W. Main, Oklahoma City 2, Okla	CE2-3171
Ore	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Pa	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
RI	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
SC	Houston Indl Supply Co	1902 Bell St, Houston, Tex	CA8-6663
SD	H O Hale	2119 S. 61st St, Omaha, Neb	JA6-002
Tenn	Kinrick Co	222 Olympia Dr, St. Louis, Mo	JA1-4877
Tex	Houston Indl Supply Co	1902 Bell St, Houston, Tex	CA8-6663
Utah	J R Christensen Agency	247 E. 5th S., Salt Lake City, Utah	EM3-4419
Vt	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
Va	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
Wash	Electrical Specialty Co	2442 1st S., Seattle 4, Wash	MU2-3434
W. Va	Bartlett Bearing Co	1713 N. St, Philadelphia, Pa	ST7-1170
Wisc	Edward J Heth Inc	605 W. Washington Blvd, Chicago, Ill	FR2-4743
Wyo	Elctrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN9-9511
Canada	Robinson Electric Co Ltd	1179 Homer, Vancouver 3, B C, Canada	MU5-5345
Canada	Electrical Rewinding Co	25 St. Joseph W., Quebec 8, Canada	

TERR	SAFEWAY HEAT ELEMENT INC	680 Middlefield St, Middletown, Conn	D16-6601
Ala	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
Ariz	Forsnas Engineering	1838 Flower St, Glendale, Cal	CH5-5171
Cal	Forsnas Engineering	1838 Flower St, Glendale, Cal	CH5-5171
Colo	Inland Associates	1480 Hoyt St, Lakewood, Colo	BE7-6881
Fla	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
Ga	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
Ill	Revere Engineering	1813-78th Ave, Elmwood Park, Ill	GL6-8793
Ind	Revere Engineering	1813 78th Ave, Elmwood Park, Ill	GL6-8793
Iowa	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Kan	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Mass	J M Lancaster Co	65 Concord St, Framingham, Mass	TR3-8893
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Mo	Inland Associates	25 S. Bemiston Ave, Clayton, Mo	PA1-4435
Neb	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
NJ	Donald J Fisher Co	8 Depot Square, Englewood, NJ	LO9-0090
NY	Donald J Fisher Co	8 Depot Square, Englewood, NJ	LO9-0090
NC	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
SC	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
Tenn	Emmett Rushin Co	786 Mimosa Blvd, Roswell, Ga	6498
Tex	H B Ellefson	Arlington, Tex	CR4-4031
Utah	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366
Wash	Houston Co	N. Annex, Boeing Field, Seattle, Wash	PA5-7990
Wisc	Fred Peterson Co	2431 Hennepin Blvd, Minneapolis, Minn	FR7-3025
Wyo	Inland Associates	6047 Howe Dr, Mission, Kan	EN2-2366

TERR	SAG HARBOR INDUSTRIES INC	Bay Dr, Sag Harbor, NY	
Conn	A D Associates	891 Fulton St, Valley Stream, NY	VA5-8955
NJ	A D Associates	297 Greenbrook Rd, N. Plainfield	PL5-6766
NY	A D Associates	891 Fulton St, Valley Stream, NY	VA5-8955
Pa	A D Associates	297 Greenbrook Rd, N. Plainfield	PL5-6766

TERR	SAGE-CRAFT INC	Norwich, NY	4-6118

TERR	SAGE ELECTRONICS CORP	Country Club Rd, E. Rochester, NY	LU6-8010
Ala	Al Martin	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ariz	M A Stolaroff Co., Inc	4622 W. Slauson Ave, L A 43, Cal	AX3-6226
Cal	M A Stolaroff Co., Inc	4622 W. Slauson Ave, Los Angeles 43	AX3-6226
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
Colo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Conn	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights, Mass	HI4-7925
Conn	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
Del	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Fla	Al Martin	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	Al Martin	711 Magnolia Ave, Orlando, Fla	GA4-6298
Idaho	Dale Showalter	Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	John G Twist Co., Inc	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Ill	E B Schwerin Co	4210 Main St, Kansas City 11, Mo	WE1-7564
Ill	Jerry Vrbik Co	419 Third St, S.E., Cedar Rapids, Iowa	EM5-0461
Ind	R G Frederick Co	1601 Hanna St, S., Ft. Wayne, Ind	HA0641
Iowa	Jerry Vrbik Co	419 Third St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	E B Schwerin Co	4210 Main St, Kansas City 11, Mo	WE1-7564
Me	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights, Mass	HI4-7925
Me	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
Md	William M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-5721
Mass	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights, Mass	HI4-7925
Mass	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Jerry Vbrik Co	419 Third St, S.E., Cedar Rapids, Iowa	EM5-0461
Mo	E B Schwerin Co	4210 Main St, Kansas City 11, Mo	WE1-7564
Neb	E B Schwerin Co	4210 Main St, Kansas City 11, Mo	WE1-7564
Nev	M A Stolaroff Co., Inc	4622 W. Slauson Ave, Los Angeles 43, Cal	AX3-6226
Nev	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
NH	Todino Engineering Sales Inc	50 Kearney Rd, Needham Heights, Mass	HI4-7925
NH	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
NJ	William M Jones Co., Inc	1107 Echo Ct. N., Towson 4, Md	VA3-5721
NJ	Owen P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NM	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver 22, Colo	SK6-0627
NY	Owen P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	Reed-Tollefson Corp	2305 Country Club Rd, Endicott, NY	PI8-7391
NY	Don R Leonard	Alexander, NY	FI3-5898
NC	Walter Callaway	1437 Kenilworth Cr, S.W., Atlanta, Ga	PL5-5318
Ohio	Walter J Brauer & Associates	15631 Lakewood Hghts Blvd, Cleveland 7	LA1-7268
Okla	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	CR4-4530
Ore	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	William M Jones Co., Inc	1107 Echo Ct. N., Towson 4, Md	VA3-5721
Pa	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
RI	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hghts, Mass	HI4-7925
RI	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
SC	Walter Callaway	1437 Kenilworth Cr, S.W., Atlanta, Ga	PL5-5318
Tenn	Walter Callaway	1437 Kenilworth Cr, S.W., Atlanta, Ga	PL5-5318
Tex	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	CR4-4530
Utah	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Vt	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hghts, Mass	HI4-7925
Vt	John L Jopson	P.O. Box 291, W. Hartford, Conn	AD2-9532
Va	William M Jones Co., Inc	1107 Echo Court, N., Towson 4, Md	VA3-5721
Wash	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Wisc	John G Twist Co., Inc	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Wyo	Spicer-Lindsay Associates	4960 E. Evans Ave, Denver 22, Colo	SK6-0627
Canada	Electromechanical Products	Markham Rd, Agincourt, Ontario, Can	AX3-7011

TERR	SAGE LABORATORIES INC	3 Huron Dr, Natick, Mass	OL3-0844
Ala	Roy Attaway Co	912 Bob Wallace Ave, Huntsville, Ala	JE2-2811
Ariz	Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Ark	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Cal	Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Del	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	Roy Attaway Co	711 Magnolia Ave, Orlando, Fla	GA4-9983
Ga	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ill	W F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ind	W F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Iowa	W F Marsh & Associates Inc	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
La	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mich	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Miss	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Nev	Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
NJ	F & F Associates	15 Dorchester Rd, Emerson, NJ	MU7-6477
NY	F & F Associates	297 Cherry Pl, E. Meadow, NY	MU7-6477
NY	E W Stone Co	308 Merritt Ave, Syracuse 7, NY	HO9-3825
NC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Ohio	Midwest Sales Co	3219 West 117th St, Cleveland, Ohio	WI1-2700
Okla	Texas Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Ore	Thorson Co	1767 15th Ave, S., Seattle 44, Wash	EA5-5000
Pa	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Pa	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa	LI6-8043
SC	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Tenn	Roy Attaway Co	528 N. McDonough St, Decatur, Ga	DR7-8943
Tex	Avionics Co	5738 N. Central Expwy, Dallas 6, Tex	TA6-2354
Utah	Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wash	The Thorson Co	1767 15th Ave, S., Seattle 44, Wash	EA5-5000
W. Va	Midwest Sales Co	3219 W. 117th St, Cleveland, Ohio	WI1-2700
Wisc	W F Marsh Associates	308 N. Scoville Ave, Oak Park, Ill	EU6-2967
Foreign	Ingeniorsfirman Magnetic AB	Stora Nygatan 39, Stockholm c, Sweden	

TERR	ST JOHN X-RAY LABORATORY	Califon, NJ	

TERR	ST. MARYS CARBON CO	State Rd, St. Marys, Pa	TE4-2844
Ariz	Bearing Engineers Inc	3511 S. Figueroa St, Los Angeles 7, Cal	RI92-193
Cal	Bearing Engineers Inc	3511 S. Figueroa St, Los Angeles 7, Cal	RI92-193
Conn	Masten-Wright Corp	Box 1896, New Haven 5, Conn	AT8-1638
Ill	W J Distler	1629 Plainfield Rd, LaGrange, Ill	CH65-227
Ind	W J Distler	1629 Plainfield Rd, LaGrange, Ill	CH65-227
Iowa	Palmer Still	9415 Old Bonhomme Rd, St. Louis, Mo	WY3-2077
Kan	Palmer Still	9415 Old Bonhomme Rd, St. Louis, Mo	WY3-2077
Mass	Masten-Wright Corp	Box 1896, New Haven 5, Conn	AT8-1638
Mich	W J Distler	1629 Plainfield Rd, LaGrange, Ill	CH65-227
Mo	Palmer Still	9415 Old Bonhomme Rd, St. Louis, Mo	WY3-2077
Neb	Palmer Still	9415 Old Bonhomme Rd, St. Louis, Mo	WY3-2077
Nev	Bearing Engineers Inc	3511 S. Figueroa St, Los Angeles 7, Cal	RI92-193
NJ	Edward Reed	136 Sycamore St, E. Aurora, NY	CY5500
NM	Bearing Engineers Inc	3511 S. Figueroa St, Los Angeles 7, Cal	RI92-193
NY	Edward Reed	136 Sycamore St, E. Aurora, NY	CY5500
Ohio	W A Cameron	6706 Bantry Ave, Cincinnati, Ohio	EL12-772
Pa	C A Bennett Jr	2030 Country Club Dr, McKeesport, Pa	OR25-088
Wisc	W J Distler	1629 Plainfield Rd, LaGrange, Ill	CH65-227

TERR	SANBORN CO	175 Wyman St, Waltham 54, Mass	TW4-6300
Ala	Bivins & Caldwell Inc	Huntsville, Ala	JE2-5733
Alaska	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix, Ariz	CR4-5431
Ariz	Neely Enterprises	232 S. Tuscon Blvd, Tucson, Ariz	MA3-2564
Ark	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Cal	Neely Enterprisee	3939 Lankershim Blvd, N. Hollywood	TR7-0721
Cal	Neely Enterprises	501 Laurel St, San Carlos, Cal	LY1-2626
Cal	Neely Enterprises	1317 15th St, Sacramento, Cal	GI2-8901
Cal	Neely Enterprises	1055 Shafter St, San Diego 6, Cal	AC3-8106
Colo	Williams & Associates	2261 S. Albion St, Denver, Colo	SK6-9403
Conn	Yewell Associates Inc	1101 E. Main St, Bridgeport, Conn	FO6-3456
Del	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
DC	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Stiles Associates Inc	1226 E. Colonial Dr, Orlando, Fla	GA2-4524
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Idaho	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ind	Crossley Associates Inc	5420 N. College Ave, Indpls, Ind	CL1-9255
Iowa	Crossley Associates Inc	2711 W. Howard St, Chicago 48, Ill	SH3-8500
Kan	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Ky	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	HI2-6873
La	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Me	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Md	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
Md	Horman Associates Inc	3006 W. Cold Spring Ln, Baltimore 15	MO4-8345
Mass	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul 14, Minn	MI6-7881
Miss	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Mont	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Neb	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Nev	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal	TR7-0721
NH	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
NJ	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	GI4-1400
NM	Neely Enterprises	6501 Lomas Blvd, N.E., Albuquerque, NM	AL5-5580
NM	Neely Enterprises	114 S. Water St, Las Cruces, NM	JA6-2486
NY	Edward A Ossmann & Associates Inc	830 Linden Ave, Rochester 10, NY	LU6-4940
NY	Edward A Ossmann & Associates Inc	149 Front St, Vestal, NY	ST5-0296
NY	Edward A Ossmann & Associates Inc	2363 James St, Syracuse, NY	HE7-8446
NY	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	RE2-0091
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	HI2-6873
ND	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ohio	S Sterling Co	363 W. First St, Dayton, Ohio	BA8-8794
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Okla	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Ore	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Pa	I E Robinson Co	7404 W. Chester Pike, Upper Darby, Pa	FL2-7017
Pa	I E Robinson Co	2120 Market St, Camp Hill, Pa	RE7-6791
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh, Pa	TU4-5515
RI	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
SC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	HI2-6873
SD	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Tenn	Bivins & Caldwell	1923 N. Main St, High Point, NC	HI2-6873
Tex	Earl Lipscomb Associates	3605 Inwood Rd, Dallas 9, Tex	FL7-1881
Utah	Williams & Associates	320 E. 4th, S., Salt Lake City, Utah	EM4-6844
Vt	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	
Va	Bivins & Caldwell	1219 High Point Ave, Richmond 30, Va	EL5-7931
Wash	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
W. Va	S Sterling Co	4024 Clairton Blvd, Pittsburg, Pa	TU4-5515
Wisc	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Wyo	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
Canada	G-7 Marine Bldg	355 Burrard St, Vancouver 1, BC	MU2-4323
Canada	R-O-R Associates	1470 Don Mills Rd, Don Mills, Ontario, Can	HI4-4429
Foreign	Frathom Co., Inc	33 W. 42nd St, New York 36, NY	BR9-9422

TERR	SANDERS ASSOCIATES INC	95 Canal St, Nashua, NH	
Ariz	Jackson Edwards Co	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Cal	F W Moulthrop Co	575 Tenth St, San Francisco 3, Cal	MA1-0722
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N Hollywood, Cal	TR7-9603
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Idaho	Burt Porter Inc	P.O. Box 7854, Portland 12, Ore	AT4-1718
Ill	Russ Diethert Co., Inc	2030 W. Montrose, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co., Inc	2030 W. Montrose, Chicago 18, Ill	LO1-7627
Iowa	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Kan	Automatic Gen Electronic Sales Inc	8890 Lackland Rd, Overland 14, Mo	HA8-3934
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35	BR3-7900
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16	WE9-6727
Mo	Automatic Gen Electronic Sales Inc	8890 Lackland Rd, Overland 14, Mo	HA8-3934
Mont	Burt Porter Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Automatic Gen Electronic Sales Inc	6550-B Troost Ave, Kansas City 31, Mo	DE3-8206
Nev	F W Moulthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ	RE1-1800
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	Arthur H Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	FA1-5644
Ohio	Arthur H Baier Co	384 W. First St, Dayton 2, Ohio	BA8-5493
Okla	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Burt Porter Inc	P.O. Box 7854, Portland 12, Ore	AT4-1718
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
Pa	Gene S Root Co	733 Vallevista Ave, Pittsburgh 34, Pa	LO1-4125
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Wash	Burt Porter Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Gene S Root Co	733 Vallevista Ave, Pittsburgh 34, Pa	LO1-4125
Wisc	Russ Diethert Co., Inc	1324 W. Wisconsin Ave, Milwaukee, Wisc	DI2-7484
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750

TERR	SAN DIEGO SCIENTIFIC CORP	3434 Midway Dr, San Diego 10, Cal	AC3-7156

TERR	SAN FERNANDO ELEC MFG CO	1509 First St, San Fernando, Cal	EM1-8681

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Kesco	P.O. Box 23, Redwood City, Cal	EM9-2876
Colo	Slaybaugh Thompson Co	100 W. 13th Ave, Denver 4, Colo	AC2-5826
Fla	James T Faith	8318 Calais Circle, Orlando, Fla	CR7-0173
Ill	KaDell Sales Associates Inc	5875 N. Lincoln Ave, Chicago 45, Ill	LO1-3042
Ind	Richard C Warner & Associates	P.O. Box 338, South Whitley, Ind	350
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Mass	Addelco Corp	1826 Centre St, West Roxbury 32, Mass	FA3-7940
Minn	Stan Clothier Co., Inc	12 W. 98th St, Minneapolis, Minn	TA5-1234
Mo	H A Roes & Co	2601 Cherry, Kansas City 8, Mo	BA1-0866
Mo	R F Carlson Co	120 N. Gay Ave, St. Louis 5, Mo	PA5-4122
NJ	A L Livera & Associates Inc	2 Green Village Rd, Madison, NJ	FR7-3220
NJ	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ	NO3-4545
NY	A L Livera & Associates Inc	15-51 Franklin Ave, Mineola, NY	PI1-7044
NY	Fowler Beach Corp	3700 East Ave, Rochester, NY	LU6-0468
Ohio	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas, Tex	DA1-6579
Wash	Emerson & Reiber	P.O. Box 1621, Seattle 55, Wash	EM2-0745
Canada	E S Gould Sales Co	19 Le Royer, W. Montreal 1, Quebec	AV8-5716

	SANFORD MILLER CO	**11 Lynch St, Brooklyn 11, NY**	**UL8-2817**
	SANFORD PLASTICS CORP	**New Brunswick/Charles St, Metuchen, NJ**	**LO6-3900**
	SANGAMO ELECTRIC CO	**1201 N. 11 St, Springfield, Ill**	**KI4-6411**
Ariz	Sangamo Electric Co	525 S. Grennel Dr, Tucson, Ariz	AX8-4801
Cal	L A Nott Co	1061 Howard St, San Francisco 3, Cal	HE1-4738
Colo	Electronic Components Sales	2145 S. Claremont, Denver 22, Colo	PE3-7172
Conn	Hathaway Electronics Inc	Box 797, Canaan, Conn	TA4-7215
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE7-2273
Ill	Sangamo Electric Co	6047 W. Belmont, Chicago 34, Ill	ME7-2656
Ind	Southern Sales Co	105 Lakeshore Dr, Angola, Ind	777
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Mass	Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Sangamo Electric Co	4950 Excelsior Blvd, Minneapolis 16	WA6-9800
Mo	E W McGrade Co	1110 S. Brentwood, St. Louis 17, Mo	PA5-6550
Mo	E W McGrade Co	Box 8876, Prairie Village Sta, K.C.	RA2-0758
NY	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Ohio	Sangamo Electric Co	55 Public Square, Cleveland 13, Ohio	PR1-3161
Ohio	Sangamo Electric Co	Reading & Section Sts, Cincinnati 37	JE1-0346
Okla	Sangamo Electric Co	2600 S.W. 52nd St, Oklahoma City 19	MU5-1458
Ore	Richard Lezg Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-9720
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR6-4442
Tex	Sangamo Electric Co	1301 Fidelity Union Life Bldg, Dallas 1	RI7-1490
Tex	Sangamo Electric Co	4007 Bellaire Blvd, Houston 25, Tex	MA3-9533
Utah	Sangamo Electric Co	2918 Fisher Circle, Salt Lake City, Utah	IN7-6093
Wash	Richard Lezg Co	1565 6th Ave, S., Seattle 4, Wash	MU2-7764
Canada	D Elton McLennan	1624 W. Third Ave, Vancouver 9, BC, Can	RE6-9251
Canada	A R Gardner Sales Co	Box 885, Highland Creek, Ontario, Can	OX8-2451
	SAN JOSE AVIONICS CO	**San Jose Municipal Airport, San Jose, Cal**	**CY2-1392**
Cal	San Vose Avionics Co	Sacramento Airport, Sacramento, Cal	GA1-1995
Cal	San Vose Avionics Co	Chandler Field, Fresno, Cal	AM6-8322
	SANTA BARBARA INSTRUMENTATION CORP	**Bldg 116, SB Airport, Goleta, Cal**	**WO7-5800**
Cal	William R Esser & Associates	23333 Shadycroft Ave, Torrance, Cal	EX3-6147
	SARGENT ELECTRIC CORP	**630 Merrick Rd, Lynbrook, NY**	**LY3-5600**
Alaska	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wah	MA3-8882
Ariz	Hyde Electronics Co., Inc	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Ark	Gordon V Peck	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Cal	E V Roberts & Associates	5068 W. Washington Blvd, L A 16, Cal	WE8-2541
Cal	E V Roberts & Associates	4379 30 St, San Diego 4, Cal	AT1-6787
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Colo	Hyde Electronics Co., Inc	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Del	S K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
DC	S K MacDonald Inc	3308 14th N.W., Washington 10, DC	CO5-3938
Idaho	Hyde Electronics Co., Inc	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Ill	The Sittler Co	16 N. Ada St, Chicago 7, Ill	SE3-4616
Ill	W E Fry & Co., Inc	6616 W. Florissant Ave, St. Louis 20, Mo	JE5-1434
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	BR1993
Iowa	W E Fry & Co., Inc	406 W. 34 St, Kansas City 11, Mo	JE1-5236
Kan	W E Fry & Co., Inc	406 W. 34 St, Kansas City 11, Mo	JE1-5236
Ky	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	BR1993
La	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Me	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Md	S K MacDonald Inc	2016 Winford Rd, Baltimore 14, Md	ID5-1760
Mass	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Mich	Richard C Warner & Associates	P.O. Box 338, South Whitley, Ind	260
Mo	W E Fry & Co., Inc	406 W. 34 St, Kansas City 11, Mo	JE1-5236
Mont	Hyde Electronics Co., Inc	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Neb	W E Fry & Co., Inc	406 W. 34 St, Kansas City 11, Mo	JE1-5236
Nev	E V Roberts & Associates Inc	5068 W. Washington Blvd, L A 16, Cal	WE8-2541
NH	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NM	Hyde Electronics Co., Inc	5206 Constitution Ave, Albuquerque, NM	AM6-111
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Mills Talbot & Co	One Flint St, Rochester 8, NY	ID6-0990
Ohio	Hiltebrant-Greenleaf Co	8905 Lake Ave, Cleveland 2, Ohio	OL1-6900
Okla	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 10, Tex	DA1-6579
Ore	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Pa	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Pa	Samuel K MacDonald Inc	335 Fifth Ave, Pittsburgh 22, Pa	AT1-2253
RI	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Utah	Hyde Electronics Co., Inc	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Va	S K MacDonald Inc	3308 14 St, N.W., Washington 19, DC	CO5-3938
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
W. Va	S K MacDonald Inc	335 Fifth Ave, Pittsburgh 22, Pa	AT1-2253
Wisc	The Sittler Co	18 N. Ada St, Chicago 6, Ill	SE3-4616
Wyo	Hyde Electronics Co., Inc	2803 Connor St, Salt Lake City, Utah	IN7-5763
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Canada	
Foreign	Morhan Exporting Co	458 Broadway, New York, NY	WA5-1257
	SARGENT-RAYMENT CO	**4926-28 E. Twelfth St, Oakland 1, Cal**	**KE6-5277**
Ala	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
Ariz	Jon Norbert	P.O. Box 1324, Tucson, Ariz	
Cal	Heaton-Marco Associates	413 Lathrop Ave, Redwood City, Cal	EM9-5278
Cal	Pacific Audio Sales Inc	1933 S. Broadway, Los Angeles 7, Cal	RI7-7314
Del	Harold A Moyer Co	P.O. Box 14, Haddonfield, NJ	HA9-7792
DC	Harold A Moyer Co	P.O. Box 14, Haddonfield, NJ	HA9-7792
Fla	Gus Jose Associates	P.O. Box 208, N. Miami Beach, Fla	NO6-1347
Ga	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
Ill	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Ind	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Iowa	Arthur K Elliott	211 Westport Rd, Kansas City 11, Mo	LO1-9597
Kan	Arthur K Elliott	211 Westport Rd, Kansas City 11, Mo	LO1-9597
Ky	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Md	Harold A Moyer Co	P.O. Box 14, Haddonfield, NJ	HA9-7792
Minn	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Miss	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
Mo	Arthur K Elliott	211 Westport Rd, Kansas City, Mo	LO1-9597
Neb	Arthur K Elliott	211 Westport Rd, Kansas City, Mo	LO1-9597
NJ	Harold A Moyer Co	P.O. Box 14, Haddonfield, NJ	HA9-7792
NM	Jon Norbert	P.O. Box 1324, Tucson, Ariz	
NY	Gilbert E Miller Associates	47 Birchwood Park Dr, Jericho, NY	OV1-6335
NC	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
ND	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Ore	Paramount Technical Agencies	9210 28th N.W., Seattle, Wash	
Pa	Harold A Moyer Co	P.O. Box 14, Haddonfield, NJ	HA9-7792
Pa	John O Olsen Co	1843 Maydell St, Pittsburgh 16, Pa	
SC	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
Tenn	William M Gray	1737 Beacon Hill Blvd, N.E., Atlanta, Ga	ME4-3227
Wash	Paramount Technical Agencies	9210 28th N.W., Seattle, Wash	
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wisc	Gene T Clears Co	435 Indianwood Blvd, Park Forest, Ill	PI8-2359
Canada	R C Kahnert Sales Ltd	73 Crockford Blvd, Scarborough, Ontario	PL7-5171
Foreign	Singer Products Co., Inc	15 Moore St, New York 4, NY	WH4-8700
	SARKES TARZIAN INC AIR TRIMMER DIV	**E. Hillside Dr, Bloomington, Ind**	
	SARKES TARZIAN BROADCAST EQUIPMENT DIV	**E. Hillside Dr, Bloomington, Ind**	**ED2-7251**
	SARKES TARZIAN INC MAGNETIC TAPE DIV	**E. Hillside Dr, Bloomington, Ind**	
	SARKES TARZIAN INC., RECTIFIER DIV	**415 N. College Ave, Bloomington, Ind**	**ED2-1435**
Ala	Harold Lichtenstein	6828 Lindberg Dr, N.E., Atlanta, Ga	CE3-4743
Alaska	M K Widdekind	222 First Ave, N., Seattle 9, Wash	AT4-4869
Ariz	W Bert Knight	10377 W. Pico Blvd, Los Angeles 64, Cal	BR2-0101
Ark	John Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Cal	W Bert Knight	10377 W. Pico Blvd, Los Angeles 64, Cal	BR2-0101
Cal	Mauthrop & Hunter	165 Eleventh St, San Francisco 3, Cal	UN3-7880
Colo	Perper & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Del	J & H Electronic Sales	P.O. Box 6844, Towson, Md	VA5-4441
DC	J & H Electronic Sales	P.O. Box 6844, Towson, Md	VA5-4441
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ill	KaDell Sales	5875 N. Lincoln Ave, Chicago 45, Ill	LO1-3042
Ind	Leslie M DeVoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
Iowa	George E Harris & Co., Inc	3241 E. Douglas St, Wichita 8, Kan	MU2-2731
Kan	George E Harris & Co., Inc	3241 E. Douglas St, Wichita 8, Kan	MU2-2731
Ky	Leslie M DeVoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
La	John Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	J & H Electronic Sales	P.O. Box 6844, Towson, Md	VA5-4441
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Scott Electronic Sales	6500 Xerxes Ave, S., Minnpls 23, Minn	WA6-3919
Miss	Paul Hayden Associates	6828 Lindberg Dr, N.E., Atlanta, Ga	CE3-4743
Mo	George E Harris & Co., Inc	3241 E. Douglas St, Wichita 8, Kan	MU2-2731
Mont	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	George E Harris & Co., Inc	3241 E. Douglas St, Wichita 8, Kan	MU2-2731
Nev	Mauthrop & Hunter	165 Eleventh St, San Francisco 3, Cal	UN3-7880
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	25211
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	25211
NC	Paul Hayden Associates	423 W. Fifth, Burlington, NC	CA7-3479
ND	Scott Electronic Sales	6500 Xerxes Ave, S., Minnpls 23, Minn	WA6-3919
Ohio	F A Daugherty & Co	6025 Mayfield Rd, Cleveland 14, Ohio	HI2-3311
Okla	John Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Ore	M K Widdekind	222 First Ave, N., Seattle 9, Wash	AT4-4869
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh 16, Pa	CA1-4676
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
SD	Scott Electronic Sales	6500 Xerxes Ave, S., Minnpls 23, Minn	WA6-3919
Tenn	Paul Hayden Associates	423 W. Fifth, Burlington, NC	CA7-3479
Tex	John Guenther	4533 N. Central Expwy, Dallas, Tex	LA8-6286
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	Paul Hayden Associates	423 W. Fifth, Burlington, NC	CA7-3479
Wash	M K Widdekind	222 First Ave, N., Seattle 9, Wash	AT4-4869
W. Va	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh 16, Pa	CA1-4676
Wisc	Dayton L Warner	815 MacArthur St, Chicago Heights, Ill	SK4-0028
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
	SARKES TARZIAN INC TUNER DIV	**E. Hillside Dr, Bloomington, Ind**	
	SATURN ELECTRONICS CORP	**10665 Harry Hines Blvd, Box 12305, Dallas 20, Tex**	**FL1-3103**
	SAUEREISEN CEMENTS CO	**Sauereisen Bldg, Pittsburgh 15, Pa**	**ST1-2323**
Cal	Montgomery Bros Inc	1122 Howard St, San Francisco, Cal	UN1-3527
Cal	Montgomery Bros Inc	1053 S. Olive St, Los Angeles, Cal	RI7-9401
Conn	Walter H Dittman	101 Barker St, Hartford, Conn	CH6-0208
Ill	Donald P Falconer	1018 Maple Ave, Evanston, Ill	UN4-4719
Mich	E V M Becker Sales	12243 Twelfth St, Detroit, Mich	TO8-8538
Mo	Cesco Equipment Co	44 S. Central, St. Louis, Mo	PA7-0959
NY	E B Packard Co Inc	139 Cedar St, New York, NY	CO7-6122
NY	S J Shanahan Co	199 Capen Blvd, Buffalo, NY	UN8889
Ohio	J P Ashburn	6914 Miami Rd, Cincinnati, Ohio	BR1-9040
Ohio	Wm T Neundorfer Co	2195 S. Green Rd, Cleveland, Ohio	EV2-0140
Ore	Montgomery Bros Inc	1632 N.W. Johnson, Portland, Ore	CA3-4197
Pa	Pringle Co	7116 McCallum St, Philadelphia, Pa	CH7-6843
Tex	R M Bevis Co	5814 Southington Ave, Houston, Tex	JA9-3775
W. Va	Harvey M Rooker	318 Central Union Bldg, Wheeling, W. Va	CE2-5698
Wisc	Dimensional Insulation Co	1043 W. Clybourn St, Milwaukee, Wisc	BR6-0882
Canada	A A Andersen & Co Ltd	20 Algie Ave, Toronto, Ontario, Canada	CI9-3319
Foreign	Transisola Inc	69-70 113th St, Forest Hills, NY	BO3-6950
	SAXTON PRODUCTS INC	**4320 Park Ave, Bronx 57, NY**	**WE3-6400**
	SCALA RADIO CO	**2814 19th St, San Francisco 10, Cal**	
	SCANTLIN ELECTRONICS INC	**2215 Colby Ave, Los Angeles 64, Cal**	
	SCHAEVITZ ENGINEERING	**P.O. Box 565, Camden 1, NJ**	**NO2-8000**
Ala	Specialized Equipment Co	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Ariz	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Ark	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM3-1671
Cal	Electronic Engineering Associates Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Colo	Western Engineering Co	306 Enterprise Bldg, Denver 2, Colo	AM6-2714
Conn	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
Fla	Specialized Equipment Corp	P.O. Box 323, Cocoa Beach, Fla	CO3328
Ga	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Idaho	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Ky	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
La	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM3-1671
Me	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
Mass	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Arrow Technical Sales	Box 2736, Rt 2, Osseo, Minn	LI5-6595
Miss	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Mont	Testco	Boeing Field, Seattle 8, Wash	PA3-9000
Nev	Electronic Engineering Associates Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
NH	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
NJ	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
NM	Western Engineering Co	306 Enterprise Bldg, Denver 2, Colo	AM6-2714
NY	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
NC	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
ND	Arrow Technical Sales	Box 2736, Rt 2, Osseo, Minn	LI5-6595
Ohio	Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Okla	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM3-1671
Ore	Testo	Boeing Field, Seattle 8, Wash	PA3-9000
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Components Sales Corp	44 Brattle St, Cambridge 38, Mass	UN4-1727
SC	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
SD	Arrow Technical Sales	Box 2736, Rt 2, Osseo, Minn	SP4-1500
Tenn	Specialized Equipment Corp	254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Tex	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM3-1671
Utah	Western Engineering Co	306 Enterprise Bldg, Denver 2, Colo	AM6-2714
Vt	Component Sales Corp	218 E. Hartsdale Ave, Hartsdale, NY	UN4-1727
Wash	Testo	Boeing Field, Seattle 8, Wash	PA3-9000
W. Va	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Wisc	Lightner Associates	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Wyo	Western Engineering Co	306 Enterprise Bldg, Denver 2, Colo	AM6-2714
	SCHAUER MFG CORP	**4521 Alpine Ave, Cincinnati 42, Ohio**	**SY1-3030**
Ala	Floyd Fausett	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Ariz	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	
Ark	J Earl Smith	6211 Denton Dr, Dallas, Tex	RI1-1896
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Cal	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	
Colo	W H Connors Co	375 Birch St, Denver, Colo	
Del	C H Stratton Co	514 E. Wadsworth St, Philadelphia 19, Pa	CH7-7869
DC	C H Stratton Co	514 E. Wadsworth St, Philadelphia 19, Pa	CH7-7869
Fla	Floyd Fausett	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Ga	Floyd Fausett	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Hawaii	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Iowa	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Kan	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ky	C H Dolfuss	Film Exchange Bldg, Cleveland, Ohio	PR1-0719
La	J Earl Smith	6211 Denton Dr, Dallas, Tex	RI1-1896
Md	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
Mass	Blair H Parker	610 Atlantic Ave, Boston, Mass	
Mich	Jack Rathsburg	4140 Van Dyke Ave, Detroit 14, Mich	WA1-3932
Miss	Floyd Fausett	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Mo	Ellinger Sales Co	6540 Northwest Hwy, Chicago, Ill	RO3-1570
Nev	Sinai Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
NJ	D F Tobias & Co	30 Church St, New York, NY	
NJ	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
NY	D F Tobias & Co	30 Church St, New York, NY	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NC	Floyd Fausett	777 Pinehurst Terr, S.W., Atlanta, Ga	PL5-5781
Ohio	C H Dolfuss	Film Exchange Bldg, Cleveland, Ohio	PR1-0719
Pa	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
RI	Blair Parker	610 Atlantic Ave, Boston, Mass	
SC	Floyd Fausett	777 Pinehurst Terr, Atlanta, Ga	PL5-5781
Tenn	Floyd Fausett	777 Pinehurst Terr, Atlanta, Ga	PL5-5781
Tex	J Earl Smith	6211 Denton Dr, Dallas, Tex	RI1-1896
Vt	Blair Parker	610 Atlantic Ave, Boston, Mass	
Va	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
Wisc	Ellinger Sales Corp	6540 Northwest hwy, Chicago, Ill	RO3-1570
Canada	Pitt Distributing Co	80 George St, Toronto 2, Ontario, Canada	
Foreign	Roburn Agencies Inc	431 Greenwich St, New York 13, NY	WO6-2130
	SCHNECTADY VARNISH CO., INC	**Congress & 10th, Schenectady 3, NY**	**DI6-2354**
Ala	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Ariz	Electrical Specialty Co	210 Adams St, Phoenix, Ariz	AL2-2107
Ark	John H Cole Co	1825 W. Main St, Oklahoma City 2, Okla	CE2-3171
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles 23, Cal	AN9-9511
Cal	Electrical Specialty Co	158-168 - 11th St, San Francisco 3, Cal	HE1-8450
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Conn	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
Del	O C Colburn	408 Wynmere Rd, Wynnewood, Pa	MI2-9973
DC	O C Colburn	408 Wynmere Rd, Wynnewood, Pa	MI2-9973
Fla	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Ga	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Idaho	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Ill	A O Doherr	625 N. Washington St, Park Ridge, Ill	TA3-6545
Ill	P H Groggins Jr	111 Mulberry Ln, Glen Ellyn, Ill	GL1096
Ind	T J Holmes	318 Ravenwood Ave, Dayton 19, Ohio	AX3-7613
Iowa	P H Groggins Jr	111 Mulberry Ln, Glen Ellyn, Ill	GL1096
Ky	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
La	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Me	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
Md	O C Colburn	408 Wynmere Rd, Wynnewood, Pa	MI2-9973
Mass	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
Mich	T L Draper	111 Abbey Rd, Birmingham, Mich	MI6-6886
Minn	A O Doherr	625 N. Washington St, Park Ridge, Ill	TA3-6545
Miss	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Mo	P H Groggins Jr	111 Mulberry Ln, Glen Ellyn, Ill	GL1096
Mont	Electrical Specialty Co	2442 - 1st Ave, S., Seattle 4, Wash	MU2-3434
Neb	Electrical Specialty Co	2026 Arapahoe St, Denver 5, Colo	CH4-4588
Nev	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
NH	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
NJ	O C Colburn	408 Wynmere Rd, Wynnewood, Pa	MI2-9973
NJ	M H Dennos	133 Gramercy Pl, Glen Rock, NJ	OL2-1594
NM	Electrical Specialty Co	158-168 - 11th St, San Francisco 3, Cal	HE1-8450
NY	M H Dennos	133 Gramercy Pl, Glen Rock, NJ	OL2-1594
NY	R C Jacobs	Box 332, Carman Rd, Schenectady, NY	EL5-4547
NC	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Ohio	R M Henry	17450 Lake Ave, Lakewood 7, Ohio	AC1-2881
Ohio	T J Holmes	318 Ravenwood Ave, Dayton 19, Ohio	AX3-7613
Okla	John H Cole Co	1825 W. Main St, Oklahoma City 2, Okla	CE2-3171
Ore	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
Pa	O C Colburn	408 Wynmere Rd, Wynnewood, Pa	MI2-9973
Pa	R M Henry	17450 Lake Ave, Lakewood 7, Ohio	AC1-2881
RI	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
SC	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Tenn	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Tex	John H Cole Co	1825 W. Main St, Oklahoma City 2, Okla	CE2-3171
Utah	Electrical Specialty Co	158-168 - 11th St, San Francisco 3, Cal	HE1-8450
Vt	J S Beale	Crescent Rd, Concord, Mass	EM9-4202
Va	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Wash	Electrical Specialty Co	2442 - 1st Ave, S., Seattle 4, Wash	MU2-3434
W. Va	Electrical Insulation Suppliers Inc	500 Means St, N.W., Atlanta, Ga	JA5-2707
Wisc	A O Doherr	625 N. Washington St, Park Ridge, Ill	TA3-6545
Wyo	Electrical Specialty Co	212 N.W. 14th Ave, Portland 9, Ore	CA7-3188
	SCHERMA MFG CO., INC., F A	**424 Broome St, New York 13, NY**	**WA5-2077**
Ariz	Robert G Moye Co	116 S. Stoneham Ave, Alhambra, Cal	CU3-1669
Cal	Robert G Moye Co	116 S. Stoneham Ave, Alhambra, Cal	CU3-1669
Conn	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
DC	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Ill	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Ill	William E Burgoyne	7001 N. Clark St, Chicago, Ill	HO5-2112
Ind	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Ky	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Me	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Md	Frost Associates	213 E. 25th St, Baltimore, Md	BE5-8435
Mass	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Mich	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Nev	Robert G Moye Co	116 S. Stoneham Ave, Alhambra, Cal	CU3-1669
NH	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
NJ	William E Seaton Associates	560 Fifth Ave, New York 36, NY	PL7-3913
NY	William E Seaton Associates	560 Fifth Ave, New York 36, NY	PL7-3913
NY	I A Holze Co., Inc	112 Dewitt St, Syracuse, NY	GR9-6641
Ohio	W W Baerbalck & Associates	127 E. Second St, Dayton 2, Ohio	BA3-7652
RI	Abbott Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Vt	Abbott-Allison Co	P.O. Box 467, Meriden, Conn	BE7-9232
Va	Frost Associates	213 E. 25th St, Baltimore 18, Md	BE5-8435
Wash	Standard Electric Sales	204 W. Lucile St, Seattle 4, Wash	PA5-9440
Wisc	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
	SCHJELDAHL CO., G T	**P. O. Box 170, Northfield, Minn**	**NI5-5635**
Cal	Perlmuth Electronics	941 Charleston Rd, Palo Alto, Cal	DA1-5064
Cal	Perlmuth Electronics	5057 W. Washington Blvd, Los Angeles	WE1-1042
Pa	L D Lowery Co	50 E. Wynnwood Rd, Wynnwood, Pa	TR7-1212
	SCHMIT ENGINEERING CO	**4062 Fabian Way, Palo Alto, Cal**	**DA1-3376**
Ala	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	AM7-0411
Ariz	G S Marshall Co	2030 E. Broadwat, Tucson, Ariz	
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	3525 - 5th Ave, San Diego, Cal	
Conn	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford, Conn	
Fla	W A Brown & Associates	P.O. Box 286, Indian River City, Fla	AM7-0411
Fla	W A Brown & Associates	711 N. Magnolia, Orlando, Fla	
Me	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford 7, Conn	
Md	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	
Mass	Arthur T Hatton & Co	246 Walnut St, Newtonville 60, Mass	
Mich	S Sterling Co	15310 W. McNichols, Detroit 35, Mich	
Nev	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	
NJ	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford 7, Conn	
NJ	R M C Associates	391 Grand Ave, Englewood, NJ	
NJ	The I E Robinson Co	905 Main St, Asbury Park, NJ	
NY	R M C Associates	236 E. 75th St, New York 21, NY	
NC	W A Brown & Associates	201 Capron Rd, Indian River City, Fla	
Ohio	S Sterling Co	5877 Mayfield Rd, Cleveland 24, Ohio	
Pa	I E Robinson Co	7404 W. Chester Pike, Upper Darby Rd, Pa	
Pa	I E Robinson Co	2120 Market St, Camp Hill, Pa	
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	
RI	Arthur T Hatton & Co	1000 Farmington Ave, W. Hartford 7, Conn	
Vt	Arthur T Hatton Co	1000 Farmington Ave, W. Hartford 7, Conn	
	SCHUYLER MFG CORP. SCHWEITZER, PETER J DIV	**84 Forest Ave, N. Arlington, NJ**	**WY1-2094**
	KIMBERLY-CLARK CORP	**Lee, Mass**	**Lee7**
	SCIAKY BROS INC	**4915 W. 67th St, Chicago 38, Ill**	**PO7-5600**
Cal	Sciaky Bros Inc	2311 Purdue Ave, Los Angeles 64, Cal	SR0-1831
DC	Sciaky Bros Inc	1500 Massachusetts Ave, N.W., Wash 5	CO5-5610
Ga	Sciaky Bros Inc	231 Healy Bldg, Atlanta 3, Ga	JA2-7607
Mass	Sciaky Bros Inc	6 Beacon St, Boston 8, Mass	CA7-1515
Mich	Sciaky Bros Inc	7430 Second Blvd, Detroit 2, Mich	TR5-6800
Mo	Sciaky Bros Inc	701 E. 63rd St, Kansas City 13, Mo	DE3-5480
Mo	Sciaky Bros Inc	3901 Olive St, St. Louis, Mo	JE5-5854
NY	Sciaky Bros Inc	1775 Broadway, New York 19, NY	CI6-7740
NY	Sciaky Bros Inc	307 Walbridge Bldg, Buffalo 2, NY	MA1560
Ohio	Sciaky Bros Inc	421 Bulkley Bldg, Cleveland 15, Ohio	PR1-0060
Pa	Sciaky Bros Inc	1123 Western Savings Fund Bldg, Phila 7	KI5-6570
Tex	Sciaky Bros Inc	1414 Electric Bldg, Fort Worth, Tex	ED6-4811
Foreign	Sciaky Electric Weld Mach Ltd	Slough, Bucks, England	
Foriegn	Sciaky S A	13,15 Rue Charles Fourier, Paris, France	
	SCIENTIFIC-ATLANTA INC	**2162 Piedmont Rd, N.E., Atlanta 9, Ga**	**TR5-7291**
Ala	Scientific Sales Engineering Co	3519 Gesman Pl., Huntsville, Ala	JE9-5552
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ill	Privan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Privan Engineering Co	6055 N. College Ave, Indpls 20, Ind	CL3-0444
Iowa	Privan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Mich	The Tilby Co	2245 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5335
Miss	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	The Tilby Co	2245 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5335
Ohio	The Tilby Co	645 Salem Ave, Dayton 6, Ohio	CR7-3822
Pa	The Tilby Co	2245 Warrensville Ctr Rd, Cleveland, Ohio	ER1-5335
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Tenn	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Va	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Wisc	Privan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
	SCIENTIFIC COMPONENTS INC	**30 S. Salsipuedes St, Santa Barbara, Cal**	**WO6-1585**
Ala	Grady Duckett Sales Co	Box 733, Birmingham, Ala	
Ariz	Jackson Edwards Co	3840 N. Jokake Dr, Scottsdale, Ariz	WH5-4290
Ark	Packard Associates	Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Colo	Howell Sales Inc	4637 Dudley, Arveda, Colo	HA2-2497
Del	Paul T Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
DC	Paul T Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
Fla	Grady Duckett Sales Co	P.O. Box 1016, Stuart, Fla	
Ga	Giddings-Duckett Associates	P.O. Box 11657, Atlanta, Ga	CE3-5308
Idaho	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ill	Brinson Manufacturer's Sales Co	767 N. Milwaukee Ave, Chicago, Ill	TA9-1888
Ind	Brinson Manufacturer's Sales Co	767 N. Milwaukee Ave, Chicago, Ill	TA9-1888
Iowa	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Kan	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Ky	Bernard L Michaelson Co	315 N. Monroe St, Xenia, Ohio	DR2-5496
La	Packard Associates	Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Md	Paul Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
Mich	Brinson Manufacturer's Sales Co	767 N. Milwaukee Ave, Chicago, Ill	TA9-1888
Minn	Brinson Mfrs Sales Co	767 N. Milwaukee Ave, Chicago, Ill	TA9-1888
Minn	Stan Clothier Co., Inc	12 W. 58th, Minneapolis 19, Minn	TA5-1234
Miss	Grady Duckett Sales Co	Box 733, Birmingham, Ala	
Mo	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Mont	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
Neb	Howell Sales Co	4321 Larson Pl, Salt Lake City, Utah	
Nev	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
NJ	Paul Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
NY	Par Distributors	Box 36, Woodbury, NY	
NM	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
NC	Grady Duckett	P.O. Box 11402, Charlotte, NC	
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Ohio	Bernard L Michaelson Co	315 N. Monroe St, Xenia, Ohio	DR2-5496
Okla	Packard Associates	Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Ore	Howell Sales Co	76021 S.W. Crescent Dr, Portland, Ore	
Pa	Paul Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
Pa	Bernard L Michaelson	315 N. Monroe St, Xenia, Ohio	DR2-5496
SC	Duckett Associates	P.O. Box 11402, Charlotte, NC	
SD	Stan Clothier	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Tenn	Grady Duckett Associates	Box 11657, Atlanta, Ga	CE3-5308
Tex	Packard Associates	Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Utah	Howell Sales Co	4321 Larson Pl, Salt Lake City, Utah	
Va	Paul Leibovitz	8806 Tyson Rd, Philadelphia, Pa	CH8-2849
Wash	Howell Sales Co	153 194th St, Seattle, Wash	
W Va	Bernard L Michaelson	315 N. Monroe St, Xenia, Ohio	DR2-5496
Wisc	Brinson Manufacturer's Sales Co	757 N. Milwaukee Ave, Chicago, Ill	TA9-1888
Wyo	Howell Sales Co	4637 Dudley, Arvada, Colo	HA2-2497
	SCIENTIFIC ELECTRIC INC	**105-119 Monroe St, Garfield, NJ**	**PR7-0507**
	SCIENTIFIC ELECTRONIC LABS INC	**866 Bergen St, Newark 8, NJ**	
	SCIENTIFIC ENGINEERING LAB	**1510 Sixth St, Berkeley 10, Cal**	**LA6-2772**
	SCIENTIFIC RADIO PRODUCTS INC	**2303 W. 8th St, Loveland, Colo**	**MO7-2261**
Ariz	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Cal	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
Cal	McKnight Co	P.O. Box 543, Menlo Park, Cal	DA6-3762
Colo	Allen I Williams Co	2263 Albion St, Denver 22, Colo	SK6-9403
Del	Danco Corp	Fairview Village, Pa	BR5-2600
DC	Danco Corp	Fairview Village, Pa	BR5-2600
Fla	Edwin W Irby	2505 Francy St, Orlando, Fla	GA5-8284
Fla	Harvey E Antley	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Ga	E P Bean & W W Guyer	3223 Cam's Hill Pl, N.W. Atlanta 5, Ga	CE7-2273
Ill	John G Twist Co	5232 W. Diversey Ave, Chicago 39, Ill	SP7-2250
Ind	J F Kilfoil Co	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Md	Danco Corp	Fairview Village, Pa	BR5-2600
NJ	John DiBlasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
NM	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	5-9632
NY	John Di Blasi Associates Inc	90 Main St, Port Washington, NY	PO7-0470
NY	F C Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
NC	James E Elam	625 Hanwyn Dr, Charlotte, NC	FR6-8648
Ohio	John F Kilfoil Co	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Ore	M K Widdekind Co	216 First Ave, N., Seattle 9, Wash	EL6981
Pa	Danco Corp	Fairview Village, Pa	BR5-2600
Tenn	J B Cartwright & D McCoy	560 S. Copper St, Memphis 4, Tenn	BR6-4442
Wash	M K Widdekind Co	216 First Ave, N., Seattle 9, Wash	EL6981
Foreign	B Freudenberg Inc	50 Rockefeller Plaza, New York 20, NY	PL7-9136
	SCIENTIFIC RADIO SERVICE	**4301 Sheridan St, University Park, Md**	**WA7-0535**
	SCIENTIFIC WOOD CABINET CO	**88 Holmes St, Belleville, NJ**	**PL9-3500**
	SCINTILLA DIV., BENDIX AVIATION CORP	**Sidney, NY**	**LO3-9511**
	SCOPES CO., INC	**Box 56, Monsey, NY**	**EL6-6339**
Ala	W A Brown & Associates	Huntsville, Ala	
Ariz	Moxon Electronics Corp	489 S. Robertson, Beverly Hills, Cal	
Cal	Moxon Electronics	San Mateo, Cal	FI5-2866
Colo	Parrish Electronics	2130 S. Albion, Denver 10, Colo	SK6-6884
Conn	L & M Associates	Box 641, Fairlawn, NJ	DI3-3070
Del	S & S Associates	Washington 20, DC	LU2-0641
DC	S & S Associates	Washington 20, DC	LU2-0641
Fla	W A Brown & Associates	Indian River City, Fla	
Kan	Leemark Associates	Kansas City, Mo	NI2-3313
Mich	Electro Mation Associates	4012 E. 9 Mile Rd, Warren, Mich	JE6-4040
Mo	Leemark Associates	Box 6467, Kansas City, Mo	NI2-3313
NJ	L & M Associates	Saddle Brook, NJ	DI3-3070
Ohio	Kilroy & Whelan	Dayton, Ohio	AX3-2003
Okla	Arnold Barnes Co	3193 E. 2nd Pl, Tulsa 12, Okla	MA6-7707
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	
Utah	Parrish Electronics	2130 S. Albion, Denver 10, Colo	
	SCOTT INC., H H	**111 Powder Mill Rd, Maynard, Mass**	**TW7-6801**
Ala	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-5170
Ariz	Sheller-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
Ariz	W K Gerst Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
Ark	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Cal	R Mark Markman & Co	4260 Lankershim Blvd, N. Hollywood, Cal	TR7-3366
Cal	F W Mouthrop Co	575 10th St, San Francisco, Cal	MA1-0722
Cal	W K Gerst Co	3177 Glendale Blvd, Los Angeles, Cal	NO5-5219
Colo	McCloud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1569
Conn	M C Grossman Sales Co	339 Auburn St, Auburndale, Mass	LA7-7753
Conn	Crane & Egert Corp	97 Reade St, New York, NY	WO4-0996
Del	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
DC	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Fla	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Ga	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Hawaii	Telesco International Corp	36 W. 40th St, New York, NY	PE6-2165
Idaho	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-5170
Ill	Karet-Margolin Inc	1803 W. Belle Plaine, Chicago, Ill	WE5-4642
Ind	Karet-Margolin Inc	1803 W. Belle Plaine, Chicago, Ill	WE5-4642
Iowa	Robert Shaw Co	7800 Kennridge Ln, Webster Groves, Mo	WO2-1590
Kan	Robert Shaw Co	7800 Kennridge Ln, Webster Groves, Mo	WO2-1590
Ky	Karet-Margolin Inc	1803 W. Belle Plaine, Chicago, Ill	WE5-4642
La	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Me	M C Grossman Sales	339 Auburn St, Auburndale, Mass	LA7-7753
Md	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Mass	M C Grossman Sales	339 Auburn St, Auburndale, Mass	LA7-7753
Mich	Rod Butchart	16637 E. Warren Ave, Detroit 24, Mich	TU2-6666
Mich	Electro-Mation Associates	4012 E. 9 Mile Rd, Warren, Mich	JE6-1000
Minn	Clark R Gibb	2400 Hennepin, Minneapolis 5, Minn	FR7-1200
Miss	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Mo	Robert Shaw Co	7800 Kennridge Ln, Webster Groves, Mo	WO2-1590
Mont	Robert Shaw Co	7800 Kennridge Ln, Webster Groves, Mo	WO2-1590
Neb	Robert Shaw Co	7800 Kennridge Ln, Webster Groves, Mo	WO2-1590
Nev	F W Mouthrop Co	575-10th St, San Francisco, Cal	MA1-0722
Nev	W K Gerst Co	3117 Glendale Blvd, Los Angeles, Cal	NO5-6219
NH	M C Grossman Sales	339 Auburn St, Auburndale, Mass	LA7-7753
NJ	Fields & Simon Sales Co	Box 175, Verona, NJ	PI6-6717
NJ	Crane & Egert Corp	97 Reade St, New York, NY	WO4-0996
NM	Sheller-Kahn Co	Box 1587, Phoenix, Ariz	AL8-7893
NY	Fields & Simon Sales Co	Box 175, Verona, NJ	PI6-6717
NY	Electro Rep Sales	187 Culver Rd, Rochester, NY	GR3-7398
NY	Crane & Egert Corp	97 Reade St, New York, NY	WO4-0996
NC	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
ND	Clark R Gibb	2400 Hennepin, Minneapolis 5, Minn	FR7-1200
Ohio	Mike Roth Sales Co.	13949 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Ohio	Martin-Rettger Inc.	11955 Shaker Blvd, Cleveland 20, Ohio	SW1-8787
Okla	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Ore	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-6170
Pa	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Pa	Mike Roth Sales	13949 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Pa	Martin-Rettger Inc.	11955 Shaker Blvd, Cleveland, Ohio	SW1-8787
Pa	Crane & Egert Corp	97 Reade St, New York, NY	PE5-3520
RI	M C Grossman Sales	339 Auburn St, Auburndale, Mass	LA7-7753
SC	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
SD	Clark R Gibb	2400 Hennepin, Minneapolis 5, Minn	FR7-1200
Tenn	V Avis McCorvey Co	105 W. Howard Ave, Decatur, Ga	DR7-6167
Tex	Sheffler-Kahn Co	Box 1587, Phoenix, Ariz	AL6-7893
Tex	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Utah	McCloud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Vt	C Grossman Sales Co	339 Auburn St, Auburndale, Mass	LA7-7753
Va	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Wash	Ray Johnston Co	1011 E. 69th St, Seattle, Wash	LA4-6170
W. Va	Mike Roth Sales Co	13949 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Wisc	Clark R Gibb	2400 Hennepin, Minneapolis 5, Minn	FR7-1200
Wisc	Karet-Margolin Inc	1803 W. Belle Plaine, Chicago, Ill	WE5-4642
Wyo	McCloud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Foreign	Telesco International Corp	36 W. 40th St, New York, NY	

	SCOTT INSTRUMENT LABS., INC	**17 E. 48 St, New York 17, NY**	**PL5-1127**
Cal	Van Leewen Associates	7122 Melrose Ave, Hollywood 46, Cal	
NY	Harvy Radio Co., Inc	103 W. 43rd St, New York 36, NY	JU2-1500
Canada	Sybel Sales Co	276 Arlington St, Winnepeg, Man, Canada	

	SCREEN PROCESS LABS	**5-33 48th Ave, Long Island City, NY**	**ST4-4450**
NY	Printed Cir Equip & Supply Corp	121 Varick St, New York 13, NY	WA4-1560

	SEALECTRO CORP	**139 Hoyt Ave, Mamaroneck, NY**	**OW8-5600**
Ariz	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
Ark	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-1435
Cal	Richard A Strassner Co	1557 N. Western Ave, Los Angeles, Cal	HO3-5694
Conn	Sales Engineering Co	Sugar Ln, Newton, Conn	GA6-4434
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
DC	Samuel A Jeffries, Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	39-8021
Idaho	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Ill	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	William McFadden	150 E. Broad St, Columbus 15, Ohio	
Iowa	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
KY	William McFadden	150 E. Broad St, Columbus 15, Ohio	
La	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Me	Sales Engineering Co	89 High St, Chelmsford, Mass	AL6-5221
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Sales Engineering Co	89 High St, Chelmsford, Mass	AL6-5221
Mich	Shalco	25525 Woodward Ave, Ferndale 20, Mich	LT7-4771
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU8-2523
Mo	R W Farris Co	406 W. 34th St, Kansas City 2, Mo	PL3-5350
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
Neb	R W Farris Co	406 W. 34th St, Kansas City 2, Mo	PL3-5350
NH	Sales Engineering Co	89 High St, Chelmsford, Mass	AL6-5221
NJ	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
NM	Richard A Strassner Co	1557 N. Western Ave, Los Angeles 27, Cal	HO3-5694
NY	I A Hotze	112 DeWitt St, Syracuse 3, NY	GR9-6641
NY	Adolph Friedman Co	519 S. Fifth Ave, Mt. Vernon, NY	MO4-4866
NC	Russ Diethert Co., Inc	P.O. Box 510, Castonia, NC	UN4-4389
Ohio	William McFadden	150 E. Broad St, Columbus 15, Ohio	
Okla	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Ore	Stanley Enterprises	127 River St, Seattle, Wash	PA3-3320
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-1435
RI	Sales Engineering Co	89 High St, Chelmsford, Mass	AL6-5221
SC	Russ Diethert Co., Inc	P.O. Box 510, Castonia, NC	UN4-4389
Tenn	Russ Diethert Co., Inc	P.O. Box 510, Castonia, NC	UN4-4389
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 18, Tex	DA1-6579
Vt	Sales Engineering Co	89 High St, Chelmsford, Mass	AL6-5221
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-1435
Wash	Stanley Enterprises	127 River St, Seattle 8, Wash	PA3-3320
W. Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-1435
Wisc	Russ Diethert Co., Inc	1324 W. Wisconsin Ave, Milwaukee, Wisc	DI2-7484
Foreign	Rappresehtenze Tecnico	Via Firenze 57, Rome, Italy	
Foreign	DeLa Societe Technique Ind	16 Rue Jean Mermoz, Paris 8, France	
Foreign	Sealectro Corp	Lyon Rd, Walton/Thames, Surrey, Engl	6285
Foreign	Bo Palmblad Aktiebolag	Hornagatan 58, Stockholm 5, Sweden	

	SEALELECTRIC SWITCH & RELAY CO	**6023 N. Keystone, Chicago, Ill**	**KE9-7502**

	SEALOL CORP	**Warwick Industrial Pk, Providence 5, RI**	**ST1-4700**

	SEALTRON CORP	**Reading at Amity, Cincinnati 15, Ohio**	**VA1-7444**
Cal	Bill Kolans & Co	219 California Dr, Burlingame, Cal	DI4-7111
Cal	Jackson Edwards Co	4101 Lankershim Bldg, N. Hollywood, Cal	ST7-9603
Conn	Wallworth Controls	131 Main St, Rocky Hill, Conn	JA9-6806
Ga	V Airs McCowey Co	215 Church St, Decatur, Ga	DR7-6167
Ill	D Dolin Sales	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Mich	Heckenberg Associates	19364 James Couzens Hwy, Detroit 35	DI1-8872
NY	William A Franklin	2 Standish Terr, Syracuse 3, NY	GI6-1120
NY	Willgold Electronics Corp	100 N. Village Ave, Rockville Center, NY	RO4-4022
Pa	Hilliard Associates	1125 Old York Rd, Abington, Pa	TU4-6100
Pa	John W Kight	4 Longfellow Rd, Pittsburgh 15, Pa	ST1-8304
Tex	Thomson Engineering Service	2520 Oak Lawn Ave, Dallas 19, Tex	LA6-8741
Wash	Samuel H Stroum Co	1612 Broadway, Seattle 22, Wash	EA3-6117

	SECO MFG CO	**5015 Penn Ave S., Minneapolis, Minn**	**WA6-4545**
Ala	J E Joyner Associates	603-10th St, N.W., Huntsville, Ala	
Cal	Simonite-Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal	TR7-1674
Cal	Harriss-Koetke Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Colo	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Fla	Winfield Electronic Sales	66 N. 125th St, N. Miami, Fla	PL1-5566
Ga	J E Joyner & Associates	P.O. Box 10821, Atlanta, Ga	PL5-4336
Ill	Ray R Hutmacher & Associates Inc	6647 N. Oliphant, Chicago 31, Ill	NE1-3248
Ind	Joseph E Rigor	4418 Huron Circle, South Bend, Ind	AT7-5662
Iowa	Kay Sales Co	2702 41st St, DesMoines, Iowa	
Kan	Kay Sales Co	400 N. Emporia, Wichita, Kan	
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	Keene Sales Co	25 Tremont St, Boston 8, Mass	RI2-0466
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Mo	Kay Sales Co	7603 Forsyth, Clayton, Mo	
NY	Pastron-Hunter Co	3307 Erie Blvd, Syracuse, NY	GI6-2180
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Pa	Eberle-Shaar	Rt 1, Lewisberry, Pa	PO6-3995
SC	J E Joyner & Associates	Rt 2, Box 182 A, Rockhill, SC	8-0854
Tex	Marcrae Smith Co	P.O. Box 35113, Dallas, Tex	BL3-2006
Tex	Macrae Smith Co	P.O. Box 19367, Houston, Tex	HO5-7780
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Canada	Daveco Agencies Ltd	5544 Isabella Ave, Montreal, Quebec, Can	HU6-0423
Foreign	Telesco International Corp	36 W. 40th St, New York, NY	PE6-2166

	SECODE CORP	**555 Minnesota St, San Francisco 7, Cal**	**MA1-2643**
Ariz	King Moon Co	P.O. Box 1245, Sherman Oaks, Cal	ST3-4973
Ark	Datatrol Co	5526 Dyer St, Dallas 6, Tex	EM1-2656
Cal	King Moon Co	P.O. Box 1245, Sherman Oaks, Cal	ST3-4973
Conn	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
DC	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-1796
Ill	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Ind	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Ky	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
La	Datatrol Co	Suburban Bldg, Dallas 6, Tex	EM1-2656
Me	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Mass	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
NH	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
NJ	F F Sylvester Associates	P.O. Box 14, Springfield, NJ	MU8-9191
NY	F F Sylvester Associates	P.O. Box 14, Springfield, NJ	MU8-9191
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	Datatrol Co	Suburban Bldg, Dallas 6, Tex	EM1-2656
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
RI	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
Tex	Datatrol Co	Suburban Bldg, Dallas 6, Tex	EM1-2656
Vt	George Neuman Co	104 Pilgrim Rd, Wellesley, Mass	CE5-5353
W.Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wisc	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Canada	Tele-Radio System Ltd	3534 Dundas St, W., Toronto 9, Ontario	RO2-8224
Canada	Westronic Engineering Sales Ltd	1451 Hornby St, Vancouver 1, Canada	MU1-0107

	SECON METALS CORP	**7 Intervale St, White Plains, NY**	**WH9-4757**
Ala	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Ariz	Heim & Scheer	11168 Santa Monica Blvd, L A, Cal	BR2-5133
Cal	Heim & Scheer	11168 Santa Monica Blvd, Los Angeles	BR2-5133
Conn	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Fla	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Ga	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Idaho	J C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	J C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Me	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Mass	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Mich	J C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
NH	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
NJ	Tower Sales Engineering Co	Box 44, Kensington Sta, Brooklyn, NY	ST8-4883
NY	Tower Sales Engineering Co	Box 44, Kensington Sta, Brooklyn, NY	ST8-4883
NC	E C Raymund & Associates	Box 8215, St. Petersburg, Fla	WA1-9735
Ore	Vince E Johnson Co	2614 E. 86 St, Seattle, Wash	LA4-4595
RI	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
SC	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-0735
Tenn	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-0735
Tex	Heim & Scheer	11168 Santa Monica Blvd, L A, Cal	BR2-5133
Vt	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Va	E C Raymund & Associates	P.O. Box 8215, St. Petersburg, Fla	WA1-9735
Wash	Vince E Johnson	2614 E. 86 St, Seattle, Wash	LA4-4595
Wisc	J E Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Foreign	Technical Factors Ltd	CPO Box Box 1268, Tokyo, Japan	44-1742

	SECURITY CONTROLS INC	**503 Franklin St, Buffalo, NY**	**L18535**

	SEELEY ELECTRONICS	**1060 S. LaBrea Ave, L A 19, Cal**	**WE3-1183**

	SEELY INSTRUMENT CO., INC	**375 Fourth St, Niagara Falls, NY**	
Cal	Air & Hydraulic Equipment Co	4863 Telegraph Rd, Los Angeles 22, Cal	AN9-8269
Conn	Airoyal Co	1990 Springfield Ave, Maplewood, NJ	SO2-1700
Del	George Goodman Co	103 E. 25th, Baltimore 18, Md	BE5-5570
DC	George Goodman Co	103 E. 25th, Baltimore 18, Md	BE5-5570
Ill	Bittler Engineering Co	4258 W. Irving Park Rd, Chicago 41, Ill	MU5-6021
Ill	Carl F Gast Co	6110 Garesche Ave, St. Louis 20, Mo	EV3-0750
Ind	National Engineering Co	5775 N. Hillside Ave, Indianapolis 20	CL1-1132
Md	George Goodman Co	103 E. 25th St, Baltimore 18, Md	BE5-5570
Mass	G H Bohling	120 Boylston St, Boston 16, Mass	LI2-6933
Minn	John Henry Foster Co	3020 E. Franklin, Minneapolis 6, Minn	FE9-7605
Mo	Carl F Gast Co	6110 Garesche Ave, St. Louis 20, Mo	EV3-0750
NJ	Airoyal Co	1990 Springfield Ave, Maplewood, NJ	SO2-1700
NY	Airoyal Co	1990 Springfield Ave, Maplewood, NJ	SO2-1700
NY	R E Perry Co., Inc	586 W. Ferry St, Buffalo 22, NY	GR3362
NC	Livingston & Haven Inc	Box 6020, Charlotte, NC	
Ohio	C L Carll Co	3537 Lee Rd, Cleveland 20, Ohio	LO1-7400
Ore	E H Severson Co	5614 E. 59th St, Seattle 5, Wash	KE4134
Pa	George Goodman Co	403 Huntington Dr, Wayne, Pa	MU8-5490
Pa	C E Robinson	70 Lebanon Hills Dr, Pittsburgh 28, Pa	GR1-7088
RI	G H Bohling	120 Boylston St, Boston 16, Mass	LI2-6933
SC	Livingston & Haven Inc	2115 Meeting St, Charleston, SC	SH4-3334
Tex	Hydraquip Corp	6545 Navigation Blvd, Houston, Tex	WA6-8301
Va	George Goodman Co	103 E. 25th St, Baltimore 18, Va	BE5-5570
Wash	E H Severson Co	5614 E. 59th St, Seattle 5, Wash	KE4134

	SEG ELECTRONICS CO., INC	**1778 Flatbush Ave, Brooklyn 10, NY**	**CL3-4447**

	SEGAL, EDWARD	**132 Lafayette St, New York 13, NY**	**WO6-3935**
Cal	Dolliver & Bro	619 Mission St, San Francisco 5, Cal	GA1-1426
Cal	Dolliver & Bro	5108 E. Washington Blvd, Los Angeles 22	AN8-3445
Ill	A J Horne Inc	1958 W. North Ave, Chicago 22, Ill	BR8-3250
Pa	Charles H Gardner Co	3701 N. Broad St, Philadelphia 40, Pa	BA5-4384
Canada	Higginson Equipment Sales Ltd	1131 Pettit Rd, Burlington, Ontario, Can	NE4-0101

	SEISCOR DIV SEISMOGRAPH SERVICE CORP	**6200 E. 41st St, Tulsa 1, Okla**	**RI3-1381**

	SEL-REX CORP	**75 River Rd, Nutley 10, NJ**	**NO7-5200**

	SEMI-ALLOYS INC	**550 S. Fulton, Mt. Vernon, NY**	**MO4-2800**
Ariz	Carl Hower Co	359 N. Craftsman Ct, Scottsdale, Ariz	
Me	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Mass	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
NH	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
NJ	CDB Enterprises Inc	501 Broadway, Hicksville, NY	WE8-8644
NY	CDB Enterprises Inc	501 Broadway, Hicksville, NY	WE8-8644
RI	T Kenedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532
Vt	T Kennedy Co	19 Forest Rd, Wakefield, Mass	CR6-5532

	SEMI-ELEMENTS INC	**Saxonburg Blvd, Saxonburg, Pa**	**FL2-2548**
Ariz	David Ellis Co	919-D E. Calif St, Pasadena 1, Cal	MU1-9108
Cal	David Ellis Co	919-D E. Calif St, Pasadena 1, Cal	MU1-9108
Neb	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
NJ	Verter Sales Co	2352 E. 66th St, Brooklyn 34, NY	HI4-3880
NY	Verter Sales Co	2352 E. 66th St, Brooklyn 34, NY	HI4-3880
Utah	W H Connors Co	375 Birch St, Denver 20, Colo	DE3-7628
Canada	Active Radio & Tv Ltd	58 Spadina Ave, Toronto, Ontario, Canada	EM4-2256
Foreign	Andres L Pita Lopez	P.O. Box 3438, Habana, Cuba	6-9507
Foreign	L Light & Co Ltd	Poyle Estate, Colnbrook, Bucks, Engl	CO2262-3-4
Foreign	Richard H Stern	Zeil 123 Frankfurt/Main, Germany	27953

	SEMICON INC	**Sweetwater Rd, Bedford, Mass**	**CR4-8542**
Ala	Wm Jones & Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Cal	Long & Associates	Brewster-Warren, Redwood City, Cal	EM9-3324
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Conn	Ray Perron & Co	36 Louis St, Trumbull, Conn	AM8-9631
Del	Wm Jones & Co	1107 Echo Ct, N., Towson, Md	VA3-5721
DC	Wm Jones & Co	1107 Echo Ct, N., Towson, Md	VA3-5721
Fla	Wm Jones & Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	Wm Jones & Co	1437 Kenilworth Dr, S.W., Atlanta, Ga	PL5-5318
Ind	Ralph J Haffey Co	6629 Cold Water Rd, Ft. Wayne, Ind	TR7381
Ky	Ralph J Haffey Co	6629 Cold Water Rd, Ft. Wayne, Ind	TR7381
Me	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1008
Md	Wm Jones & Co	1107 Echo Ct, N., Towson, Md	VA3-5721
Mass	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1008
Mich	Ralph J Haffey Co	6629 Cold Water Rd, Ft. Wayne, Ind	TR7381
Nev	Long & Associates	Brewster-Warren, Redwood City, Cal	EM9-3324
NH	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1008
NJ	Ed Nemeth Associates	261 Elm St, E., Paterson, NJ	SW7-7500
NY	Ed Nemeth Associates	261 Elm St, E., Paterson, NJ	SW7-7500
NY	Jack V Costello Co	639 South Warren St, Syracuse, NY	HA2-0532
NC	Wm Jones Co., Inc	1107 Echo Ct, N., Towson, Md	VA3-5721
Ohio	Tom Andrews Co	3066 Livingston, Rd, Cleveland, Ohio	AC1-2561
Ohio	Ralph J Haffey Co	6629 Cold Water Rd, Ft. Wayne, Ind	TR7381
Pa	Tom Andrews Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
Pa	Millard Jeff Sales	11 Peppermint Ln, Levittown, NJ	TR7-4040
RI	Ray Perron & Co	1870 Centre St, Boston, Mass	FA3-1008
SC	Wm Jones Co., Inc	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Tenn	Wm Jones Co., Inc	1107 Echo Ct, N., Towson, Md	VA3-5721
Vt	Ray Perron & Co., Inc	1870 Centre St, Boston, Mass	FA3-1008
Va	Wm Jones Co., Inc	1107 Echo Ct, N., Towson, Md	VA3-5721
W. Va	Tom Andrews Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561

	SEMICONDUCTOR SPECIALISTS INC	**5706 W. North Ave, Chicago 39, Ill**	

	SEMIMETALS INC	**123-22 91st Ave, Richmond Hill 18, NY**	**AX7-0200**

	SENSITIVE RESEARCH INSTRUMENT CORP	**310 Main St, New Rochelle, NY**	**BE5-2300**
Ala	Bivins & Caldwell	3133 Maple Dr, N.E., Atlanta 5, Ga	CE3-7522
Alaska	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ariz	McCarthy Associates	111 Osborn W., Phoenix, Ariz	CR9-1891
Ark	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	RY1-7411
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	Yewell Associates	1101 E. Main St, Bridgeport, Conn	FO6-3456
Del	Horman Associates	3006 W. Cold Spring Ln, Baltimore, Md	MO4-8345
DC	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Bivins & Caldwell	P.O. Box 7942, Orlando, Fla	CH1-1091
Ga	Bivins & Caldwell	3133 Maple Dr, Atlanta 5, Ga	CE3-7522
Hawaii	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Idaho	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago, Ill	JU8-0905
Ill	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Ind	Law Instrument Co	P.O. Box 95, Angola, Ind	217 8101-R
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Ky	Bivins & Caldwell Inc	P.O. Box 5187, High Point, NC	HI2-6873
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Me	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
Md	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Mn	FE2-5457
Miss	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Mont	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Mont	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Neb	Heimann Co	1711 Hawthorne Ave, Minnpis 3, Minn	FE2-5457
Nev	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal	RY1-7411
NH	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
NJ	I E Robinson Co	905 Main St, Asbury Park, NJ	KE1-3150
NJ	I E Robinson Co	7404 W. Chester Pike, Uppedarby, Pa	FL2-7017
NM	Gene French Co	P.O. Box 8346, Albuquerque, NM	AM8-2478
NY	J F Wulfetange Co	4505 E. Genesee St, Dewitt 14, NY	GI6-3330
NY	Robert Flamg Co	3407 Delaware Ave, Buffalo 17, NY	BE3757
NY	Yewell Associates	806 Main St, Poughkeepsie, NY	GR1-3456
NC	J L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
ND	The Heimann Co	1711 Hawthorne Ave, Minnpis 3, Minn	FE2-5457
Ohio	S Sterling Co	5827 Mayfield Ave, Cleveland 24, Ohio	HI2-8080
Ohio	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Ore	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
Pa	I E Robinson Co	2120 Market St, Camp Hill, Pa	RE7-6791
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh, Pa	
Pa	I E Robinson Co	7404 W. Chester Pike, Upper Darby, Pa	FL2-7017
RI	Yewell Associates	Middlesex Tmpk, Burlington, Mass	BR2-9000
SC	J L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
SD	The Heiman Co	1711 Hawthorne Ave, Minnpis 3, Minn	FE2-5457
Tenn	Evins & Caldwell	P.O. Box 5187, High Point, NC	HI2-6873
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas 19, Tex	LA6-8735
Utah	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3191
Vt	Yewell Associates	806 Main St, Poughkeepsie, NY	GR1-3456
Va	J L Highsmith & Co	3733 Monroe Rd, Charlotte, NC	FR7-2546
Va	Horman Associates	941 Rollins Ave, Rockville, Md	HA7-7560
Wash	Arva Inc	1320 Prospect St, Seattle 9, Wash	MA2-0177
W.Va	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Wyo	Lahana & Co	1886 S. Broadway, Denver, Colo	PE3-3791
Foreign	AD Auriema Inc	85 Broad St, New York 4, NY	BO9-7750

	SEQUOIA WIRE & CABLE CO SUB ANACONDA WIRE & CABLE CO	**2201 Bay Rd, Redwood City, Cal**	**EM9-0331**

	SERDEX INC	**12 Bowdoin St, Boston, Mass**	**CA7-7160**
Cal	H W Baker Co	288 Seventh St, San Francisco, Cal	
Cal	W E Ferris	422 W. Roses Rd, San Gabriel, Cal	
Ill	Garden City Instruments Inc	433 Sherman Ave, Evanston, Ill	
Mich	George Instrument Co	424 E. Woodbridge St, Detroit, Mich	
NJ	Flowprocess Equipment Inc	P.O. Box 56, Summit, NJ	
NY	Nickles Engineering Co	830 Linden Ave, Rochester, NY	
NC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	
Pa	Tyler Griffin	32 S. Fairfield Rd, Devon, Pa	MU8-4821
Pa	Kurt S Lesker Co	4535 Veman Ave, Pittsburgh, Pa	
Wash	Pacific Monitor	1138 Poplar Pl, Seattle, Wash	
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	

	SERVICE INSTRUMENTS CO	**426 S. Westgate Dr, Addison, Ill**	**KI3-7740**
Ariz	R Mark Markman Co	4260 Lankershim Blvd, N. Hollywood, Cal	ST7-3368
Cal	Logan Sales Co	150 Eigth St, San Francisco, Cal	HE1-0692
Cal	R Mark Markman Co	4260 Lankershim Blvd, N. Hollywood, Cal	ST7-3368
Colo	W B Gelliher	1003 Grandview Ave, Boulder, Colo	HI2-7899
Del	Ferrell S Carmine	14 Knickerbocker Dr, Newark, Del	EN6-7603
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	William Linz	6322 N. Cicero Ave, Chicago, Ill	MU5-2022
Ind	Burt F Homsher	2018 Jessie Ave, Fort Wayne, Ind	EA4920
Ky	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Mass	Lawrence B Cole	21 Radcliff Rd, Weston, Mass	CE5-3197
Mich	J Malcolm Flora	18450 Livernois St, Detroit, Mich	UN1-8141
Minn	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Mo	Collins-Havercamp Associates	6825 N. Baltimore, Kansas City 16, Mo	GL3-4497
Neb	W B Gelliher	1003 Grandview Ave, Boulder, Colo	HI2-7899
Nev	Logan Sales Co	150 Eighth St, San Francisco, Cal	HE1-0692
NJ	Steve Fisher	800 Greenwood Ave, Brooklyn, NY	HY9-6691
NY	W J Callahan	156 S. Edwards, Syracuse, NY	HO3-2151
NY	Steve Fisher	800 Greenwood Ave, Brooklyn, NY	HY9-6691
ND	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Ohio	J W Lehner Co	367 Bryghild Rd, Columbus, Ohio	AM8-5260
Ore	Roger Minthorne	0673 S.W. Taylor's Ferry Rd, Portland	CH6-4556
Pa	J W Lehner Co	367 Bryghild Rd, Columbus, Ohio	AM8-5260
SD	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	TU1-9166
Tenn	Dixie Electronics Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Tex	Hal F Corry Co	6315 Hillcrest, Dallas 5, Tex	LA8-9172
Wash	Roger Minthorne	0673 S.W. Taylor's Ferry Rd, Portland, Ore	CH6-4556
W. Va	J W Lehner Co	367 Bryghild Rd, Columbus, Ohio	AM8-5260
Wisc	William Linz	6322 N. Cicero Ave, Chicago, Ill	MU5-2022

	SERVO CONSULTANTS LTD	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Aldis Brothers Ltd		

	SERVO CORP OF AMERICA	**111 New South Rd, Hicksville, NY**	**WE6-9700**
Ala	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Ala	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Colo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Del	The Jay Co	2420 Wilson Blvd, Arlington, Va	JA4-6767
DC	The Jay Co	2420 Wilson Blvd, Arlington, Va	JA4-6767
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-1730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ill	Pivan Engineering Co	2820 Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering Co	2820 Peterson Ave, Chicago 45, Ill	BR4-9135
Iowa	Pivan Engineering Co	2820 Peterson Ave, Chicago 45, Ill	BR4-9135
Kan	Leemark Associates Inc	4021 W. 86th St, Prairie Village 15, Kan	
Ky	Pivan Engineering Co	2820 Peterson Ave, Chicago 45, Ill	BR4-9135
Md	The Jay Co	2420 Wilson Blvd, Arlington, Va	JA4-6767
Mich	Custom Engineering Co	2975 Far Hills Ave, Dayton 19, Ohio	
Minn	Davco Inc	850 Cromwell, St. Paul 14, Minn	MI6-2671
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, Atlanta 9, Ga	TR3-2475
Mo	Leemark Associates Inc	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Neb	Leemark Associates Inc	4021 W. 86th St, Prairie Village 15, Kan	
Nev	Kittleson Co	416 N. La Brea Ave, Los Angeles 36, Cal	WE3-7371
NJ	Holdsworth & Co	P.O. Box 71, Lansdowne, Pa	MA6-8300
NM	Kittleson Co	P.O. Box 8031, Alamogordo, NM	AL6-6987
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Custom Engineering Co	2975 Far Hills Ave, Dayton 19, Ohio	BA6-1663
Okla	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Pa	Holdsworth & Co	426 S. Springfield Rd, Clifton Heights, Pa	
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Tenn	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Tex	John A Green Co	7118 Envoy Ct, Dallas 7, Tex	FL1-9947
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Va	The Jay Co	2420 Wilson Blvd, Arlington, Va	JA4-6767
W. Va	Public Relations Research Svc	Park Bldg, Pittsburgh 22, Pa	CO1-4404
Wisc	Davco Inc	850 Cromwell, St. Paul 14, Minn	MI6-2671
Wyo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Canada	Mel Sales Ltd	1969 Avenue Rd, Toronto 12, Ont, Can	HI4-8172

	SERVO DEVELOPMENT CORP	**576 Main St, Westbury, NY**	**ED3-4144**
Ariz	Dyna Sales	4645 E. Olympic Blvd, L A 22, Cal	AN8-3814
Ark	Southern Industrial Electronics	538 Braniff Bldg, Dallas, Tex	
Cal	Dyna Sales	4645 E. Olympic Blvd, L A 22, Cal	AN8-3814
Kan	Southern Industrial Electronics	538 Braniff Bldg, Dallas, Tex	
La	Southern Industrial Electronics	538 Braniff Bldg, Dallas, Tex	
Mo	Southern Industrial Electronics	538 Braniff Bldg, Dallas, Tex	
NM	Dyna Sales	4645 E. Olympic Blvd, L A 22, Cal	AN8-3814
NY	The Creek Corp	Lumber Rd, Roslyn, NY	MA1-7410
Tex	Southern Industrial Electronics	538 Braniff Bldg, Dallas, Tex	

	SERVO-TEK PRODUCTS CO	**1086 Goffle Rd, Hawthorne, NJ**	**HA7-3100**
Ariz	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Cal	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Colo	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Idaho	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Mo	Forbes Engineering Co	19 Flint St, Salem, Mass	PM-1693
Mass	Forbes Engineering Co	19 Flint St, Salem, Mass	PM-1693
Mont	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Nev	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
NH	Forbes Engineering Co	19 Flint St, Salem, Mass	PM-1693
NM	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Ore	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
RI	Forbes Engineering Co	19 Flint St, Salem, Mass	PM-1693
Utah	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Vt	Forbes Engineering Co	19 Flint St, Salem, Mass	PM-1693
Wash	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690
Wyo	Servo-Tek of Calif Inc	14736 Arminta St, Los Angeles, Cal	ST6-0690

	SERVOMECHANISMS INC	**12500 Aviation Blvd, Hawthorne, Cal**	**OR8-7841**
Ariz	Servomechanisms Inc	1801 E. Missouri St, Phoenix, Ariz	AM5-7080
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minnpls, Minn	LI5-4481
Mo	Charles Kemp Co	6614 A Hampton Ave, St. Louis 9, Mo	FL1-2175
NJ	Servomechanisms Inc	515 8th St, Riverside, NJ	HO1-0659
NY	Mechatrol Div	1200 Prospect Ave, Westbury, NY	ED3-6000
Ohio	Servomechanisms Inc	1107 Third Nat'l Bldg, Dayton 2, Ohio	BA2-0524
Tex	Charles Kemp Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Wash	Servomechanisms Inc	504 Terry Ave, Seattle 4, Wash	MA4-3509
Wash	Seatronics Inc	1806 Bush Pl, Seattle 44, Wash	EA3-8545

	SERVOMEX CONTROLS LIMITED	**Crowborough, Sussex, England**	**CR1247**

	SERVONIC INSTRUMENTS	**640 Terminal Way, Costa Mesa, Cal**	**MI6-2427**
Ala	Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	EA6-3543
Cal	Instrumentation Sales	5002 Crenshaw Blvd, Los Angeles, Ca	AX2-0395
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	J W Richardt Co	Rt 46, Pinebrook, NJ	CA8-0600
Del	J W Richardt Co	Rt 46, Pinebrook, NJ	CA8-0600
DC	J W Richardt Co	Rt 46, Pinebrook, NJ	CA8-0600
Fla	G Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ga	G Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Idaho	Geo E Harris	3241 E. Douglas, Wichita, Kan	MU3-2731
Ill	Anderson Automation	16 E. View St, Lombard, Ill	
Iowa	Geo E Harris Co., Inc	3241 E. Douglas, Wichita, Kan	MU3-9226
Kan	Geo E Harris & Co., Inc	3241 E. Douglas, Wichita, Kan	MU3-9226
Me	General Measurements Co., Inc	1108 Beacon St, Newton Highlands, Mass	
Md	John Richardt Co	Rt 46, Pine Brook, NJ	CA8-0600
Mass	General Measurements Co	1108 Beacon St, Newton Highlands, Mass	
Mich	Satullo Co	4512 N. Woodward, Royal Oak, Mich	OR4-7100
Minn	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	
Mo	Geo E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU3-9226
Neb	Geo E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU3-9226
NH	General Measurements	1108 Beacon St, Newton Highlands, Mass	
NJ	John Richardt	Rt 46, Pinebrook, NJ	CA8-0600
NM	Brooks Feeger & Associates	1122-C San Mateo, Albuquerque, NM	AM8-1724
NY	John Richardt	Rt 46, Pinebrook, NY	CA8-0600
ND	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	
Ohio	Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	
Okla	Geo E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU3-9226
Ore	Geo E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU3-9226
Pa	Satullo Co	16801 Euclid Ave, Cleveland 12, Ohio	
RI	General Measurements	1108 Beacon St, Newton Highlands, Mass	
SD	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	
Tex	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	EA6-3543
Utah	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Vt	General Measurements	1108 Beacon St, Newton Highlands, Mass	
Wash	Geo E Harris & Co	3241 E. Douglas Ave, Wichita, Kan	MU3-9226
Wisc	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	

	SERVONICS INC	**822 N. Henry St, Alexandria, Va**	**TE6-6800**

	SERVOTRONICS INC	**190 Gruner Rd, Buffalo 25, NY**	**KE6105**
Cal	Industrial Measurements Sales Inc	445 N. Garey St, Pomona, Cal	NA9-0961

	SESSIONS & SON, J H	**280 Riverside Ave, Bristol, Conn**	**LU2-3127**

	SET SCREW MFG CO	**470 Main St, Bartlett, Ill**	

	SETCHELL-CARLSON INC	**330 5th Ave, St. Paul 12, Minn**	**ME3-3131**
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham, Ala	TR9-7197
Ariz	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	RI8-6191
Ark	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Cal	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	RI8-6191
Cal	Featherstone & Salisbury	1355 Market St, San Francisco, Cal	UN1-1466
Colo	Peyser & Co	1501 N. Weber St, Colorado Spring, Colo	ME4-3401
Conn	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Del	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
DC	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta, Ga	TR5-8031
Hawaii	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	RI8-6191
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ind	Robert Milsk Co	19371 Jas Couzens Hghwy, Detroit, Mich	BR3-3652
Ky	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
La	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Me	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Md	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
Mass	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Mich	Robert Milsk Co	19371 Jas Couzens Hghwy, Detroit, Mich	BR3-3652
Miss	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham, Ala	TR9-7197
Nev	Barstow & Doran Inc	1406 S. Grand, Los Angeles, Cal	RI8-6191
NH	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
NJ	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Mursey Sales Co	529 Merchants Rd, Rochester 9, NY	HU2-4133
NY	Erde-Haviland & Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
NC	Maitland K Smith Co	920 W. Hill St, Charlotte 8, NC	FR6-5950
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Okla	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Ore	Marsh Agencies	2601 1st Ave, Seattle 1, Wash	MA2-8761
Pa	Beil & Whitaker Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
Pa	Edwards-Lohse & Co	2123 E. 9th, Cleveland 15, Ohio	TO1-5753
RI	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
SC	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	FR6-5950
Tenn	Maitland K Smith Co	920 W. Hill St, Charlotte, NC	FR6-5950
Tex	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Kenneth L Brown	54 Atherton Rd, Brookline, Mass	BE2-3969
Va	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
Wash	Marsh Agencies	2601 1st Ave, Seattle 1, Wash	MA2-8761
W. Va	Edwards-Lohse & Co	2123 E. 9th, Cleveland 15, Ohio	TO1-5753
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	Scheel International Inc	5909 N. Lincoln, Chicago 45, Ill	LO1-7832

	SETH THOMAS DIV OF GENERAL TIME CORP	**Main St, Thomaston, Conn**	**AT3-4323**
Cal	Schloss Mfg Co	540 Mission St, San Francisco	EX2-1063

	SEXTON CAN CO., INC	**31 Cross St, Everett 49, Mass**	**DU7-2500**
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	
Ill	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	
NC	Russ Diethert Co	Box 510, Gastonia, NC	
W. VA	Sexton Can Co., Inc	Box 886, Martinsburg, W. Va	
Wisc	Sexton Can Co., Inc	482 Marion Rd, Oshkosh, Wisc	

	SEYMOUR MFG CO., THE	**15 Franklin St, Seymour, Conn**	**TU8-2541**
NY	Huntley M Campbell	51 E. 42nd St, New York, NY	
RI	Ralph Bixler	Riverside Dr, Barrington, RI	

	SHAKEPROOF DIV ILL TOOL WKS	**St. Charles Rd, Elgin, Ill**	**SH1-7900**
Cal	Calmoy Division Ill Tool Works	3155 W. El Segundo Blvd, Hawthorne	OR8-3437
Mich	Shakeproof Division	1403 E. State Fair, Detroit 3, Mich	TW1-3000
NY	Shakeproof Division	180 S. Broadway, White Plains, NY	WH6-1801

	SHALLCROSS MFG CO	**Selma, NC**	**WO5-2341**
Ala	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR3-5973
Alaska	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Ariz	J C Van Groos Co	21051 Costanso, Woodland Hills, Cal	DI0-3131
Ariz	Arvin Bell Co	385 E. Green St, Pasadena 1, Cal	MU1-0491
Ark	Geo Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Cal	J C Van Groos Co	21051 Costanso-Woodland Hills, Cal	DI0-3131
Cal	Arvin Bell Co	385 E. Green St, Pasadena 1, Cal	MU1-0491
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2203
Conn	Eltron Engineering Sales, Inc	2345 Whitney Ave, Hamden 18, Conn	AT8-9276
Del	Danco Corp	Germantown Pike & Quarry Hall Rd, Fairview Village, Pa	BR5-2600
DC	Danco Corp	Germantown Pike & Quarry Hall Rd, Fairview Village, Pa	BR5-2600
Fla	Lynch Enterprises	406 Danley Dr, Ft. Myers, Fla	WE6-2181
Ga	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR3-5973
Idaho	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	A C Wahl Co., Inc	121 Mill St, Lockland, Ohio	VA1-3270
Iowa	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Ky	A C Wahl Co., Inc	121 Mill St, Lockland, Ohio	VA1-3270
La	Geo Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Me	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Md	Danco Corp	Germantown Pike & Quarry Hall Rd, Fairview Village, Pa	BR5-2600

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mass	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
Mich	Satullo Co	4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Minn	Jav C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Mo	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Mont	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Neb	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
NH	Eltron Engineering Sales Inc	246 Walnut St, Newtonville, Mass	DE2-6975
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NM	Vinson Associates	3600 S. Lincoln Englewood, Colo	SU9-2203
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	J F W Wifetanze Jr	4505 E. Genesee St, DeWitt 14, NY	GI6-3330
NY	M L Spitzer Co	1258 Kenmore Ave, Buffalo, NY	DE6163
NC	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR3-5973
Ohio	A C Wahl Co., Inc	121 Mill St, Lockland, Ohio	VA1-3270
Okla	Maury E Bettis Co	406 W. 34th St, Kansas City 2, Mo	LO1-0772
Ore	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
Pa	Danco Corp	Germantown Pike & Quarry Hall Rd, Fairview Village, Pa	BR5-2600
RI	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
SC	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR3-5973
Tenn	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR3-5973
Tex	Geo Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Utah	Vinson Associates	3600 S. Lincoln Englewood, Colo	SU9-2203
Vt	Eltron Engineering Sales Inc	246 Walnut St, Newtonville 60, Mass	DE2-6975
Va	K O Brown & Co	5215 High Point Rd, Greensboro, NC	BR5-2600
Wash	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780
W. Va	Satullo Co	4512 W. Woodward Ave, Royal Oak, Mich	LI9-3910
Wisc	Jav C Angel	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
	SMALLITE INC	**128 W. First Ave, Roselle, NJ**	**CH5-9800**
Md	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Ohio	Jav Engineering Co	P.O. Box 175, Sta A, Dayton 3, Ohio	CL3-2151
	SHAMBAN & CO, W S	**11617 W. Jefferson, Culver City, Cal**	**EX7-2195**
Ind	W S Shamban & Co	Meyer Rd, Ft. Wayne, Ind	AN 6491
Mass	W S Shamban & Co	100 Boylston St, Boston, Mass	HA6-5244
NY	W S Shamban & Co	160 Woodbine Ct, Floral Park, NY	HU8-1756
	SHANNON LUMINOUS MATERIALS CO	**7356 Santa Monica Blvd, Hollywood, Cal**	**HO7-5509**
	SHASTA ELECTRONIC CO	**P. O. Box 316, Palo Alto, Cal**	**CH6-5920**
Cal	Lloyd E West	262 S. Robles Ave, Pasadena, Cal	MU1-5281
	SHAW INSTRUMENT CORP	**P. O. Box G-48, Latrobe, Pa**	**KE9-1626**
	SHAW INSULATOR CO	**160 Colt St, Irvington 11, NJ**	
	SHAWMUT ENGINEERING CO	**195 Freeport St, Boston, Mass**	**TA5-3210**
	SHEARCUT TOOL CO	**7045 Darby Ave, Reseda, Cal**	**DI2-5188**
	SHEFFCO MFG CORP	**323 Bergen Blvd, Fairview, NJ**	**WH5-1300**
Ariz	Al J Rissi	8417 E. Las Tunas Dr, San Gabriel, Cal	AT6-1476
Cal	Al J Rissi	8417 E. Las Tunas Dr, San Gabriel, Cal	CU3-7614
Conn	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Conn	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
Del	Joseph L Glaser Co	P.O. Box 547, Bryn Mawr, Pa	LA5-5953
DC	Joseph L Glaser Co	P.O. Box 547, Bryn Mawr, Pa	LA5-5953
Ill	Arthur J Ellis Co	1607 W. Howard St, Chicago, Ill	AM2-2708
Ind	Arthur J Ellis Co	1607 W. Howard St, Chicago, Ill	AM2-2708
Ky	The R A Staff Co	1213 W. Third St, Cleveland, Ohio	MA1-4063
Me	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Me	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
Md	Joseph L Glaser Co	P.O. Box 547, Bryn Mawr, Pa	LA5-5953
Mass	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Mass	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
Mich	R A Staff Co	2711 E. Jefferson St, Detroit, Mich	LO7-7330
Nev	Al J Rissi	8417 E. Las Tunas Dr, San Gabriel, Cal	AT6-1476
NH	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
NH	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
NJ	Stephen Lamb Associates	60 E. 42nd St, New York, NY	MU7-6855
NJ	L G Thomas Co	610 Palisade Ave, Englewood Cliffs, NJ	LO7-3555
NY	Robert E Lee	Green Valley, Pittsford, NY	LU6-7041
NC	J N Pomeranz	P.O. Box 205, Sanford, NC	SP4-8811
Ohio	R A Staff Co	1213 W. Third St, Cleveland, Ohio	MA1-4063
Pa	Joseph L Glaser Co	P.O. Box 547, Bryn Mawr, Pa	LA5-5953
Pa	R A Staff Co	1213 W. Third St, Cleveland, Ohio	MA1-4063
RI	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
RI	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
SC	J N Pomeranz	P.O. Box 205, Sanford, NC	SP4-8811
Vt	R S Pettierew & Co	10 N. Main St, W. Hartford, Conn	AD3-8533
Vt	R S Pettierew & Co	45 Main St, Natick, Mass	OL3-6480
Va	Joseph L Glaser Co	P.O. Box 547, Bryn Mawr, Pa	LA5-5953
Canada	Parmenter & Bulloch Ltd	Gananoque, Ontario, Canada	191
	SHEFFIELD CORP SUB BENDIX AVIATION CORP	**Box 893, Dayton 1, Ohio**	**CL4-5377**
Ala	D G Machinery & Gage Co	2828 Northeast Freeway, Atlanta 24, Ga	ME6-1482
Ariz	Red-Lu Tool & Supply Co	3217 E. Washington St, Phoenix, Ariz	BR5-7588
Ark	Bud Watts Machinery Co	1450 Mississippi, Memphis, Tenn	WH2-2497

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	Sheffield Western Corp	3630 San Fernando Rd, Glendale, Cal	CM-8431
Cal	Darling Abrasive & Tool Co	2186 Palou Ave, San Francisco 24, Cal	AT8-6524
Colo	Iver J Esbenson Co	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
Conn	F W Blanchette Co	845 Bloomfield Ave, Clifton, NJ	GR1-2100
Conn	W H Gourlie Co	62 LaSalle Rd, W. Hartford 9, Conn	AD6-2503
Del	P A Patterson Co., Inc	3133 N. Broad St, Philadelphia 32, Pa	BA9-1250
DC	P A Patterson Co., Inc	3133 N. Broad St, Philadelphia 32, Pa	BA9-1250
Fla	D G Machinery & Gage Co	724 Commonwealth Bldg, Miami 32, Fla	FR4-7740
Ga	D G Machinery & Gage Co	2828 Northeast Freeway, Atlanta 24, Ga	ME6-1482
Ill	Sheffield Illinois Sales Corp	2130 N. Harlem Ave, Chicago 35, Ill	GL6-8784
Ind	Sheffield Indiana Sales Corp	6960 E. 10th St, Indianapolis 19, Ind	FL9-5442
Iowa	J F Berg Co	1706 25th St, Rock Island, Ill	RO8-1916
Kan	Claude Mann & Associates	2514 E. Douglas, Wichita 7, Kan	WU2-4579
Ky	Sheffield Central Sales Co	6851 Plainfield Rd, Cincinnati 36, Ohio	EA2-7733
La	Engineering Sales Co	118 Parkhouse, Dallas 7, Tex	RI1-9015
Me	Sheffield Tool Corp	16 Bliss Ave, Hebronville, Mass	AT1-2423
Md	P A Patterson Co., Inc	3133 N. Broad St, Philadelphia 32, Pa	BA9-1250
Mass	The Sheffield Tool Corp	16 Bliss Ave, Hebronville, Mass	AT1-2423
Mich	Sheffield Michigan Sales	14031 Puritan Ave, Detroit 27, Mich	VE7-2032
Minn	G G O'Brien	3029 Georgia Ave, St. Louis Pk, Minnpls	WE3-6916
Miss	Bud Watts Machinery	1450 Mississippi, Memphis 16, Tenn	WH2-2497
Mo	Louis J DePaivos III	404 Park Rd, St. Louis 19, Mo	WO2-7622
Mo	Glade Ives	1421 McGee St, Kansas City 6, Mo	GR1-1749
Neb	Glade Ives	1421 McGee St, Kansas City 6, Mo	GR1-1749
Nev	Darling Abrasive & Tool	2186 Palou Ave, San Francisco 24, Cal	AT8-6524
NH	W H Gourlie Co	62 La Salle Rd, W. Hartford 7, Conn	AD6-2503
NH	Sheffield Tool Corp	16 Bliss Ave, Hebronville, Mass	AT1-2423
NJ	P A Patterson Inc	3133 N. Broad St, Philadelphia 32, Pa	BA9-1250
NJ	F W Blanchette Co	845 Bloomfield Ave, Clifton, NJ	GR1-2100
NM	Iver J Esbenson	1725 E. 17th Ave, Denver 18, Colo	EA2-7733
NY	F W Blanchette Co	845 Bloomfield Ave, Clifton, NJ	GR1-2100
NY	E A Siale	Box 84, Gasport, NY	LO3-3778
NY	Don Marcellus	303 Buffington Rd, Syracuse 10, NY	GI6-5230
NC	Crotts & Saunders Engr Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Ohio	Sheffield Cleveland Corp	1000 Brookpark Rd, Cleveland 9, Ohio	ON1-9070
Ohio	W J Greenleaf Co	712 Franklin Ave, Pittsburgh, Pa	CH1-6967
Ohio	W W Pound Mack & Tool Co	Box 72, Perrysburg, Ohio	TR4-4391
Okla	Hank J Fisk	136 S. 69th E. Ave, Tulsa, Okla	TE6-4230
Ore	F P Rogers Co	520 First Ave, S. Seattle 4, Wash	MA2-7667
Pa	W J Greenleaf Co	512 Franklin Ave, Pittsburgh, Pa	CH1-6967
Pa	W J Greenleaf Co	Box 617, Erie, Pa	GL2-3385
Pa	P A Patterson Co., Inc	3133 N. Broad, Philadelphia 32, Pa	BA9-1250
RI	Sheffield Tool Corp	16 Bliss Ave, Hebronville, Mass	AT1-2423
SC	D G Machinery & Gage	2828 Northeast Frwy, Atlanta 24, Ga	ME6-1482
SC	Crotts & Saunders	235 N. Main St, Winston Salem, NC	PA4-0163
Tenn	Bud Watts Machinery	1450 Mississippi Ave, Memphis, Tenn	WH2-2497
Tenn	Bud Watts Machinery	4116 Albemarle St, Chattanooga 11, Tenn	MA4-9408
Tex	Paul Lanadale	5949 Armour Dr, Houston, Tex	WA6-8858
Tex	Engineering Sales Co	118 Parkhouse, Dallas 7, Tex	RI1-9015
Utah	Iver J Esbenson Co	1725 E. 17 Ave, Denver 18, Colo	EA2-7733
Vt	W H Gourlie Co	62 LaSalle Rd, W. Hartford 7, Conn	AD6-2503
Va	Crotts & Saunders	235 N. Main St, Winston Salem, NC	PA4-0163
Va	P A Patterson Co	3133 N. Broad St, Philadelphia 32, Pa	BA9-1250
Wash	F P Rogers Co	520 First Ave, S., Seattle 4, Wash	MA2-7667
W. Va	W J Greenleaf Co	512 Franklin Ave, Pittsburg, Pa	CH1-6967
Wisc	John L McCoy Co	4003 W. Capitol Dr, Milwaukee 16, Wisc	UP1-9151
Wyo	Iver J Esbenson Co	1725 E. 17 Ave, Denver 18, Colo	EA2-7733
Canada	Sheffield Tool & Gage of Can Ltd	7100 Tecumseh Rd, Windsor, Ontario, Canada	
Foreign	Sheffield Corp of Aus Pty Ltd	P.O. Box 71, Clayton, Victoria, Australia	
Foreign	M P J Gauge & Tool Co Ltd	Hanson Bridge Rd, Erdington, Birmingham 24, England	
	SHELL CHEMICAL CO., PLASTICS & RESNS DIV	**110 W. 51st St, New York 20, NY**	**JU6-5060**
Cal	Shell Chemical Co	10642 Downey Ave, Downey, Cal	SP3-0601
Ga	Shell Chemical Co	55 Marietta St, N.W., Atlanta 3, Ga	JA5-7621
Ill	Shell Chemical Co	6054 W. Touhy Ave, Chicago 48, Ill	SP4-6711
Mass	Shell Chemical Co	920 Park Square Bldg, Boston, Mass	LI2-9540
Mo	Shell Chemical Co	212 S. Central Ave, Clayton, Mo	PA6-1181
NY	Shell Chemical Co	42-76 Main St, Flushing 55, NY	FL3-4200
Ohio	Shell Chemical Co	20575 Center Ridge Rd, Cleveland 16,	ED3-1400
Tex	Shell Chemical Co	P.O. Box 2099, Houston 1, Tex	CA2-1181
	SHELL ELECTRONICS MFG CORP	**112 State St, Westbury, NY**	**ED3-6300**
Ala	Fred Wamble Sales	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Ariz	Wedge Weber Co	1217 Venice Blvd, Los Angeles, Cal	DU7-2111
Ark	Athans Bros	1523 Dragon St, Dallas, Tex	RI2-4450
Cal	Wedge Weber Co	1217 Venice Blvd, Los Angeles, Cal	DU7-2111
Cal	Logan-Hill Co	254 12th St, San Francisco, Cal	PL6-0992
Colo	Nelson Co	710 E. Louisiana St, Denver, Colo	KE4-6751
Conn	Eastern Electronic Sales Co	145 University Rd, Brookline, Mass	AS7-5675
Del	J C Merican Co	1 Christopher St, New York, NY	AL5-6387
DC	J C Merican Co	1 Christopher St, New York, NY	AL5-6387
Fla	Winfield Sales Co	666 N.E. 125th St, Miami, Fla	PL1-5566
Ga	Fred Wamble Sales	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Hawaii	Logan-Hill Co	254 12th St, San Francisco, Cal	PL6-0992
Idaho	Nelson Co	710 E. Louisiana St, Denver, Colo	KE4-6751
Ill	Morton L Friedman	2814 W. Balmoral Ave, Chicago, Ill	LO1-4257
Ind	Victor Muesser	608 W. 2nd St, Marion, Ind	NO2-7874
Iowa	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Kan	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Ky	Victor Muesser	608 W. 2nd St, Marion, Ind	NO2-7874
La	Athans Bros	1523 Dragon St, Dallas, Tex	RI2-4450
Me	Eastern Sales Co	145 University Rd, Brookline, Mass	AS7-5675
Md	J C Merican Co	1 Christopher St, New York, NY	AL5-6387
Mass	Eastern Sales Co	145 University Rd, Brookline, Mass	AS7-5675
Mich	Lawrence F Zaffina Co	7351 Gratiot Ave, Detroit, Mich	WA1-2885
Minn	Dick Swanson	2655 Brighton Ave, N.E., Minnpls, Minn	ST9-5636
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Mo	Kelly-Schmitz-Winkeler Associates	7449 Broadway, Kansas City, Mo	EM1-5651
Mont	Nelson Co	710 E. Louisiana St, Denver, Colo	KE4-6751
Neb	Nelson Co	710 E. Louisiana St, Denver, Colo	KE4-6751
Nev	Nelson Co	710 E. Louisiana St, Denver, Colo	KE4-6751
NH	Eastern Sales Co	145 University Rd, Brookline, Mass	AS7-5675
NJ	Irving Becker	635 E. 14th St, New York, NY	PL7-6454
NM	Nelson Co	710 E. Louisiana, Denver, Colo	KE4-6751
NY	Irving Becker	635 E. 14th St, New York, NY	PL7-6454

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
ND	Dick Swanson	2655 Brighton Ave, N.E., Minnpls, Minn	ST9-5636
Ohio	Fred A Rosenwasser	13781 Cedar Rd, S., Euclid, Ohio	FA1-0463
Okla	Athans Bros	1523 Dragon St, Dallas, Tex	RI2-4450
Ore	Hatco Sales Co	3212 Harvard, N., Seattle, Wash	EA2-1818
Pa	Fred A Rosenwasser	13781 Cedar Rd, S., Euclid, Ohio	FA1-0463
Pa	J C Merican Co	1 Christopher St, New York, NY	AL5-6387
RI	Eastern Sales Co	145 University Rd, Brookline, Mass	AS7-5675
SC	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
SD	Dick Swanson	2655 Brighton Ave, N.E., Minnpls, Minn	ST9-5636
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	AM2-1573
Tex	Athans Bros	1523 Dragon St, Dallas, Tex	RI2-4450
Utah	Nelson Co	710 E. Louisiana, Denver, Colo	KE4-6751
Vt	Eastern Sales Co	145 University Rd, Brookline, Mass	AS7-5675
Va	J C Merican Co	1 Christopher St, New York, NY	AL5-6387
Wash	Hatco Sales Co	3212 Harvard, N., Seattle, Wash	EA2-1818
W. Va	Philip Heller	Box 16, Ft. George Sta, New York 40, NY	LO8-9141
Wisc	Morton L Friedman	2814 W. Balmoral Ave, Chicago, Ill	LO1-4257
Wyo	Nelson Co	710 E. Louisiana, Denver, Colo	KE4-6751
	SHELTERED WORKSHOPS	**2521 Fifth St, Santa Monica, Cal**	**EX9-7741**
	SHEPARD LABS INC	**Broad St, at Park Ave, Summit, NJ**	**CR3-5255**
	SHERMAN INDUSTRIAL ELECTRONICS	**521 Marylyn Ave, State College, Pa**	**AD8-0593**
Cal	Peninsula Associates	1345 Hancock St, Redwood City, Cal	EM9-1226
Cal	Abbott Instrument & Engineering Co	10513 Santa Monica Blvd, L A 24, Cal	GR4-5310
Conn	Dittman & Greer Inc	S. Main St, Ext, Middletown, Conn	DI6-9606
Ga	Applebee-Church Inc	1958-A Monroe Dr, N.E., Atlanta 9, Ga	TR5-7244
Ind	Couchman Conant Inc	1400 N. Illinois St, Indianapolis, Ind	ME5-5313
Mass	Leo C Pelkus & Co., Inc	683 Atlantic Ave, Boston 11, Mass	LI2-1941
Mich	Monahan Standard	351 Indiana Ave, N.W., Grand Rapids 4	GL6-5917
Minn	Volco Co	831 S. 6th St, Minneapolis 4, Minn	FE6-3373
Mo	Fraser D Moore	106 E. 14th St, Kansas City 6, Mo	VI2-3306
NJ	R L Faber & Associates	1246 Broad St, Bloomfield, NJ	
NY	R P Smith Co., Inc	446 James St, Syracuse 3, NY	HO3-2748
Ohio	Anderson-Bolds Co	2012 W. 25th St, Cleveland, Ohio	PR1-7112
Ohio	Cleveland Duplex Machinery Co	14625 Detroit Ave, Lakewood 7, Ohio	AC6-4740
Pa	P & H Distributing Co., Inc	2535 N. 7th St, Harrisburg, Pa	CE6-8001
Pa	Voss Machinery Co	515 S. Main St, Pittsburgh 20, Pa	
Tex	Wallace-Gluck Co	2679 Freewood Dr, Dallas 20, Tex	FL7-7080
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Que, Can	UN6-7367
Foreign	Com Aux D'Enterprises Elec	26 Rue des Annelets, Paris 19, France	
Foreign	D'Entreprises Electromecaniques	26 Rue des Annelets, Paris 19, France	BO75-14
	SHERMAN MFG CO., H B	**22 Barney St, Battle Creek, Mich**	**WO4-7104**
Alaska	McB Co	P.O. Box 1452, Spenard, Alaska	2-4301
Cal	D L Powers	P.O. Box 1145, Whittier, Cal	OW1-4526
Ga	Cobb & Lester Inc	171 Simpson St, N.W., Atlanta, Ga	MU8-3191
Ill	F Glenn Moore	310 N. Stratford Rd, Arlington Heights	CL5-8794
Ind	G M Rano	501 N. Van Buren, Auburn, Ind	1210
Iowa	D A Hutchinson	4116 Franklin Ave, Des Moines 10, Iowa	BL5-5561
Ky	Paul L Taylor	9207 Hunter Rd, Lyndon, Ky	TW5-1131
Mass	George H Read	230 Boylston St, Boston 16, Mass	CO7-8929
Minn	Munyon & Wood	4020 Minnetonka Blvd, Minneapolis 16	WA6-6551
NM	D J Mackey Associates	P.O. Box 868, Albuquerque, NM	
NY	T J Crofton Associates	30 Rockefeller Plaza, New York 20, NY	CI7-5782
Pa	H S Van Rensler	337 Lincoln Ave, Lansdowne, Pa	CL9-4423
Tex	R B Wilber	106 Express St, Dallas 7, Tex	RI8-6145
Wash	William A Watzke	809 Terminal Sales Bldg, Seattle 1, Wash	MA4-6525
Canada	Electronic Components Ltd	14 Plastics Ave, Toronto 18, Ontario	CL9-2379
	SHERMAN PAPER PRODS CORP	**156 Oak St, Newton Upper Falls, Mass**	**LA7-4980**
	SHEROLD CRYSTALS, INC	**1510 McGee St, Kansas City, Mo**	**VI2-9792**
	SHERWOOD ELECTRONIC LABS, INC	**4300 N. California Ave, Chicago 18, Ill**	**IR8-7300**
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham 13,	TR9-7197
Cal	Chas A Hansen	1406 S. Grand Ave, Los Angeles 15, Cal	RI8-6191
Cal	Belchamber & French	1485 Bayshore Blvd, San Francisco 24,	JU6-0406
Colo	Hyde Electronic Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Fla	Maitland K Smith Co	822 Riverside Dr, Ormand Beach, Fla	OR7-2298
Ga	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Ill	Lewis & Trimble Inc	5500 N. Menard Ave, Chicago, Ill	SP4-1444
Ind	Edwin H Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	CL5-1993
Kan	N W Kathrinus & Co	4306 Cambridge Ave, Kansas City 3, Kan	JO2-4108
Mass	Anderson Sales	177 State St, Boston 9, Mass	CA7-2980
Mich	J M Flora Inc	18450 Livernois Ave, Detroit 21, Mich	UN1-8141
Mich	J M Flora Inc	711 Buckingham Ave, S.W., Grand Rapids	LE2-2632
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis 4, Minn	FE6-4808
Mo	N W Kathrinus & Co	4356 Duncan Ave, St Louis 10, Mo	OL2-7005
NM	Hyde Electronic Co	5606 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Land-C-Air Sales Co	140 Marbledale Rd, Tuckahoe, NY	WO1-4700
NY	Land-C-Air Sales Co	151 Fayette Blvd, Syracuse, NY	GR2-5224
NC	Maitland K Smith Co	920 W. Hill St, Charlotte 8, NC	FR6-5950
Ohio	Robt W Peters	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Ore	R Merritt Co	1238 N.W. Gilson, Portland 9, Ore	CA7-7337
Pa	Land-C-Air Sales	4730 Pine St, Philadelphia 43, Pa	GR7-2725
Tex	E L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Utah	Hyde Electronic Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Va	Land-C-Air Sales Co	201 Epsilon Pl, Annandale, Va	JE3-7310
Wash	R Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Wash	R Merritt Co	E. 127 Augusta Ave, Spokane 10, Wash	FA5-2557
Canada	H Rov Gray Ltd	46 Danforth Rd, Toronto 13, Canada	OX1-1131
Canada	R Merritt Co	355 Burrard St, Vancouver 2, B C, Canada	PA3368
	SHIELDALLOY CORP	**Newfield, NJ**	**OX2-4200**
Cal	Gordon Sondraker & Co	4700 E. 48th St, Los Angeles 58, Cal	LU7-2224
Mich	Walter H Fischer	14360 Livernois Ave, Detroit 38, Mich	TO9-2373
NY	Whitehead Metals Inc	303 W. 10th St, New York 14, NY	WA4-1500

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	William N Brand	530 Woodland Ave, Oakmont, Pa	OA2624
Wisc	Wehco Representatives	155 E. Silver Springs Dr, Milwaukee,	ED2-7705
	SHIELDING INC	**P. O. Box 10, Riverton, NJ**	**TA9-1433**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ariz	Williams & Associates	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
Ark	Mitchell Spearis Co	4944 James Ave, Ft. Worth, Tex	WA6-4445
Cal	Carl A Stone & Associates	825 N. San Antonio Rd, Palo Alto, Cal	DA6-0057
Cal	Carl A Stone & Associates	8971 National Blvd, Los Angeles 34, Cal	UP0-7771
Colo	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
DC	J A Maguire Co	29 Alleghany Ave, Towson, Md	VA5-3836
Fla	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2428
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Idaho	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
Ill	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Ind	R Edward Stemm Inc	5681 W. Lake St, Chicago 44, Ill	ES9-2700
Iowa	R Edward Stemm Inc	123 S. Third St, Minneapolis 1, Minn	FE5-7172
La	Mitchell Spearis Co	4944 James Ave, Ft. Worth, Tex	WA6-4445
Md	J A Maguire Co	29 Alleghany Ave, Towson, Md	VA5-3836
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	R Edward Stemm Inc	123 S. Third St, Minneapolis 1, Minn	FE5-7172
Neb	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
Nev	Carl A Stone & Associates	8971 National Blvd, Los Angeles 34, Cal	UP0-7771
NJ	J A Maguire & Co	116 N. Seventh St, Camden, NJ	WO6-3118
NM	Williams & Associates	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NC	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 21, Ohio	EV2-4114
Ohio	S Sterling Co	363 W. First St, Dayton, Ohio	BA8-8794
Okla	Mitchell Spearis Co	4944 James Ave, Ft. Worth, Tex	WA6-4445
Ore	G M Gillett	19690 19th Ave, N.E., Seattle, Wash	PA5-3060
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Pa	J A Maguire Co	116 N. Seventh St, Camden, NJ	WO6-3118
Tenn	J A Maguire & Co	1707 Avondale Dr, Durham, NC	DU2-8717
Tex	Mitchell Spearis Co	4944 James Ave, Ft. Worth, Tex	WA6-4445
Utah	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
Va	J A Maguire Co	29 Alleghany Ave, Towson, Md	VA5-3836
Wash	G M Gillett	19690 19th Ave, N.E., Seattle, Wash	PA5-3060
W.Va	J A Maguire Co	29 Alleghany Ave, Towson, Md	VA5-3836
Wisc	R Edward Stemm Inc	123 S. Third St, Minneapolis 1, Minn	FE5-7172
Wyo	Williams & Associates	2261 S. Albion St, Denver 4, Colo	SK6-9403
Canada	Stark Electronic Sales Co	P.O. Box 670, Ajax, Ontario, Canada	AJ125
Canada	Ben Manis Associates Reg'd	5317 Prince of Wales Ave, Montreal 29, Quebec, Canada	HU6-1475
	SHRADER CO	**11625 S. Broadway, Los Angeles, Cal**	**PL6-9166**
Ariz	Lee Redman Equipment Co	610 S. 19th Ave, Phoenix, Ariz	AL8-3794
Cal	R M Hoffman Co	405 S. Sunnyvale, Sunnyvale, Cal	RE9-6580
Cal	Owen Bucket Co., Ltd	2nd & Gilman Sts, Berkeley 10, Cal	
Colo	Krippner & Polley	1166 Elati St, Denver 4, Colo	
Mo	Syntron Kansas City	2550 Warwick Trfcy, Kansas City 8, Mo	VI2-8880
Ohio	Construction Equipment of Maumee	514 Raymer Blvd, Toledo 5, Ohio	OX3-5451
Ore	Syntron Seattle	430 S.E. 33 Ave, Portland 12, Ore	BE2-5687
Pa	W D Shields Jr	Investment Bldg, Pittsburgh 22, Pa	GR1-6946
Tex	Proler Steel Corp	5200 Clinton Dr, Houston 1, Tex	OR4-8438
Utah	Syntron Salt Lake City	Box 2392, Salt Lake City 10, Utah	HU5-1231
Wash	Syntron Seattle	15233 8 Ave, S., Seattle 88, Wash	CH6250
	SHURE BROTHERS INC	**222 Hartrey Ave, Evanston, Ill**	**DA8-9000**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
Alaska	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Ariz	Jack Berman Co., Inc	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
Ark	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Cal	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
Cal	Jack Berman Co	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
Colo	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Conn	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Del	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
DC	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu 17, Hawaii	83-105
Idaho	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Idaho	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Ill	Harold C Berggren	2011 S. Michigan Ave, Chicago 16, Ill	CA5-1450
Ill	W H Ellinger Sales Co	6571 N. Olmstead, Chicago 31, Ill	RO3-4154
Ill	Oren H Smith Co	225 W. Huron St, Chicago 10, Ill	SU7-7919
Ill	Forristal Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Ind	Harold C Berggren	2011 S. Michigan Ave, Chicago 16, Ill	CA5-1450
Ind	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Iowa	W H Ellinger Sales Co	6571 N. Olmstead, Chicago 31, Ill	RO3-4154
Iowa	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Kan	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Ky	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Me	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Md	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Mass	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Mich	Lee & Hale Co	10432 W. McNichols, Detroit 21, Mich	UN3-4161
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Miss	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Mo	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Mont	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Mont	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Neb	Forristal-Young Sales Co	8147 Delmar Blvd, St. Louis 24, Mo	PA5-7701
Neb	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Nev	E L Berman Co	450 9th St, San Francisco 3, Cal	UN3-0317
NH	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
NJ	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NM	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
NY	F Edwin Schmitt Co	136 Liberty St, New York 6, NY	WO2-6550
NY	S W Simberkoff	68 Hudson St, Hoboken, NJ	OL6-5211
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
ND	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Ore	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Pa	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
RI	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta 5, Ga	TR6-0919
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Utah	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
Vt	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
W. Va	Samuel K MacDonald Inc	1531 Spruce St, Philadelphia 2, Pa	KI5-1205
Wisc	W H Ellinger Sales Co	6571 N. Olmsted, Chicago 31, Ill	RO3-4154
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Wyo	Ralph S Stevenson	2045 Walker Ln, Salt Lake City 17, Utah	CR7-2515
	SHURITE METERS	**130 Wallace St, New Haven, Conn**	**ST7-5826**
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Alaska	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Ariz	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Cal	F W Mouthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Cal	Howard M Saul & Associates	5015 San Vicente Blvd, Los Angeles	WE8-3591
Colo	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Conn	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
DC	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Hawaii	Hastin & Browne	235 Cook St, Honolulu 5, Hawaii	998910
Idaho	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Ill	Instrument Sales Co	3947 W. Lawrence Ave, Chicago 25, Ill	CO7-4646
Ind	Walter W Brebenich & Sons	2817 Plaza Dr, Fort Wayne 5, Ind	KE2928
Iowa	Instrument Sales Co	3947 W. Lawrence Ave, Chicago 25, Ill	CO7-4646
Ky	Charles H Dolfuss Jr & Co	21 St & Payne Ave, Cleveland 14, Ohio	PR1-1270
Me	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Md	Massey Associates	111 Centerway, Greenbelt, Md	
Mass	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Mich	Henschen-Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mont	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Nev	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
NH	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
NJ	D F Tobias & Co	P.O. Box 222, Syracuse, NY	GI6-0422
NM	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
NY	D F Tobias & Co	30 Church St, New York 7, NY	CO7-4349
NY	Frank W Taylor Co., Inc	P.O. Box 222, Syracuse, NY	GI6-0422
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Ohio	Charles H Dolfuss Jr & Co	21 St & Payne Ave, Cleveland 14, Ohio	PR1-1270
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	Wm Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Pa	Gene S Root & Co	733 Vallevista Ave, Pittsburgh 34, Pa	LO1-4125
RI	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta, Ga	TR6-0919
Utah	A J Nelson Co	710 E. Louisiana Ave, Denver 10, Colo	PE3-5528
Vt	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Va	Massey Associates	111 Centerway, Greenbelt, Md	
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
W.Va	Gene S Root & Co	733 Vallevista Ave, Pittsburgh 34, Pa	LO1-4125
	SIBLEY CO., THE	**Hadden, Conn**	**DI5-4523**
Cal	Temp Martin	1824 S. Burlington Ave, Los Angeles 6	RI9-6144
Conn	R S Pettigrew & Co	10 N. Main St, W., Hartford, Conn	AD3-8533
Fla	Repco Sales	401 N.W. 71st St, Miami 38, Fla	PL7-2911
Mass	Merrill Whiston	348 Beacon St, Boston, Mass	KE6-8917
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
NJ	Murray Sales Co	25 W. Northfield Rd, Livingston, NJ	WY2-0520
NY	Joseph Scanlon	51 Bloomfield Pl, Rochester 20, NY	GR3-7553
NY	Norbert Thomas	101 Woods Rd, N. Syracuse, NY	HA2-0194
	SICKLES F W DIV GENERAL INSTRUMENT CORP	**165 Front St, Chicopee, Mass**	**RE3-6621**
Ala	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
Alaska	James J Backer Co	221 W. Galar St, Seattle 99, Wash	
Ariz	General Instrument Corp	11982 Wilshire Blvd, Los Angeles, Cal	GR8-0978
Cal	General Instrument Corp	11982 Wilshire Blvd, Los Angeles, Cal	GR8-0978
Cal	Logan & Stone Co	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
Conn	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hgts, Mass	HI4-7925
DC	Electronic Specialties Co	P.O.Box 5516, Washington, DC	
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
Fla	Chris B Small	P.O.Box 1346, Orlando, Fla	GA4-2071
Ga	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
Idaho	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Idaho	James J Backer Co	221 W. Galar St, Seattle, Wash	
Ill	General Instrument Corp	5249 W. Diversey Ave, Chicago 39, Ill	NA2-6140
Ind	Edmond B Tyler	2618 East Dr, Ft. Wayne, Ind	AN7344
Iowa	General Instrument Corp	5249 W. Diversey Ave, Chicago 39, Ill	NA2-6140
La	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Me	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hgts, Mass	HI4-7925
Md	Phil Lepofsky	1345 Kimberly Dr, Philadelphia, Pa	GR7-0560
Mich	Edmond B Tyler	2618 East Dr, Ft. Wayne, Ind	AN7344
Minn	Kemp-Manning Sales	2295 University Ave, St. Paul, Minn	MI5-4637
Minn	Russ G Ragon	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6337
Miss	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
Mont	James J Backer Co	221 W. Galar St, Seattle, Wash	
NC	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
ND	Russ G Ragon	1406 W. Idaho Ave, St. Paul, Minn	MI6-6337
Nev	Logan & Stone	1485 Bayshore Blvd, San Francisco, Cal	DE4-1200
NH	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hgts, Mass	HI4-7925
NJ	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
NM	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1674
NM	Williams & Associates	3221 Silver Ave, Albuquerque, NM	AL5-9632
NY	Donert Associates	353 W. 57th St, New York, NY	CI6-2360
NY	Stampress Engineering Co	468 Monroe Ave, Rochester 2, NY	GR3-5423
NY	J K McDonough Associates	2070 Sheridan Dr, Kenmore, NY	LI5596
Ohio	G & H Sales Co	P.O.Box 416, Cincinnati, Ohio	JE1-0553
Okla	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash	
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
RI	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hgts, Mass	HI4-7925
SC	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
SD	Russ G Ragon	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
Tenn	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
Tex	Southwest Electronic Ind	4515 Prentice St, Dallas, Tex	EM3-1671
Va	J E Joyner Associates	P.O.Box 10821, Sta A, Atlanta, Ga	
Vt	Todino Engineering Sales Inc	50 Kearney Rd, Needham Hgts, Mass	HI4-7925
Wash	James J Backer Co	221 W. Galar St, Seattle 99, Wash	
W. Va	Electronic Specialties Co	P.O.Box 5516, Washington 16, DC	
Wisc	Russ G Ragon	1406 W. Idaho Ave, St. Paul 13, Minn	MI6-6937
	SIDCO	**1729 W. Washington, Venice, Cal**	
Cal	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View	YO7-5531
Colo	Cox Sales Co	P.O. Box 4201, S. Denver Sta, Denver	PE3-6772
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Morton L Friedman Co	2814 Balmoral Ave, Chicago 25, Ill	LO1-4257
Ind	Fishman Associates	1836 Nottingham Dr, Indianapolis, Inc	LI6-5477
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Mich	J Malcolm Flora Inc	Territorial at Ridgewood, Plymouth	GL3-4296
Mo	Collins-Havercamp Associates	6857 N. Main St, Kansas City 16, Mo	GL3-4497
NY	Willgold Electronic Sales Co	100 N. Village Ave, Rockville Centre, NY	RO4-4022
NY	James C Schnitter	109 Easton Ave, Buffalo 15, NY	HU6551
Ohio	Les A Morrow Co	3123 W. 117 St, Cleveland 11, Ohio	CL1-5700
Pa	Wm P Eberle	RD 1, Lewrsberry, Pa	PO6-3995
Pa	Richard A Vandervort	530 Sixth Ave, Pittsburgh, Pa	EX1-1120
Tex	Packard Associates	Love Field Air Term Bldg, Dallas 35	FL7-5713
Wash	William R Lanphear Co	3215 Western Ave, Seattle 1, Wash	AT4-8150
	SIEMON MFG CO	**P. O. Box 275, Wayne, Ill**	
	SIERRA ELECTRIC CORP	**15100 S. Figueroa St, Gardena, Cal**	**FA1-1000**
	SIERRA ELECTRONIC CORP	**3885 Bohannon Dr, Menlo Park, Cal**	**DA6-2060**
Ala	Bivins & Caldwell	3133 Maple Dr, Atlanta, Ga	CE3-7522
Ariz	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Ark	Earl Lipscomb Associates	P.O.Box 7084, Dallas, Tex	FL7-1881
Cal	T Louis Snitzer Co	7814 Ivanhoe Ave, La Jolla, Cal	GL4-2191
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Cal	T Louis Snitzer Co	510 S. Mathilda Ave, Sunnyvale, Cal	RE6-6733
Colo	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
Conn	Broger Instrument Sales	443 Winthrop Ave, New Haven, Conn	SP7-6279
Del	Brimberg Associates	1511 K St, N.W., Washington, DC	DE2-8000
DC	Brimberg Associates	1511 K St, N.W., Washington, DC	DE2-8000
Fla	Bivins & Caldwell	P.O.Box 7942, Orlando, Fla	CW1-1091
Ga	Bivins & Caldwell	3133 Maple Dr, Atlanta, Ga	CE3-7522
Hawaii	Arva Inc	P.O.Box 135, Honolulu, Hawaii	506095
Idaho	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	BR4-9135
Ind	Pivan Engineering Co	6055 N. College Ave, Indianapolis, Ind	CL3-0444
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	BR4-9135
Kan	Leeblark Associates Inc	P.O.Box 8467, Kansas City, Mo	HI2-3313
Ky	Bivins & Caldwell	P.O.Box 5187, High Point, NC	HI2-6873
La	Earl Lipscomb Associates	P.O.Box 7084, Dallas, Tex	FL7-1881
Me	Broger Instrument Sales	48 Pearl St, Brookline, Mass	BE2-4804
Md	Brimberg Associates	1511 K St, N.W., Washington, DC	DE2-8000
Mass	Broger Instrument Sales	48 Pearl St, Brookline, Mass	BE2-4804
Mich	Ashby Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Minn	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	BR4-9135
Miss	Earl Lipscomb Associates	P.O.Box 7084, Dallas, Tex	FL7-1881
Mo	Leeblark Associates Inc	P.O.Box 8467, Kansas City, Mo	HI2-3313
Mo	Leeblark Associates Inc	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Mont	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Mont	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
Neb	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
NC	Bivins & Caldwell	P.O.Box 5187, High Point, NC	HI2-6873
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
NH	Broger Instrument Sales	48 Pearl St, Brookline, Mass	BE2-4804
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
Ohio	Ashby Associates	Talbott Towers, Dayton, Ohio	BA8-8661
Ohio	Ashby Associates	304 Oak Knoll, S.E., Warren, Ohio	EX3-8950
Okla	Earl Lipscomb Associates	P.O.Box 7084, Dallas, Tex	FL7-1881
Ore	Arva Inc	1238 N.W. Glisan, Portland, Ore	CA2-7337
Pa	Ashby Associates	304 Oak Knoll, S.E., Warren, Ohio	EX3-8950
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	WA7-1820
RI	Broger Instrument Sales	443 Winthrop Ave, New Haven, Conn	SP7-6279
SC	Bivins & Caldwell	P.O.Box 5187, High Point, NC	HI2-6873
Tenn	Bivins & Caldwell	3133 Maple Dr, Atlanta, Ga	CE3-7522
Tex	Earl Lipscomb Associates	P.O.Box 7084, Dallas, Tex	FL7-1881
Utah	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
Vt	Broger Instrument Sales	48 Pearl St, Brookline, Mass	BE2-4804
Va	Bivins & Caldwell	P.O.Box 6514, Richmond, Va	EL5-7931
Va	Brimberg Associates	1511 K St, N.W., Washington, DC	DE2-8000
Wash	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
W. Va	Ashby Associates	304 Oak Knoll, S.E., Warren, Ohio	EX3-8950
W. Va	Bivins & Caldwell	P.O.Box 5187, High Point, NC	HI2-6873
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago, Ill	BR4-9135
Wyo	Williams & Associates	2261-63 S. Albion St, Denver, Colo	SK6-9403
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco, Cal	EX2-6112
	SIERRA ENGINEERING CO	**123 E. Montecito, Sierra Madre, Cal**	**MU1-9391**
	SIERRA RESEARCH CORP	**P. O. Box 22, Buffalo 25, NY**	**NF2-8823**
	SIFCO METACHEMICAL INC	**935 E. 63 St, Cleveland 3, Ohio**	**UT1-8600**
Cal	Piddington & Associates Ltd	3219 E. Foothill Blvd, Pasadena, Cal	SY5-8029
NY	Marlane Development Co	153 E. 26th St, New York 10, NY	MU5-9427
Ohio	Ohio Metachemical Inc	2742 2nd St, Cuyahoga Falls, Ohio	WA8-4891

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Canada	D & S Aviation Co Ltd	671 Laurentides Blvd, Quebec, Canada	DU9-3801
Foreign	Metachemical Processes Ltd	41-43 Gatwick Rd, Crawley Sussex, Eng	CR2-5241
	SIGHTMASTER CORP	**50 Aleppo St, Providence, RI**	**TE1-6200**
Ala	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Alaska	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Ariz	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	EM8-3819
Ark	Antle-Smith Sales Co	P.O. Box 35402, Dallas, Tex	FL7-7279
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	EM8-3819
Colo	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
Conn	Henry P Segel	386 Washington St, Brookline, Mass	BE2-7525
Fla	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Ga	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Idaho	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
Ill	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill	BE5-6601
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis, Ind	BR1993
Iowa	Carmine Vignola	P.O. Box 569, Jefferson City, Mo	5-1023
Kan	Carmine Vignola	P.O. Box 569, Jefferson City, Mo	5-1023
Ky	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis, Ind	BR1993
La	Antle-Smith Sales Co	P.O. Box 35402, Dallas, Tex	FL7-7279
Me	Henry P Segel	386 Washington St, Brookline, Mass	BE2-7525
Mass	Henry P Segel	386 Washington St, Brookline, Mass	BE2-7525
Mich	Burcaw-Cowan & Co	22128 Grand River Ave, Detroit, Mich	KE3-7700
Minn	Ray Ripley	6937 Penn Ave, S., Minneapolis, Minn	UN6-8682
Miss	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Mo	Carmine Vignola	P.O. Box 569, Jefferson City, Mo	5-1023
Mont	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
Neb	Carmine Vignola	P.O. Box 569, Jefferson City, Mo	5-1023
Nev	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	EM8-3819
NH	Henry P Segel	386 Washington St, Brookline, Mass	BE2-7525
NM	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
NY	Arthur F Schultz	96 Oxford Rd, New Hartford, NY	UT2-3266
NC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
ND	Ray Ripley	6937 Penn Ave, S., Minneapolis, Minn	UN6-8682
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Okla	Antle-Smith Sales Co	P.O. Box 35402, Dallas, Tex	FL7-7279
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
RI	Henry P Segel	386 Washington St, Brookline, Mass	BE2-7525
SC	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
SD	Ray Ripley	6937 Penn Ave, S., Minneapolis, Minn	UN6-8682
Tenn	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Tex	Antle-Smith Sales Co	P.O. Box 35402, Dallas, Tex	FL7-7279
Utah	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
Vt	Henry P Segel	386 Washington St, Brookline, Mass	BE5-7525
Va	Paul Hayden Associates	P.O. Box 331, East Point, Ga	PO6-0261
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
W. Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland, Ohio	HI2-8340
Wisc	Louis G Bacher & Associates	4216 W. Division St, Chicago, Ill	BE5-6601
Wyo	Raymond E Vinson	P.O. Box 8363, Denver, Colo	SU9-2851
Canada	John R Tilton Ltd	51 McCormack St, Toronto, Ontario, Can	RO9-1129
Canada	Fred H Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
	SIGMA INSTRUMENTS INC	**180 Pearl St, S. Braintree 85, Mass**	**YU3-5000**
Ariz	E V Roberts & Associates Inc	909 N. First St, Phoenix, Ariz	AL4-4664
Cal	E V Roberts & Associates Inc	5068 W. Washington Blvd, Los Angeles 16	WE8-2541
Cal	E V Roberts & Associates Inc	1560 Laurel St, San Carlos, Cal	LY3-7879
Cal	E V Roberts & Associates Inc	4379 Thirtieth St, San Diego 4, Cal	AT1-6787
Colo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
DC	Naudain-Bohaker & Co	P.O.Box 3024, Alexandria, Va	TE6-6114
Fla	Buchanan & Abrams Associates	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Ill	R M Hill / G E Gray Inc	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ind	Leslie M DeVoe Co	4010 Washington Blvd, Indianapolis, Ind	AT3-1395
Iowa	David R Hausten	607 E. Willow Ave, Wheaton, Ill	WH8-7312
Md	Naudain-Bohaker & Co	7301 York Rd, Towson 4, Md	VA5-5492
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis 16	WE9-6727
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
NM	Allen I Williams	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	O F Mason Co	1 Wolff's Ln, Pelham 65, NY	PE8-4510
NY	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	H C Johnson Agencies Inc	9 Ivan Ln, Binghamton, NY	BI3-5889
NY	H C Johnson Agencies Inc	422 Niagara Falls Blvd, Buffalo 23, NY	
NY	H C Johnson Agencies Inc	P.O.Box 86, Brandywine Sta, Schenectady	FR4-5901
NY	H C Johnson Agencies Inc	Fayetteville, NY	NE7-9383
NC	Missiletronics Inc	P.O.Box 6086, Charlotte 2, NC	FR7-1922
Ohio	Technical Associates	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Ohio	James W Murray	3985 Race Rd, Cincinnati 11, Ohio	HU1-9726
Ore	Arva	1238 N.W. Glisan, Portland 9, Ore	CA2-7337
Pa	Naudain-Bohaker & Co	846 Suburban Sta Bldg, Philadelphia 3	LO4-3194
Tenn	Lyman Winn	1677 E. Beard Pl, Memphis 12, Tenn	BR6-2317
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	FL7-4095
Utah	Allen I Williams Co	320 E. 4th S. St, Salt Lake City, Utah	EM-6844
Wash	Arva	1320 Prospect St, Seattle 9, Wash	MA2-0177
Canada	D T Shaw Co	2340 Lucerne Rd, Montreal 16, Que	RI8-7010
Canada	D T Shaw Co	Box 33 Weston, Toronto, Ontario, Canada	CH4-6072
Canada	Arva	355 Burrard St, Vancouver 1, BC, Canada	MU2-4323
Foreign	Terry Ferraris & Co	Via S. Martino 14, Milan, Italy	
	SIGNAL EQUIPMENT CO., INC	**2706 3rd Ave, Seattle 1, Wash**	**MAA-4712**
	SIGNAL INDICATOR CORP	**42 Stewart Ave, Brooklyn 37, NY**	**HY7-5020**
Ala	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Alaska	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ariz	Jack Berman Co	8146 N. First Ave, Phoenix, Ariz	WH5-9321
Ark	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Cal	F W Mouthrop Co	575 Tenth St, San Francisco, Cal	UN3-0445
Cal	Jack Berman Co	1141 S. La Cienega Blvd, Los Angeles	OL5-8920
Colo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami, Fla	WI5-2962
Fla	Cartwright & Bean	P.O.Box 583, Orlando, Fla	GA5-88284
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta, Ga	CE2273
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Ill	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ind	Southern Sales Co	P.O. Box 105, Angola, Ind	AN777
Iowa	J T Harsey	2120 Greenwood Ave, S.E., Cedar Rapids	CE2-2031
Kan	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Ky	Southern Sales Co	P.O. Box 105, Angola, Ind	AN777
La	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Me	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit, Mich	TO8-3322
Minn	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Mo	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
Neb	F C Somers Co	17th & Main St, Kansas City, Mo	GR1-1355
Neb	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Nev	F W Mouthrop Co	575 10th St, San Francisco, Cal	UN3-0445
Nev	Jack S Berman Co	1141 La Cienega Blvd, Los Angeles, Cal	OL5-8920
NH	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
NJ	F F Sylvester Co	649 Morris Ave, Springfield, NJ	BR6-3324
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque,	AM8-1111
NY	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
NC	Cartwright & Bean	P.O. Box 5203, Plaza Sta, Charlotte, NC	FR6-8648
ND	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Ohio	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	HA0589
Okla	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Ore	Burt C Porter Co	P.O. Box 7854, Portland, Ore	AT4-1718
Pa	Paul Sales Co	26009 Broadway, Fort Wayne, Ind	HA0589
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Pa	Arthur Perkins	639 S. Warren St, Syracuse, NY	GR1-8828
RI	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
SC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
SD	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Tex	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	FL7-4095
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Va	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
W.Va	Paul Sales Co	2609 Broadway, Fort Wayne, Ind	HA0589
Wisc	Hill-Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wisc	R G Ragon Inc	1406 W. Idaho Ave, St. Paul, Minn	MI6-6937
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver, Colo	WE6-3455
Canada	Lake Engineering Co Ltd	123 Manville Rd, Scarborough, Ont, Can	PL7-3253
Canada	Burt C Porter Co	1209 Poplar Pl, Seattle, Wash	EA3-8330
	SIGNAL TRANSFORMER CO	**1661 McDonald Ave, Brooklyn 30, NY**	**ES6-0615**
	SIGNALITE INC	**37-41 Neptune Hwy, Neptune, NJ**	**PR5-2490**
	SILICON TRANSISTOR CORP	**150 Glen Cove Rd, Carle Place, NY**	**PI2-4100**
Ala	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Alaska	Northwestern Agencies	4130-1st Ave, S., Seattle 4, Wash	EL8882
Ariz	Jack Berman Co	8146 N. 1st Ave, Phoenix, Ariz	WH5-9321
Ark	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	EM3-3452
Cal	Jack Berman Co	1141 S. LaCienega Blvd, Los Angeles,	OL5-8920
Cal	F W Mouthrop Co	575 10th St, San Francisco 3, Cal	MA1-0722
Conn	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Del	Danco Corp	Fairview Village, Pa	CH8-1619
DC	Danco Corp	Fairview Village, Pa	CH8-1619
Fla	Frank C Nickerson Co	Box 7913, Orlando, Fla	MI4-4413
Ga	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Idaho	Northwestern Agencies	4130-1st Ave, S., Seattle 4, Wash	EL8882
Ill	D Dolin Sales	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
La	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	EM3-3452
Me	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Md	Danco Corp	Fairview Village, Pa	CH8-1619
Mass	Henry Lavin Associates Inc	82 Curve St, Needham, Mass	HI4-3446
Mich	R C Nordstom & Co	Briggs Bldg, Birmingham, Mich	JO4-6128
Minn	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Miss	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Mont	Northwestern Agencies	4130-1st Ave, S., Seattle 4, Wash	EL8882
Neb	R W Farris Co., Inc	406 W. 34th St, Kansas City 11, Mo	PL3-5350
Nev	Jack Berman Co	1141 S. LaCienega Blvd, L A 35, Cal	OL5-8920
NH	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
NJ	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NY	Naylor Electric Co., Inc	1718 Erie Blvd, E., Syracuse 3, NY	GR2-9183
NY	Harold Gray Associates	46 Tenafly Rd, Tenafly, NJ	LO7-3585
NC	Frank C Nickerson Co	2334 Orton St, Charlotte 8, NC	
ND	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	EM3-3452
Ore	Northwestern Agencies	2941 N.W. Quimby St, Portland 10, Ore	CA7-5004
Pa	Danco Corp	Fairview Village, Pa	BR5-2600
RI	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
SC	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
SD	Fred Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Tenn	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Tex	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	EM3-3452
Vt	Henry Lavin Associates Inc	P.O. Box 196, Meriden, Conn	BE7-5527
Va	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Wash	Northwestern Agencies	4130-1st Ave, S., Seattle 4, Wash	EL8882
W. Va	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2572
Wisc	D Dolin Sales	5219 N. Hopkins St, Milwaukee 9, Wisc	
Canada	A T R Armstrong Ltd	Box 38, Sta D, Toronto 9, Ontario, Canada	RO2-7535
	SILICONE INSULATION INC	**1385 Seabury Ave, Bronx 61, NY**	**SY3-4400**
	SILICONE SEALS INC	**3694 Milwaukee Ave, Chicago 41, Ill**	**AV2-3787**
	SILICONES DIV UCC	**270 Park Ave, New York 17, NY**	**LL1-2345**
Cal	Union Carbide Corp	2770 Leonis Blvd, Vernon, Cal	LU3-3061
Ga	Union Carbide Corp	1371 Peachtree St, N.E., Atlanta 9, Ga	TR3-2241
Ill	Union Carbide Corp	230 N. Michigan Ave, Chicago 1, Ill	FI6-3300
Mass	Union Carbide Corp	300 First Ave, Boston 94, Mass	HI4-5400
Mich	Union Carbide Corp	10421 W. 7 Mile Rd, Detroit 21, Mich	DI1-3131
NJ	Union Carbide Corp	Pleasant Valley Rd, Morrestown, NJ	BE5-6200
Ohio	Union Carbide Corp	1300 Lakeside Ave, Cleveland 14, Ohio	MA1-4202
Pa	Union Carbide Corp	644 Oliver Bldg, Pittsburgh 22, Pa	EX1-3800
Tex	Union Carbide Corp	1511 Bryan St, Dallas 1, Tex	RI1-9176
	SILLCOCKS-MILLER CO	**Maplewood, NJ**	**SO2-4171**
	SIMMONDS AEROCESSORIES INC	**105 White Plains Rd, Tarrytown, NY**	**ME1-7500**
Ala	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton 19, Ohio	AX8-6011
Alaska	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Ariz	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Ark	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton 19, Ohio	AX8-6011
Cal	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale 4, Cal	CI1-7773
Cal	Simmonds Aerocessories Inc	4514 Morrel St, San Diego 9, Cal	BR4-3940
Colo	Simmonds Aerocessories Inc	214 Amer Bank & Trust, Dallas, Tex	WH3-9224
Fla	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Ga	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Hawaii	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Idaho	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Ill	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Ind	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Iowa	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Kan	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Ky	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
La	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Mich	Simmonds Aerocessories Inc	20131 James Couzens, Detroit, Mich	BR3-7651
Minn	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Miss	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Mo	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Mont	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Neb	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Nev	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
NM	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
ND	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Ohio	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Okla	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Ore	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
SD	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Tenn	Simmonds Aerocessories	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Tex	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Utah	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Wash	Simmonds Aerocessories Inc	1515 S. Gardena Ave, Glendale, Cal	CI1-7773
Wisc	Simmonds Aerocessories Inc	2801 Far Hills Ave, Dayton, Ohio	AX8-6011
Wyo	Simmonds Aerocessories Inc	214 Am Bank & Trust Bldg, Dallas, Tex	WH3-9224
Canada	Simmonds Aero Can Ltd	637 Parkdale Ave, N., Hamilton, Ontario	LI9-1381
Foreign	Simmonds Aerocessories Inc	3 W. Park Rd, Kew Gardens, Richmond, Surry, England	PR7442
	SIMMONS FASTENER CORP	**1752 N. Broadway, Albany 1, NY**	**HO2-5431**
Ark	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL2-6084
Cal	Pelham Corp	5245 San Fernando Rd, W., Los Angeles	CH5-1181
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Conn	Charles Bent Co	120 Liberty St, New York, NY	RE2-7497
Del	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
DC	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
Ill	N C Bennett	5306 W. Lawrence Ave, Chicago, Ill	SP7-9009
Ind	Robert Morrison	525 W. Main St, Richmond, Ind	7-0077
Iowa	Francis A Noll	1200 20th St, S.W., Cedar Rapids, Iowa	EM4-3271
Kan	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Ky	A C Wahl Co	121 Mill St, Cincinnati, Ohio	VA1-3270
La	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas, Tex	FI2-6084
Me	White Sales Co	945 Great Plain Ave, Needham, Mass	HI4-3676
Md	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
Mass	White Sales Co	945 Great Plain Ave, Needham, Mass	HI4-3676
Mich	W T Peterson Co	16950 Harper Ave, Detroit, Mich	TU4-2530
Minn	R E Kenny	5009A Excelsior Blvd, Minneapolis, Minn	WA6-6000
Mo	Zak-Cowen & Associates	7730 Carondelet, St. Louis 5, Mo	PA7-8559
Nev	Pelham Corp	5245 San Fernando Rd, W., L A, Cal	CH5-1181
NH	White Sales Co	945 Great Plain Ave, Needham, Mass	HI4-3676
NJ	Charles Bent Co	120 Liberty St, New York, NY	RE2-7497
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
NY	Charles Bent Co	120 Liberty St, New York, NY	RE2-7497
Ohio	Dwight Ransdell	550 W. Townsview Circle, Mansfield, Ohio	SK6-4556
Ohio	A C Wahl Co	121 Mill St, Lockland, Cincinnati, Ohio	VA1-3270
Okla	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL2-6084
Ore	Pelham Corp	5245 San Fernando Rd, W., L A, Cal	CH5-1181
Pa	Lowry-Dietrich	703 Clairton Blvd, Pittsburgh 36, Pa	TU1-2228
Pa	C H Stratton Co	514 E. Wadsworth St, Philadelphia, Pa	CH7-7869
RI	White Sales Co	945 Great Plain Ave, Needham, Mass	HI4-3676
Tex	Teves-Barrier Inc	2712 W. Mockingbird Ln, Dallas, Tex	FL2-6084
Utah	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Vt	White Sales Co	945 Great Plain Ave, Needham, Mass	HI4-3676
Wash	Pelham Corp	5245 San Fernando Rd, W., L A, Cal	CH5-1181
Wisc	C E Melcher Co	4770 N. 19th Pl, Milwaukee, Wisc	CO4-7100
Wyo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
	SIMPLATROL PRODUCTS CORP	**24 Salisbury St, Worcester, Mass**	**PL6-8363**
Cal	W H DeMar Co	3925 W. Stauson Ave, Los Angeles 43, Cal	AX3-5301
Cal	Dean Lewis Associates	4444 Piedmont Ave, Oakland 11, Cal	OL4-0613
Colo	Hubert Kaub & Co	1025 Santa Fe Dr, Denver 4, Colo	MA3-4606
Ill	Frank W Yarline & Co	20 N. Wacker Dr, Chicago, Ill	ST2-0347
Ind	A R Young Co., Inc	520 N. Dorman St, Indianapolis, Ind	ME6-6351
Ky	Charles Gipperich Jr	P.O. Box 386, Louisville, Ky	GL4-4036
Md	Durling Electric Co	301 E. 25th St, Baltimore, Md	
Mass	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Mich	Carl D Miller & Son	P.O. Box 36, Grosse Ile, Mich	DU6-0900
Mo	Allied Transmission Equipment Co	2057 Holmes, Kansas City, Mo	GR1-5506
Mo	James B Flaherty & Co	P.O. Drawer D, St. Louis 19, Mo	WO2-8200
NJ	F A MacPherson Co	P.O. Box 421, Westfield, NJ	AD3-3977
NY	Paul D Aaron	Port Washington Blvd, Port Washington,	PO7-8480
NY	Keller Industrial Products	217 East Ave, Rochester, NY	HA6-3255
NY	Keller Industrial Products	Buffalo, NY	RI3938
NY	Keller Industrial Products	216 Dewitt Rd, Syracuse, NY	GI6-2780
Ohio	Gil Cutterson Co	15104 Detroit Ave, Cleveland, Ohio	AC1-8666
Ohio	Willey-Wray Electric Co	1523 Central Pkwy, Cincinnati 14, Ohio	PA1-4720
Pa	W D Shields Jr	Investment Bldg, Pittsburgh 22, Pa	GR1-6946
Pa	John C Whiddett Co	7714 W. Chester Pike, Upper Darby, Pa	TR6-6400
Tex	Koch Engineering & Sales Co	309 Meadows Bldg, Dallas, Tex	EM8-2652
Utah	Electrical Sales Co	818 E. 21st St, Salt Lake City, Utah	HU5-0531
Wash	C B Parsons & Co	3028 First Ave, Seattle 1, Wash	MU2-6780

	SIMPLEX WIRE & CABLE CO	**79 Sidney St, Cambridge 39, Mass**	**KI7-9000**
	SIMPLICITY TOOL CO	**2850 N. Mississippi Ave, Portland, Ore**	
	SIMPSON ELECTRIC CO DIV AMERICAN GAGE & MACHINE CO	**5218 W. Kinzie St, Chicago 44, Ill**	**ES9-1121**
Cal	Lynch C R & Son	3907 Glendale, Los Angeles, Cal	NO3-8236
Cal	Purdy W J & Associates	312 Seventh St, San Francisco, Cal	UN3-3300
Colo	Bowen R G Co	721 S. Broadway, Denver, Colo	RA2-4641
Conn	Sturgeon P R Inc	Box 170, Milford, Conn	TR4-6080
DC	S K MacDonald Inc	14th & Pk Rd, Washington, DC	CO5-3938
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga	CE7-2273
Ga	Murphy & Cota	2110 Peachtree St, N.W., Atlanta, Ga	TR6-3020
Ill	Hill-Blair Inc	549 W. Washington Blvd, Chicago, Ill	AN3-6420
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Kan	Kathrinus N W & Co	4306 Cambridge Ave, Kansas City, Kan	JO2-4108
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	AU2264
Md	MacDonald S K Inc	2016 Winford Rd, Baltimore, Md	ID5-1760
Mass	Sturgeon P R Inc	25 Huntington Ave, Boston, Mass	CO6-7705
Mich	Merchant R C Co	18411 W. McNichols Rd, Detroit, Mich	KE5-6000
Minn	Foster M E	2401 Hennepin Ave, Minneapolis, Minn	FR4-2612
Mo	Kathrinus N W & Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
NM	Bowen R G Co	2228A San Mateo Blvd, Albuquerque, NM	AL5-4603
NY	Wink W	235 Hendricks Blvd, Buffalo, NY	AM6426
NY	Simpson Instrument Sales Inc	130 Cutter Mill Rd, Great Neck, NY	HU2-3103
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
NC	Murphy & Cota	221 Latta Arcade, Charlotte, NC	FR5-2317
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	Baehr Greenleaf & Associates	7960 Mitchell Farm Ln, Cincinnati, Ohio	TW1-3847
Ohio	Baehr Greenleaf & Associates	14700 Detroit Ave, Cleveland, Ohio	AC1-9030
Ohio	Baehr Greenleaf & Associates	3350 Maplewood Dr, Xenia, Ohio	CH4-5485
Ore	Burcham D H Co	510 N.W. 19th Ave, Portland, Ore	CA6-4148
Pa	MacDonald S K Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Pa	MacDonald S K Inc	335 Fifth Ave, Pittsburgh, Pa	AT1-2253
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR6-4442
Tex	Schoonmaker J Y Co	5328 Redfield St, Dallas, Tex	LA6-7238
Tex	Schoonmaker J Y Co	2507 Rodney St, Houston, Tex	HU6-4611
Tex	Schoonmaker J Y Co	423 Gilbert Ln, San Antonio, Tex	DI4-4295
Utah	Bowen R G Co., Inc	5175 S. 4650 W., Kearns, Utah	CY8-5533
Wash	Burcham D H Co	422 First St, W., Seattle, Wash	AT4-7297
Wisc	Dickinson E A & Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
Canada	Bach-Simpson Ltd	109 Eglinton Ave, Toronto, Canada	MO2585
Foreign	Bach-Simpson Ltd	1255 Brydges St, London, England	GLI-9490
	SIMPSON MFG CO., INC., MARK	**32-28-49th St, Long Island City 3, NY**	**YE2-3400**
Cal	Bernard L Cahn Co	420 Market St, San Francisco 11, Cal	
Cal	Eddie Colman & Associates	1503 S. Maple Ave, Los Angeles 15, Cal	
Colo	Stan Clubhf & Associates	75 S. Cody Ct, Denver 5, Colo	
Ga	Paul Hayden Associates	P.O. Box 331, E. Point, Ga	
Hawaii	Dougherty Enterprises	149 Kaimi St, Lanikai, Hawaii	
Ill	A H Bruning Co	1758 W. Lawrence Ave, Chicago 40, Ill	
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis 20, Ind	
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	
Mich	Larry Zaffina	7351 Gratiot Ave, Detroit 13, Mich	
Minn	Hammond Co	3324 Hiawatha Ave, Minneapolis 6, Minn	
Mo	Paul G Scholz	210 W. 8th St, Kansas City 6, Mo	
NJ	Simberkoff Sales Co	68 Hudson St, Hoboken, NJ	
NY	Arthur M Harris	42-34 195th St, Flushing 58, NY	
Ohio	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland 20, Ohio	
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh, Pa	
Tex	Hal F Corry Co	6313 Hillcrest Ave, Dallas 5, Tex	
Wash	William R Lanphear Co	3215 Western Ave, Seattle 1, Wash	
Canada	Emerson Record Sales Ltd	154 Alexander St, Vancouver 4, B C, Canada	
	SIMS CASTINGS CORP	**2174 E. Erie Blvd, Syracuse 3, NY**	**GR2-2489**
	SINCLAIR MFG CO	**Chartley, Mass**	**1-2627**
	SINGER MILITARY PRODS DIV	**149 Broadway, New York 3, NY**	**DI9-1200**
Cal	Singer Mfg Co	126 S. Acacia Ave, Solana Beach, Cal	SK5-1543
DC	Singer Military Products Div	1707 H St, N.W., Washington, DC	DI7-3426
Ohio	T H Orncioff	Talbott Tower, Dayton 2, Ohio	
Tex	Air Equipment Sales Co	2608 Inwood Rd, Dallas, Tex	FL2-6943
	SIOUX RADIO PRODUCTS	**100 Douglas Ave, Yankton, SD**	**NO5-3507**
Fla	William R Lehmann Co	108 Hillcrest Ave, Orlando, Fla	GA2-9848
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Minn	The Helmen Co	721 W. Lake St, Minneapolis, Minn	TA7-4636
Mo	T H Ellis & Co	408 Merchandise Mart, Kansas City, Mo	BA1-0260
	SITTLER CORP	**18 N. Ada St, Chicago 7, Ill**	**SE3-4616**
	SKINNER ELECTRIC VALVE DIV	**95 Edgewood Ave, New Britain, Conn**	**BA5-6421**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ariz	Western Control Equipment Co	1400 N. 32nd St, Phoenix, Ariz	WH5-4290
Cal	Western Control Equipment Co	3573 Pierce St, San Francisco 23, Cal	WE1-2155
Cal	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	TR3-3040
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver 21, Colo	GE3-6436
Ill	Skinner Electric Valve Div	549 W. Randolph St, Chicago, Ill	CE6-6876
La	J P Maguire Co	3144 Parris Ave, New Orleans 19, La	EV2392
Mass	Archie Williams	Box 86, West Medway, Mass	KE6-1101
Mich	Charles W Blessed	323 Wimbleton, Birmingham, Mich	MI5-4491
Mich	Ralph D Ernest Associates Inc	12818 Purritan Ave, Detroit 27, Mich	UN1-7311
NJ	Roger S Hinze	309 Dayton St, Ridgewood, NJ	GI4-7505
NY	Lane Engineering Co	1807 Elmwood Ave, Buffalo 7, NY	RI0770
Ohio	Richard A Bowers	6677 Solon Blvd, Solon 39, Ohio	EX1-8115
Ohio	Edward C Hughes Jr	Box 124, Cincinnati 24, Ohio	
Okla	John G Burke & Co	3209 W. 21st St, Tulsa 1, Okla	DI3-9161
Ore	Hydraulic & Air Equipment Co	2316 N.W. Savier St, Portland 10, Ore	CA2-3295
Pa	Rothenheber & Co	43 Cricket Ave, Ardmore, Pa	MI2-6911
Tex	Womack Machine Supply Co	2010 Shea Rd, Dallas, Tex	FL7-3871
Tex	Air-Dreco	4122 Richmond Ave, Houston 27, Tex	MO6-8338
Utah	The Rains Co	756 S. 1st. W., Salt Lake City 1, Utah	EM4-2683
Wash	Hydraulic & Air Equipment Co	1522 4th Ave, S., Seattle, Wash	MU2-1681
Foreign	Master-Wright Corp	2311 Whitney Ave, New Haven, Conn	AT8-1638
	SKYCRAFT TOOL ENGINEERING CO	**2610 Wilo Ln, Costa Mesa, Cal**	**LI8-4265**
	SKYDYNE INC	**River Rd, Port Jervis, NY**	**PO3-2241**
Ariz	E V Roberts & Associates	909 N. First St, Phoenix, Ariz	
Cal	E V Roberts & Associates	5068 W. Washington Blvd, Los Angeles 16	
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	
Cal	E V Roberts & Associates	4379 30th St, San Diego, Cal	
Colo	Martin Shippers Supply Inc	4424 Vine St, Denver 16, Colo	
Conn	Allison Engr Sales	61 Lee St, E. Longmeadow, Mass	
Del	Walter Clevenstine	711 Arch St, Spring City, Pa	
DC	Walter Clevenstine	711 Arch St, Spring City, Pa	
Fla	Lynch-Gentry Associates	406 Danley Dr, Fort Myers, Fla	
Ill	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	
Ind	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	
Iowa	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	
Kan	Mech-Tronics Inc	4 Hortense Pl, St. Louis 8, Mo	
Md	Walter Clevenstine	711 Arch St, Spring City, Pa	
Mass	Allison Engr Sales	61 Lee St, E. Longmeadow, Mass	
Mich	Satullo Co	4512 N. Woodward, Royal Oka, Mich	
Minn	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	
Mo	Mech-Tronics Inc	4 Hortense Pl, St. Louis 8, Mo	
NJ	Lawrence McFadden	29 Franklin Ave, Cedar Grove, NJ	
NM	E V Roberts & Associates	5100 Grand Ave, N.E., Albuquerque, NM	
NY	Lawrence McFadden	29 Franklin Ave, Cedar Grove, NJ	
NY	Wraps Inc	853 Broadway, New York 3, NY	
Ohio	Satullo Co	Roselawn Center Bldg, Cincinnati, Ohio	
Ohio	Satullo Co	16801 Euclid Ave, Cleveland, Ohio	
Okla	Mech-Tronics Inc	1122 Kings Hwy, Dallas 8, Tex	
Pa	Walter Clevenstine	711 Arch St, Spring City, Pa	
Pa	Satullo Co	992 Perry Hwy, Pittsburgh 37, Pa	
Tex	Mech-Tronics Inc	4 Hortense Pl, St. Louis 8, Mo	
Utah	Martin Shippers Supply Inc	4424 Vine St, Denver 16, Colo	
Va	Walter Clevenstine	711 Arch St, Spring City, Pa	
Wisc	Edward Magnuson Co	3349 W. Irving Park Rd, Chicago 18, Ill	
Wyo	Martin Shippers Supply Inc	4424 Vine St, Denver 16, Colo	
Canada	Atlas Instrument Corp	50 Wingold Ave, Toronto 19, Canada	
Canada	Atlas Instrument Corp	333 Cavendish Blvd, Montreal, Quebec, Canada	
Canada	Atlas Instrument Corp	1706 Mallard Ave, Ottawa, Ontario, Canada	
Canada	Atlas Instrument Corp	106-525 Seymour St, Vancouver, B.C., Canada	
	SLATER ELECTRIC & MFG CO	**47 Sea Cliff Ave, Glen Cove, NY**	**OR6-1100**
	SLAUGHTER CO	**Piqua 9, Ohio**	**PR3-5936**
	SLEPIAN & CO., ARTHUR	**2 Burroughs St, Bridgeport 7, Conn**	**ED5-5138**
	SLIP RING CO OF AMERICA	**3612 W. Jefferson Blvd, Los Angeles, Cal**	**RE5-0253**
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala	
Ariz	Harry A Moore Sales Co	P.O.Box 7245, Phoenix, Ariz	AM5-4662
Cal	G M Howard & Associates	1301 Sixth St, San Francisco 7, Cal	MA1-6759
Colo	Cox Sales Co	P.O.Box 4201, S. Denver Sta, Denver	PE3-6772
Fla	Jack Gearhner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Fla	Jack Gearhner Co	711 Magnolia Ave, Orlando, Fla	
Ill	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Ill	Earl W Schenck Associates	7743 Oglesby Ave, Chicago, Ill	
Kan	Sanford Co	1727 E. Second St, Wichita, Kan	
Mass	DeVeer Sales Engineering Co	1492 Highland Ave, Needham 92, Mass	HI4-4200
Mich	Earl W Schenck Associates	2530 Maplewood Dr, Grand Rapids, Mich	
Minn	A J Warner Co	5022-29th Ave, S., Minneapolis 17, Minn	PA9-7371
NY	David Sonkin Associates	10 Fiske Pl, Mt. Vernon, NY	MO8-9809
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
Ohio	Earl W Schenck Associates	P.O.Box 112, Westerville, Ohio	TU2-4838
Pa	W F Satterthwaite	103 E. Township Line Rd, Havertown, Pa	SU9-9600
Tex	Packard Associates	Love Field Terminal Bldg, Dallas 35	FL7-5713
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	
Canada	E S Gould Sales Co	19 LeRoyer W., Montreal, P Q, Canada	
	SLOAN CO AUTOTIMER/COLORLITE DIVS	**7704 San Fernando Rd, San Valley, Cal**	**TR7-1123**
Ala	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Ariz	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Ark	Packard Associates	404 Love Air Term Bldg, Dallas, Tex	FL7-5713
Cal	Weightman & Associates	1436 El Camino Real, Menlo Park, Cal	DA6-3797
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Conn	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
Conn	Ed Glass Associates	250 W. 57th St, New York 19, NY	JU6-8440
Del	Schumacher Associates	Box 182, Abington, Pa	TU4-7808
DC	Leo T McCourt & Son	610 Wash Ave, Towson, Md	
Fla	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Ga	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ill	J E Kerrigan Co	607 Highland Ave, Oak Park, Ill	VI8-8926
Ind	Nearing Associates	4429 Bridgetown Rd, Cincinnati 11, Ohio	MO2-1781
Iowa	J E Kerrigan Co	607 Highland Ave, Oak Park, Ill	VI8-8926
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Ky	Nearing Associates	4429 Bridgetown Rd, Cincinnati 11, Ohio	MO2-1781
La	Packard Associates	404 Love Air Term Bldg, Dallas, Tex	FL7-5713
Me	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
Md	Leo T McCourt & Son	610 Wash Ave, Towson, Md	
Mass	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
Mich	Nearing Associates	4429 Bridgetown Rd, Cincinnati 11, Ohio	MO2-1781
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Nev	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
NH	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
NJ	Ed Glass Associates	250 W. 57th St, New York 19, NY	JU6-8440
NJ	Schumacher Associates	Box 182, Abington, Pa	TU4-7808
NY	James L Semple	21 Edgewater Ln, Rochester 17, NY	FI2-1413
NY	Ed Glass Associates	250 W. 57th St, New York 19, NY	JU6-8440
NC	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Ohio	Nearing Associates	4429 Bridgetown Rd, Cincinnati 11, Ohio	MO2-1781
Okla	Packard Associates	404 Love Air Term Bldg, Dallas, Tex	FL7-5713
Pa	Nearing Associates	4429 Bridgetown Rd, Cincinnati 11, Ohio	MO2-1781
Pa	Schumacher Associates	Box 182, Abington, Pa	TU4-7808
RI	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
SC	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Tenn	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-1901
Tex	Packard Associates	404 Love Air Term Bldg, Dallas, Tex	FL7-5713
Vt	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-7808
Va	Leo T McCourt & Son	610 Wash Ave, Towson, Md	
Wisc	J E Kerrigan Co	607 Highland Ave, Oak Park, Ill	VI8-8926
Canada	Micarta Fabricators Ltd	18 Toronto St, Toronto, Canada	
	SMALL MOTORS INC	**2876 Elston Ave, Chicago 14, Ill**	**AR6-6900**
	SMITH CO., ARTHUR F	**311 Alexander St, Rochester, NY**	**BA5-4670**
	SMITH-FLORENCE INC	**4228 23rd, W., Seattle, Wash**	**AT4-0170**
Ala	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ariz	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Ark	Aireo Engineering Co	P.O.Box 9555, Dallas 14, Tex	TA4-3800
Cal	Kennematt Co	P.O.Box 2007, Van Nuys, Cal	TR3-2427
Cal	C W Mauldin Co	441 California Ave, Palo Alto, Cal	DA6-5294
Colo	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
DC	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Fla	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Ga	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Idaho	Comptronics	2 Hanford St, Seattle, Wash	MA4-5135
La	Aireo Engineering Co	P.O.Box 9555, Dallas 14, Tex	TA4-3800
Me	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Mass	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Minn	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Miss	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Mont	Comptronics	2 Hanford St, Seattle, Wash	MA4-5135
Nev	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
NM	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
NC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
ND	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Okla	Aireo Engineering Co	P.O.Box 9555, Dallas 14, Tex	TA4-3800
Ore	Comptronics	2 Hanford St, Seattle, Wash	MA4-5135
Pa	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
SC	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
SD	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Tenn	Ridge Instrument Co	162 Talmeda Rd, Oak Ridge, Tenn	OA5-3333
Tex	Aireo Engineering Co	P.O.Box 9555, Dallas 14, Tex	TA4-3800
Utah	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Va	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MT4-7530
Wash	Comptronics	2 Hanford St, Seattle, Wash	MA4-5135
Wisc	Northport Engineering Inc	1729 Selby Ave, St. Paul 4, Minn	MI6-2621
Wyo	Gates Co	200 S. Main St, Salt Lake City 1, Utah	EL9-1101
Canada	Comptronics	2 Hanford St, Seattle, Wash	MA4-5135
	SMITH INC., HERMAN H	**2326 Westmoud Ave, Brooklyn 10, NY**	**CL3-7900**
Ala	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Alaska	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
Ariz	Ellard E Strassner Co	1865 N. Western Ave, Los Angeles, Cal	HO2-0916
Ark	Hank Lieberman Associates Inc	6005 Northwood Rd, Dallas, Tex	EM3-3452
Cal	Ellard E Strassner Co	1865 N. Western Ave, Los Angeles, Cal	HO2-0916
Colo	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Conn	Abbett & Hustis	P.O.Box 52, Ridgefield, Conn	IO8-3200
Del	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	4304 Corona St, Tampa, Fla	62-4071
Ga	Morris F Taylor Co	2396 Connally Dr, East Point, Ga	PO1-5353
Idaho	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Ill	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131
Ind	Charles Scheffler Co	1133 Navajo Trail R R 14, Indpls.	CL3-6337
Iowa	McDowell Redlingshaffer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
Kan	McDowell Redlingshaffer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
Ky	Charles Scheffler Co	1133 Navajo Trail R R 14, Indpls, Ind	CL3-6337
La	Hank Lieberman Associates Inc	6005 Northwood Rd, Dallas, Tex	EM3-3452
Me	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring	JU9-4002
Mass	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Mich	J M Rathsburg	3539 Townsend Ave, Detroit, Mich	WA5-8850
Minn	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Mo	McDowell Redlingshaffer	3615 Olive St, St. Louis, Mo	JE3-3277
Mont	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Neb	McDowell Redlingshaffer	1103 E. Armour, Kansas City, Mo	WE1-6622
Nev	Ellard F Strassner Co	1865 N. Western Ave, Los Angeles, Cal	HO2-0916
NH	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
NM	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NC	Morris F Taylor Co	1224 Dresden Dr, W., Charlotte, NC	ED4-7633
ND	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Ohio	Neal Bear Co	3435 Streetsboro Rd, W., Richfield, Ohio	OL9-3331
Okla	Hank Lieberman Associates	6005 Northwood Rd, Dallas, Tex	EM3-3452
Ore	William R Lanphear Co	16600 S.E. Thomas Smith Rd, Portland	OL4-0124
Pa	Morris F Taylor Co	9500 Buckhorn Rd, Baltimore, Md	NO6-9054
RI	Abbett & Hustis	P.O.Box 52, Ridgefield, Conn	ID8-3200
SC	Morris F Taylor Co	1224 Dresden Dr, W., Charlotte, NC	ED4-7633
SD	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Tenn	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Tex	Hank Lieberman Associates	6005 Northwood Rd, Dallas, Tex	EM3-3452
Utah	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Vt	Abbett & Hustis	P.O.Box 293, Needham, Mass	HI4-5470
Va	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	William R Lanphear Co	3215 Western Ave, Seattle, Wash	AT4-8150
W. Va	Neal Bear Corp	1974 Gregory Ave, Monroeville, Pa	VA3-6117
Wisc	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto, Ontario, Canada	RU1-6174
Foreign	Roburn Agencies	431 Greenwich St, New York, NY	

SMITH MFG CO., INC., E C — Forrest & Hector, Conshohocken, Pa — TA8-0790

Ala	Process Controls Co	P.O.Box 3772, Greenville, SC	CE9-7742
Conn	Joseph W Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
Del	Delaware Valley Engineering Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
DC	Delaware Valley Engineering Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
Fla	Leroy E Rogers Co	9 N. Highland Ave, Clearwater, Fla	36-8081
Ga	Process Controls Co	P.O.Box 3772, Greenville, SC	CE9-7742
Idaho	D L Snellman & Co	113 King St, Seattle 4, Wash	MA3-8260
Ill	K W Hawkins Engineering Sales	6517 N. Central Ave, Chicago 30, Ill	SP4-2244
Ind	K W Hawkins Engineering Sales	6517 N. Central Ave, Chicago 30, Ill	SP4-2244
Ind	Couchman-Conant Inc	1400 N. Illinois St, Indianapolis 8, Ind	ME5-6313
Iowa	K W Hawkins Eng'g Sales	6517 N. Central Ave, Chicago 30, Ill	SP4-2244
Ky	C K M Industrial Sales	3038 Madison Rd, Cincinnati 9, Ohio	ME1-1193
La	Harper Co	P.O.Box 22351, Houston 27, Tex	JA4-3995
Me	Joseph H Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
Md	Delaware Valley Engrg Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
Mass	Jos H Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
NH	Jos H Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
NJ	Fluid Controls Co	646 Anderson Ave, Cliffside Park, NJ	WH3-1793
NJ	Delaware Valley Engineering Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
NY	Nickles Engineering Co	830 Linden Ave, Rochester 10, NY	LU6-4968
NY	Fluid Controls Co	646 Anderson Ave, Cliffside Park, NJ	WH3-1793
NC	Process Controls Co	P.O.Box 3772, Greenville, SC	CE9-7742
Ohio	Kurt J Lesker Co	4535 Veman Ave, Pittsburgh, Pa	TU1-4666
Ohio	C K M Industrial Sales	3038 Madison Rd, Cincinnati 9, Ohio	ME1-1193
Ore	D L Snellman & Co	113 King St, Seattle 4, Wash	MA3-8260
Pa	Delaware Valley Engineering Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
Pa	Kurt J Lesker Co	4535 Veman Ave, Pittsburgh, Pa	TU1-4666
RI	Jos H Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
SC	Process Controls Co	P.O.Box 3772, Greenville, SC	CE9-7742
Tenn	Ridge Valve & Fitting Co	P.O.Box 10076, Knoxville, Tenn	B-8094
Tex	Harper Co	P.O.Box 22351, Houston 25, Tex	JA4-3995
Vt	Jos H Bertram Co	998 Farmington Ave, W. Hartford, Conn	AD3-9823
Va	Delaware Valley Engineering Co	Forrest & Hector Sts, Conshohocken, Pa	TA8-8785
Wash	D L Snellman & Co	113 King St, Seattle 4, Wash	MA3-8260
W. Va	Kurt J Lesker Co	4535 Veman Ave, Pittsburgh 27, Pa	TU1-4666

SMITH MFG CO., J & H — Little Britain Rd, Newburgh, NY — JO1-8000

SMOOTH-ON MFG CO — 572 Connecticut Ave, Jersey City 4, NJ — HE3-0076

Ala	James F Sivert	5960 Crestwood Circle, Birmingham, Ala	
Cal	John C Adams Co	1110 S. Atlantic Blvd, Los Angeles 22	AN9-2162
Cal	Duane C Lyle	4085 Laguna Way, Palo Alto, Cal	DA6-5845
Mich	James E Gorsuch	334 Curtis Bldg, Detroit, Mich	TR5-8890
Ohio	Luckey Laboratories	Luckey, Ohio	
Wash	Frank J Martin Co	821 E. 86th St, Seattle 15, Wash	EM2-8188

SNAP-ON TOOLS CORP — 8129 28th Ave, Kenosha, Wisc — OL4-8681

Ala	Snap-On Tools Corp	810-A 5th Ave, N., Birmingham 4, Ala	FA2-8781
Ariz	Snap-On Tools Corp	3229 E. Washington St, Phoenix, Ariz	BR5-2489
Cal	Snap-On Tools Corp	1717 W. 6th St, Los Angeles 17, Cal	DU8-3445
Cal	Snap-On Tools Corp	2605 Market St, Oakland 7, Cal	HA4-5986
Colo	Snap-On Tools Corp	2160 Clay St, Denver 11, Colo	GE3-6238
Fla	Snap-On Tools Corp	1601 Walnut St, Jacksonville 6, Fla	EL4-4469
Fla	Snap-On Tools Corp	4311 N.W. 36th St, Miami 48, Fla	TU7-7336
Ga	Snap-On Tools Corp	2075 Liddell Dr, N.E., Atlanta 24, Ga	TR5-8682
Hawaii	Snap-On Tools Corp	2402 Kalihi St, Honolulu 17, Hawaii	866-665
Ill	Snap-On Tools Corp	120 N. May St, Chicago 7, Ill	TA9-2651
Ill	Snap-On Tools Corp	1746 N. Sheridan Rd, Peoria, Ill	5-2461
Ind	Snap-On Tools Corp	2424 Stewart Ave, Indianapolis 20, Ind	CL3-6418
Iowa	Snap-On Tools Corp	609 E. Walnut St, Des Moines 9, Iowa	CH3-3357
Ky	Snap-On Tools Corp	1609 Eastern Pkwy, Louisville 4, Ky	GL1-7909
Md	Snap-On Tools Corp	4503 E. Monument St, Baltimore 5, Md	DI2-4466
Mass	Snap-On Tools Corp	116 N. Beacon St, Boston 35, Mass	ST2-7296
Mich	Snap-On Tools Corp	93 Piquette Ave, Detroit 2, Mich	TR5-6455
Minn	Snap-On Tools Corp	6418 W. Lake St, Minneapolis 26, Minn	WE9-7841
Mo	Snap-On Tools Corp	2165 Hampton Ave, St. Louis 10, Mo	MI7-2338
Mont	Snap-On Tools Corp	115 E. Granite St, Butte, Mont	2-8762
Neb	Snap-On Tools Corp	3601 N. 24th St, Omaha 10, Neb	PL3116
NJ	Snap-On Tools Corp	823 Sandford Ave, Newark 6, NJ	ES5-8197
NY	Snap-On Tools Corp	118 Everett Rd, Albany 12, NY	8-4056
NY	Snap-On Tools Corp	628 W. Utica St, Buffalo 13, NY	GA6374
NY	Snap-On Tools Corp	2807 White Plains Rd, New York 67, NY	TU2-6868
NY	Snap-On Tools Corp	1622 Burnet Ave, Syracuse 6, NY	GR9-7561
Ohio	Snap-On Tools Corp	4205 Vine St, Cincinnati 17, Ohio	WO1-3188
Ohio	Snap-On Tools Corp	2066 S. Taylor Rd, Cleveland Hghts 18	ER1-9457
Ohio	Snap-On Tools Corp	2932 Monroe St, Toledo 6, Ohio	CH9-1026
Pa	Snap-On Tools Corp	1710 Fairmount Ave, Philadelphia 30, Pa	PO5-7400
Pa	Snap-On Tools Corp	630 Ardmore Blvd, Pittsburgh 21, Pa	CH2-5551
Tex	Snap-On Tools Corp	9101 Diplomacy Row, Dallas 7, Tex	FL7-6241
Tex	Snap-On Tools Corp	1810 LaBranch St, Houston 2, Tex	CA5-5404
Utah	Snap-On Tools Corp	1721 S. Main St, Salt Lake City 15, Utah	HU4-5854
Va	Snap-On Tools Corp	1617 W. Broad St, Richmond 20, Va	EL5-8115
Wash	Snap-On Tools Corp	4503 8th Ave, N.W., Seattle 7, Wash	SU2-2192
Wisc	Snap-On Tools Corp	3450 N. 84th St, Milwaukee 22, Wisc	UP1-3220
Foreign	Snap-On Tools Corp	113 O'Neill St, Hato Rey, Puerto Rico	

SNELGROVE CO LTD., C R — 141 Bond Ave, Don Mills, Ont, Canada — HI4-1187

SNYDER MFG CO — 22nd & Ontario Sts, Philadelphia 40, Pa — BA5-6565

Cal	Leonard Pill & Associates	1903 W. 9th St, Los Angeles 6, Cal	DU8-9557
Cal	Leonard Pill & Associates	81 Cushing Ave, San Rafael, Cal	GL4-9347
Fla	Marvin Weinstein	2651 Madison St, Hollywood	WA3-6481
Ill	Ray Averbach	2743 Longmeadow Dr, Chicago, Ill	CR2-2966
Ore	Yeager-Sleight Co	1633 N.W. 21st Ave, Portland 9, Ore	CA3-0215
Tex	Dave Sterling & Co	150 Howell St, Dallas 7, Tex	RI6-5296
Wash	Yeager-Sleight Co	23528 97th Pl, W. Seattle, Wash	LI2-8774

SOCIETE INDUSTRIELLE DE SONCEBOZ S A — Sonceboz, Switzerland — 03297001

NY	Alina Corp	1122 E. Second St, Mineola, NY	PI7-5336
Foreign	The British Sonceboz Co Ltd	Victoria Rd, S. Ruislip, Middlsex, England	RU5590
Foreign	Societe Industrielle De Sonceboz	Via Mac Melloni Fo, Milano, Italy	FU975

SOLA ELECTRIC CO — 4633 W. 16th St, Chicago 50, Ill — BI2-1414

Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Ariz	Harry A Moore Sales Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-0600
Cal	Sola Electric Co	123 W. 37th St, San Mateo, Cal	FI1-6538
Cal	Sola Electric Co	3138 E. Olympic Blvd, Los Angeles 23	AN9-9431
Colo	Slaybaugh & Thompson	100 W. 13th Ave, Denver 4, Colo	AC2-6826
Conn	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
Del	Sola Electric Co	210 N. 6th St, Camden 3, NJ	WA2-5340
DC	Sola Electric Co	210 N. 6th St, Camden 3, NJ	WA2-5340
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Idaho	Slaybaugh & Thompson	100 W. 13th Ave, Denver 4, Colo	AC2-6826
Iowa	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
Kan	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
Me	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
Md	Sola Electric Co	210 N. 6th St, Camden 3, NJ	WA2-5340
Mass	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Miss	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Mo	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
Mont	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Neb	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	WE1-6622
NH	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
NJ	Sola Electric Co	210 N. 6th St, Camden, NJ	WA2-5340
NM	Slaybaugh & Thompson	100 W. 13th Ave, Denver 4, Colo	AC2-6826
NY	Sola Electric Co	84 Industrial Ave, Little Ferry, NJ	BR9-9180
NC	Ranson, Wallace & Co	116 - 1/2 E. 4th St, Charlotte 2, NC	ED4-4244
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Ohio	Sola Electric Co	19115 Detroit Rd, Cleveland 16, Ohio	ED3-2223
Okla	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-4145
Ore	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Pa	Sola Electric Co	210 N. 6th St, Camden 3, NJ	WA2-5340
RI	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
SC	Ranson, Wallace & Co	116 - 1/2 E. 4th St, Charlotte 2, NC	ED4-4244
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga	TR6-0919
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	RI7-4145
Utah	Slaybaugh & Thompson	100 W. 13th Ave, Denver 4, Colo	AC2-6826
Vt	Sola Electric Co	272 Centre St, Newton 58, Mass	BI4-3354
Va	Ranson, Wallace & Co	116 - 1/2 E. 4th St, Charlotte 2, NC	ED4-4244
Wash	Northwestern Agencies Inc	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
W. Va	Sola Electric Co	19115 Detroit Rd, Cleveland 16, Ohio	ED3-2223
Wyo	Slaybaugh & Thompson	100 W. 13th Ave, Denver 4, Colo	AC2-6826

SOLAR MFG CORP — 4553 Seville Ave, Los Angeles 58, Cal — LU3-1411

SOLARTRON INC — 1742 S. Zeyo St, Anaheim, Cal — PR2-2652

Del	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	
DC	S & S Associates Inc	4509 Calvert Rd, College Park, Md	
Md	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	
Mich	Tower Engineering Co	19364 James Couzens, Detroit 35, Mich	
NJ	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton, Ohio	
Pa	Tower Engineering Co	3898 Linden Ave, Dayton, Ohio	
Pa	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	
Va	S & S Associates Inc	780 W. DeKalb Pike, King of Prussia, Pa	
W. Va	Tower Engineering Co	3898 Linden Ave, Dayton, Ohio	

SOLID STATE ELECTRONICS CO — 15321 Royon St, Sepulveda, Cal — EM4-2271

Ariz	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
Cal	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
Conn	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Del	Walter C Stemler & Associates Inc	318B Watervliet St, Aberdeen, Md	
DC	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211
Md	Walter C Stemler & Associates Inc	318B Watervliet St, Aberdeen, Md	
Md	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211
Mass	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Nev	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
NH	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NM	G H Vaughan Co	2366 E. Foothill Blvd, Pasadena, Cal	SY5-4420
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Industron Co	200 E. Genesee St, Syracuse 1, NY	HA2-2054
NC	W C Stemler & Associates	511 N. Charles St, Baltimore 1, Md	PL2-3211
Ohio	Ohio Instruments Co	7316 Winston Churchill Dr, Dayton 32	CH4-2744
Pa	W C Stemler & Associates	511 N. Charles St, Baltimore 1, Md	PL2-3211
Pa	Industron Co	Broad & Chestnut St, Philadelphia 7, Pa	KI6-4121
RI	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Vt	Saunders & Co	8 Prospect St, Waltham 54, Mass	TW4-6071
Va	Walter C Stemler & Associates Inc	511 N. Charles St, Baltimore 1, Md	PL2-3211
W. Va	Ohio Instruments Co	7316 Win Churchill Dr, Dayton 32, Ohio	CH4-2744
Canada	Radionics Ltd	8230 Mayrand St, Montreal 3, Que, Canada	
Foreign	Industrial Imports Ltd	Box 1271, CPO, Tokyo, Japan	
Foreign	Radiophon	50, Rue Du Faub Poiss, Paris, France	

SOLID STATE PRODUCTS INC — 1 Pingree St, Salem, Mass — PI5-2900

Ala	Bill Henry Associates	2722 Normandy Rd, Charlotte, NC	FR5-8958
Ariz	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co	2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	MU1-6781
Cal	G S Marshall Co	3525 Fifth Ave, San Diego, Cal	CY6-8234
Colo	Scientific Instruments Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Del	Schumacher Associates	1209 York Rd, Abington, Pa	TU4-7808
DC	Habco Electronic Sales Co	603 Allegheny Ave, Towson, Md	VA5-9637
Fla	Bill Henry Associates	711 Magnolia Ave, Orlando, Fla	GA5-6860
Ga	Bill Henry Associates	2722 Normandy Rd, Charlotte, NC	FR5-8958
Idaho	Shaffer & Nelson Inc	1001 S.E. Water Ave, Portland, Ore	BE4-7437
Ill	Withers & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Ill	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Ind	Withers & Ropek	5439 W. Division St, Chicago, Ill	AU7-7292
Ind	Technical Associates Inc	5643 Maplendge Ave, Cincinnati 27, Ohio	RE1-6200
Iowa	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corner, Wisc	GA5-5919
Kan	Harris-Hanson Co	7916 Paseo Ave, Kansas City, Mo	HI4-9494
Ky	Technical Associates Inc	5643 Maplendge Ave, Cincinnati, Ohio	RE1-6200
Me	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Md	Habco Electronic Sales Co	603 Allegheny Ave, Towson, Md	VA5-9637
Mass	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Mich	Burvi Hill Inc	15425 Schaefer Hwy, Detroit, Mich	VE8-3460
Minn	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corner, Wisc	GA5-5919
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City, Mo	HI4-9494
Mont	Shaffer & Nelson Inc	W. 1835 Broadway, Spokane 10, Wash	FA7-9528
Neb	Harris-Hanson Co	7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
Nev	G S Marshall Co	2030 E. Broadway, Tucson, Ariz	MA2-4719
NH	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NM	R E McClendon Co	915 Yale Blvd, S.E., Albuquerque, NM	CH3-4551
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NY	L L Schlev Co	3307 Erie Blvd, E., Syracuse, NY	GI6-1542
NC	Bill Henry Associates	2722 Normandy Rd, Charlotte, NC	FR5-8958
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Ohio	Technical Associates Inc	5643 Maplendge Ave, Cincinnati, Ohio	RE1-6200
Okla	R E McClendon Co	137 Walnut Hill Village, Dallas, Tex	FL2-4054
Ore	Shaffer & Nelson Inc	1001 S. E. Water Ave, Portland, Ore	BE4-7437
Pa	Schumacher Associates	1209 York Rd, Abington, Pa	TU4-7808
Pa	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
RI	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
SC	Bill Henry Associates	2722 Normandy Rd, Charlotte, NC	FR5-8958
Tenn	Bill Henry Associates	2722 Normandy Rd, Charlotte, NC	FR5-8958
Tex	R E McClendon Co	137 Walnut Hill Village, Dallas, Tex	FL2-4054
Utah	Shaffer & Nelson Inc	1415 S. Main, Salt Lake City, Utah	HU4-3382
Vt	L L Schlev Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Va	Habco Electronic Sales Co	603 Allegheny Ave, Towson, Md	VA5-9637
Wash	Shaffer & Nelson Inc	W. 1835 Broadway, Spokane, Wash	FA7-9528
Wash	Shaffer & Nelson Inc	312 Occidental Ave, Seattle, Wash	MU2-0186
W.Va	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Wisc	Arthur Engineering Sales Co	11210 W. Mallory Ave, Hales Corner, Wisc	GA5-5919

SOLIDYNE — 7460 Girard Ave, La Jolla, Cal — GL4-1185

Ariz	Howe & Howe	Box 10497, Phoenix, Ariz	AM5-9185
Cal	C W Mauldin Co	441 W. California Ave, Palo Alto, Cal	DA6-5291
Cal	Hafstrom-Thompson Associates	16212 Ventura Blvd, Encino, Cal	ST8-0800
Wash	Fred H Haight Co	3212 Eastlake, Seattle 2, Wash	EA2-1818

SOLITRON DEVICES INC — 67 S. Lexington Ave, White Plains, NY — WH6-7591

Ark	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	
Colo	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Del	Hart Bancroft	209 Copper St, Westmont, NJ	CO5-5215
DC	Hart Bancroft	209 Cooper St, Westmont, NJ	CO5-5215
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Idaho	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Ill	Sam J Wiley Co	2060 W. Birchwood Ave, Chicago, Ill	LP8-3313
Ind	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	AN2083
Ky	Hoemig Sales Co	Butler Ct, Fort Wayne, Ind	AN2083
La	Hank Lieberman & Associates	6005 Northwood Rd, Dallas 25, Tex	
Md	Hart Bancroft	209 Cooper St, Westmont, NJ	CO5-5215
Mich	Wayne Bertel	13209 Fenkell, Detroit, Mich	VE9-5100
NJ	Hart Bancroft	209 Cooper St, Westmont, NJ	CO5-5215
NY	Land-C-Air Sales Co	75 Main St, Tuckahoe, NY	WO1-4700
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
Tex	Hank Lieberman & Associates	6005 Northwood Rd, Dallas, Tex	
Canada	Eric S Gould	19 Le Royer St, W. Montreal 1, Quebec, Canada	

SOMERS BRASS CO — 94 Baldwin Ave, Waterbury, Conn — PL6-8321

NY	Claude S Speicher	110 E. 42nd St, New York 17, NY	

SONAR RADIO CORP — 3050 W. 21 St, Brooklyn 24, NY — ES2-6000

SONEX INC — 185 W. Schoolhouse Ln, Phila 44, Pa — VI3-3606

Cal	Peninsula Associates	1345 Hancock St, Redwood City, Cal	EM9-1226
Del	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
DC	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
Md	Eastern Associates Inc	808 Ingleside Ave, Baltimore 28, Md	RI4-3676
NJ	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Ore	Peninsula Associates	1345 Hancock St, Redwood City, Cal	EM9-1226
Pa	Eastern Associates Inc	820 Homestead Rd, Jenkintown, Pa	TU4-7200
Wash	Peninsula Associates	1345 Hancock St, Redwood City, Cal	EM9-1226

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	SONOTONE CORP ..... **P. O. Box 200 Elmsford, NY** **LY3-9600**	
Ala	S K Wallace & Associates ..... Box 67, Lutz, Fla	WE9-3241
Alaska	Marsh Agencies Inc ..... 2601 First Ave, Seattle, Wash	MA8761
Ariz	J W Marsh Co ..... 4216 W. Jefferson Blvd, Los Angeles, Cal	RE2-0145
Ark	The Texport Co ..... 2147 Farrington Blvd, Dallas, Tex	RI7-6886
Cal	J W Marsh Co ..... 4216 W. Jefferson Blvd, L A, Cal	RE2-0145
Cal	J W Marsh Co ..... 1258 Fitzgerald Ave, San Francisco, Cal	
Colo	Cox Sales Co ..... S. Denver Sta, Box 4201, Denver, Colo ..	PE3-6772
Conn	William A Hendrickson ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
Del	Chas W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
DC	Chas W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Fla	S K Wallace & Associates ..... Box 67, Lutz, Fla	WE9-3241
Ga	S K Wallace & Associates ..... Box 67, Lutz, Fla	WE9-3241
Hawaii	J W Marsh Co ..... 4216 W. Jefferson Blvd, L A, Cal	RE2-0145
Idaho	Marsh Agencies Inc ..... 2601 First Ave, Seattle, Wash	MA8761
Ill	J K Rose & Co ..... 1116 Linden Ave, Highland Park, Ill	AM2-5584
Ind	Southern Sales Co ..... 150 Lakeshore Dr, Angola, Ind	AN777
Iowa	Carmine A Vignola Associates ..... P.O. Box 569, Jefferson City, Mo	JE5-1023
Kan	Carmine A Vignola Associates ..... P.O. Box 569, Jefferson City, Mo	JE5-1023
Ky	Southern Sales Co ..... 150 Lakeshore Dr, Angola, Ind	AN777
La	The Texport Co ..... 2147 Farrington Blvd, Dallas, Tex	RI7-6886
Me	William A Hendrickson Co ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
Md	Chas W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	William A Hendrickson Co ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
Mich	Rathsburg ..... 3539 Townsend Ave, Detroit, Mich	WA5-8850
Minn	Ray Ridley ..... 7222 James Ave, S., Minneapolis, Minn	UN6-8682
Miss	S K Wallace & Assoc ..... P.O. Box 67, Lutz, Fla	WE9-3241
Mo	Carmine A Vignola Associates ..... P.O. Box 569, Jefferson City, Mo	JE5-1023
Mont	Cox Sales Co ..... P.O. Box 4201, Denver, Colo	PE3-6772
Neb	Cox Sales Co ..... P.O. Box 4201, Denver, Colo	PE3-6772
Nev	J W Marsh Co ..... 4216 W. Jefferson Blvd, Los Angeles, Cal	RE2-0145
NH	William A Hendrickson Co ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
NJ	S A Shaw Co ..... 361 Central Park Ave, Yonkers, NY	YO3-5700
NJ	Chas W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
NM	Cox Sales Co ..... P.O. Box 4201, Denver, Colo	PE3-6772
NY	L D Allen Co ..... Salina Sta, P.O. Box 32, Syracuse, NY ..	GR1-3108
NY	S A Shaw Co ..... 361 Central Park Ave, Yonkers, NY	YO3-5700
NC	S K Wallace & Associates ..... P.O. Box 67, Lutz, Fla	WE9-3241
ND	Ray Ridley ..... 7222 James Ave, S., Minneapolis, Minn	UN6-8682
Ohio	John O Olsen Co ..... 16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Okla	The Texport Co ..... 2147 Farrington Blvd, Dallas, Tex	RI7-6886
Ore	Marsh Agencies Inc ..... 2601 First Ave, Seattle, Wash	MA8761
Pa	John O Olsen Co ..... 16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Pa	Charles W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
RI	W A Hendrickson Co ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
SC	S K Wallace & Associates ..... P.O. Box 67, Lutz, Fla	WE9-3214
SD	Ray Ridley ..... 7222 James Ave, S., Minneapolis, Minn	UN6-8682
Tenn	S K Wallace & Associates ..... P.O. Box 67, Lutz, Fla	WE9-3241
Tex	The Texport Co ..... 2147 Farrington Blvd, Dallas, Tex	RI7-6886
Utah	Cox Sales Co ..... P.O. Box 4201, Denver, Colo	PE3-6772
Vt	W A Hendrickson Co ..... 291 First Parish Rd, Scituate, Mass	LI5-0652
Va	Charles W Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Marsh Agencies Inc ..... 2601 First Ave, Seattle, Wash	MA8761
W.Va	John O Olsen Co ..... 16201 Shaker Blvd, Cleveland, Ohio	SK2-5444
Wisc	J K Rose & Co ..... 1116 Linden Ave, Highland Park, Ill	AM2-5584
Wyo	Cox Sales Co ..... 9427 Georgia Ave, Silver Spring, Md	JU7-5888
Canada	Atlas Radio Corp ..... 50 Wingold Ave, Toronto, Canada	RU1-6174
	SONY CORP ..... **514 Broadway, New York 12, NY** **WO6-0800**	
Foreign	Sony Corp ..... Tokyo, Japan	
	SORENSEN & CO., INC ..... **Richards Ave, Norwalk, Conn** **TE8-6571**	
Ala	Bivins & Caldwell Inc ..... Huntsville, Ala	JE2-5733
Ariz	Mc Carthy Associates ..... 111 Osborn St., W., Phoenix, Ariz	CR9-1891
Cal	Mc Carthy Associates ..... 635 Oak Grove Ave, Menlo Park, Cal	DA6-7937
Cal	Mc Carthy Associates ..... 1055 E. Walnut St, Pasadena, Cal	MU1-7411
Cal	Mc Carthy Associates ..... 3460 Ingraham St, San Diego, Cal	BR4-1100
Colo	Lahana & Co ..... 1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	Yewell Associates Inc ..... 1101 E. Main St, Bridgeport, Conn	FO6-3456
Fla	Bivins & Caldwell Inc ..... 723 W. Smith St, Orlando, Fla	CH1-1091
Ga	Bivins & Caldwell Inc ..... 3133 Maple Dr, N.E., Atlanta, Ga	
Hawaii	Arva Inc ..... 832 S. Queen St, Honolulu, Hawaii	
Ill	Pivan Engineering Co ..... 2820 Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering Co ..... 6055 N. College Ave, Indianapolis 20	CL3-0444
Ky	Bivins & Caldwell Inc ..... 1923 N. Main St, High Point, NC	HI2-6873
Md	Horman Associates Inc ..... 941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Yewell Associates ..... Middlesex Tnpk, Burlington 24, Mass	BR2-9000
Mich	S Sterling Co ..... 15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
Minn	Pinkney & Hine Co ..... 1925 Nicollett Ave, Minneapolis 3, Minn	FE8-0523
Mo	Harris-Hanson Co ..... 7916 Paseo Ave, Kansas City 32, Mo	HI4-9494
Mo	Harris-Hanson Co ..... 2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
NJ	The I E Robinson Co ..... 905 Main St, Asbury Park, NJ	KE1-3150
NJ	RMC Associates ..... 391 Grand Ave, Englewood, NJ	LO7-3933
NY	RMC Associates Inc ..... 236 E. 75th St, New York, NY	TR9-2023
NY	J O Ryerson Associates Inc ..... 111 Kinne Rd, Syracuse, NY	GI6-1771
NY	Yewell Associates Inc ..... 806 Main St, Poughkeepsie, NY	GR1-3456
NC	James L Highsmith ..... 3733 Monroe Rd, Charlotte, NC	FR7-2546
Ohio	S Sterling Co ..... 5827 Mayfield Rd, Cleveland 24, Ohio	HI2-8080
Ohio	S Sterling Co ..... 363 W. 1st St, Dayton 2, Ohio	FU8794
Ore	Arva ..... 1238 W. Glisan St, Portland 9, Ore	CA2-7337
Pa	I E Robinson Co ..... 2120 Market St, Camp Hill, Pa	RE7-6791
Pa	I E Robinson Co ..... 7404 Westchester Pike, Upper Darby, Pa	FL2-7017
Pa	S Sterling Co ..... 4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
Tex	Earl Lipscomb Associates ..... P.O Box 7084, Dallas 9, Tex	FL7-1881
Tex	Earl Lipscomb Associates ..... P. O. Box 6646, Houston 5, Tex	MO7-2407
Utah	Lahana & Co ..... 1332 Varden Way, W., Salt Lake City	AM6172
Wash	Arva ..... 1320 Prospect St, Seattle 9, Wash	MA2-0177
Canada	Bayly Engineering Ltd ..... Hunt St, Ajax, Ontario, Canada	EM2-3741
Canada	Arva ..... 355 Burrard St, Vancouver, B C, Canada	
Foreign	Electro Labs S A ..... Guanajuato 115, Mexico, D F, Mexico	11-60-94
Foreign	Sorensen Ardag ..... Eichstrasse 29, Zurich, Switzerland	
	SORENSEN INDUSTRIAL ELECTRONIC CO ..... **Route 10, Dover, NJ** **FO6-3905**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	SOROBAN ENGINEERING INC ..... **Box 1717, Melbourne, Fla** **PA3-7221**	
	SOUND PROJECTS CO DIV LE CLAIR ..... **2410 S. Central Ave, Cicero 50, Ill** **OL6-4455**	
	SOUND SCRIBER CORP ..... **Middletown Ave, N. Haven 2, Conn** **ST7-2125**	
	SOUNDOLIER INC ..... **9300 Watson Indl Pk, St. Louis 26, Mo** **YO6-4630**	
Cal	Ellard E Strassner Co ..... 1865 N. Western Ave, Los Angeles 27, Cal	
Cal	Lebell-Warren Associates ..... 1485 Bayshore Blvd, San Francisco, Cal	
Colo	Hyde Electronics Co ..... 888 S. Lipan, Denver, Colo	
Conn	Paul W Nief Associates ..... 15 Oak, Westport, Conn	
Fla	Morris F Taylor Co ..... 4304 Corona St, Tampa 9, Fla	
Ga	Morris F Taylor Co ..... 2396 Connally Dr, East Point, Ga	
Hawaii	Gene Piety Factors Inc ..... 2030 Home Rule St, Honolulu, Hawaii	
Ill	Ray R Hutmacher Associates ..... 6647 N. Oliphant, Chicago, Ill	
Ind	Robt O Whitesell & Associates ..... 6620 E. Washington, Indianapolis, Ind	
La	The Texport Co ..... 3629 Carrollton, New Orleans, La	
Md	Chas W Lienau & Co ..... 9427 Georgia Ave, Silver Spring, Md	
Mich	Robt Milsk Co ..... 19371 James Couzens Hwy, Detroit, Mich	
Minn	Mel Foster Co ..... 2402 Hennepin Ave, Minneapolis, Minn	
Mo	Forristal Young Sales Co ..... 8147 Delmar, St. Louis, Mo	
Mo	Forristal Young Sales Co ..... 4053 Broadway, Kansas City, Mo	
NM	Hyde Electronics Co ..... 5206 Constitution Ave, Albuquerque, NM	
NY	Benjay Associates ..... 519 S. 5th Ave, Mt. Vernon, NY	
NY	Leroy & McGuire Inc ..... RD 1, Phelps, NY	
NC	Morris F Taylor Co ..... 1224 Dresden Dr, Charlotte 5, NC	
Ohio	C L Pugh Co ..... 2144 Riverside Dr, Columbus, Ohio	
Ore	Burt C Porter Co ..... Box 4978, Portland, Ore	
Tex	The Texport Co ..... 2147 Farrington, Dallas 7, Tex	
Tex	The Texport Co ..... 12910 La Tosca Ln, Houston 24, Tex	
Wash	Burt C Porter Co ..... 1209 Poplar Pl, Seattle, Wash	
Canada	R C Kahnert Sales Ltd ..... 73 Crockford Blvd, Scarboro, Ontario, Canada	
Foreign	Electronic Mfgrs Export Co ..... 127 Grace St, Plainview, NY	
	SOUTH RIVER METAL PRODUCTS CO., INC ..... **377 Trapk, South River, NJ** **CL4-5252**	
Ala	Murphy & Cota ..... 2110 Peachtree Rd, N.W., Atlanta 9, Ga	
Ariz	Nelson Co ..... P.O. Box 938, Albuquerque, NM	
Cal	Sinai-Johnson Inc ..... 845 Jessie St, San Francisco, Cal	
Colo	Nelson Co ..... 710 E. Louisiana Ave, Denver, Colo	
Conn	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
Del	Charles Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md JU7-5888	
DC	Charles Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md JU7-5888	
Fla	Murphy & Cota ..... 1220 Edgewater Dr, Orlando, Fla	
Ga	Murphy & Cota ..... 2110 Peachtree Rd, N.W., Atlanta 9, Ga	
Idaho	Nelson Co ..... P.O. Box 1871, Salt Lake City, Utah	
Ind	M E Tyson Co ..... 848 Colfax St, Toledo 6, Ohio	
Iowa	Harold Slater Co ..... 21 Crestview, St. Joseph, Mo	
Kan	Harold Slater Co ..... 21 Crestview, St. Joseph, Mo	
Ky	M E Tyson Co ..... 848 Colfax St, Toledo 6, Ohio	
Me	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
Md	Chas Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md	
Mass	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
Mich	Rod Butchart Co ..... 16637 E. Warren, Detroit 24, Mich	
Miss	Murphy & Cota ..... 2110 Peachtree Rd, N.W., Atlanta 9, Ga	
Mo	Harold Slater Co ..... 21 Crestview, St. Joseph, Mo	
Mont	Nelson Co ..... 710 E. Louisiana Ave, Denver 10, Colo	
Neb	Harold Slater Co ..... 21 Crestview, St. Joseph, Mo	
NH	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
NM	Nelson Co ..... P.O. Box 938, Albuquerque, NM	
NY	Le Roy & Mc Guire Inc ..... RD 1, Phelps, NY	
NC	G S Schiffer & Co ..... P.O. Box 6365, Summit Sta, Greensboro, NC	
Ohio	Weller-Rahe Co ..... P.O. Box 212, Worthington, Ohio	
Pa	Weller Rahe Co ..... P.O. Box 212, Worthington, Ohio	
Pa	Chas Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md JU7-5888	
RI	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
SC	G S Schiffer & Co ..... P.O. Box 6365, Summit Sta, Greensboro, NC	
Tenn	Murphy & Cota ..... 2110 Peachtree Rd, N.W., Atlanta 9, Ga	
Utah	Nelson Co ..... P.O. Box 1871, Salt Lake City, Utah	
Vt	Keene Sales Co ..... 25 Tremont St, Boston 8, Mass	
Va	Chas Lienau Co ..... 9427 Georgia Ave, Silver Spring, Md JU7-5888	
W.Va	Weller-Rahe Co ..... P.O. Box 212, Worthington, Ohio	
Wyo	Nelson Co ..... 710 E. Louisiana Ave, Denver 10, Colo	
	SOUTHCO DIV SOUTH CHESTER CORP ..... **Lester, Pa** **LE4-1800**	
Ala	Piedmont Equipment Co ..... 114 Fairwood Ave, Charlotte 3, NC	ED4-6823
Ariz	M D Hecht Associates ..... 5019 Cherry Lynn, Rd, Phoenix, Ariz	WH5-7771
Ark	Industrial Sales Service Inc ..... 6626 Maple St, Dallas 35, Tex	FL1-3927
Cal	South Chester Corp ..... 115 W. 7th St, Los Angeles 14, Cal	MA7-9703
Cal	Ray R Sweet & Son ..... 8413 W. Third St, Los Angeles 48, Cal	WE9-5882
Cal	Dean Lewis Associates ..... 4385 Piedmont Ave, Oakland, Cal	OL4-0613
Colo	Rowley-Bouvette Inc ..... 1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Conn	G V Eads & Co ..... Kent, Conn	WA7-3553
DC	South Chester Corp ..... 107 York Rd, Baltimore 4, Md	VA5-7999
Fla	A-Gen-Teers Enterprises ..... P.O. Box 7305, Orlando, Fla	GA3-7162
Ga	Piedmont Equipment Co ..... 114 Fairwood Ave, Charlotte 3, NC	ED4-6823
Idaho	H E Simi ..... Box 181, Bellevue, Seattle, Wash	GL4-4309
Idaho	Rowley-Bouvette Inc ..... 955 Folsom Ave, Salt Lake City 4, Utah	DA2-2041
Ill	South Chester Corp ..... 612 N. Michigan Ave, Chicago 14, Ill	DE7-2532
Ill	Clancey Co ..... 3527 Broadway, Kansas City 11, Mo	WE1-3090
Ill	F H Ring Co ..... 7400 Pershing, St. Louis 30, Mo	VO3-2511
Ill	South Chester Corp ..... 2800 E. 39th St, Indianapolis 5, Ind	LI7-1292
Ind	South Chester Corp ..... 2800 E. 39th St, Indianapolis 5, Ind	LI7-1292
Iowa	Clancey Co ..... 3527 Broadway, Kansas City 11, Mo	WE1-3090
Kan	Clancey Co ..... 3527 Broadway, Kansas City 11, Mo	WE1-3090
Ky	South Chester Corp ..... 1717 Section Rd, Cincinnati 37, Ohio	EL1-2424
La	Industrial Sales Service Inc ..... 6626 Maple St, Dallas 35, Tex	FL1-3927
Me	G Vernon Eads ..... Kent, Conn	WA7-3553
Md	South Chester Corp ..... 107 York Rd, Baltimore 4, Md	VA5-7999
Mass	South Chester Corp ..... 6 Beacon St, Boston 8, Mass	CA7-1515
Mich	South Chester Corp ..... 612 N. Michigan Ave, Chicago 14, Ill	DE7-2532
Mich	Carl Lamparter & Associates ..... 18401 E. Warren Ave, Detroit 36, Mich ..	TU5-4444
Minn	A A Gustafson Co ..... 161 Griggs-Midway Bldg, St. Paul 4	MI4-7630
Mo	Clancey Co ..... 3527 Broadway, Kansas City 11, Mo	WE1-3090
Mo	F H Ring Co ..... 7400 Pershing, St. Louis 30, Mo	VO3-2511

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Mont	H E Simi ..... Box 181, Bellevue, Seattle, Wash	GL4-4309
Neb	Clancey Co ..... 3527 Broadway, Kansas City 11, Mo	WE1-3090
NH	G Vernon Eads & Co ..... Kent, Conn	WA7-3553
NJ	South Chester Corp ..... 69 Dey St, New York 7, NY	WO4-3459
NM	M D Hecht Associates ..... 5019 Cherry Lynn Rd, Phoenix, Ariz	WH5-7771
NY	South Chester Corp ..... 69 Dey St, New York 7, NY	WO4-3459
NY	South Chester Corp ..... Honeoye Falls, NY	HO161
NY	South Chester Corp ..... 6 Beacon St, Boston 8, Mass	CA7-1515
NC	Piedmont Equipment Co ..... 114 Fairwood Ave, Charlotte 3, NC	ED4-6823
Ohio	South Chester Corp ..... 1717 Section Rd, Cincinnati 37, Ohio	EL1-2424
Ohio	Alfred F Johnson Co ..... 14820 Detroit Ave, Cleveland 7, Ohio	LA1-3650
Ohio	Carl Lamparter & Associates ..... 18401 E. Warren Ave, Detroit 36, Mich ..	TU5-4444
Okla	South Chester Corp ..... 1527 Hunt Bldg, Tulsa 3, Okla	CH2-1284
Ore	H E Simi ..... Box 181, Bellevue, Seattle, Wash	GL4-4309
Pa	Production Components Co ..... 1754 N. Highland Rd, Pittsburgh 28, Pa ..	LO3-1888
RI	South Chester Corp ..... 6 Beacon St, Boston 8, Mass	CA7-1515
SC	Piedmont Equipment Co ..... 114 Fairwood Ave, Charlotte 3, NC	ED4-6823
Tenn	Piedmont Equipment Co ..... 114 Fairwood Ave, Charlotte 3, NC	ED4-6823
Tex	South Chester Corp ..... 120 Esperson Bldg, Houston 2, Tex	FA3-1153
Tex	Industrial Sales Service Inc ..... 6626 Maple St, Dallas 35, Tex	FL1-3927
Utah	Rowley-Bouvette Inc ..... 955 Folsom Ave, Salt Lake City 4, Utah	DA2-2041
Vt	G Vernon Eads & Co ..... Kent, Conn	WA7-3553
Va	South Chester Corp ..... 107 York Rd, Baltimore 4, Md	VA5-7999
Wash	H E Simi ..... P.O. Box 181, Bellevue, Seattle, Wash ..	GL4-4309
W.Va	Production Components Co ..... 1754 N. Highland Rd, Pittsburgh 28, Pa	LO3-1888
Wisc	South Chester Corp ..... 743 N. 7th St, Milwaukee, Wisc	BR3-7666
Wyo	Rowley-Bouvette Inc ..... 1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Canada	Metal & Wood Fas Dev Co ..... 6302 Papineau Ave, Montreal 35, P Q ...	CR4-9434
Canada	Black Brothers Ltd ..... 1200 Hornby St, Vancouver 1, BC, Canada	MA6221
	SOUTHERN ELECTRONICS CORP .. **150 W. Cypress Ave, Burbank, Cal**	
	SOUTHERN INSTRUMENTS LIMITED **Frimley Rd, Camberley, Surrey, England**	**CA3401**
	SOUTHERN SCREW CO ..... **P.O.Box 1360-EG, Statesville, NC** **TR3-7213**	
Cal	Southern Screw Co ..... 6465 Corvette St, Los Angeles 22, Cal ..	RA3-4881
Ill	Southern Screw Co ..... 4240 W. Peterson Ave, Chicago 46, Ill ..	AV6-0912
NJ	Southern Screw Co ..... 4100 Dell Ave, North Bergen, NJ	UN4-4330
Tex	Southern Screw Co ..... 2119 Farrington St, Dallas 7, Tex	RI8-8241
	SOUTHWESTERN IND ELECTRONICS CO ..... **10201 Westheimer Rd, Houston 19, Tex**	**HO5-3471**
	SOUTHWIRE CO ..... **4 Fertilla St, Carrollton, Ga** **TE7-6311**	
Ala	A M Arthur ..... Rt 6, Carrollton, Ga	TE2-3483
Ark	John L Marlow ..... 1619 Gibraltar Dr, Jackson, Miss	FL3-8097
Cal	C P Crowley Co ..... 117 W. 9th St, Los Angeles 15, Cal	MA2-4848
Colo	Nelson Co ..... 710 E. Louisiana St, Denver 10, Colo ...	KE4-6751
Del	Roy J Buress ..... 502 Stratford Ct, Towson, Md	VA5-6777
DC	Roy J Buress ..... 502 Stratford Ct, Towson, Md	VA5-6777
Fla	James B Floyd ..... 3709 Lochinvar Ln, Orlando, Fla	GA4-6208
Ga	Frank Cook ..... 422 Oak Ave, Carrollton, Ga	TE2-7853
Idaho	Nelson Co ..... 710 E. Louisiana St, Denver 10, Colo ...	KE4-6751
Ill	Edward M Triggs ..... 917 Northfield Dr, Lebanon, Ind	868
Ind	Edward M Triggs ..... 917 Northfield Dr, Lebanon, Ind	868
Ky	W W Calkins ..... 2312 Whipple Pl, Nashville, Tenn	TU3-7119
La	John L Marlow ..... 1619 Gibraltar Dr, Jackson, Miss	FL3-8097
Md	Roy J Buress ..... 502 Stratford Ct, Towson 4, Md	VA5-6777
Mich	Dale P Seyfried Co ..... 20424 Plymouth Rd, Detroit 28, Mich ...	BR3-3539
Miss	John L Marlow ..... 1619 Gibraltar Dr, Jackson, Miss	FL3-8097
NM	A W Graham ..... P.O. Box 69, Clovis, NM	PO3-4244
NY	Dan Mitchell ..... 401 Old Courthse Rd, New Hyde Park ...	MA7-0107
NC	James L Harris ..... 619 Yadkin St, Albemarle, NC	YU2-1946
Ohio	Edward M Triggs ..... 917 Northfield Dr, Lebanon, Ohio	868
SC	James L Harris ..... 619 Yadkin St, Albemarle, NC	YU2-1946
Tenn	W W Calkins ..... 2312 Whipple Pl, Nashville, Tenn	TU3-7119
Tex	William M Pope ..... 1124 Guthrie Dr, Waco, Tex	PL6-3206
Utah	Nelson Co ..... 710 E. Louisiana St, Denver 10, Colo ...	KE4-6751
Va	James L Harris ..... 619 Yadkin St, Albemarle, NC	YU2-1946
Wyo	Nelson Co ..... 710 E. Louisiana St, Denver 10, Colo ...	KE4-6751
	SPACE ELECTRONICS CORP ..... **930 Air Way, Glendale 1, Cal** **CI6-2583**	
	SPARTA MFG CO ..... **P. O. Box 107, Dover, Ohio** **4-2380**	
Ariz	Gramer & Co ..... 444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Cal	Robert B Porter Co ..... 1804 Chiquita Pl, Glendale 8, Cal	CH5-7631
Cal	Robert B Porter Co ..... Hayward Muni Airport, Hayward, Cal	EL7-1901
Colo	Electronic Components Sales Inc ..... 2149 S. Clermont St, Denver 22, Colo ...	SK7-1261
DC	Electronic Specialties Co ..... P.O. Box 5516, Washington 16, DC	WH6-1512
Fla	Johnson Associates of Florida ..... P.O. Box 1675, Casselberry, Fla	MI4-3311
Ill	Lutz Sales Co ..... 6677 Northeast Hwy, Chicago 31, Ill	RO3-7404
Ind	Richard G Bigler ..... 611 S. 8th St, Goshen, Ind	KE3-6740
Kan	Associated Industries Inc ..... 455 S. Washington St, Wichita, Kan	HO4-0391
Mass	Schutter-Young Co ..... 5 Ober St, Beverly, Mass	WA2-6121
Mich	Service Mfg & Supply Co ..... 315 E. State Fair, Detroit 3, Mich	TW3-6565
Mich	Gillespie Sales Engineering Co ..... 1605 Lake Dr, S.E., Grand Rapids 6, Mich	GL4-9511
Minn	The Edward Ham Co ..... P.O. Box 367, Excelsior, Minn	GR4-8609
Mo	Nagel & Nax Inc ..... 11001 Manchester Rd, St. Louis, Mo	YO6-2747
NJ	D J Fisher Co ..... 8 Depot Sq, Englewood, NJ	LO9-0090
NY	Harry W Harding ..... 17 Southgate Rd, Buffalo 15, NY	AM1164
Ohio	Industrial Distributors Inc ..... 3136 W. 25th St, Cleveland 9, Ohio	SH9-0900
Ohio	Paul Teller & Associates ..... 1022 Neeb Rd, Cincinnati, Ohio	WI1-1956
Pa	Lambert-Jones Rubber Co ..... 100 Stanwix St, Pittsburgh 22, Pa	AT1-8500
Pa	David Humes Jr ..... 124 Lee Circle, Bryn Mawr, Pa	LA5-6469
Tex	Jack I Gronberg ..... P.O. Box 291, Bellaire, Tex	MO7-7604
Wash	Associated Industries ..... 1752 Rainier Ave, Seattle 44, Wash	EA5-4400
Foreign	Amer Mfgrs Exports Assoc ..... P.O. Box 771, Canton 1, Ohio	GL2-6137
	SPARTON CORP ..... **2400 E. Gonson St, Jackson, Mich** **ST4-9131**	

	SPAULDING FIBRE CO., INC	**310 Wheeler St, Tonawanda, NY**	
Cal	Spaulding Fibre Co., Inc	1780 Shattuck Ave, Berkeley 9, Cal	TH5-7941
Cal	Spaulding Fibre Co., Inc	359A E. Magnolia Blvd, Burbank, Cal	TH5-7243
Cal	Spaulding Fibre Co., Inc	8124 S. western Ave, L A, Cal	PL3-5439
Conn	Spaulding Fibre Co., Inc	2626 Main St, Bridgeport 6, Conn	FO6-4595
Ga	Spaulding Fibre Co., Inc	1387 S. Oxford Rd, N.E., Atlanta 7, Ga	DR3-4467
Ill	Spaulding Fibre Co., Inc	4770 Lincoln Ave, Chicago 25, Ill	LO1-7867
Ill	Spaulding Fibre Co., Inc	3247 Grove Ave, Berwyn, Ill	ST8-0094
Ill	Spaulding Fibre Co., Inc	5604 W. 63rd St, Chicago 38, Ill	RE5-1919
Ill	Spaulding Fibre Co., Inc	7644 W. Belmont Ave, Chicago 34, Ill	NA5-5525
Ind	Spaulding Fibre Co., Inc	2301 Fairfield Ave, Ft. Wayne 6, Ind	HA3228
Ind	Spaulding Fibre Co., Inc	5438 Washington St, Indpls	FL9-5405
Md	Spaulding Fibre Co., Inc	2104 N. Charles St, Baltimore 18, Md	TL9-7566
Mass	Spaulding Fibre Co., Inc	30 Huntington Ave, Boston 16, Mass	CO6-2680
Mass	Spaulding Fibre Co., Inc	44 Washington St, Wellesley Hills 82	CE5-2100
Mich	Spaulding Fibre Co., Inc	964 E. Seven Mile Rd, Detroit 3, Mich	FO6-5450
Mich	Spaulding Fibre Co., Inc	2021 S. Cedar St, Lansing 10, Mich	IV2-1601
Mo	Spaulding Fibre Co., Inc	7247 Olive Blvd, St. Louis 30, Mo	PA5-4131
Mo	Spaulding Fibre Co., Inc	1500 Big Bend Blvd, St. Louis 17, Mo	MI7-4781
NJ	Spaulding Fibre Co., Inc	227 S. 6th St, Camden 1, NJ	WO3-1640
NJ	Spaulding Fibre Co., Inc	113 Central Ave, Westfield, NJ	AD2-7350
NY	Spaulding Fibre Co., Inc	384 E. 149th St, New York 55, NY	CY2-1006
NY	Spaulding Fibre Co., Inc	1206 E. Water St, Syracuse 3, NY	GR5-3176
NY	Spaulding Fibre Co., Inc	90-34 Jamaica Ave, Woodhaven 21, NY	VI9-5300
Ohio	Spaulding Fibre Co., Inc	3494 Lee Rd, Cleveland 20, Ohio	WA1-3141
Ohio	Spaulding Fibre Co., Inc	136 S. Ludlow St, Dayton 2, Ohio	BA3-2286
Ohio	Spaulding Fibre Co., Inc	1526 Wooster Rd, Cleveland 16, Ohio	EU1-6200
Wisc	Spaulding Fibre Co., Inc	8338 W. Lisbon Ave, Milwaukee 22, Wisc	JP1-3680
Foreign	Spaulding Fibre of Canada, Ltd	70 Coronet Rd, Toronto 16, Ontario, Canada	BE3-2151
Foreign	La Fibre Vulcanisee Spaulding	27 Rue Vincent Compoint, Paris, France	
Foreign	Spaulding's Ltd	40 Gloucester Way, Clerkenwell, London EC1, England	

	SPAULDING PRODUCTS CO	**550 W. Berner St, Frankfort, Ind**	**4494**
Ariz	Wallace Hobbs	P.O. Box 294, Van Nuys, Cal	ST6-9065
Cal	Wallace Hobbs	P.O. Box 294, Van Nuys, Cal	ST6-9065
Del	George Hautenschild	949 E. Godfrey, Philadelphia 24, Pa	PI4-0847
DC	George Hautenschild	949 E. Godfrey, Philadelphia 24, Pa	PI4-0847
Ga	The Hilker Co	3007 Kinnaman Rd, Winston-Salem, NC	PA4-2084
Ill	J J McBride Sales Co	328 E. Burlington, Riverside, Ill	HI7-8131
Ind	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	793
Iowa	J J McBride Sales Co	328 E. Burlington, Riverside, Ill	HI7-8131
Kan	George Kanaas Sales Co	10506 W. 89th St, Overland Park, Kan	TU6-5213
Ky	Joe Clancy Co., Inc	P.O. Box 294, Agnola, Ind	793
La	Max Heidenreich Co	6115 Denton Dr, Dallas 35, Tex	FL2-3389
Md	George Hautenschild	949 E. Godfrey, Philadelphia 24, Pa	PI4-0847
Mich	Jack M Thorpe Co	640 Hidden Ln, Detroit 36, Mich	TU4-4360
Minn	Nick Laub Co	3749 Broadway, Minneapolis, Minn	KE7-7000
Miss	Max Heidenreich Co	6115 Denton Dr, Dallas 35, Tex	FL2-3389
Mo	George Kanaas Sales Co	10506 W. 89th St, Overland Park, Kan	TU6-5213
Mont	Dale Weber Co	8 S. E. Clay, Portland 14, Ore	BE4-7671
Neb	George Kanaas Sales Co	10506 W. 89th St, Overland Park, Kan	TU6-5213
Nev	Wallace Hobbs	P.O. Box 294, Van Nuys, Cal	ST6-9065
NJ	George Hautenschild	949 E. Godfrey, Philadelphia 24, Pa	PI4-0847
NY	Edwin B Hinck Sales Co	270 N. Mountain Ave, Upper Montclair, NJ	PI6-2625
NC	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA4-2084
ND	Nick Laub Co	3749 Broadway, Minneapolis, Minn	KE7-7000
Ohio	Joe Clancy Co., Inc	P.O. Box 294, Angola, Ind	793
Okla	Max Heidenreich Co	6115 Denton Dr, Dallas 35, Tex	FL2-3389
Ore	Dale Weber Co	8 S. E. Clay, Portland 14, Ore	BE4-7671
Pa	George Hautenschild	949 E. Godfrey, Philadelphia 24, Pa	PI4-0847
SC	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA4-2084
SD	Nick Laub Co	3749 Broadway, Minneapolis, Minn	KE7-7000
Tenn	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA4-2084
Tex	Max Heidenreich Co	6115 Denton Dr, Dallas 35, Tex	FL2-3389
Va	The Hilker Co	3007 Kinnaman Rd, Winston Salem, NC	PA4-2064
Wash	Dale Weber Co	8 S. E. Clay, Portland 14, Ore	BE4-7671
Wisc	J J McBride Sales Co	328 E. Burlington St, Riverside, Ill	HI7-8131

	SPECIAL CHEMICALS CORP	**102 St. Water St, Ossining, NY**	

	SPECIALTIES INC	**Skunks Misery Rd, Syosset, NY**	**WA1-2345**
Cal	R H Suttou	1263 Westwood Blvd, Los Angeles, Cal	BR2-1372

	SPECIALTY AUTOMATIC MACHINE CORP	**80 Cambridge St, Burlington, Mass**	**BR2-0800**

	SPECIALTY ELECTRONICS DEVELOPMENT CORP	**115 Eileen Way, Syosset, NY**	**WA1-5200**
Ariz	Richard Hennessy	4026 E. 27 St, Tucson, Ariz	EA6-2127
DC	George J Gill	527 Investment Bldg, Washington, DC	ST3-2460
Ill	Gilbert Engineering Co	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Okla	W Jackson Trautvetter	P.O. Box 5857, Midwest City, Okla	JA4-2161
Pa	Sidney Steinberg	350 Rockwedge Ave, Huntingdon valley	ES9-3663
Canada	Ancarm & Soper Ltd	850 Belfast, Elmvale Acres, Ottawa, Can	CE6-3441
Foreign	Materials & Constructions	15 Rue De La Farsanderie, Paris, France	

	SPECIFIC PRODUCTS	**Box 425, Woodland Hills, Cal**	**DI0-3131**
Del	N L R Associates	19 Lenox Terr, W. Orange, NJ	RE1-0774
Fla	J Neal & Co	3931 S.W. 5th Terr, Miami, Fla	HI4-1118
NJ	N L R Associates	19 Lenox Terr, West Orange, NJ	RE1-0774
NY	N L R Associates	19 Lenox Terr, West Orange, NJ	RE1-0774
Pa	N L R Associates	529 Shoemaker Rd, Philadelphia 17, Pa	CA4-1663
Pa	N L R Associates	19 Lenox Terr, West Orange, NJ	RE1-0774
Canada	Whittaker Electronics Limited	2137 Niagara Dr, Ottawa, Ontario, Can	CE4-4686
Foreign	Sylvan Ginsbury Limited	8 W. 40th St, New York 18, NY	LO4-7585

	SPECTRA ELECTRONICS CORP	**250 E. 3rd St, Mt. Vernon, NY**	**MO8-1378**

Sales Offices See Douglas Microware Co., inc

	SPECTRANOME PLATING CO., INC	**330 W. 13 St, New York 14, NY**	**AL5-8677**

	SPECTRA-STRIP WIRE & CABLE CORP	**P. O. Box 415, Garden Grove, Cal**	**JE7-4530**
Cal	Lloyd E West Co	262 S. Los Robles Ave, Pasadena, Cal	MU1-5281
Ind	Wright Engineering Corp	P.O. Box 23107, Indianapolis, Ind	WA3-8888
Ky	Wright Engineering Corp	P.O. Box 23107, Indianapolis, Ind	WA3-8888
Mass	Drew Associates Inc	P.O. Box 467, Bedford, Mass	CR4-7232

	SPECTROL ELECTRONICS CORP	**1704 S. Del Mar, San Gabriel, Cal**	**AT7-9761**
Ala	The Candor Co	2080 Beach St, Winston Savem, NC	PA2-1432
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH5-2111
Cal	Carruth & Associates	P.O. Box 509, Redwood City, Cal	EM9-3354
Cal	David G Deklass Co	3651 Garrison St, San Diego, Cal	AC4-2401
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	Gerber Sales Co	P.O. Box 7917, New Haven, Conn	SP7-6279
Del	S K MacDonald Inc	3308-14th St, Washington, DC	CO5-3938
DC	S K MacDonald Inc	3308 14th St, Washington, DC	CO5-3938
Fla	Jack Gearthner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Fla	Jack Gearthner Co	711 Magnolia Ave, Orlando, Fla	GA4-3926
Ga	The Candor Co	2080 Beach St, Winston Salem, NC	PA2-1432
Idaho	Seatronics Inc	1817 Norman St, Seattle, Wash	EA3-8545
Ill	Knoblock & Malone	1603 N. Neland Ave, Chicago, Ill	NA2-4005
Ind	Knoblock & Malone	1603 N. Neland Ave, Chicago, Ill	NA2-4005
Iowa	Jerry Vrbik Co	419 - 3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
Kan	PEM Sales Co	8618 Brookshire Ln, University City, Mo	WY1-1539
Me	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Md	Samuel K MacDonald Inc	2016 Winford Rd, Baltimore, Md	ID5-1760
Mass	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Mich	ABM Sales Co	10116 Puritan Ave, Detroit, Mich	UN2-1300
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minnpls, Minn	WE9-6727
Mo	PEM Sales Co	8618 Brookshire Ln, University City 24	WY1-1539
Neb	Jerry Vrbik Co	419-3rd St, S.E., Cedar Rapids, Iowa	EM5-0461
NH	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
NJ	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NJ	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
NM	Brooks Feeger & Associates	1122-C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	I A Holtze Co., Inc	112 Dewitt St, Syracuse, NY	GR9-6641
NC	The Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Ohio	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton 4, Ohio	BE3-3551
Okla	T J Ray Co	P.O. Box 5417, Tulsa, Okla	WE6-7707
Ore	Seatronics Inc	1817 Norman St, Seattle, Wash	EA3-8545
Pa	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
RI	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
SC	The Candor Co	2080 Beach St, Winston Salem, NC	PA2-1432
SD	Fred B Hill Co	6110 Excelsior Blvd, Minnpls, Minn	WE9-6727
Tenn	The Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Wash	Seatronics Inc	1817 Norman St, Seattle, Wash	EA3-8545
W.Va	S K MacDonald Inc	1531 Spruce St, Philadelphia, Pa	KI5-1205
Wisc	Knoblock & Malone	1603 N. Neland Ave, Chicago, Ill	NA2-4005
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario	CE4-4686
Foreign	Bay & C s P a	Milano (133)-Via Manin 33, Milan, Italy	661.749
Foreign	Aero Materiel AB	Birger Jarlsgatan 6, Stockholm Sweden	670390
Foreign	Jiveco Electronics	21 Ave, Victor Hugo, Paris 16, France	PO25-20

	SPEC-TRONICS	**13942 Saticoy, Van Nuys, Cal**	**TR3-4732**
Cal	Allan-Cochran Co	2215 S. El Camino, San Mateo, Cal	FI5-7981
Tex	Tom Harper Co	3274 Bronard St, Houston 27, Tex	JA4-3995

	SPECTRUM INSTRUMENTS INC	**Box 61, Steinway Sta, L I City 3, NY**	**AS8-8033**

	SPEEDWAY MFG CO	**1421 Burnside Rd, LaGrange, Park, Ill**	**BI2-2200**

	SPEER RESISTOR DIV SPEER CARBON CO	**Bradford, Pa**	**8-7106**
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-7343
Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills	OL5-6340
Cal	J W Marsh Co	4216 20 W. Jefferson Blvd, L A 16, Cal	RE2-0145
Cal	J W Marsh Co	1258 Fitzgerald Ave, San Francisco 24	VA4-6714
Conn	Robert J Bahr Jr	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Fla	Jack A Benz	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ill	W A Hurtienne	5675 N. Lincoln Ave, Chicago 45, Ill	LO1-0156
Mass	Robert J Bahr	462 Granby Rd, Chicopee, Mass	LY2-3213
Mich	Henschen Jensen & Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
NY	W M Hicks	4 Spruce Dr, Roslyn, NY	MA7-6150
NY	R W Jackson	P.O. Box 2668, 4446 Main St, Buffalo 25	CI2094
Ohio	John F Kilfoil	9415 Montgomery Rd, Cincinnati 42, Ohio	SY1-6150
Pa	R H Hilderbrand	Fairview Village, Montgomery County, Pa	CH7-6225
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	JU6386
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, wash	EA1818

	SPELLMAN HIGH VOLTAGE CO	**3029 Webster Ave, New York 67, NY**	**KI7-0306**

	SPENCER-KENNEDY LABS INC	**1320 Soldiers Field Rd, Boston, Mass**	**AL4-5400**
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Cal	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Colo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn	AT8-2900
Idaho	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	BE4-9375
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Me	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4748
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Nev	Kittleson Co	416 N. LaBrea Ave, Los Angeles, Cal	WE3-7371
NH	George Gregory	99 Elm St, W. Newton, Mass	BI4-4748
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, W. Orange, NJ	RE1-1800
NM	Kittleson Co	P.O. Box 803, Alamogordo, NM	HE7-2780
NY	Louis A Garten & Associates	645 Eagle Rock Ave, W. Orange, NJ	BO9-4339
NY	S B M Associates Inc	969 Clinton Ave, S., Rochester 20, NY	GR3-6506
NY	S B M Associates Inc	9 Highland, Albany 5, NY	HE8-5381
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland 14	BE4-9375
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
RI	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4748
Utah	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Vt	George Gregory	99 Elm St, W. Newton, Mass	BI4-4832
Wash	Hawthorne Electronics	101 Adm Bldg, Boeing Field, Seattle	PA5-1460
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Wyo	Scientific Instrument Co	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Canada	E M I Cossor Electronics Ltd	2005 MacKay St, Montreal, Quebec, Can	RE3-6502
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750

	SPENCER MFG CO	**3701 Durand Rd, Racine, Wisc**	

	SPERRY ELECTRONIC TUBE DIV SPERRY RAND CORP	**P. O. Box 652, Gainesville, Fla**	**FR2-0411**
Cal	Goettel Jr/Kodera	P.O. Box 45006, Airport Sta, Los Angeles	OR6-6226
Ill	A E Pohl	3555 W. Peterson Ave, Chicago 45, Ill	KE9-5717
Mass	R D Smith	200 Boylston St, Newton, Mass	WO9-9390
NJ	R C Shepherd	P.O. Box 82, Pennsauken, NJ	NO3-2804
NY	C V Waldorf	81 Willoughby St, Brooklyn, NY	MA5-5600
Pa	R C Shepherd	P.O. Box 82, Pennsauken, NJ	NO3-2804

	SPERRY GYROSCOPE DIV SPERRY RAND	**Great Neck, NY**	**FI7-3600**
Cal	Sperry Gyroscope	Box 90006, Airport Sta, Los Angeles 45	
Cal	Sperry Gyroscope	715 Folsom St, San Francisco 7, Cal	DO2-8711
La	Sperry Gyroscope	630 Gaiennie St, New Orleans 9, La	JA5-7127
NY	Sperry Gyroscope	81 Willoughby St, Brooklyn, NY	MA5-5600
Ohio	Sperry Gyroscope	3807 W. 150th St, Cleveland 11, Ohio	WI1-7741
Wash	Sperry Gyroscope	300 W. Harrison St, Seattle 99, Wash	AT4-7551

	SPERRY MICROWAVE ELECTRONICS CO	**P. O. Box 1828, Clearwater, Fla**	**RE6-4161**
Ariz	G B Miller Co	Box 1471, Hollywood 28, Cal	
Cal	G B Miller Co	Box 1471, Hollywood 28, Cal	
Cal	Sperry Gyroscope Co	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Conn	Technical Instruments Inc	1115 Main St, Bridgeport, Conn	FO8-4582
Mass	Technical Instruments Inc	90 Main St, Reading, Mass	RE2-3930
Nev	G B Miller Co	1550 N. Highland Ave, Hollywood 28, Cal	
NJ	Louis A Garten & Associates	645 Eagle Rock Ave, W. Orange, NJ	RE1-11800
NY	Louis A Garten	645 Eagle Rock Ave, W. Orange, NJ	BO9-4339
NY	Technical instruments Inc	916 Liverpool Rd, Liverpool, NY	OL2-2534
Ohio	Sperry Gyroscope Co	118 W. 1st St, Dayton 2, Ohio	BA3-8836
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa	WA7-1200
Canada	Sperry of Canada Ltd	6011 Cote de Liesse Rd, Montreal, Que	RI7-6561

	SPERRY PHOENIX CO DIV SPERRY RAND	**Box 2529, 21111 N. 19th, Phoenix, Ariz**	**WI3-2311**
Cal	Sperry Gyroscope Co	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Cal	Sperry Gyroscope Co	715 Folsom St, San Francisco 7, Cal	DO2-8711
Cal	Sperry Gyroscope Co	Box 6572, San Diego 6, Cal	AC2-3026
Ga	Sperry Gyroscope Co	6515 Williamson Dr, N.E., Atlanta 5, Ga	BL5-4155
Kan	Sperry Gyroscope Co	1830 Industrial Ave, Wichita, Kan	AM5-3255
NY	Sperry Gyroscope Co	Great Neck, NY	FI7-3600
Ohio	Sperry Gyroscope Co	118 W. 1st St, Dayton 2, Ohio	BA3-8836
Tex	Sperry Gyroscope Co	5721 Old Ox Rd, Dallas 16, Tex	FR5-5701
Wash	Sperry Gyroscope Co	300 W. Harrison St, Seattle 99, Wash	AT4-7551

	SPERRY PIEDMONT DIV SPERRY RAND CORP	**Rt 29, Charlottesville, Va**	**36111**
Cal	Sperry Rand Corp	2200 E. Imperial Hwy, El Segundo, Cal	
Cal	Sperry Rand Corp	715 Folsom St, San Francisco, Cal	
La	Sperry Rand Corp	630 Gaiennie St, New Orleans 9, La	
NY	Sperry Gyroscope Co	Great Neck, NY	
NY	Sperry Rand Corp	81 Willoughby St, Brooklyn 1, NY	
Ohio	Sperry Rand Corp	3807 W. 150th St, Cleveland 11, Ohio	
Wash	Sperry Rand	300 W. Harrison St, Seattle 99, Wash	
Canada	Sperry Rand Corp	6011 Cote De Liesse Rd, Montreal 3, PQ Canada	

	SPERRY SEMICONDUCTOR DIV SPERRY RAND CORP	**Wilson Ave, S., Norwalk, Conn**	**VO6-1641**
Ala	Holliday-Hathaway	9 Lincoln Ave, Rutherford, NJ	MU8-5858
Cal	Sperry Semiconductor Div	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Del	Sperry Semiconductor Div	1415 Providence Rd, Towson, Md	VA3-5243
DC	Sperry Semiconductor Div	1415 Providence Rd, Towson, Md	VA3-5243
Fla	Holliday-Hathaway	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Ga	Holliday-Hathaway	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Idaho	Sperry Semiconductor Div	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Ill	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago 45, Ill	KE9-1776
Md	Sperry Semiconductor Div	1415 Providence Rd, Towson, Md	VA3-5243
Minn	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago 45, Ill	KE9-1776
NJ	Sperry Semiconductor Div	39 Summit Ave, Westwood, NJ	NO4-1950
NM	Sperry Semiconductor Div	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
NY	Holliday-Hathaway	Mamnasset, NY	MA7-7300
NY	Sperry Semiconductor Div	63 King Walk, Massapequa Park, NY	LI1-4266
NC	Holliday-Hathaway	9 Lincoln Ave, Rutherford, NJ	WE9-7217
ND	Sperry Semiconductor	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Ohio	Sperry Semiconductor	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Okla	Sperry Semiconductor	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Ore	Sperry Semiconductor	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Pa	Holliday Hathaway	9 Lincoln Ave, Rutherford, NJ	MU6-5858
SC	Holliday Hathaway	9 Lincoln Ave, Rutherford, NJ	MU8-5858
SD	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Tenn	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tex	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Utah	Sperry Semiconductor Div	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
Vt	Sperry Gyroscope Co	200 Boylston St, Newton, Mass	WO9-9390
Va	Holliday Hathaway	9 Lincoln Ave, Rutherford, NJ	MU8-5858
Wash	Sperry Semiconductor Div	2200 E. Imperial Hwy, El Segundo, Cal	OR8-6226
W. Va	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Wisc	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Wyo	Sperry Semiconductor Div	3555 W. Peterson Ave, Chicago, Ill	KE9-1776
Foreign	Sperry Gyroscope Div	Great Neck, NY	FI7-3600
	SPERTI-FARADAY	**722 Grand St, Hoboken, NJ**	**SW2-2800**
	SPHERE CO., INC., THE	**25 Amity St, Little Falls, NJ**	**CL6-2550**
Cal	C W Saxon & Associates	14098 W. Alameda, Burbank, Cal	THS-7500
Conn	L K Ingber Co	41 Cross St, West Newton, Mass	DE2-8574
Del	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
DC	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
Ill	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Ind	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids	EM5-6183
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Md	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
Mass	L K Ingber Co	41 Cross St. West Newton 65, Mass	DE2-8574
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
NH	L K Ingber Co	41 Cross St, West Newton 65, Mass	DE2-8574
NJ	The Sphere Co., Inc	25 Amity St, Little Falls, NJ	CL6-2550
NY	The Sphere Co., Inc	25 Amity St, Little Falls, NJ	CL6-2550
Okla	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Pa	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Vt	L K Ingber Co	41 Cross St, W., Newton 65, Mass	DE2-8547
Va	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
Wash	John J Nolan & Associates		
W Va	John J Nolan & Associates	314 W. Sparks St, Philadelphia 20, Pa	WA4-1595
	SPILSBURY & TINDALL LTD	**120 E. Cordova St, Vancouver, BC, Can**	**MU4-4131**
	SPIRLING PRODUCTS CO., INC	**Henrietta St & Duffy Ave, Hicksville, NY**	**WE1-6550**
Mass	Anderson Sales	177 State St, Boston, Mass	
NH	Anderson Sales	177 State St, Boston, Mass	
NY	Mercury Sales	Port Washington, NY	
NY	Jerry Kirshbaum	Hewlett, NY	
	SPIVEY INC., JAMES S	**4908 Hampden Ln, Washington 14, DC**	**OL6-8608**
NJ	Lloyd Oneal	15 Exchange Pl, Jersey City, NJ	HE4-1113
Ohio	A N Grimm	1731 Ruskin Rd, Dayton 6, Ohio	CR7-1496
	SPRAGUE ELECTRIC CO	**125 Marshall St, North Adams, Mass**	**MO3-5311**
Ala	Maitland K Smith Co	3133 Woodcliff Circle, Birmingham, Ala	TR9-7197
Cal	Sprague Electric Co	12870 Panama St, Los Angeles 66, Cal	UP0-7531
Cal	William J Purdy of California	312 7th St, San Francisco 3, Cal	UN3-3300
Colo	R G Bowen Co., Inc	721 S. Broadway, Denver 9, Colo	RA2-4641
DC	Sprague Electric Co	724 9th St, N.W., Wash 1, DC	ME8-3791
Fla	Maitland K Smith Co	117 N. Keystone Dr, Clearwater, Fla	3-98021
Ga	Maitland K Smith Co	208-14th St, N.W., Atlanta 13, Ga	TR5-8031
Ill	Sprague Electric Co	5942 W. Montrose Ave, Chicago 34, Ill	MU5-6400
Mass	Sprague Electric Co	313 Washington St, Newton 58, Mass	DE2-2900
Mich	ABM Sales Co	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Minn	H M Richardson Co	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Mo	Sprague Electric Co	3910 Lindell Blvd, St. Louis 8, Mo	JE5-7239
NJ	Sprague Electric Co	545 Cooper St, Camden 2, NJ	WO6-1776
NM	R G Bowen Co., Inc	2228-A San Mateo Blvd, N.E., Albuquerque	AL5-4603
NY	William Rutt	123 Middle Neck Rd, Great Neck, NY	HU2-8160
NY	Sprague Electric Co	50 E. 41st St, New York 17, NY	OR9-1195
Ohio	Sprague Electric Co	224 Leo St, Dayton 4, Ohio	BA3-9187
Ohio	Sprague Electric Co	24 N. Main St, Chagrin Falls, Ohio	CH7-6488
Ohio	H W Whitby Co	1061 Salem Ave, Dayton 6, Ohio	CR7-0032
Tex	Sprague Electric Co	3603 Lemmon Ave, Dallas 19, Tex	LA1-9971
Utah	R G Bowen Co., Inc	463 E. 3rd South, Salt Lake City 11, Utah	EM3-4528
	SPRAGUE ENGINEERING CORP	**19300 S. Vermont Ave, Gardena, Cal**	**FA1-1411**
	SPRAGUE OF WISCONSIN INC	**6th & Beech St, Grafton, Wisc**	**DR7-3500**
	SPRUCE PINE MICA CO	**Spruce Pine, NC**	**POS-4241**
	SQUARE D CO	**4041 N. Richards, Milwaukee 12, Wisc**	**ED2-2000**
	STACKBIN CORP	**1257 Main St, Pawtucket, RI**	**PA2-1600**
	STACKPOLE CARBON CO	**201 Stackpole St, St. Marys, Pa**	**TE4-1521**
Cal	S L Scragains Co	16042 Ventura Blvd, Encino, Cal	ST8-6661
Cal	Eichorn & Melchior Inc	749 Bryant St, San Francisco 7, Cal	DA2-1038
Conn	Karl Dornish	105 Farmington Ave, Plainsville, Conn	SH7-0633
Ill	Allen Woods	3403 Broadway, Chicago, Ill	BU1-4200
Ind	L E Secter	P.O. Box 846, Bloomington, Ind	ED6-6034
Iowa	H M Richardson Co	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Md	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
Mass	Karl Dornish	105 Farmington Ave, Plainville, Conn	SH7-0633
Mich	J E Vollmer Jr	6810 Plainfield, Dearborn, Mich	CR8-3445
Minn	H M Richardson	9 E. 22nd St, Minneapolis 4, Minn	FE6-4078
Mo	M N Herbst	1406 Ronald Dr, Webster Grove 19, Mo	WO1-9949
NJ	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
NY	Joseph Sprung Associates	254 W. 31st St, New York 1, NY	LO5-1820
NY	R W Mitscher Co	487 Ellicott Square Bldg, Buffalo, NY	WA2517
Ohio	W C Laine	3253 Lambert Pl, Cincinnati, Ohio	EA1-1435
Ohio	C A Hammer	684 Maurus St, St. Marys, Pa	TE4-1437
Ore	B C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
Tex	E F Aymond Co	P.O. Box 6595, Dallas, Tex	LA6-5233
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Foreign	Ad Auriema Suc	85 Broad St, New York 4, NY	BA9-7750
	STAFFORD MFG CO., INC	**145 E. 58 St, Brooklyn 20, NY**	**HY2-6000**
	STAINLESS INC	**Third St, North Wales, Pa**	**OX9-4871**
	STALWART RUBBER CO	**160 Northfield Rd, Bedford, Ohio**	**BE2-1500**
Ala	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Ark	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Colo	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Conn	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
Del	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
DC	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
Fla	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Ga	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Ill	Stalwart Rubber Co	7001 N. Clark St, Chicago 26, Ill	BR4-0115
Ind	Stiles & Laurence	7001 N. Clark St, Chicago 26, Ill	BR4-0115
Ind	T V Thole	P.O. Box 62, Cincinnati 39, Ohio	JA1-2475
Ind	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
Iowa	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Kan	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Ky	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
La	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Me	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
Md	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
Mass	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
Mich	Robert E Thomas	804 Fox Bldg, Detroit 1, Mich	WO3-8060
Minn	Leonard F Berg	3230 E. Hennepin Ave, Minneapolis 13	FE9-8561
Miss	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Mo	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Neb	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
NH	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
NJ	George S Morris	507 5th Ave, New York 17, NY	MU7-7335
NJ	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
NY	George S Morris	507 5th Ave, New York 17, NY	MU7-7335
NY	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
NC	Knapp Sales Inc	3252 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-5231
Ohio	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
Okla	E R Staley & Co	3903 Olive St, St. Louis 8, Mo	JE5-3155
Pa	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
Pa	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
RI	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
SC	Knapp Sales Inc	3252 Peachtree Rd, Atlanta 5, Ga	CE7-5231
Tenn	Knapp Sales Inc	3252 Peachtree Rd, Atlanta 5, Ga	CE7-5231
Tex	Engineered Products Industries	4027 Maple Ave, Dallas 19, Tex	LA8-7422
Vt	Kirk Rubber & Plastics Inc	43 Clinton St, Malden 48, Mass	DA4-7150
Va	Charles E Sweeney	P.O. Box 77, Haddonfield, NJ	HA9-7018
Wash	Benno Persitz	114 Garfield, Seattle 9, Wash	AT4-1363
W. Va	J H Woodrow	160 Northfield Rd, Bedford, Ohio	BE2-1500
Wisc	Stiles & K Laurence	7001 N. Clark St, Chicago 26, Ill	BR4-0115
Wisc	Leonard F Berg	3230 E. Hennepin, Minneapolis 13, Minn	FE9-8561
	STANCIL-HOFFMAN CORP	**921 N. Highland Ave, Hollywood 38, Cal**	
	STANDARD CABINET CO., INC	**57 Washington Ave, Carlstadt, NJ**	**GE8-1500**
Foreign	Concor International Corp	P.O. Box 1884, New Haven 8, Conn	FU9-1511
	STANDARD COIL PRODUCTS CO	**2085 N. Hawthorne St, Melrose Park, Ill**	**AU7-3000**
	STANDARD CONDENSER CORP	**3749 N. Clark St, Chicago 13, Ill**	**EA7-5440**
Ky	Technical Sales Associates	P.O. Box 187, N. Dayton Sta, Dayton 4, Ohio	
Ohio	Technical Sales Associates	P.O. Box 187, N. Dayton Sta, Dayton 4, Ohio	
	STANDARD CONTROLS INC	**1130 Poplar Pl, Seattle, Wash**	**EA4-8888**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Alaska	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Ariz	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	ST7-0447
Ark	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Cal	Egbert Engineering Associates Inc	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Cal	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	ST7-0447
Colo	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Conn	John J Goode Associates	P.O. Box 176, Wellesley Hill 81, Mass	CE5-0552
Fla	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Hawaii	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Idaho	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Ill	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	
Ill	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3660
Ind	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	
Iowa	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3660
Kan	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3660
La	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Me	John J Goode Associates	P.O. Box 176, Wellesley Hill 81, Mass	CE5-0552
Mass	John J Goode Associates	P.O. Box 176, Wellesley Hill 81, Mass	CE5-0552
Minn	Pat Lind Electronic Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3660
Mont	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Neb	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3660
Nev	Egbert Engineering Associates Inc	499 Hamilton Ave, Palo Alto, Cal	DA6-1387
NH	John J Goode Associates	P.O. Box 176, Wellesley Hill 81, Mass	CE5-0552
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NM	Western Control Equipment Co	14615 Ventura Blvd, Sherman Oaks, Cal	ST7-0447
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
ND	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Okla	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Ore	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
SC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
SD	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Tenn	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Tex	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Utah	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
Vt	John J Goode Associates	P.O. Box 176, Wellesley Hill 81, Mass	CE5-0552
Va	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	BL5-6660
Wash	Seatronics Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Wisc	Pat Lind Electronics Co	9781 Western Ave, Circle Pines, Minn	SU4-3827
Wisc	Carlson Electronic Sales	6677 N. Northwest Hwy, Chicago 31, Ill	
Wyo	Seatronics Inc	P.O. Box 2126, Idaho Falls, Idaho	JA2-7992
	STANDARD ELECTRIC TIME CO	**89 Logan St, Springfield, Mass**	**RE2-1142**
Ala	Standard Electric Time Co	2029 8 Ave, S., Birmingham, Ala	FA4-5331
Ariz	Electrical Engineering & Sales Corp	106 E. Pierce, Phoenix, Ariz	AL3-0927
Cal	Standard Electric Time Co	16 Beale St, San Francisco, Cal	SU1-5980
Cal	Standard Electric Time Co	5405 Sheila St, Los Angeles, Cal	RA3-6409
Cal	Standard Electric Time Co	1721 E. Harvey St, Fresno, Cal	AM6-1041
Cal	Standard Electric Time Co	1817 Silica Ave, Sacramento, Cal	WA2-2273
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver, Colo	GE3-6436
Conn	Peter Humphry	Kenwood Rd, Vernon, Conn	TR5-9728
DC	Standard Electric Time Co	1507 M St, N.W., Wash, DC	HO2-3647
Fla	E D Grudde Associates Inc	P.O. Box 2406, W. BaySta, Jacksonville	EL6-0258
Fla	E D Grudde Associates Inc	3150 N.W. 7 St, Miami, Fla	NE4-8571
Fla	E D Grudde Associates Inc	2903 W. Hillsborough Ave, Tampa, Fla	RE6-1071
Ga	Hatcher Sales Co	542 Forrest Rd, N.E., Atlanta, Ga	TR5-9256
Ill	Standard Electric Time Co	5216 W. Diversey Ave, Chicago, Ill	PE6-3946
Ind	Standard Electric Time Co	2036 E. 46th, Indianapolis, Ind	CL3-2434
Iowa	Standard Electric Time Co	1011 Locust St, Des Moines, Iowa	AT8-9910
La	Standard Electric Time Co	3901 Clematis Ave, New Orleans, La	WH3-7607
Md	Standard Electric Time Co	313 Professional Arts Bldg, Hagerstown	RE3-2051
Mass	Standard Electric Time Co	297 Broadway, Arlington 74, Mass	MI8-2900
Mich	Standard Electric Time Co	8440 W. Nine Mile Rd, Oak Park, Mich	LI7-3255
Minn	Standard Electric Time Co	6106 Excelsior Ave, Minneapolis	WE9-6183
Mo	Standard Electric Time Co	1103 E. 81 St, Kansas City, Mo	DE3-5497
Mo	Standard Electric Time Co	6414A S. Hampton Ave, St. Louis, Mo	PL2-8000
NJ	Standard Electric Time Co	94 Valley Rd, Montclair, NJ	PI6-7812
NY	Standard Electric Time Co	Swatling Bldg, Latham, NY	ST5-6060
NY	Standard Electric Time Co	3411 Delaware Ave, Buffalo, NY	RI8470
NY	Standard Electric Time Co	50 Church St, New York, NY	CO7-2770
NY	Standard Electric Time Co	2360 James St, Syracuse, NY	HO3-1684
Ohio	Standard Electric Time Co	2010 E. 102 St, Cleveland, Ohio	RA1-8620
Ohio	Standard Electric Time Co	79 E. State St, Columbus, Ohio	CA1-2864
Okla	Standard Electric Time Co	1221 Linwood, Oklahoma City, Okla	CE5-3952
Ore	Standard Electric Time Co	4715 S.W. Macadam Ave, Portland, Ore	CA3-9668
Pa	National Emergency Light Co	Bessemer Bldg, Pittsburgh, Pa	AT1-6638
Pa	Standard Electric Time Co	1461 Schoenersville Rd, Allentown, Pa	HE7-4874
Pa	Standard Electric Co	1 Wynnewood Rd, Wynnewood, Pa	MI2-5625
Tenn	Standard Electric Time Co	774 Adams Ave, Memphis, Tenn	JA5-9866
Tex	Standard Electric Time Co	2618 Mariana Dr, Dallas, Tex	FL7-4643
Tex	Electrical Eng & Sales Corp	2030 Texas St, El Paso, Tex	KE3-6130
Utah	Standard Electric Time Co	2809 Caroline St, Houston, Tex	CA8-2551
Utah	Electro Time & Control Co	243 E. 3 South, Salt Lake City, Utah	EM3-0405
Va	Standard Electric Time Co	8544 Patterson Ave, Richmond, Va	AT8-6028
Wash	Standard Electric Time Co	664 Northlake Ave, Seattle, Wash	ME3-1200
Wisc	Standard Electric Time Co	7613 W. State St, Milwaukee, Wisc	GR6-1766
	STANDARD ELECTRICAL MFG CO	**Haddon Ave, West Berlin, NJ**	**RO7-0207**
	STANDARD ELECTROMAGNETICS DIV CORNELL DUBILIER ELECTRIC CORP	**Walkersville, Md**	**VI5-2521**
	STANDARD ELECTRONICS DIV REEVES INSTRUMENT CORP	**Lakewood Rd, Farmingdale, NJ**	**WEB-6671**
Ala	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Alaska	Visual Electronics	356 W 40th St, New York 18, NY	PE6-8540
Ariz	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Ark	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Cal	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Colo	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Conn	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Del	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
DC	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Fla	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Ga	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Idaho	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Ill	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Ind	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Iowa	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Kan	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Ky	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
La	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Me	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Md	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Mass	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Mich	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Minn	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Miss	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Mo	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Mont	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Nev	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
NH	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
NJ	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
NM	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
NY	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
NC	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
ND	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Ohio	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Okla	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Ore	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Pa	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
RI	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
SC	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
SD	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Tenn	James Evans	3011 Ave E, Birmingham 8, Ala	ST5-3448
Tex	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Utah	Reed Haythorne	3232 E. 1st St, Tucson, Ariz	EA7-6069

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Vt	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Va	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2245
Wash	Reed Hawthorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
W. Va	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Wisc	J T Campbell	1026 17th St, N.W., Washington 6, DC	RE7-2246
Wyo	Reed Hawthorne	3232 E. 1st St, Tucson, Ariz	EA7-6069
Canada	Northern Elec Co Ltd	1600 Dorchester St, W., Montreal, Canada	WE7-6071
Foreign	CBS International	485 Madison Ave, New York, NY	PL1-2345
	STANDARD ELECTRONICS CO	**1611 W. 63 St, Chicago 36, Ill**	**PR8-4222**
Cal	Crane Associates	15419 Keswick St, Van Nuys, Cal	STO-7972
NJ	A D Associates	297 Greenbrook Rd, N. Plainfield, NJ	PL5-6766
NY	A D Associates	891 Fulton St, Valley Stream, NY	VA5-8955
Canada	Glendon Co Ltd	603 Evans Ave, Toronto, Canada	CL5-5001
	STANDARD FELT CO DIV VICTOREEN INSTRUMENT CO	**29 S. Palm Ave, Alhambra, Cal**	**AT2-5106**
Cal	Standard Felt Co	29 S. Palm Ave, Alhambra, Cal	AT2-5106
Ill	Standard Felt Co	231 S. Green St, Chicago 7, Ill	FR2-3651
Mo	George A Anderson	P.O. Box 3881, St. Louis 22, Mo	YO6-4629
NY	Standard Felt Co	114 E. 25 St, New York 10, NY	GR5-0953
Ore	E E Schenck & Co	309 S.W. 3rd Ave, Portland 4, Ore	CA8-4117
Tex	Files Sales Co	Wholesale Merchants Bldg, Dallas, Tex	RI7-1269
Wash	E E Schenck & Co	1803 8th Ave, Seattle 1, Wash	MA2-4448
	STANDARD INSERT CO	**12272 Montogue St, Pacoima, Cal**	**EM6-9529**
Cal	James N Dupree Co	1710 N. Potrero St, S. Elmonte, Cal	CU3-7681
Ill	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Ind	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
Me	Russell A Bird & Co	P.O. Box 724, Abington, Mass	TR8-0238
Mass	Russel A Bird & Co	P.O. Box 724, Abington, Mass	TR8-0238
Minn	Paul Coppini Co	3435 E. 25th St, Minneapolis, Minn	PA2-9322
NH	Russell A Bird & Co	P.O. Box 724, Abington, Mass	TR8-0238
ND	Paul Coppini Co	3435 E. 25th St, Minneapolis, Minn	PA2-9322
SD	Paul Coppini Sales Co	3435 E. 25th St, Minneapolis, Minn	PA2-9322
Vt	Russell A Bird & Co	P.O. Box 724, Abington, Mass	TR8-0238
Wisc	Karl D Engle Co	4724 N. Sheridan Rd, Chicago 40, Ill	UP8-6363
	STANDARD LOCKNUT & LOCKWASHER INC	**2250 Valley Ave, Indianapolis 18, Ind**	**ME2-9505**
	STANDARD METALS CORP	**Bond & Whiting St, N. Attleboro, Mass**	**MY5-9395**
Conn	Light Metals Associates	P.O. Box 936, Norwalk, Conn	VI7-2750
NY	Light Metals Associates	P.O. Box 936, Norwalk, Conn	VI7-2750
Pa	Russell T Brosius	1617 Pennsylvania Blvd, Philadelphia 3,	RI6-6784
	STANDARD PLASTICS INC	**Fogelsville, Pa**	**AT5-4411**
	STANDARD PRESSED STEEL CO	**Box 775, Jenkintown, Pa**	**TU4-7300**
	STANDARD RECORD MFG CO	**70 N.San Gabriel Blvd, Pasadena, Cal**	**MU1-0537**
	STANDARD SCREW CO	**2801 Washington Blvd, Bellwood, Ill**	
	STANDARD TELEPHONES & CABLES LTD	**63 Aldwych, London W.C. 2, England**	**HO4765**
	STANDARD-TOCH CHEMICALS INC	**2600 Richmond Ter, Staten Island 3, NY**	**GI2-5300**
Ill	Standard-Toch Chemicals Inc	2600 Federal St, Chicago 16, Ill	VI2-7860
NJ	George C Borthist Co, Inc	242 Paterson Ave, East Rutherford, NJ	WE9-9260
	STANDARD TOOL & MFG CO	**Arlington, NJ**	
	STANDARD WINDING CO	**44 Johnes St, Newburgh, NY**	**1541**
	STANLEY TRANSFORMER CO	**91-23 Vernon Blvd, Long Island City, NY**	
NY	Kahgan Sales Corp	1261 Broadway, New York 1, NY	MU4-7772
	STANLEY AVIATION CORP	**2581 Dallas St, Denver 8, Colo**	**EM6-3581**
Cal	Oman-Mason Corp	16611 Ventura Blvd, Encino, Cal	ST8-5650
Colo	Brown Technical & Associated Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
DC	Fred Israel	1010 Vermont Ave, N.W., Washington 5	EX3-3453
Mass	Robert B Hatch Co	19 Kearney Rd, Needham Heights 94	HI4-7550
NY	Robert J Marcy Associates	1776 Broadway, New York 19, NY	
Ohio	Frederick Harris Associates	1317 Harvard Blvd, Dayton 6, Ohio	CR5-5771
Pa	Beebe & Aikman	237 Lancaster Ave, Devon, Pa	MU8-5173
	STANPAT	**150-42 12th Rd, Whitestone 57, NY**	**FL9-1693**
	STANWYCK WINDING CO	**137 Walsh Ave, Newburgh, NY**	**JO1-3360**
	STAR EXPANSION PRODUCTS INC	**P. O. Box 108, Mountainville, NY**	**KE4-2511**
	STAR PORCELAIN CO	**61 Muirhead Ave, Trenton 9, NJ**	**EX2-3154**
	STAR STAINLESS SCREW CO	**655 Union Blvd, Totowa, NJ**	**CL6-2300**
Ala	Seiferd Sales Co	3560 Summer Ave, Memphis, Tenn	
Ark	Seiferd Sales Co	3560 Summer Ave, Memphis, Tenn	
Conn	Ellsworth Steel	1148 Stratford Ave, Stratford, Conn	
Fla	Seiferd Sales Co	3560 Summer Ave, Memphis, Tenn	
Idaho	Don J Johnson	1968 Herbert Ave, Salt Lake City 8, Utah	
Ill	Armour Screw Co	2418 W. North Ave, Chicago, Ill	
Ill	Boster Supply Co	1935 S. Wasbash Ave, Chicago, Ill	
Iowa	E Jack Means & Associates	5625 N. College Ave, Indianapolis 20, Ind	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ky	Aaron Kostman	4244 Saline St, Pittsburgh, Pa	
La	Seiferd Sales Co	3560 Summer Ave, Memphis, Tenn	
Mass	Stamas Metal Products	34 Cambria St, Boston, Mass	
Ohio	Aaron Kostman	4244 Saline St, Pittsburgh, Pa	
Okla	Seiferd Sales	3560 Summer Ave, Memphis, Tenn	
Pa	Aaron Kostman	4244 Saline St, Pittsburgh, Pa	
Tenn	Seiferd Sales	3560 Summer Ave, Memphis, Tenn	
Tex	Seiferd Sales	3560 Summer Ave, Memphis, Tenn	
Utah	Don J Johnson	1968 Herbert Ave, Salt Lake City 8, Utah	
Wash	E H Sosime Co	3618 39th Ave, W., Seattle, Wash	
W. Va	A-1 Supply Co	614 Virginia St, W., Charleston, W. Va	
Wyo	Don J Johnson	1968 Herbert Ave, Salt Lake City 8, Utah	
	STARK ELECTRONIC INSTR LTD	**Box 670, Ajax, Ontario, Canada**	**WH2-2120**
	STARRETT CO., L S	**165 Crescent St, Athol, Mass**	**CH9-3551**
	STATE LABS INC	**215 Park Ave, S., New York 3, NY**	**OR7-8400**
	STATE TESTING LAB INC	**226 Knowlton St, Bridgeport 8, Conn**	**ED4-4079**
Conn	Signalab Electronics	29 DeKalb Ave, Bridgeport, Conn	FO8-1382
NJ	Signalab Communications	70 Howe Ave, Passaic, NJ	GR1-0175
NY	Signalab Communications	70 Howe Ave, Passaic, NJ	GR1-0175
	STATES CO	**19 New Park Ave, Hartford, Conn**	
Ala	Chas W Ashby Co	1827 28th Ave, Birmingham 9, Ala	
Cal	Geo E Honn Co	420 Market St, San Francisco, Cal	
Cal	Arthur E Booth Co	265 Alexandria Ave, Los Angeles 4, Cal	
DC	Chas H Russell	4403 19th St, N., Arlington 7, Va	
Fla	Shaw Hardy Co	846 Ingraham Bldg, Miami 32, Fla	
Ga	Shaw Hardy Co	846 Ingraham Bldg, Miami 32, Fla	
Hawaii	Honolulu Elec Prod Co Ltd	Honolulu, Hawaii	
La	Electron Equipment Co	2418 Calhoun St, New Orleans 13, La	
Mass	S J King	13 Charles St, Cambridge 41, Mass	
Minn	R E Burmeister Electric Co	2215 Foshay Tower, Minneapolis 2, Minn	
Mo	C O Leaver	4030 Chouteau Ave, St. Louis 10, Mo	
NY	Carlen Representatives	132 Burnet Ave, Syracuse 3, NY	
NY	Kahant Associates	11 Park Pl, New York 7, NY	
NC	J W Carroll	P.O. Box 332, Charlotte 1, NC	
Ohio	Martin Rettger Inc	11955 Shaker Blvd, Cleveland 20, Ohio	
Va	Chas H Russell	4403 19th St, N., Arlington 7, Va	
	STATHAM INSTRUMENTS INC	**12401 W. Olympic, Los Angeles 64, Cal**	**BR3-0371**
Ala	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Alaska	F L Schulte	7719 S.E. 39th St, Mercer Island, Wash	AD2-2595
Ariz	W E Andersen	1117 Summit, N.E., Albuquerque, NM	AM8-2019
Ark	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Cal	E D Pettler	12401 W. Olympic Blvd, L A 64, Cal	GR8-0361
Colo	D A Peterson	442 Hawthorne, Brigham City, Utah	PA3-8441
Conn	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	
Conn	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Del	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
DC	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Fla	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Ga	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Idaho	F L Schulte	7719 S.E. 39th St, Mercer Island, Wash	AD2-2595
Kan	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Ky	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
La	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Me	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	DE0358
Md	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Mass	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	DE0358
Miss	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Mo	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Mont	D A Peterson	442 Hawthorne, Brigham City, Utah	PA3-8441
Nev	C O Scranton	315 Town & Country Vill, Palo Alto, Cal	DA6-9960
NH	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	DE0358
NJ	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
NM	W E Andersen	1117 Summit, N.E., Albuquerque, NM	AM8-2019
NY	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
NC	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Okla	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Ore	F L Schulte	7719 S.E. 39th St, Mercer Island, Wash	AD2-2595
Pa	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Pa	Elliott-Saries Co	23473 Concord Dr, Westlake, Ohio	ED1-8911
RI	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	DE0358
SC	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Tenn	R E Triggs	122 E. Colonial, Orlando, Fla	CH1-1574
Tex	F Hayward	P.O. Box 4751, Dallas 6, Tex	DA8-1931
Utah	D A Peterson	442 Hawthorne, Brigham City, Utah	PA3-8441
Vt	Frank Deinzer	72 Taunton Pl, Buffalo 16, NY	DE0358
Va	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Wash	F L Schulte	7719 S.E. 39th St, Mercer Island, Wash	AD2-2595
W. Va	M R Harris	20 Stern Ave, Springfield, NJ	DR6-2551
Wyo	D A Peterson	442 Hawthorne, Brigham City, Utah	PA3-8441
Foreign	Machine & Products Co	52 Wall St, New York 5, NY	WH4-4370
Foreign	Brown & Dureau Ltd	422 Collins St, Melbourne, Australia	MU8621
	STAVER CO., INC	**41 N. Saxon Ave, Bay Shore, NY**	**MO5-3628**
Ala	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ariz	Frank A Emmet	2837 W. Pico Blvd, Las Angeles 6, Cal	RE1-8211
Ark	Fred Gross	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Cal	Frank A Emmet	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Colo	Leemark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Conn	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
Del	S Wayne Garrigues	P.O. Box 74, Bala Cynwyd, Pa	MO4-5646
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Ill	J J McBride	328 E. Burlington St, Riverside, Ill	HI7-8131
Ind	Wm H Myers Jr	RFD 3, Syracuse, Ind	GL7-2832
Iowa	Leemark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
Kan	Leemark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
Ky	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
La	Fred Gross	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Me	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
Md	S Wayne Garrigues	P.O. Box 74, Bala Cynwyd, Pa	MO4-5646
Mass	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
Mich	Armstrong Sales Co	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
Miss	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta, Ga	TR6-3020
Mo	Leemark Associates	2001 Big Bend Blvd, St. Louis 17, Mo	MI7-1470
Neb	Leemark Associates	P.O. Box 8467, Kansas City, Mo	NI2-3313
NH	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
NJ	S Wayne Garrigues	P.O. Box 74, Bala Cynwyd, Pa	MO4-5646
NM	Frank A Emmet	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
NY	Melvin S Levison	172-15 Hillside Ave, Jamaica 23, NY	AX1-5610
NY	Vernon R Adams	177 White Plains Rd, Tarrytown, NY	ME1-2579
NC	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
Ohio	J H Peterson	1436 Chippewa Ave, Akron 5, Ohio	ST4-5769
Okla	Fred Gross	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Pa	S Wayne Garrigues	P.O. Box 74, Bala Cynwyd, Pa	MO4-5646
RI	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
SC	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
Tenn	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
Tex	Fred Gross	P.O. Box 1926, Dallas 21, Tex	FL1-1837
Vt	Herb Mandell	85 Pearl Ave, Revere, Mass	AT9-3787
Va	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
W. Va	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
Wisc	J J McBride	328 E. Burlington St, Riverside, Ill	HI7-8131
Canada	Atlas Radio Corp	50 Wingold Ave, Toronto 10, Canada	
	STA-WARM ELECTRIC CO	**23 N. Chestnut St, Ravenna, Ohio**	**AX6-6462**
Cal	Montgomery Brothers	1122 Howard St, San Francisco 3,	UN1-3527
Cal	Montgomery Brothers	1053 Olive St, Los Angeles 15,	RI7-5191
Colo	E & M Equipment Co	2415 15th St, Denver 2,	GL5-3651
Conn	Dittman & Greer Inc	Box 780, S. Main St, Ext, Middletown,	DI6-9606
Fla	J J Galleher	617 Cleveland St, Clearwater,	3-7706
Ga	Applebee-Church Inc	1958A Monroe Dr, N.E., Atlanta 9,	TR5-7244
Ill	Fred I Tourlelot Co	407 Dearborn St, Chicago 5,	HA7-5467
Ind	Couchman-Conant Inc	1400 N. Illinois St, Indianapolis 8,	ME5-5313
Iowa	Volco Co	215 Kahl Bldg, Davenport,	6-5233
Ky	Smysor Co	1046 Delta Ave, Cincinnati 8,	TR1-0605
Md	P V Renoff Co	333 E. 25th St, Baltimore 18,	HO7-3280
Mass	L C Pelkus & Co., Inc	683 Atlantic Ave, Boston 11,	LI2-1941
Mich	Smith Equipment Co	2842 W. Grand Blvd, Detroit 2,	TR5-2500
Minn	Volco Co	831 S. Sixth St, Minneapolis 4,	FE6-6631
NJ	R L Faber & Associates Inc	1246 Broad St, Bloomfield,	ED8-5900
NY	Niagara Electric Sales Co	505 Delaware Ave, Buffalo,	SU-4000
NY	Niagara Electric Sales Co	133 Clinton Ave, S., Rochester 4,	HA6-2070
NY	R L Faber & Associates Inc	1246 Broad St, Bloomfield, NJ	
Ohio	Anderson-Bolds Inc	2012 W. 25th St, Cleveland 13,	PR1-7112
Ohio	Smysor Co	1046 Delta Ave, Cincinnati 8,	TR1-0605
Ore	Montgomery Brothers	1632 N.W. Johnson St, Portland 9,	CA3-4197
Pa	John P Clark Co	124 S. Easton Rd, Glenside,	TU7-1776
Tenn	H R Miles & Associates	2500-B Franklin Rd, Nashville 4,	CY2-7016
Tex	L R Ward Co	3009 Canton St, Dallas 26,	RI1-9004
Wash	Montgomery Brothers	911 Western Ave, Seattle 4,	MA4-7297
Wisc	G Hatch Co., Inc	531 W. Wisconsin St, Milwaukee 3,	BR1-3021
Foreign	H Austin Lengs Co	Ravenna, Ohio	AX3-3212
	STEEL CO., HERMAN D	**Lafayette Bldg, Philadelphia 6, Pa**	**WA5-2867**
	STEEL HEDDLE MFG CO	**2100 W. Allegheny Ave, Phila 32, Pa**	**BA8-2460**
Ariz	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6116
Cal	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
Colo	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
Hawaii	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
Idaho	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
Ill	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Ind	Russ Diethert Co., Inc	2030 W. Montrose Ave, Chicago 18, Ill	LO1-7627
Mont	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
NM	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6116
NC	Russ Diethert Co., Inc	Box 510, Gastonia, NC	UN5-3771
Ore	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6116
SC	Russ Diethert Co., Inc	Box 510, Gastonia, NC	UN5-3771
Tenn	Russ Diethert Co., Inc	Box 510, Gastonia, NC	UN5-3771
Utah	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6116
Wash	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	TE0-6117
Wisc	Russ Diethert Co., Inc	1324 W. Wisconsin Ave, Milwaukee, Wisc	DI2-7484
	STEEL PROTECTION & CHEMICAL CO., INC	**Mooresville, Ind**	
	STEGER FURNITURE MFG CO	**3327 Chicago Rd, Steger, Ill**	**IN8-9350**
	STEINER-IVES CO	**Springfield Rd, Union, NJ**	**MU8-7474**
Cal	Carl Hermann Associates	P.O. Box 1179, Palo Alto, Cal	DA3-2793
Conn	Leonard J Edwards	122 Canna St, Warwick, RI	
Me	Leonard J Edwards	122 Canna St, Warwick, RI	
Mass	Leonard J Edwards	122 Canna St, Warwick, RI	
NH	Leonard J Edwards	122 Canna St, Warwick, R	
Pa	John P Clark Co	124 S. Easton Rd, Glenside, Pa	TU7-1776
Vt	Leonard J Edwards	122 Canna St, Warwick, RI	
	STELLARDYNE LABS INC	**1525 Cuyamaca, El Cajon, Cal**	**HI2-1693**
Cal	Victor Thomason	7046 Hollywood Blvd, Hollywood 28, Cal	ST2-7679
Cal	Warren M Currier	7046 Hollywood Blvd, Hollywood 28, Cal	HO4-4992
Cal	Jack A Chabek	655 S. Alviso Rd, Mountain View, Cal	YO8-6027
Ohio	Fred J Kendell	P.O. Box 568, Dayton 19, Ohio	AX8-5239
	STELMA INC	**200 Henry St, Stamford, Conn**	**DA5-4161**
Canada	Instronics Ltd	Box 100, Stittsville, Ontario, Canada	
	STEPHENS TRU-SONIC INC	**8538 Warner Dr, Culver City, Cal**	**UP0-6671**
Alaska	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Hvde Electronic Co.	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Cal	Martin Mann Associates	14751 Keswick St, Van Nuys, Cal	TR3-2850
Cal	F W Mouthhroo Co	575 Tenth St, San Francisco 3, Cal	MA1-0722
Colo	Hvde Electronic Co.	888 S. Lipan St, Denver 23, Colo	WE5-3456
Conn	Marvin Grossman	30 Ithaca Cir, Newton Lwr Falls, Mass	DE2-7481
Del	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
DC	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Hawaii	Doughertv Enterprises	P.O. Box 188, Kailua, Hawaii	262275
Idaho	Hvde Electronic Co.	888 S. Lipan St, Denver 23, Colo	WE5-3456
Ill	F C Somers & Co.	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Ill	Karet-Marcolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Ind	Karet-Marolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Iowa	F C Somers & Co.	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Kan	F C Somers & Co.	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Kv	Karet-Marcolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
La	Texport Co	3629 S. Carrollton Ave, New Orleans 25,
Me	Marvin Grossman	30 Ithaca Cir, Newton Lwr Falls, Mass	DE2-7481
Md	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
Mass	Marvin Grossman	30 Ithaca Circle, Newton Lower Falls	DE2-7481
Miss	F C Somers & Co	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Mont	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Mont	Hvde Electronic Co.	888 S Lipan St, Denver 23, Colo	WE5-3456
Neb	F C Somers & Co	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Nev	Martin Mann Associates	14751 Keswick St, Van Nuys, Cal	TR3-2850
NH	Marvin Grossman	30 Ithaca Cir, Newton Lwr Falls, Mass	DE2-7481
NJ	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
NM	Hvde Electronic Co.	5206 Constitution Ave, N.E., Albuquerque,	AM8-1111
NY	Fields & Simon Sales Co	Box 175, Verona, NJ	PI6-6717
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Okla	Texport Co	12910 Tosca Ln, Houston, Tex
Ore	Ron Merritt Co	1236 N.W. Glisan, Portland 9, Ore	CA7-1281
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Pa	Harry Estersohn	5727 Wister St, Philadelphia 38, Pa	VI8-8484
RI	Marvin Grossman	30 Ithaca Cir, Newton Lwr Falls, Mass	DE2-7481
Tex	Texport Co	2147 Farrington, Dallas, Tex	RI7-6886
Tex	Texport Co	12910 Tosca Ln, Houston, Tex
Utah	Hvde Electronic Co.	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Marvin Grossman	30 Ithaca Cir, Newton Lwr Falls, Mass	DE2-7481
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Wisc	Karet-Marcolin Inc	1803 Belle Plaine, Chicago 13, Ill	WE5-4642
Wyo	Hvde Electronic Co.	888 S. Lipan St, Denver 23, Colo	WE6-3456
Canada	Ron Merritt Co	355 Burrard St, Vancouver 1, B C, Canada	MU1-3367
Foreign	Horace M Whittlesey	Articulo 123, No 127-5, Mexico 1, D F	18-68-70
Foreign	Newcol Corp of Italy Ltd	Via Nazionale 230, Roma, Italy	478526

STERLING BOLT CO.	**363-405 W. Erie St, Chicago 10, Ill**	**SU7-3000**

STERLING MFG CO	**7201 Westwerth, Cleveland 2, Ohio**	**DL1-5100**
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass
Del	Samuel A Jeffries Co	105 Forrest Ave, Narberth, Pa
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill
Ind	Charles N Hoemig Sales Co	Butler Ct, Ft. Wayne 8, Ind
Iowa	W E Frv & Co	406 W. 34th St, Kansas City 11, Mo
Kan	W E Frv & Co	406 W. 34th St, Kansas City 11, Mo
Kv	Charles N Hoemig Sales Co	Butler Ct, Ft. Wayne 8, Ind
Me	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass
Md	Samuel A Jeffries Co	105 Forrest Ave, Narberth, Pa
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass
Mich	Herman D Mysing	18450 W. McNichols, Detroit 19, Mich
Mo	W E Frv & Co	406 W. 34th St, Kansas City 11, Mo
Neb	W E Frv & Co	406 W. 34th St, Kansas City 11, Mo
NJ	John T Carroll	3 Eastland Dr, Glen Cove, NY
NJ	Samuel A Jeffries Co	105 Forrest Ave, Narberth, Pa
NY	John T Carroll	3 Eastland Dr, Glen Cove, NY
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio
Pa	Samuel A Jeffries Co	105 Forrest Ave, Narberth, Pa
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio
RI	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston 34, Mass
Va	Samuel A Jeffries Co	105 Forrest Ave, Narberth, Pa
W.Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill
Foreign	A C Simmonds & Sons	100 Merton St, Toronto 7, Ontario, Canada

STERLING PRECISION CORP	**5 Sintsink Dr, E., Port Washington, NY**	**PO7-8200**
Ala	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Alaska	Fred Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ariz	J W Marsh Co	305 E. Indian School Rd, Phoenix, Ariz	CR4-7343
Cal	J W Marsh Co	4216-20 W. Jefferson Blvd, L A 16, Cal	RE2-0145
Colo	Gates Co	200 S. Main St, Salt Lake City, Utah
Conn	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	ED9-6041
DC	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Fla	Johnson Associates	Box 1676, Casselberry, Fla	WI4-3311
Ga	Candor Co	2080 Beach St, Winston-Salem, NC	JA3-1105
Hawaii	J W Marsh Co	4216-20 W. Jefferson Blvd, L A, Cal	RE2-0145
Idaho	Fred Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Ind	Carl Sjolander	10544 Somerset, Detroit 24, Mich	TU4-7024
Iowa	Maury E Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Kan	Maury E Bettis Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Me	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	ED9-6041
Md	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Mass	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	TU4-7024
Mich	Carl Sjolander	10544 Somerset, Detroit 24, Mich
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Mo	Harold Wilbracht	8676 Kathlyn Dr, Berkeley, Mo	HA9-2099
Mont	Fred Haight Co	3212 Eastlake Ave, Seattle, Wash	EA2-1818
Nev	J W Marsh Co	4216 W. Jefferson Blvd, L A, Cal	RE2-0145
NH	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	ED9-6041
NJ	A-D Associates	297 Greenbrook Rd, N. Plainfield, NJ	PL5-6765
NM	Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
NY	William Richter Corp	790 Linden Ave, Rochester, NY	LU6-6464
NY	A-D Associates	891 Fulton St, Valley Stream, NY	VA5-8955
NC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
ND	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ohio	Tiby Co	2245 Warrensville Center Rd, Cleve 18	ER1-5335
Okla	Maury E Bettis Co	508 N. Belmont, Wichita, Kan	MU6-7441
Ore	Fred Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Pa	Tiby Co	2245 Warrensville Center, Cleve, Ohio	ER1-5335
RI	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	ED9-6041
SC	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
SD	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6727
Tenn	Candor Co	2080 Beach St, Winston-Salem, NC	PA2-1432
Tex	Koch Engineering & Sales Co	Rt 309, Dallas, Tex	EM1-1765
Utah	Gates Co	200 S. Main St, Sale Lake City, Utah	FL8-1837
Vt	Joseph G Coppola	3743 Park Ave, Bridgeport 4, Conn	ED9-6041
Va	S W Goodman Co	32 W. Biddle St, Baltimore 1, Md	SA7-6116
Va	Candor Co	2080 Beach St, Winston Salem, NC	PA2-1432
Wash	Fred Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Wisc	Fred B Hill Co	6110 Excelsior Blvd, Minnpls 16, Minn	WE9-6727
Wisc	Zak-Cowen Associates Inc	7730 Carondelet, St. Louis, Mo	PA7-8559
Canada	Charles W Pointon Ltd	66 Racine Rd, Rexdale, Toronto, Canada	CH7-8777
Foreign	Ratelson S A	Chihuahua, Mexico	44-54

STERLING TRANSFORMER CORP	**510 Driggs Ave, Brooklyn, NY**	**ST2-4200**
Ark	Fred Gross & Co	P.O. Box 1926, Dallas, Tex	FL1-1837
Cal	Bernard L Cahn	420 Market St, San Francisco, Cal	SU1-7981
Cal	Timco Sales	6845 Louise Ave, Van Nuys, Cal	ST1-0640
Colo	Howell Sales Inc	4637 Dudley, Arvada, Colo	HA2-2497
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Del	Naudain & Bohacker	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
DC	Naudain & Bohacker	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Fla	Winfield Electronics	666 N.E. 125 St, N. Miami, Fla
Hawaii	Bernard L Cahn	420 Market St, San Francisco, Cal	SU1-7981
Idaho	Howell Sales	4637 Dudley, Arvada, Colo
Ill	Lee Mark Associates	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Kan	Lee Mark Associates	121 W. 86 St, Kansas City, Mo	NI2-3313
La	Fred Gross & Co	P.O. Box 1926, Dallas, Tex	FL1-1837
Me	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Md	Naudain & Bohacker	7301 York Rd, Towson 4, Md	VA5-5492
Mass	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Mo	Lee Mark Associates	121 W. 86 St, Kansas City, Mo	NI2-3313
Mont	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
Neb	Lee Mark Associates	121 W. 86 St, Kansas City, Mo	NI2-3313
NH	Walworth Controls	131 Main St, Rocky Hill, Conn	JA9-6806
NJ	Willzold Electronic Sales	P.O. Box 27, Rockville Ctr, NY	RO4-4022
NM	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
NY	Willzold Electronic Sales	P.O. Box 27, Rockville Ctr, NY	RO4-4022
Ohio	The Arnold Johnson Co	7565 Kenwood Rd, Cincinnati 36, Ohio	LO1-8826
Okla	Fred Gross & Co	P.O. Box 1926, Dallas, Tex	FL1-1837
Ore	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
Pa	Naudain & Bohacker	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
RI	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Tex	Fred Gross & Co	P.O. Box 1926, Dallas, Tex	FL1-1837
Utah	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
Vt	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Va	Naudain & Bohacker	Suburban Sta Bldg, Philadelphia, Pa	LO4-3194
Wash	Howell Sales	4637 Dudley, Arvada, Colo	HA2-2497
Wisc	Charles S Polacheck	1500 E. Farry Chasm Rd, Milwaukee,	FL2-8650

STERLING VARNISH CO.	**Haysville Borough, Sewickley, Pa**	**SE1550**
Cal	Western Fibrous Glass Products Co	4423 Fruitland Ave, Los Angeles 58	LU8-3211
Ind	Dean W Looman	6813 Waveland Ave, Hammond, Ind	TI4-6190
Minn	O J Lenmark Co	Plymouth Bldg, Minneapolis, Minn	FE3-6666
NJ	Robert McKeown Co	99 Dorsa Ave, Livingston, NJ	WY2-0700
NY	C F Petroski	101 Horstman Dr, Scotia, NY	FR7-0569
Ohio	Electrolock Inc	20475 Farnsleigh Rd, Cleveland, Ohio	WY1-4353
Ohio	Electrolock Inc	2003 N. Main St, Dayton 2, Ohio	CR7-3221
Wisc	Engineering Sales Co	2225 N. Humboldt Ave, Milwaukee, Wisc	LO2-3222
Canada	Sterling Varnish Co of Can Ltd	St. Catharines, Ontario, Canada	WU5-7641
Foreign	Sterling Varnish Co., Ltd	Trafford Pk, Manchester, England	0282

STEVENS-ARNOLD INC	**7 Elkin St, South Boston 27, Mass**	**AN8-1170**

STEVENS MFG CO., INC.	**P. O. Box 1007, Mansfield, Ohio**	**TU4-1311**
Ala	John L Cottrell	P.O. Box 1334, Nashville 2, Tenn	CY2-8997
Cal	Paul H Potter Associates	2390 Foothill Blvd, Pasadena, Cal	MU1-5189
Conn	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
De.	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
DC	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Ga	John L Cottrell	P.O. Box 1334, Nashville 2, Tenn	CY2-8997
Ill	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Ill	E N Taylor	6760 Stony Island Ave, Chicao 49, Ill	FA4-8532
Ind	E N Taylor	6760 Stony Island Ave, Chicago 49, Ill	FA4-8532
Iowa	E N Taylor	6760 Stony Island Ave, Chicago 49, Ill	FA4-8532
Iowa	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Kan	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Kv	John L Cottrell	P.O. Box 1334, Nashville 2, Tenn	CY2-8997
Me	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
Md	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Mass	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
Minn	E N Taylor	6760 Stony Island Ave, Chicago 49, Ill	FA4-8532
Miss	John L Cottrell	P.O. Box 1334, Nashville 2, Tenn	CY2-8997
Mo	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Neb	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
NH	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
NJ	L C Sanford	202 Woodland Ave, Rutherford, NJ	WE9-0979
NJ	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
NY	H C Johnson Agencies Inc	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
NY	L C Sanford	202 Woodland Ave, Rutherford, NJ	WE9-0979
Okla	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Ore	H D Campbell Co	220 9th Ave, N., Seattle 9, Wash	MA4-3252
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Pa	H C Johnson Agencies	111 Mt. Hope Ave, Rochester 20, NY	HA6-1090
RI	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
Tenn	John L Cottrell	P.O. Box 1334, Nashville 2, Tenn	CY2-8997
Tex	D D Darnell & Co	Johnson Dr & Nall Ave, Mission, Kan	RA2-1736
Vt	The Representatives Corp	10 High St, Boston 10, Mass	HA6-0541
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Wash	H D Campbell Co	220 9th Ave, N., Seattle 9, Wash	MA4-3252
W. Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Wisc	E N Taylor	6760 Stony Island Ave, Chicago 49, Ill	FA4-8532

STEVENS MFG CO., INC., GEO	**6022 N. Rogers Ave, Chicago 46, Ill**	**JU8-1300**
Cal	Insulation & Wires Inc	310 Shaw, S. San Francisco, Cal	PL6-0825
Cal	Insulation & Wires Inc	6415 Fleet, Los Angeles, Cal	RA3-4791
Colo	Electrical Specialty Co	2026 Arapahoe, Denver, Colo	CH4-4588
Conn	R H Whitehead Jr & Associates	57 Whitfield, Guilford, Conn	GL3-3762
Fla	A L Pritchard Co	782 64th Ave, S., St. Petersburg, Fla	OR1-7722
Ind	Harrison Blind	5762 Cadillac Dr, Indianapolis, Ind	CH4-0191
Mass	R H Whitehead Jr & Associates	2 Brimmer St, Boston, Mass	CA7-2590
Mich	R A Staff Co	2711 E. Jefferson, Detroit, Mich	LO7-7330
Mo	Frank Tanler	9827 Clayton Rd, St. Louis, Mo	WY3-1020
NY	Allied Winding Equipment Co	2 Ave J, Brooklyn, NY	CL2-6150
Ohio	R A Staff Co	1213 W. 3rd St, Cleveland, Ohio	MA1-4062
Pa	George A Shelps	1625 Spruce St, Philadelphia, Pa	KI6-1066
Tex	P J Scanlon Co	2608 Inwood, Dallas, Tex	FL1-9991
Canada	A W Andrews	1239 Tecumseh, Toronto, Ontario, Can	EM8-3478
Foreign	George Stevens Mfg Co	P.O. Box 82, Niles Branch, Niles, Ill

STEVENS PAPER MILLS INC	**Windsor, Conn**	**MU8-3661**
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	RY1-3331

STEVENS PRODUCTS INC	**86-88 Main St, East Orange, NJ**	**OR2-2140**

STEVENSON BRO & CO	**110 Race St, Philadelphia 6, Pa**	**MA7-0760**

STEWARD MFG CO., D M	**3600 Jerome Ave, Chattanooga, Tenn**	**TA1-1561**
Ala	Herron & Co	15 Cinderella Rd, Lookout Mtn, Tenn	VE1-6783
Ariz	Electrical Specialty Co	916 W. Adams St, Phoenix, Ariz	AL2-2107
Ark	Herron & Co	15 Cinderella Rd, Lookout Mtn, Tenn	VE1-6783
Cal	Electrical Specialty Co	2820 E. 12th St, Los Angeles, Cal	AN5-9511
Cal	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
Colo	Electrical Specialty Co	2026 Arapahoe St, Denver, Colo	CH4-4588
Conn	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
Del	H S Bancroft & Co	209 Cooper St, Collingswood 7, NJ	UL4-8000
DC	H S Bancroft & Co	209 Cooper St, Collingswood 7, NJ	UL4-8000
Fla	Manufacturers Sales Co	750 43rd Ave, N.E., St. Petersburg, Fla	OR1-4041
Ga	Herron & Co	15 Cinderella Rd, Lookout Mtn, Tenn	VE1-6783
Idaho	Electrical Specialty Co	212 N.W. 14th St, Portland, Ore	CA7-3188
Ill	Knoblock & Malone Inc	1603 N. Newland Ave, Chicago 35, Ill	NA2-4005
Ill	A O Woerner & Sons	4030 Chouteau Ave, St. Louis, Mo	FR1-2780
Ind	Knoblock & Malone Inc	Rural R.F.D., Sidney, Ohio	HY2-2403
Iowa	A A Gustafson	Griggs-Midway Bldg, St. Paul 4, Minn	MI4-7630
Ky	Petrie-Ingram Co	P.O. Box 194, Dayton, Ohio	CR7-2401
Me	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
Md	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	UL4-8000
Mass	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
Mich	Daniel Clifford	Fisher Bldg, Detroit, Mich	TR5-3544
Minn	A A Gustafson	Griggs-Midway Bldg, St. Paul 4, Minn	MI4-7630
Miss	Herron & Co	4394 18th Ave, Meridian, Miss	2-1878
Mo	A O Woerner & Sons	4030 Chouteau Ave, St. Louis, Mo	FR1-2780
Mont	Electrical Specialty Co	2406 1st Ave, S., Seattle, Wash	MA3-8061
Nev	Electrical Specialty Co	158-168 11th St, San Francisco 3, Cal	HE1-8450
NH	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
NJ	W S Mills	25 Samson Ave, Madison, NJ	FR7-7747
NJ	H S Bancroft & Co	209 Cooper St, Collingswood 7, NJ	UL4-8000
NM	Electrical Specialty Co	916 W. Adams St, Phoenix, Ariz	AL2-2107
NY	W S Mills	25 Samson Ave, Madison, NJ	FR7-7747
NY	Reed-Tollefson Corp	2815 Monroe Ave, Rochester 18, NY	HI5-0450
NY	Reed-Tollefson Corp	P.O. Box 368, Alexander, NY	FI3-5898
NC	Manufacturers Sales Corp	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Ohio	Petrie-Ingram Co	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Ohio	Petrie-Ingram Co	P.O. Box 194, Dayton, Ohio	CR7-2401
Ore	Electrical Specialty Co	212 N.W. 14th St, Portland, Ore	CA7-3188
Pa	Petrie-Ingram Co	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Pa	H S Bancroft	1801 Faunce, Philadelphia, Pa	PI2-9222
RI	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
SC	Manufacturers Sales Corp	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Tenn	Herron & Co	15 Cinderella Rd, Lookout Mountain, Tenn	VE1-6783
Utah	Electrical Specialty Co	2026 Arapahoe St, Denver, Colo	CH4-4588
Vt	Richard Gale	P.O. Box 6, Reading, Mass	RE2-1829
Va	Manufacturers Sales Corp	509 Cornwallis Dr, Greensboro, NC	BR4-1401
Wash	Electrical Specialty Co	2406 First Ave, S., Seattle, Wash	MA3-8061
W. Va	Petrie-Ingram Co	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Wisc	A A Gustafson	Griggs-Midway Bldg, St. Paul 4, Minn	MI4-7630
Wyo	Electrical Specialty Co	2026 Arapahoe St, Denver, Colo	CH4-4588
Foreign	Teltech International Corp	431 5th Ave, New York 16, NY	MU3-2400
Canada	Glendon Co Ltd	603 Evans Ave, Toronto, Ont, Canada	RO6-8121

STEWART ENGINEERING CO	**467 Bean Creek Rd, Santa Cruz, Cal**	**GA6-4100**

STEWART CORP., F W	**4311 Ravenswood Ave, Chicago 13, Ill**	**GR2-6600**
Cal	F W Stewart Corp	2404 S. Grand Ave, Los Angeles 7, Cal	RI7-0139

STEWART STAMPING CO	**624 Central Park Ave, Yonkers 4, NY**	**YO5-0816**

STICHT CO., INC., HERMAN H	**27 Park Pl, New York 7, NY**	**RE2-8163**
Ala	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga
Cal	T R Routh Co	1209 Capuchino Ave, Burlingame, Cal
Cal	Kennematt Co	P.O. Box 2007, Van Nuys, Cal
Conn	Dittman & Greer Inc	P.O. Box 780, Middletown, Conn
Del	Thomas A Closs Co	21 W. Pennsylvania Ave, Towson, Md
DC	Thomas A Closs Co	21 W. Pennsylvania Ave, Towson, Md
Fla	Ward Engineering Co	P.O. Box 5545, Miami, Fla
Ga	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga
Idaho	James L Kearns Co	P.O. Box 5108, Portland, Ore
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago, Ill
Ill	C O Leaver Co	4030 Chouteau Ave, St. Louis, Mo
Ind	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati, Ohio
Iowa	Volco Co	831 S. 6th St, Minneapolis, Minn

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Kan	C O Leaver Co.	111 E. Gregory Ave, Kansas City, Mo	
Ky	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati, Ohio	
La	W J Keller	1024 Harding Dr, New Orleans, La	
Me	David A Healey	610 Atlantic Ave, Boston, Mass	
Md	Thomas H Closs Co	21 W. Pennsylvania Ave, Towson, Md	
Mass	David A Healey	610 Atlantic Ave, Boston, Mass	
Mich	E B Anderson Co.	12810 Puritan Ave, Detroit, Mich	
Minn	Volco Co.	831 S. 6th St, Minneapolis, Minn	
Miss	W J Keller	1024 Harding Dr, New Orleans, La	
Mo	C O Leaver Co.	4030 Chouteau Ave, St. Louis, Mo	
Mont	James L Kearns Co.	P.O. Box 5108, Portland, Ore	
NH	David A Healey	610 Atlantic Ave, Boston, Mass	
NC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	
ND	Volco Co.	831 S. 6th St, Minneapolis, Minn	
Ohio	Martin-Rettzer Inc.	11955 Shaker Blvd, Cleveland, Ohio	
Ohio	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati, Ohio	
Okla	James E Dyer Co.	P.O. Box 1226, Tulsa, Okla	
Ore	James L Kearns Co.	P.O. Box 5108, Portland, Ore	
Pa	Penn-Del Instrument Sales Co	P.O. Box 4361, Philadelphia, Pa	
Pa	Russell F Clark Co.	1404 Clark Bldg, Pittsburgh, Pa	
RI	David A Healey	610 Atlantic Ave, Boston, Mass	
SC	Associated Agents Inc	P.O. Box 2513, Greensboro, NC	
SD	Volco Co.	831 S. 6th St, Minneapolis, Minn	
Tex	William E Brice Co.	303 Bastrop St, Houston, Tex	
Vt	Carse Electric Co.	P.O. Box 4127, Albany, NY	
Wash	James L Kearns Co.	P.O. Box 5108, Portland, Ore	
W. Va	Russell F Clark Co.	1404 Clark Bldg, Pittsburgh, Pa	
Wisc	Morris F Jacobs Co.	2218 N. 3 St, Milwaukee, Wisc	
	STIMPSON CO., INC., EDWIN B.	**74 Franklin Ave, Brooklyn 5, NY**	**UL5-3131**
	STODDART AIRCRAFT RADIO CO INC	**6644 Santa Monica Blvd, Hollywood, Cal**	**HO4-9292**
	STOKES CORP., F J	**5500 Tabor Rd, Philadelphia 20, Pa**	**CU9-0100**
Ala	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Alaska	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
Ariz	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
Ark	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Cal	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
Conn	J C Coleman	77 Bedford St, Stamford, Conn	DA3-2335
Conn	H G Roman	252 Main St, Portland, Conn	DI6-2601
Fla	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Ga	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Ill	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Ind	M S Adler	2036 E. 22nd St, Cleveland 15, Ohio	SU1-7120
Iowa	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Kan	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Ky	M S Adler	2036 E. 22nd St, Cleveland 15, Ohio	SU1-7120
La	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Me	H G Roman	252 Main St, Portland, Conn	DI6-2601
Mass	D E Shepherd	187 Concord Ave, Cambridge 38, Mass	
Mich	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Minn	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Miss	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Mo	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Mont	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Neb	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Nev	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
NH	H G Roman	252 Main St, Portland, Conn	DI6-2601
NJ	R H Stalbaum & N Huising	2165 Morris Ave, Union, NJ	MU8-2345
NM	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
NY	R H Stalbaum & N Huising	2165 Morris Ave, Union, NJ	MU8-2345
NY	F Ted Hahn	1795 Monroe Ave, Rochester 18, NY	GR3-1940
NC	J D Robertson	3133 Maple Dr, N.E. Atlanta 5, Ga	CE7-1506
ND	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Ohio	M S Adler	2036 E. 22nd St, Cleveland 15, Ohio	SU1-7120
Ohio	J A West	3070 Far Hills Ave, Dayton 29, Ohio	AX3-8302
Okla	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Ore	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
RI	H G Roman	252 Main St, Portland, Conn	DI6-2601
SC	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
SD	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Tenn	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Tex	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Utah	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
Vt	H G Roman	252 Main St, Portland, Conn	DI6-2601
Va	J D Robertson	3133 Maple Dr, N.E., Atlanta 5, Ga	CE7-1506
Wash	E Hogan & R Freberg	15 N. Euclid Ave, Pasadena 1, Cal	MU1-8619
Wisc	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
Wyo	S S Helliwell & W E Henneman	3058 W. Peterson Ave, Chicago 45, Ill	RO4-8040
	STONE CITY PRODUCTS CO	**1206-7th St, Bedford, Conn**	**BR5-3373**
	STONE LABS INC	**1312 Tremont St, Boston 20, Mass**	
NY	M Low Inc	44 Fulton St, New York 38, NY	CO7-5480
Pa	Briggs Associates Inc	10 DeKalb St, Norristown, Pa	BR9-0400
	STONE PAPER TUBE CO DIV STONE STRAW CORP	**900 Franklin St, N.E., Washington 17, DC**	**NO7-3100**
	STONHARD CO., INC.	**401 N. Broad St, Philadelphia 8, Pa**	**WA2-7400**
Ala	F J Sabathier	1319 Tchoupitoulas St, New Orleans, La	JA5-7181
Ark	F F Edmondson		
Cal	H Becklund	1267 N. Vermont Ave, Los Angeles, Cal	NO5-6168
Cal	L Clausell	115 New Montgomery St, San Francisco,	GA1-5468
Conn	T H McMahon	15 Wilcock St, Dorchester, Mass	GE6-8400
DC	E F Stallo	2301 N. Charles St, Baltimore, Md	BE5-4161
Ga	W S Denton	651-63 Humphries St, S.W., Atlanta, Ga	MU8-4110
Ill	W Felvey	28 E. Jackson Blvd, Chicago, Ill	WA2-5499
Iowa	G C Stromer	801 S. 15th St, Omaha, Neb	AT1202
La	F J Sabathier	1319 Tchoupitoulas St, New Orleans, La	JA5-7181
Md	E F Stallo	2301 N. Charles St, Baltimore, Md	BE5-4161
Mass	T H McMahon	15 Wilcock St, Dorchester, Mass	GE6-8400
Mich	G H Van Zytveld	W. Fort & Tenth Sts, Detroit, Mich	WO2-3540
Minn	L T Schwaab	463 N. Fairview Ave, St. Paul, Minn	MI4-0122
Miss	F J Sabathier	139 Tchoupitoulas St, New Orleans, La	JA5-7181
Mo	G F Becker	3544 Lindell Blvd, St. Louis, Mo	OL2-7675
Neb	G C Stromer	801 S. 15th St, Omaha, Neb	AT1202
NY	H C Nielsen	499 5th Ave, New York, NY	OX7-1975
Ohio	J J Foley	307 E. Fourth St, Cincinnati, Ohio	MA1-9444
Ohio	J J Foley	1678 Norwood Ave, Toledo, Ohio	JO6580
Pa	W S Clark	1301 Clark Bldg, Pittsburgh 22, Pa	CO1-4656
Pa	W S Clark	401 N. Broad St, Philadelphia, Pa	WA2-7400
RI	T H McMahon	15 Wilcock St, Dorchester, Mass	GE6-8400
SC	W S Denton	651-63 Humphries St, S.W., Atlanta, Ga	MU8-4110
SD	G C Stromer	801 S. 15th St, Omaha, Neb	AT1202
Tex	E N Davies	3301 Montrose Blvd, Houston, Tex	JA3-1550
Va	M C Arnold	1 N. 6th St, Richmond, Va	MI3-0772
	STONITE COIL CORP	**US Rt 130, Yardville, Pa**	
	STOW MFG CO	**101 Shear St, Binghamton, NY**	**RA3-6411**
NY	G H Karlen	519 S. Fifth St, Mt. Vernon, NY	4-1111
	STRAND LABORATORIES INC	**294 Centre St, Newton 58, Mass**	**WO9-8890**
Ariz	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-3860
Cal	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-3860
Del	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
DC	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
Iowa	Engineering Services	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Kan	Engineering Services	4550 Main St, Kansas City, Mo	JE1-7765
Md	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
Mo	Engineering Services	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Neb	Engineering Services	8325 E. Indianapolis, Wichita, Kan	MU3-3751
NJ	Lewis Slubin & Co	2305 Fairmount Ave, Philadelphia, Pa	CE6-2072
NJ	Hunter & Salsbury Inc	87 Broadway, Hicksville, L I, NY	WE8-1080
NM	J E Hachten Co	8413 Las Tunas Dr, San Gabriel, Cal	CU3-3860
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, L I, NY	WE8-1080
Ohio	M P O'Dell Co	26614 Center Ridge Rd, Westlake, Ohio	
Okla	Norvell Associates Inc	3603 Lemmon Ave, Dallas, Tex	
Tex	Norvell Associates Inc	3603 Lemmon Ave, Dallas, Tex	
Va	Brimberg Associates	Investment Bldg, Washington, DC	DE2-8000
Foreign	Dage Corp	219 E. 44th St, New York, NY	MU2-6755
	STRANDBERG ENGRG LABS INC	**225 Summit Ave, Greensboro, NC**	**BR4-1651**
Ga	Carl B Pederson	34 Eleventh St, N.E., Atlanta 9, Ga	TR5-3938
Mass	Textile Parts Inc	24 School St, Taunton, Mass	
NC	C Allan Matthews	Box 9191, Plaza Sta, Greensboro, NC	BR5-3863
NC	Associated Agents Inc	Box 2513, Greensboro, NC	BR4-3051
SC	F Neal Houston	Box 5161, Sta B, Greenville	CH4-3249
Tex	John C Long	Box 4871, Greenville Ave Sta, Dallas, Tex	
Foreign	Hubert N Robbins	Apartado Aereo 20-11, Cali-Valle, Colombia	
	STRAND ENGINEERING CO	**1354 N. Main St, Ann Arbor, Mich**	**NO2-3127**
	STRATOCON CORP	**Box 10, Morristown, NJ**	**JE8-9100**
	STRAT-O-SEAL MFG CO	**3039 W. Fullerton Ave, Chicago 47, Ill**	**HU9-1282**
Cal	Mulvin & Co	3843 E. Colorado Blvd, Pasadena, Cal	RY1-4591
NJ	W E Girard Co	715 Fairfield Rd, Glenside, Pa	TU7-4411
Pa	W E Girard Co	715 Fairfield Rd, Glenside, Pa	TU7-4411
Canada	Crobel Ltd	790 E. Blvd, Charest, Quebec 2, Canada	4-5201
	STREETER-AMET CO	**Grayslake, Ill**	**BA3-4801**
Ala	A L Bell	337 First Ave, Birmingham, Ala	FA4-2459
Cal	R A Voll	79 Throckmorton St, Mill Valley, Cal	DU8-3260
Mich	Jack Lowry	19457 James Couzens Hwy, Detroit, Mich	BR3-3190
Pa	W R Daniels	129 N. 8th St, Allentown, Pa	HE4-4371
Pa	J H Minor	197 Castle Shannon Blvd, Pittsburgh	LO1-2733
	STREMPEL INSTRUMENT CORP	**R.D. 1, Lake George, NY**	**GL2-8098**
	STROBLITE CO	**77 W. 45 St, New York, NY**	**CI5-7911**
	STROMBERG CARLSON DIV GENERAL DYNAMICS CORP	**100 Carlson Rd, Rochester 3, NY**	**HU2-2200**
Cal	J E Morrison	5415 York Blvd, Los Angeles, Cal	
Cal	Wayne Wainwright	P.O. Box 926, Los Gatos, Cal	
Colo	J A Gedney	6895 W. Fifth Ave, Lakewood, Colo	
Ga	Stromberg Carlson	750 Ponce de Leon Pl, N.E., Atlanta, Ga	
Ill	A V Samuelson	839 Oak St, Elgin, Ill	
Ill	R A Pitcher	1906 E. Willow St, Wheaton, Ill	
Md	E W J Spurway	8206 Osage Ln, Bethesda, Md	
Mass	A J Massara	368 Longwood Ave, Boston, Mass	
Mich	H W Hess	4414 Groveland Ave, Royal Oak, Mich	
Mo	Stromberg-Carlson	2612 N. Kingshighway, St. Louis, Mo	
Mo	Stromberg-Carlson	2017 Grand Ave, Kansas City, Mo	
NY	D G Ross	610 Fifth Ave, New York, NY	
Pa	A A Schulhoff	1611-A Church Ln, Philadelphia, Pa	
Tex	O Rader	1615 Bluebonnet Dr, Ft. Worth, Tex	
Tex	D W Gipe Jr	2918 Blackburn St, Dallas, Tex	
	STROMBERG-CARLSON DIV GEN DYNAMICS CORP	**1895 Hancock St, San Diego 12, Cal**	**CY8-8331**
	STRUTHERS-DUNN INC	**Lambs Rd, Pitman, NJ**	**LU9-7500**
Cal	A W Nash Co	2112 S. Atlantic Blvd, Los Angeles	AN9-7304
Cal	Eichorn & Melchoir Co	749 Bryant St, San Francisco, Cal	DO2-1039
Fla	Chris Small	P.O. Box 1346, Orlando, Fla	GA4-2071
Ga	E A Thornwell Inc	1537 Howell Mill Rd, N.W., Atlanta, Ga	TR5-7895
Ill	Struthers-Dunn Inc	1167 Wilmette Ave, Wilmette, Ill	AL1-5722
Kan	C P Lohr Co.	2205 Grand Ave, Kansas City 8, Mo	HA1-6624
Mass	Electrical Apparatus Co., Inc	1200 Soldiers Field Rd, Boston, Mass	ST2-7440
Mo	C P Lohr Co.	1110 S. Brentwood Blvd, St. Louis 17, Mo	PA5-9794
NJ	George Moler	P.O. Box 240, Haddonfield, NJ	HA8-2440
NY	Kahant Associates	11 Park Pl, New York 7, NY	CO7-5326
NY	Herbert Zang	99 Crestwood Blvd, Buffalo 16, NY	VI3677
NY	Langauth Olson Co	37 Murray St, New York 7, NY	BA7-7293
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte, NC	FR6-4792
Ohio	Beedle Equipment Co	379 W. First St, Dayton, Ohio	BA3-6522
Ohio	Beedle Equipment Co	Roselawn Ctr Bldg, Cincinnati 39, Ohio	JE1-2640
Ohio	J L Finnicum & Associates	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7477
Pa	Russell F Clark Co.	1409 Clark Bldg, Pittsburgh 22, Pa	AT1-8089
Tex	J Y Schoonmaker Co	Redfield 5328, Box 35266, Dallas 35,	LA6-7238
Wash	Eicher & Co	5 W. Harrison St, Seattle 99, Wash	AT4-1811
Canada	Struthers-Dunn Relay Div	349 Carlwa Ave, Toronto 8, Ontario, Can	HO1-3511
	STUECK INC., W WHITNEY	**Box 355EG, Old Saybrook, Conn**	**EV8-9309**
	STURRUP INC	**50 Silver St, Middletown, Conn**	**DI6-9681**
	STURTEVANT CO., P A	**Addison, Ill**	**TE4-2000**
Cal	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles 6, Cal	RI7-9221
Colo	C F L C C	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	R W Secor	66 Brightwood Ln, West Hartford, Conn	AD2-7981
Fla	Joseph W George	P.O. Box 429, Pinellas Park, Fla	
Ill	Russell Swanson	7101 Stony Island, Chicago 49, Ill	MI3-1082
Ill	Elmer H Unthorn	5216 W. Winona, Chicago 30, Ill	TE4-2000
Ind	R H Thompson	333 N. Pennsylvania Ave, Inoplis 4, Ind	ME5-9393
Md	Metal Axles Agents Inc	318 Mathieson Bldg, Baltimore 2, Md	LE9-0706
Mich	Hodgson-Geisler Co	18917 James Couzens, Detroit 35, Mich	DI1-2580
Mo	Louis A Hoppe	8114 Rosalie, St. Louis 17, Mo	MI7-3420
Mo	Arnold G Holtan	6211 Oak St, Kansas 13, Mo	JA3-4888
NY	A E Fredenberg	639 S. Warren St, Syracuse, NY	HA2-6628
NY	O E M Representative Inc	Box 98, S. Richmond Hill Sta, Jamaica 19	VI7-4718
NC	Crotts & Saunders Engineering Inc	235 N. Main St, Winston-Salem, NC	PA4-0163
Ohio	Industrial Distributors Inc	3136 W. 29th St, Cleveland 9, Ohio	SH9-0300
Okla	W A Bradley	5001 N. Miller Blvd, Oklahoma City, Okla	WI3-5065
Pa	Metal-Axles Inc	2314 N. 9th St, Philadelphia 33, Pa	ST2-4232
Foreign	Exportadora Inc of Ill	188 W. Randolph, Chicago, Ill	FR2-3689
Canada	Monahan Supply Corp Ltd	189-191 Queen St, E., Toronto 2, Ontario, Canada	
Canada	Eric Singer	345 W. 13th Ave, Vancouver 10, B. C., Canada	
	SUBMINIATURE INSTRUMENTS CORP	**3705 Sunnyside Dr, Riverside, Cal**	**OV6-7133**
Ala	Sub Instruments Corp	3405 Lookout Dr, Huntsville, Ala	JE6-8393
Ala	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Ariz	Malcolm Ross & Co	1623 La Cienega Blvd, L A 35, Cal	BR2-3103
Cal	Electrosources Inc	201 Town & Country Village, Palo Alto	DA1-0776
Cal	Malcolm Ross & Co	1623 S. LaCienega Blvd, Los Angeles	BR2-3103
Conn	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Del	Stemler Associates & Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
DC	Stemler Associates & Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
Fla	Sub Instruments Corp	711 Magnolia, Orlando, Fla	GA5-5682
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Idaho	Don Smith Sales Co.	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Ill	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-5219
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Ky	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Me	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Md	Stemler Associates & Co., Inc	511 Charles St, N., Baltimore, Md	PL2-3211
Mass	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
Nev	Electro Sources Inc	201 Town & Country Vlg, Palo Alto, Cal	DA1-0776
NH	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
NJ	Stemler Associates & Co	P.O. Box 36, Moorestown, NJ	NO2-1313
NY	Bressler Associates	4808 Bergenline Ave, Union City, NJ	UN4-9577
NC	Stemler Associates & Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
Ohio	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
Ore	Don Smith Sales Co.	2320 N. 45th St, Seattle 3, Wash	ME3-3160
Pa	Stemler Associates & Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
Pa	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
RI	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
SC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Tenn	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla	
Vt	V J Huntoon Co	908 Belmont Ave, Springfield 8, Mass	ST8-8516
Va	Stemler Associates & Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	ME3-3160
W. Va	Weller-Rahe Co	P.O. Box 212, Worthington, Ohio	TU5-7819
	SULLIVAN LTD., H W	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
Cal	Sales Representatives: See Aldis Brothers Ltd		
	SUMMERS GYROSCOPE CO	**2500 Broadway, Santa Monica, Cal**	**EX3-6711**
DC	R G Malcolm	5905 Wilshire Dr, Washington 16, DC	OL6-8217
Ohio	H J Schiele	333 W. First, Dayton 2, Ohio	BA4-5772
	SUMMERS & MILLS INC	**911 W. Commerce, Dallas 8, Tex**	**RI1-4246**
	SUMMIT COIL CO	**4 Claremont Rd, Bernardsville, NJ**	**BE6-0744**
NJ	A L Livera & Associates	4 Green Village Rd, Madison, NJ	
NY	A L Livera & Associates	4 Green Village Rd, Madison, NJ	
	SUMMIT ELECTRONICS INC	**7 Industrial Pl, Summit, NJ**	**CR7-0584**
	SUMMIT INDUSTRIES INC	**2114 W. Rosecrans Ave, Gardena, Cal**	**FA1-3212**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	SUN DIAL CORP ..... **E. Passaic Ave, Caldwell, NJ**	**CA6-4334**
Mass	Gilbert L Wade ..... P.O.Box 229, Byfield, Mass	H05-3115
	SUN ELECTRIC CORP ..... **6323 Avondale Ave, Chicago 31, Ill**	**NE1-6000**
Ala	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta, Ga ...	PL3-3104
Ariz	Harry A Moore Sales Co ..... 505 E. Indian School Rd, Phoenix, Ariz	CR4-0060
Ark	M F Klicpera Co ..... P.O. Box 3113, Houston 1, Tex	JA2-8459
Cal	R L Pfleger Co ..... 1652 Laurel St, San Carlos, Cal	LY1-0396
Cal	Bray & Carter Inc ..... 2234 W. 11th St, Los Angeles 6, Cal ...	DU9-3173
Colo	Cox Sales Co ..... 51 Ogden St, Denver 18, Colo	PE3-6772
Conn	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Del	Keefe Electronic Sales Co ..... 228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Fla	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta, Ga ...	PL3-3104
Ga	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta, Ga ...	PL3-3104
Idaho	Richard Legg Co ..... 1633 N.W. 21st Ave, Portland 9, Ore ...	CA3-9720
Ill	Hill & Gray Inc ..... 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Ill	Fornstat-Young Sales Co ..... 4057 Broadway, Kansas City, Mo	VA1-5330
Ind	R T Mathews & Co ..... 2527 Westbrook Dr, Ft. Wayne, Ind	
Iowa	D R Hausten Co ..... 607 E. Willow, Wheaton, Ill	MO8-7312
Kan	Fornstat-Young Sales Co ..... 4057 Broadway, Kansas City, Mo	VA1-5330
Ky	R T Mathews & Co ..... 2527 Westbrook Dr, Ft. Wayne, Ind	
La	M F Klicpera Co ..... P.O. Box 3113, Houston 1, Tex	JA2-8459
Me	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Md	Keefe Electronic Sales Co ..... 228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
Mass	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Mich	R S Lochmann Co ..... 12330 Fenkell, Detroit 27, Mich	UN2-9465
Minn	Lloyd F Murphy & Associates ..... 1700 Hennepin Ave, Minneapolis 3, Minn	FE9-4851
Miss	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Mo	Fornstat-Young Sales Co ..... 4057 Broadway, Kansas City, Mo	VA1-5330
Mont	Richard Legg Co ..... 1633 N.W. 21st Ave, Portland 9, Ore ...	CA3-9720
Neb	Fornstat-Young Sales Co ..... 4057 Broadway, Kansas City, Mo	VA1-5330
Nev	R L Pfleger Co ..... 1652 Laurel St, San Carlos, Cal	LY1-0396
NH	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
NJ	Keefe Electronic Sales Co ..... 228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
NM	Cox Sales Co ..... 51 Ogden St, Denver 18, Colo	PE3-6772
NY	Midstates Research Sales Inc ..... 327 Wellesley Rd, Syracuse 7, NY	GR8-8314
NY	Wally Shulan & Co ..... 880 Bergen Ave, Jersey City, NJ	
NC	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
ND	Lloyd F Murphy & Associates ..... 1700 Hennepin Ave, Minnpls 3, Minn	FE9-4851
Ohio	F P Yarussi Co ..... 312 Spring Valley Rd, Pittsburgh 16, Pa	
Okla	M F Klicpera Co ..... P.O. Box 3113, Houston 1, Tex	JA2-8459
Ore	Richard Legg Co ..... 1633 N.W. 21st Ave, Portland 9, Ore ...	CA3-9720
Pa	F P Yarussi Co ..... 312 Spring Valley Rd, Pittsburgh 16, Pa	
Pa	Midstates Research Sales Inc ..... 327 Wellesley Rd, Syracuse 7, NY	GR8-8314
RI	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
SC	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
SD	Lloyd F Murphy & Associates ..... 1700 Hennepin Ave, Minnpls 3, Minn ...	FE9-4851
Tenn	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Tex	M F Klicpera Co ..... P.O. Box 3113, Houston 1, Tex	JA2-8459
Utah	Cox Sales Co ..... 51 Ogden St, Denver 18, Colo	PE3-6772
Vt	White Sales Co., Inc ..... 945 Great Plain Ave, Needham 92, Mass	HI4-3676
Va	Floyd Fausett & Co ..... 777 Pinehurst Terr, S.W., Atlanta 10, Ga	PL3-3104
Wash	Richard Legg Co ..... 1633 N.W. 21st Ave, Portland 9, Ore ...	CA3-9720
W. Va	F P Yarussi Co ..... 312 Spring Valley Rd, Pittsburgh 16, Pa	
Wisc	Hill & Gray Inc ..... 41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Wyo	Cox Sales Co ..... 51 Ogden St, Denver 18, Colo	PE3-6772
	SUNSHINE SCIENTIFIC INSTRUMENT **1810 Grant Ave, Philadelphia 15, Pa**	**OR3-5600**
	SUN TUBE CORP ..... **181 Long Ave, Hillside, NJ**	
	SUPA INSULATIONS INC ..... **123 E. Bassett St, Rocky Mount, NC**	**GI6-8155**
Cal	R S Hughes Co., Inc ..... 4515 Alger St, Los Angeles, Cal	CH5-6621
Colo	R S Hughes Co ..... Denver, Colo	
Ill	Robert J Kennedy Co ..... 6713 N. Oliphant Ave, Chicago, Ill	NE1-8283
Ind	Robert J Kennedy Co ..... 6713 N. Oliphant Ave, Chicago, Ill	NE1-8283
Iowa	Robert J Kennedy Co ..... 6713 N. Oliphant Ave, Chicago, Ill	NE1-8283
NY	F L McAuliffe Co ..... 2315 Plum St, Schnectady 9, NY	FR4-6727
NC	Howard R Haney Co ..... 3236 Draper Ave, Charlotte 5, NC	FR5-6546
Pa	Paragon Sales Co ..... 111 S. 22nd St, Philadelphia 3, Pa	RI6-7060
Tex	J Earl Smith Co ..... Box 35331, Airlawn Sta, Dallas 35, Tex	FL7-1727
Wash	R S Hughes Co., Inc ..... 1107 Bailey St, Seattle, Wash	PA5-5750
	SUPER EAR PRODUCTS CO ..... **32 Deering, East Rockaway, NY**	**FR4-5083**
	SUPEREX ELECTRONICS CORP ... **4-6 Radford Pl, Yonkers, NY**	**YO5-6906**
Ariz	Verne Linsley Co ..... 2902 W. Villa St, Phoenix, Ariz	AP8-2266
Cal	Al L Rissi ..... 8417 E. Las Tunas Dr, San Gabriel, Cal	CU3-7614
Colo	Vines & Co ..... P.O.Box 1025, Denver 1, Colo	TA5-4471
Ind	Central Electronic Sales Co ..... 19303 Fairport, Detroit 5, Mich	LA6-5841
Mass	Kenneth L Brown ..... 54 Atherton Rd, Brookline 47, Mass	BE2-4804
Mich	Central Electronic Sales Co ..... 19303 Fairport, Detroit 5, Mich	LA6-5841
Miss	L R Massey Co ..... 304 E. Jefferson St, Greenwood, Miss ...	GL3-3038
Mo	F C Somers & Co ..... 17th & Main St, Kansas City 8, Mo	GR1-3355
Ohio	Walter J Brauer & Associates ..... 15631 Lakewood Hgts Blvd, Cleveland 7	LA1-7268
Ore	Roger M Minthorne Co ..... 0673 S.W. Taylor Ferry Rd, Portland 19	CH6-4556
Tex	W R Retzloff Co ..... 838 Steves Ave, San Antonio 6, Tex	LE3-7839
Wisc	Charles S Polacher & Associates ..... 1500 E. Fairy Chasm Rd, Milwaukee 17	FL2-8650
	SUPERIOR CABLE CORP ..... **Box 480-A, Hickory, NC**	**DI5-4161**
	SUPERIOR CARBON PRODUCTS CO **9115 George Ave, Cleveland 5, Ohio**	**VU3-4880**
Cal	Joseph Costello ..... 535 Middlefield Rd, Palo Alto, Cal	DA1-3745
Ind	G Crego ..... 7756 Beech Ave, Hammond, Ind	TI4-6204
NH	L Jayne ..... Cross St, Amherst, NH	HI1094
NY	Al Schmitz ..... 618 Case Bldg, Rochester 4, NY	HA6-3090
	SUPERIOR ELECTRIC CO ..... **83 Laurel St, Bristol, Conn**	**LU2-9561**
Ala	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
Ariz	Superior Electric Co ..... 14663 Titus St, Van Nuys, Cal	ST6-3626
Ark	Superior Electric Co ..... 174 Meadows Bldg, Dallas 6, Tex	EM3-1679
Cal	Superior Electric Co ..... 14663 Titus St, Van Nuys, Cal	ST6-3626
Cal	Superior Electric Co ..... 2881 El Camino Real, Redwood City, ...	EM8-7094
Colo	Superior Electric Co ..... 14663 Titus St, Van Nuys, Cal	ST6-3626
Del	Superior Electric Co ..... Ft. Wash Indl Park, Ft. Washington, Pa	CH8-4728
DC	Superior Electric Co ..... Ft. Wash Indl Park, Ft. Washington, Pa	CH8-4728
Fla	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
Ga	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
Idaho	Superior Electric Co ..... 810 Third Ave, Seattle 4, Wash	MU2-1323
Ill	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Ind	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Iowa	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Kan	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Ky	Superior Electric Co ..... 101 Public Square, Medina, Ohio	PA3-1515
La	Superior Electric Co ..... 174 Meadows Bldg, Dallas 6, Tex	EM3-1679
Me	Superior Electric Co ..... 6 Abbott Rd, Wellesley Hills, Mass	CE7-0750
Md	Superior Electric Co ..... Ft. Wash Indl Park, Ft. Washington, Pa	CH8-4728
Mass	Superior Electric Co ..... 6 Abbott Rd, Wellesley Hills, Mass	CE7-0750
Mich	Superior Electric Co ..... 13530 Michigan Ave, Dearborn, ...	LU2-5225
Minn	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Miss	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
Mo	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Mont	Superior Electric Co ..... 810 Third Ave, Seattle 4, Wash	MU2-1323
Neb	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Nev	Superior Electric Co ..... 14663 Titus St, Van Nuys, Cal	ST6-3626
NH	Superior Electric Co ..... 6 Abbott Rd, Wellesley Hills, Mass	CE7-0750
NJ	Superior Electric Co ..... 250 Park Ave, New York 17, NY	YU6-7930
NM	Superior Electric Co ..... 14663 Titus St, Van Nuys, Cal	ST6-3626
NY	Superior Electric Co ..... 250 Park Ave, New York 17, NY	YU6-7930
NC	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
Ohio	Superior Electric Co ..... 101 Public Square, Medina, Ohio	PA3-1515
Okla	Superior Electric Co ..... 174 Meadows Bldg, Dallas 6, Tex	EM3-1679
Ore	Superior Electric Co ..... 810 Third Ave, Seattle 4, Wash	MU2-1323
Pa	Superior Electric Co ..... Ft. Wash Indl Park, Ft. Washington, Pa	CH8-4728
RI	Superior Electric Co ..... 6 Abbott Rd, Wellesley Hills, Mass	CE7-0750
SC	Superior Electric Co ..... DuPont Plaza, Miami 32, Fla	FR4-4103
SD	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Tenn	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Tex	Superior Electric Co ..... 174 Meadows Bldg, Dallas 6, Tex	EM3-1679
Utah	Superior Electric Co ..... 2881 El Camino Real, Redwood City, Cal	EM8-7094
Vt	Superior Electric Co ..... 6 Abbott Rd, Wellesley Hills, Mass	CE7-0750
Va	Superior Electric Co ..... Ft. Wash Indl Park, Ft. Washington, Pa	CH8-4728
Wash	Superior Electric Co ..... 810 Third Ave, Seattle 4, Wash	MU2-1323
W. Va	Superior Electric Co ..... 101 Public Square, Medina, Ohio	PA3-1515
Wisc	Superior Electric Co ..... 721 South Blvd, Oak Park, Ill	EU3-5430
Wyo	Superior Electric Co ..... 810 Third Ave, Seattle 4, Wash	MU2-1323
	SUPERIOR ELECTRONICS CORP ... **208 Piaget Ave, Clifton, NJ**	**GR2-2500**
	SUPERIOR FLUX & MFG CO ..... **1536 St. Clair Ave, Cleveland 14, Ohio**	**SU1-9373**
Cal	Claude Michael Agency ..... 703 W. Ivy St, Glendale 4, Cal	CH5-8401
Ill	Ames Metal Products Co ..... 4323 Southwestern Blvd, Chicago, Ill ...	LA3-3230
	SUPERIOR INSULATED WIRE CO ... **Washburn's La, Stony Point, NY**	**ST6-2433**
Ala	Threlkeld-Duckett Associates ..... P.O. Box 733, Birmingham, Ala	TR1-6642
Conn	A E Akerovd Co ..... P.O. Box 84, Fairfield, Conn	
Fla	Smith Duckett Associates ..... P.O. Box 1016, Stuart, Fla	AT7-1252
Ga	Grady Duckett Associates ..... 26E. Andrews Dr, N.E., Atlanta, Ga ...	CE3-5306
Ill	Langhaus Levy Associates ..... 5323 Cottage Grove Ave, Chicago, Ill ...	DO3-5345
Ind	M E Tyson Co ..... 848 Colfax St, Toledo 6, Ohio	CH6-4060
Mass	Arthur E Akerovd Co ..... The John Hancock Bldg, Boston 16, Mass	HA6-2433
NY	William J Callahan ..... 156 S. Edwards Ave, Syracuse, NY	HO3-2151
NC	Fanning-Duckett Associates ..... P.O. Box 11402, Charlotte 9, NC	JA3-6937
Pa	Eugene L Park ..... 651 Paddock Rd, Southampton, Pa	EL7-7805
Va	J F Anderson Co ..... 300 Belle View Blvd, Alexandria, Va ...	SO8-7153
	SUPERIOR STEATITE & CERAMIC CORP ..... **83-91 W. Forest Ave, Englewood, NJ** ...	**LO8-4555**
Cal	Yarbrough Sales Co ..... 2636 Mission St, San Marino, Cal	SY9-7055
NJ	S Dixon ..... 208 Russell Ave, Barrington, NJ	LI7-7383
	SUPERIOR STEEL DIV COPPERWELD STEEL CO ..... **Carnegie, Pa**	**BR6-3300**
Cal	Superior Steel ..... 5225 Wilshire Blvd, L A 36, Cal	WE3-1440
Cal	Thomas S Hutton & Son ..... Monadnock Bldg, San Francisco 5, Cal ...	EX2-7017
Fla	Arthur A Carlson & Associates ..... 8821 S. W. 21st St, Miami, Fla	CA1-7592
Ill	Superior Steel ..... 320 First Nat'l Bank Bldg, Evanston	UN4-1724
Mich	Superior Steel ..... 626 Fisher Bldg, Detroit 2, Mich	TR5-5070
NY	Superior Steel ..... 1212 Rand Bldg, Buffalo 3, NY	MO6483
NY	Superior Steel ..... 6408 Chrysler Bldg, New York 17, NY ...	YU6-7740
NC	Davis Hankness Co ..... P.O. Box 4254, Charlotte, NC	FR6-6382
Ohio	Superior Steel ..... 1118 Talbott Tower, Dayton 2, Ohio	BA3-9122
Okla	Robert Duenner & Co ..... P.O. Box 1528, Tulsa 1, Okla	LU7-2171
Pa	Superior Steel ..... 2345 Willow Brook Dr, Huntingdon Valley	OL9-5000
Wash	M M Mossman ..... 801 The Hoge Bldg, Seattle 4, Wash	MA4-5393
	SUPERIOR TUBE CO ..... **2504 Germantown Pike, Norristown, Pa**	**BR5-2070**
	SUPERSCOPE INC ..... **8522 Tujunga Ave, Sun Valley, Cal**	**CH7-8630**
Ala	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	LY2-4715
Alaska	Ron Merritt Co ..... 1320 Prospect, Seattle, Wash	MU2-7337
Ark	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	RI2-2027
Cal	Heaton Marco Associates ..... 413 N. Lathrop St, Redwood City, Cal ...	EM9-5278
Colo	Hyde Electronics Co ..... 888 S. Lipan, Denver, Colo	WE6-3456
Del	Harold A Moyer ..... P.O. Box 14, Haddonfield, NJ	HA9-7792
DC	Harold A Moyer ..... P. O. Box 14, Haddonfield, NJ	HA9-7792
Fla	Winfield Electronic Sales Co ..... 666 N.E., 125th St, N. Miami, Fla	PL1-5566
Ga	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	LY2-4715
Idaho	Ron Merritt Co ..... 1320 Prospect, Seattle, Wash	MU2-7337
Ill	Irving Rose Marketing Associates ... 126 Merchandise Mart, Chicago, Ill	SU7-5246
Ill	Arthur K Elliott ..... 211 W. Westport, Kansas City 11, Mo	
Ind	Kirsch Sales Co ..... Lafontaine, Ind	
Iowa	Arthur K Elliott ..... 211 W. Westport, Kansas City 11, Mo	
Kan	Arthur K Elliott ..... 211 W. Westport, Kansas City 11, Mo	
Ky	Kirsch Sales Co ..... Lafontaine, Ind	
La	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	RI2-2027
Md	Harold A Moyer ..... Box 14, Haddonfield, NJ	
Mich	J Malcolm Flora Inc ..... Territorial at Ridgewood, Plymouth	GL3-4296
Minn	Clark R Gibb ..... 2400 Hennepin Ave, Minneapolis, Minn ...	FR7-1200
Miss	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	LY2-4715
Mo	Arthur K Elliott ..... 211 W. Westport, Kansas City 11, Mo	
Mont	Ron Merritt Co ..... 1320 Prospect, Seattle, Wash	MU2-7337
Neb	Arthur K Elliott ..... 211 W. Westport, Kansas City 11, Mo	
Nev	Heaton Marco Associates ..... 413 N. Lathrop St, Redwood City, Cal ...	EM9-5278
NJ	Jerry Greenberg & Associates ..... 16 Hudson St, New York, NY	WO4-7150
NJ	Harold A Moyer ..... P. O. Box 14, Haddonfield, NJ	HA9-7792
NM	Hyde Electronics ..... 5206 Constitution Ave, Albuquerque, NM	AM8-1111
NY	Farber & Associates ..... 70 W. Chipperva St, Buffalo, NY	WO3543
NY	Jerry Greenberg & Associates ..... 17 Hudson St, New York, NY	WO4-7150
Ohio	F A Daugherty Co ..... 6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
Okla	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	RI2-2027
Ore	Ron Merritt Co ..... 1320 Prospect, Seattle, Wash	MU2-7337
Pa	Harold A Moyer ..... Box 14, Haddonfield, NJ	HA9-7792
Pa	Farber & Associates ..... 70 W. Chipperva St, Buffalo, NY	WO3543
Pa	F A Daugherty & Co ..... 6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
Tenn	Robert G Thomas ..... 942 S. 53rd St, Birmingham, Ala	LY2-4715
Tex	Maynard Sales Co ..... 2013 Cedar Springs, Dallas, Tex	RI2-2027
Tex	Hyde Electronics ..... 5206 Constitution Ave, Albuquerque, NM	AM8-1111
Utah	Hyde Electronics ..... 5206 Constitution Ave, Albuquerque, NM	AM8-1111
Va	Harold A Moyer ..... Box 14, Haddonfield, NJ	HA9-7792
Wash	Ron Merritt Co ..... 1320 Prospect, Seattle, Wash	MU2-7337
W. Va	F A Daugherty & Co ..... 6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
Wisc	Irving Rose Marketing Associates ... 126 Merchandise Mart, Chicago 54, Ill...	SU7-5246
Wisc	Clark R Gibb Co ..... 2400 Hennepin Ave, Minneapolis, Minn...	FR7-1200
Wyo	Hyde Electronics ..... 5206 Constitution Ave, Albuquerque, NM	AM8-1111
	SUPREME PROCESS CORP ..... **44 Bond St, Westbury, NY**	
	SURFACE CONDUCTION INC ..... **521 Fifth Ave, New York 17, NY**	**MU7-5436**
	SURPREMANT MFG CO ..... **Clinton, Mass**	**EM5-6331**
Cal	Air Supply Co ..... 9815 Wilshire Blvd, Beverly Hills, Cal	CR4-6641
NY	Aero Engineering Co ..... 220 Old Country Rd, Mineola, NY	PI6-0170
	SWENSON CO., INC., V H ..... **552 Elm St, Kearny, NJ**	**WY1-5703**
	SWIFT & SONS, M ..... **10 Love La, Hartford, Conn**	**JA3-1182**
Cal	M Swift & Sons Inc ..... 236 Juanita Ave, Los Angeles 4	DU1-3989
Ill	M Swift & Sons Inc ..... 1607 Howard St, Chicago 26	RO4-6677
Mo	M Swift & Sons Inc ..... 610 N. Kingshighway Blvd, St. Louis 8	FO1-5857
NY	M Swift & Sons Inc ..... 470 Park Ave, S., New York 16, NY	MU6-3990
Ohio	M Swift & Sons Inc ..... 2413 N. High St, Columbus 2	AM7-5461
	SWING-O-LITE INC ..... **15 Mercadie Rd, Hackensack, NJ**	
Alaska	Wm Lanphear ..... 3215 Western Ave, Seattle, Wash	
Ariz	Bellehamber & French ..... 1485 Bay Shore Blvd, San Francisco, Cal	
Colo	Wm Peyser ..... 1501 N. Weber, Colorado Springs, Colo	
Conn	W B Pray ..... 44 Washington St, Wellesley Hills, Mass	
Del	Jerry Merican ..... 1 Christopher St, New York, NY	
DC	Jerry Merican ..... 1 Christopher St, New York, NY	
Fla	Jack Gearhner ..... 235 Lincoln Rd, Miami Beach, Fla	
Ga	Hilker Co ..... P.O. Box 5211, Winston Salem, NC	
Ill	Loren Green ..... 5218 W. Diversey Ave, Chicago, Ill	
Ind	Central Electronics ..... 19303 Fairport, Detroit, Mich	
Ky	Central Electronics ..... 19303 Fairport, Detroit, Mich	
La	Massey Sales ..... P.O. Box 724, Greenwood, Miss	
Me	W B Pray ..... 44 Washington, Wellesley Hills, Mass	
Md	Jerry Merican ..... 1 Christopher St, New York, NY	
Mass	W B Pray ..... 44 Washington, Wellesley Hills, Mass	
Miss	Massey Sales ..... P.O. Box 724, Greenwood, Miss	
Mo	Massey Sales ..... P.O. Box 724, Greenwood, Miss	
Nev	Bellchamber French ..... 1485 Bay Shore Blvd, San Francisco, Cal	
NH	W Pray ..... 44 Washington St, Wellesley Hills, Mass	
NJ	Jack Gutzeit ..... 75-02 168th St, Flushing, NY	
NY	Jack Gutzeit ..... 75-02 168th St, Flushing, NY	
NC	Hilker Sales ..... P.O. Box 5211, Winston Salem, NC	
Ohio	Central Electronics Sales ..... 19303 Fairport, Detroit, Mich	
Ore	Wm Lanphear ..... 3215 Western Ave, Seattle, Wash	
RI	W Pray ..... 44 Washington, Wellesley Hills, Mass	
SC	Hilker Sales ..... P.O. Box 5211, Winston Salem, NC	
SD	Wm Peyser ..... 1501 N. Weber, Colorado, Spring, Colo	
Tex	Maynard Sales ..... 2013 Cedar Springs, Dallas, Tex	
Va	Hilker Sales ..... P.O. Box 5211, Winston Salem, NC	
Wash	Wm Lanphear ..... 3251 Western Ave, Seattle, Wash	
Wisc	Loren Green ..... 5218 Diversey Ave, Chicago, Ill	
	SWISS JEWEL CO ..... **Lafayette Bldg, Philadelphia 6, Pa**	**WA5-2867**
	SWITCHCRAFT INC ..... **5537 N. Elston Ave, Chicago, Ill**	**SP4-1515**
Ala	Cartwright & Bean ..... 3223 Cain's Hill Pl, Atlanta, Ga	CE7-2273
Alaska	Ron Merritt Co ..... 1320 Prospect Ave, Seattle 9, Wash	MU2-7337
Ariz	Paul F Wiley Co ..... 1632 Silverlake Blvd, L A, Cal	NO3-8028
Ark	Branum Sales Inc ..... 2334 Havenhurst St, Dallas 34, Tex	CH7-7128
Cal	David H Ross Co ..... 534 El Camino Real, San Carlos, Cal ...	LY1-4411
Cal	Paul F Wiley Co ..... 1632 Silverlake Blvd, L A, Cal	NO3-8028
Colo	Gordon Moss Electronics Inc ..... 1530-13th Ave, Greeley, Colo	EL3-1452
Conn	Anderson Sales Co ..... 177 State St, Boston, Mass	CA7-2980
Del	Warren L Loose ..... 646 Gordon St, Reading, Pa	27094
Del	Ken Randall Co ..... 1303 Midvale Ave, Baltimore, Md	RI7-5260
DC	Warren L Loose ..... 646 Gordon St, Reading, Pa	27094
DC	Ken Randall Co ..... 1303 Midvale Ave, Baltimore, Md	RI7-5260

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	Cart Wright & Bean	20100 N. E. 25th Ct, N Miami Beach	WI5-2962
Fla	Cart Wright & Bean	P.O. Box 583, Orlando, Fla	GA5-8284
Ga	Cartwright & Bean	3223 Cain's Mill Pl, Atlanta, Ga	CE7-2273
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii	
Idaho	Ron Merritt Co	127 Augusta Ave, Spokane, Wash	FA5-2557
Ill	J K Rose & Co	1116 Linden Ave, Highland Park, Ill	BR3-2330
Ill	Koenig & Myers Associates	3549 [illegible], St Louis 16, Mo	MO4-3096
Ind	Thomas & Sukup Inc	5226 N. Keystone, Indianapolis, Ind	CL1-4574
Iowa	Koenig & Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Kan	Koenig & Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Ky	Thomas & Sukup Inc	5226 N. Keystone, Indianapolis, Ind	CL1-4574
La	Branum Sales Inc	2334 Havenhurst St, Dallas 34, Tex	CH7-7128
Me	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Md	Warren L Loose	646 Gordon St, Reading, Pa	27094
Md	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Mass	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Mich	ABM Sales Co	10116 Puritan Ave, Detroit, Mich	UN2-1300
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis, Minn.	FR4-2612
Miss	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR6-4442
Mo	Koenig & Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Mont	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
Mont	Ron Merritt Co	E. 127 Augusta Ave, Spokane, Wash	FA5-2557
Neb	Koenig & Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Neb	Gordon Moss Electronics Inc	1530 13th Ave, Greeley, Colo	EL3-1452
Nev	Paul F Wiley Co	1632 Silverlake Blvd, L A, Cal	NO3-8028
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
NH	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
NJ	O F Masin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NJ	Ken Randall Co	121 N. Broad St, Philadelphia, Pa	LO4-2151
NM	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
NY	O F Masin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse, NY	GR8-2141
NY	Dillon Donahoe	203 LaForte, Syracuse, NY	GR6-2035
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
ND	Mel Foster	2402 Hennepin, Minneapolis, Minn	FR4-2612
Ohio	Neal Bear Corp	3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Ohio	Neal Bear Corp	2801 Far Hills Ave, Dayton, Ohio	AX9-3566
Okla	Branum Sales Inc	2334 Havenhurst St, Dallas, Tex	CH7-7128
Ore	Ron Merritt Co	1238 N. W. Glisan St, Portland, Ore	CA2-7337
Pa	Ken Randall Co	121 Broad St, Philadelphia, Pa	LO4-2151
Pa	Warren L Loose	646 Gordon St, Reading, Pa	27094
Pa	Neal Bear Corp	1974 Gregory Ave, Monroeville, Pa	VA3-5117
RI	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
SC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
SD	Mel Foster	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR6-4442
Tex	Branum Sales Inc	1250 Wakefield Dr, Houston	
Tex	Branum Sales Inc	2334 Havenhurst Ave, Dallas, Tex	CH7-7128
Utah	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
Vt	Anderson Sales Co	177 State St, Boston, Mass	CA7-2980
Va	Ken Randall Co	1303 Midvale Ave, Baltimore, Md	RI7-5260
Va	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Wash	Ron Merritt Co	1320 Prospect Ave, Seattle 9, Wash	MU2-7337
Wash	Ron Merritt Co	127 Augusta Ave, Spokane 10, Wash	FA5-2557
W. Va	Neal Bear Corp	2801 Far Hills Ave, Dayton 19, Ohio	AX9-3566
Wisc	Ken Steinke Sales Co	7731 W. Morgan, Milwaukee, Wisc	LI5-4686
Wisc	V K Rose & Co	1116 Linden, Highland Park, Ill	BR3-2230
Wyo	Gordon Moss Electronics Inc	1530-13th Ave, Greeley, Colo	EL3-1452
Foreign	Comet Corp	540 Lake Shore Dr, Chicago 11, Ill	DE7-2292
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Ontario, Can	RU1-6174
	SYMPHONY ELECTRONICS CORP	**1611 Cordova St, Los Angeles 7, Cal**	
	SYLVANIA ELECTRIC PROD. INC.	**730 3rd Ave, New York 17, NY**	**JU6-2424**
Cal	Sylvania	6505 E. Gayhart St, Los Angeles, Cal	
Cal	Sylvania	1811 Adrian Rd, Burlingame, Cal	
Colo	Sylvania	4700 E 48th St, Denver, Colo	
DC (Wash)	Sylvania	Shirley Hwy & Edsall Rd, Springfield, Va	
DC (Wash)	Sylvania	1200-03 Walker Bldg, Washington, DC	
Fla	Sylvania	300 N.E. 72nd St, Miami, Fla	
Ga	Sylvania	2115 Sylvan Rd S.W., Atlanta 10, Ga	
Ill	Sylvania	2001 N. Cornell Ave, Melrose Park, Ill	
Kan	Sylvania	450 Funston Rd, Kansas City, Kan	
La	Sylvania	8140 Forshey St, New Orleans, La	
Md	Sylvania	5301 Hartford Rd, Baltimore, Md	
Mass	Sylvania	Estes St, Ipswich, Mass	
Mass	Sylvania	100 Sylvan Rd, Woburn, Mass	
Mass	Sylvania	71 Loring Ave, Salem, Mass	
Mich	Sylvania	405 4th St, An Arbor, Mich	
Mich	Sylvania	7800 Intervale, Detroit, Mich	
Minn	Sylvania	711 W. Lake St, Minneapolis, Minn	
Mo	Sylvania	5010 Kemper Ave, St. Louis, Mo	
NM	Sylvania	1000 Huyler St, Teterboro, NJ	
NY	Sylvania	601 Bailey Ave, Buffalo, NY	
NY	Sylvania	5700 W. Genesee St, Camillus, NY	
NY	Sylvania	600 Old Country Rd, Garden City, NY	
NY	Sylvania	225 N. Washington St, Rome, NY	
NC	Sylvania	1416 E. Morehead St, Charlotte, NC	
Ohio	Sylvania	411 Oak St, Cincinnati, Ohio	
Ohio	Sylvania	4848 W. 130 St, Cleveland, Ohio	
Ohio	Sylvania	333 W. 1st St, Dayton, Ohio	
Pa	Sylvania	4700 Parkside Ave, Philadelphia, Pa	
Pa	Sylvania	300 Mt. Lebanon Blvd, Pittsburgh, Pa	
Tex	Sylvania	100 Fordyce St, Dallas, Tex	
Utah	Sylvania	428 S. Main St, Salt Lake City, Utah	
Wash	Sylvania	3466 E. Marginal Way, Seattle, Wash	
Wisc	Sylvania	606 W. Wisconsin, Milwaukee,	
	SYLVANIA ELECTRIC PRODS INC CHEM & METALLURGICAL DIV	**Towanda, Pa**	**AN5-2121**
Ill	Sylvania	2001 N. Cornell Ave, Melrose Park, Ill	
Mass	Sylvania	100 Sylvan Rd, Woburn, Mass	
Mich	Sylvania	7800 Intervale Ave, Detroit, Mich	
NY	Sylvania	1000 Huyler St, Teterboro, NJ	
Ohio	Sylvania	333 W. First St, Dayton 2, Ohio	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Sylvania	4700 Parkside Ave, Philadelphia 31	
Pa	Sylvania	300 Mt. Lebanon Rd, Pittsburgh	
	SYLVANIA ELECTRIC PRODS INC ELECTRONIC TUBES	**1740 Broadway, New York 19, NY**	**JU6-2424**
	SYLVANIA ELECTRIC PRODS INC PARTS DIV	**12 Second Ave, Warren, Pa**	**WA3220**
Conn	Sylvania	Bridge St, Naugatuck, Conn	
Ill	Sylvania	2001 N. Cornell Ave, Melrose Park, Ill	
Mass	Sylvania	75 Sylvan St, Danvers, Mass	
NY	Sylvania	1000 Huyler St, Teterboro, NJ	
Ohio	Sylvania	411 Oak St, Cincinnati, Ohio	
Pa	Sylvania	1128 Roosevelt Ave, York, Pa	
Wisc	Sylvania	606 W. Wisconsin Ave, Milwaukee, Wisc	
	SYLVANIA ELECTRIC PRODS INC SEMICONDUCTOR DIV	**100 Sylvan Rd, Woburn, Mass**	**WE3-3500**
	SYLVANIA ELECTRONIC SYSTEMS	**63 Second Ave, Waltham 54, Mass**	**TW4-9770**
Cal	Sylvania Electronic Systems	2020 Santa Monica Blvd, Santa Monica	EX3-9311
DC	Sylvania Electronic Systems	734 15th St, N.W., Washington 5, DC	RE7-7733
NJ	Sylvania Electronic Systems	15 Spring St, Red Bank, NJ	[illegible]
NY	Sylvania Electronic Systems	P.O.Box 986, Rome, NY	PO3390
Ohio	Sylvania Electronic Systems	333 W. Third St, Dayton 2, Ohio	BA3-6227
	SYLVANIA HOME ELECTRONICS	**700 Ellicott St, Batavia, NY**	**FI3-3470**
Cal	Sylvania	4927 Gould Ave, LaCanada, Cal	SY0-2215
Cal	Sylvania	1811 Adrian Rd, Burlingame, Cal	OX7-350[illegible]
Colo	Sylvania	29 Evergreen Rd, Stratford, NJ	ST3-5252
Fla	Sylvania	5745 Riviera Dr, Coral Gables, Fla	MO6-2190
Ga	Sylvania	1862 Anjaco Rd, N.W., Atlanta 3, Ga	TR4-6596
Ill	Sylvania	Sp 1149, Merch Mart, Chicago 54, Ill	FI5-0100
Mass	Sylvania	8 Sherbourne Rd, Lexington, Mass	VO2-4962
Mass	Sylvania	920 Commonwealth, Boston 15, Mass	BE2-7746
Minn	Sylvania	6117 Parnell Ave, Minneapolis, Minn	WA2-1274
Mo	Sylvania	6426 Evergreen, Berkley 21, Mo	JA2-0942
NY	Sylvania	140 Lafayette Pkwy, Rochester 10, NY	HI5-3975
NY	Sylvania	437 11th Ave, New York 18, NY	LO4-5216
NC	Sylvania	2000 Queens Rd, W., Charlotte, NC	ED4-2066
Ohio	Sylvania	33146 Lyndon St, Livonia, Mich	GA1-8092
Pa	Sylvania	R F D 2, Ligonier, Pa	BE8-2168
Pa	Sylvania	4700 Parkside Ave, Philadelphia, Pa	GR7-5000
Tenn	Sylvania	3803 Patte Ann Dr, Memphis 16, Tenn	EX8-1508
Tex	Sylvania	3619 Sandralin Dr, Cincinnati, Ohio	
Va	Sylvania	558 Waterway Dr, Falls Church, Va	CL6-4917
Wash	Sylvania	2612-127th Ave, N.E., Bellevue, Wash	VA2-7789
	SYLVANIA LIGHTING PRODUCTS	**60 Boston St, Salem, Mass**	**PI5-4500**
	SYLVANIA PHOTOLAMP & SPECIAL PRODUCTS	**60 Boston St, Salem, Mass**	**PI5-4500**
	SYNCOR PRODUCTS CO	**30 Eastern Ave, Malden, Mass**	**DA2-1364**
	SYNTHANE CORP	**Oaks, Pa**	**GL2-2211**
Cal	Synthane Corp	518 Garfield Ave, Glendale, Cal	CH5-1093
Fla	Arthur A Carlson & Associates	8821 S.W. 21st St, Miami, Fla	CA1-7592
Ill	Synthane Corp	8711 Narragansett Ave, Morton Grove	OR3-5390
Ind	Synthane Corp	4508 Allisonville Rd, Indianapolis 20	LI6-3650
Kan	Gene W Rankin	P. O. Box 131, Mission, Kan	HE2-3355
La	Electron Equipment Co., Inc	1050 Constance St, New Orleans 13, La	
Md	Synthane Corp	112 E. Pennsylvania Ave, Towson 4	VA5-2858
Mass	Synthane Corp	404 Main St, Wakefield, Mass	CR9-3594
Mich	Synthane Corp	Box 145, Orchard Lake, Mich	MI6-8868
Mo	A O Woemer & Sons	4030 Chouteau Ave, St. Louis 10, Mo	FR1-2780
NY	Synthane Corp	20 Studio Arcade, Bronxville 8	DE7-2012
NY	Synthane Corp	137 W. Commercial St, E. Rochester	LU6-0413
Ohio	Synthane Corp	3597 Lee Rd, Cleveland 20, Ohio	WA1-0020
Ore	Pacific Electric Sales Co.	140 S.E. 28th Ave, Portland 14, Ore	BE5-4137
Pa	Synthane Corp	5245 Center Ave, Pittsburgh 38, Pa	MU3-1700
Tenn	Synthane Corp	P. O. Box 10187, Knoxville 19, Tenn	KN8-2659
Tex	Synthane Corp	4726 Cole's Manor, Dallas 4, Tex	TA4-6971
Wisc	Synthane Corp	316 E. Silver Spring Dr, Milwaukee 11	WO2-0890
Foreign	Comerso S A	30 Bould Bonne Nouvelle, Paris, France	PR33-07
	SYNTHETIC MICA CO	**20 Passaic Ave, Caldwell, NJ**	**CA6-4020**
Ohio	Harry G Lake	384 W. First St, Dayton 2, Ohio	BA4-3122
	SYNTORQUE INC	**Box 75A, Bearsville, NY**	**OR9-9168**
Ill	Jerry Golten Co	2750 W. North Ave, Chicago 47, Ill	EV4-5959
	SYNTRONIC INSTRUMENTS INC	**100 Industrial Rd, Addison, Ill**	**KI3-6444**
Ariz	Ash M Wood Co	P.O. Box 1158, West Arcadia, Cal	CU3-1201
Cal	Ash M Wood Co	P.O. Box 1158, West Arcadia, Cal	CU3-1201
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
DC	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Ind	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	VI6-0359
Ky	Joe Murphy	202 Pam Rd, Indianapolis 20, Ind	VI6-0359
Md	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
NJ	Bressler Associates	4808 Bergenline Ave, Union City, NJ	UN4-9577
NY	Bressler Associates	4808 Bergenline Ave, Union City, NJ	OX5-0255
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	MO4-4200
Va	Massey Associates	111 Centerway, Greenbelt, Md	GR4-2071
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York 18, NY	LO4-7585

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	SYSTRON CORP	**950 Galindo St, Concord, Cal**	**MU2-3650**
Ala	E G Holmes Associates	4969 Roswell, N.E., Atlanta, Ga	BL5-6660
Ariz	Instruments for Measurements	3455 Cahuenga Blvd Hollywood, Cal	HO9-7254
Ark	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	LA6-8735
Cal	Instruments for Measurements	3455 Cahuenga Blvd, Hollywood, Cal	HO9-7254
Cal	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
Colo	Barnhill Associates	1170 S. Sheridan Blvd, Denver, Colo	WE5-4645
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Del	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
DC	Burlingame Associates	8218 Wisconsin Ave, Wash DC	OL4-6400
Fla	E G Holmes Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Ga	E G Holmes Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Idaho	Barnhill Associates	207 N. 4th E., Centerville, Utah	EL5-5101
Ill	Lang & Claeson Co	6733 N. Olmstead Ave, Chicago, Ill	SP4-3610
Ind	Lang & Claeson Co	6733 N. Olmstead Ave Chicago, Ill	SP4-3610
Iowa	Lang & Claeson Co	6733 N. Olmstead Ave, Chicago, Ill	SP4-3610
Kan	Norman W Kathriniss Co	4306 Cambridge Ave, Kansas City, Kan	JO2-4158
La	Arnold Barnes Co	3603 Lemmon Dr, Dallas, Tex	LA6-8735
Me	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Md	Burlingame Associates	8218 Wisconsin Ave, Wash DC	OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1995
Mich	Tihy Co	18222 James Couzens Hwy, Detroit	UN4-9298
Minn	Lang & Claeson Co	6733 N. Olmstead Ave, Chicago, Ill	SP4-3610
Mo	Norman W Kathriniss Co	4356 Duncan Ave, St. Louis, Mo	OL2-7005
Nev	Ault Associates	120 Santa Margarita, Menlo Park, Cal	DA6-1760
NH	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NM	Barnhill Associates	8310 Cutler Ave. N.E., Albuquerque	AX9-7997
NY	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
NC	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ohio	Tihy Co	2245 Warrensville Center Rd, Cleveland	ER1-5335
Okla	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	LA6-8735
Ore	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa	SH7-9080
RI	Burlingame Associates	974 Main St, Waltham, Mass	TW4-1995
SC	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tenn	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	LA6-8735
Utah	Barnhill Associates	207 N. 4th, E., Centerville, Utah	EL5-5101
Vt	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY	MO4-7530
Va	E G Holmes Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Wash	Harry Levinson Co	1117 Second Ave, Seattle, Wash	MA2-5433
Wisc	Lang & Claeson Co	6733 N. Olmstead Ave, Chicago, Ill	SP4-3610
Foreign	Telesco International Corp	36 W. 40th St, New York 18, NY	PE6-2165
Canada	Electrodesign	736 Notre Dame St, West Montreal, Quebec, Canada	
	TA MFG CORP	**4607 Alger St, Los Angeles 39, Cal**	**CH5-5767**
	TKM ELECTRIC CORP	**820 Linden Ave, Rochester 10, NY**	**LU6-8000**
	T T ELECTRONICS INC	**P. O. Box 180, Culver City, Cal**	**UP0-3213**
Cal	Sodaro Co	9400 Culver Blvd, Culver City, Cal	UP0-6001
Cal	Sodaro Co	329 Clay St, San Francisco 11, Cal	DO2-0616
Conn	Arthur E Akeroyd Co.	P.O. Box 84, Fairfield, Conn	
DC	Houser Associates	734 15th St, N.W., Washington 5, DC	ME8-0084
Fla	L E Barnhart	1003 Gunka Rd, Jacksonville 11, Fla	RA4-0987
Ill	Frank Tye Sales	1039 Willow St, Chicago 14, Ill	WH4-6681
Mass	Arthur E Akeroyd Co	70 Reservoir Rd, Chester Hill 67, Mass	BE2-7894
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
NJ	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
NY	Frank Tylinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
Tenn	L R Massey Co	5010 Kaye St, Memphis, Tenn	
Tex	Spotswood W Lomax	6414 Del Norte Ln, Dallas 25, Tex	EM1-1134
	TV DEVELOPMENT CORP	**187-61 Hollis Ave, Jamaica, NY**	**AX7-0202**
Ala	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Ark	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Cal	R Del Bucchie & Associates	179 S. Mayfair Ave, Daly City, Cal	PL6-8414
Cal	Bassett & Moore Co	12045 Magnolia Ave, N.Hollywood, Cal	PO6-2117
Conn	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Del	E L Park	651 Paddock Rd, Southampton, Pa	EL7-0080
DC	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	SO5-2078
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood, Fla	WA2-4430
Idaho	Roger M Minthorne Co	0673 SW Taylors Ferry Rd, Portland, Ore	CH6-4556
Ill	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	UP8-3313
Ind	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
Iowa	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Iowa	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	UP8-3313
Kan	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
Ky	Fishman Associates	1836 Nottingham Dr, Indianapolis, Ind	LI6-5477
La	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Me	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Md	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	SO5-2078
Mass	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Mich	Jack M Thorpe	640 Hidden Le, Detroit 40, Mich	TU4-4360
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Mo	George Kangas Sales Co	10506 W. 89th St, Overland Park, Kan	TU8-5213
NH	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
NJ	Samuel R Eisenberg & Associates	215-32 Murdock Ave, Queens Village, NY	HO5-0293
NY	E L Park	651 Paddock Rd, Southampton, Pa	EL7-0080
NY	Samuel R Eisenberg & Associates	215-32 Murdock Ave, Queens Village, NY	HO5-0293
Ohio	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-4533
Okla	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Ore	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland 19	CH6-4556
Pa	E L Park	651 Paddock Rd, Southampton, Pa	EL7-0080
Pa	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-4533
RI	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Tenn	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Tex	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Vt	Johnson Associates	404 Main St, Wakefield, Mass	CR6-5500
Va	J F Anderson Co	300 Belle View Blvd, Alexandria, Va	SO5-2078
Wash	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	CH6-4556
W.Va	James M Landfear Co	12429 Cedar Rd, Cleveland 6, Ohio	FA1-4533
Wisc	Samuel J Wiley Co	2060 W. Birchwood Ave, Chicago 45, Ill	UP8-3313
Foreign	Robum Agencies	431-435 Greenich St, New York 13, NY	WO6-2130

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES	OFFICES	TEL. NO.
Canada	Norris Burgess	418 Mt. Pleasant Rd, Toronto 7, Canada	HU9-1854
	TABER INSTRUMENT CORP	**107 Goundry St, N. Tonawanda, NY**	**[illegible]**
Ala	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Ariz	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-9455
Ark	J Y Schoonmaker Co., Inc	5328 Bedfield Ave, Dallas 35, Tex	LA6-7238
Cal	Robert Halverson	Box 454, Carmichael, Cal	IV7-5574
Colo	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-9455
DC	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Fla	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Ga	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Idaho	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-9455
La	J Y Schoonmaker Co., Inc	5328 Bedfield Ave, Dallas 35, Tex	LA6-7238
Md	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Mass	Drew Associates Inc	Box 467, Bedford, Mass	CR4-7232
Mich	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Miss	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Nev	Robert Halverson	Box 454, Carmichael, Cal	IV7-5574
NJ	Tek-Sel Inc	54 Rt 17, Paramus, NJ	HU9-7210
NY	Tek-Sel Inc	54 Rt 17, Paramus, NJ	HU9-7210
NC	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
Okla	J Y Schoonmaker Co., Inc	5328 Redfield Ave, Dallas 35, Tex	LA6-7238
Ore	Robert Halverson	Box 454, Carmichael, Cal	IV7-5574
Pa	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio	TR1-8000
SC	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Tex	J Y Schoonmaker Co., Inc	5328 Bedfield Ave, Dallas 35, Tex	LA6-7238
Utah	Parrish Electronics	1804 S. St. Paul St, Denver 10, Colo	SK6-9455
Va	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Wash	Robert Halverson	Box 454, Carmichael, Cal	IV7-5574
W. Va	Holliday Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Canada	Conway Electronics Enterprise	1514 Eglinton Ave, W. Toronto 10, Ont, Can	RU3-6576
	TABET MFG CO., INC	**1336 Bellentine Blvd, Norfolk, Va.**	**MA2-1973**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	
Conn	E JGoodlett	44 Fuller St, Waban, Mass	
DC	Eliot R Selinger & Associates	8237 Georgia Ave, Silver Spring, Md	
Fla	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	
Ga	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	
Ill	Fred Hossfeld Associates	212 S. Oak Park, Oak Park, Ill	
Ind	Fred Hossfeld Associates	212 S. Oak Park, Oak Park, Ill	
Iowa	Fred Hossfeld Associates	212 S. Oak Park, Oak Park, Ill	
Me	E J Goodlett	44 Fuller St, Waban, Mass	
Md	Eliot R Selinger & Associates	8237 Georgia Ave, Silver Spring, Md	
Mass	E J Goodlett	44 Fuller St, Waban, Mass	
Minn	Fred Hossfeld Associates	212 S. Oak Park, Oak Park, Ill	
Miss	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Mo	Fred Hossfeld Associates	212 S. Oak Park, Oak Park, Ill	
NH	E J Goodlett	44 Fuller St, Waban, Mass	
NJ	J A Simberkoff & Associates	68 Hudson St, Hoboken, NJ	
NY	J A Simberkoff & Associates	68 Hudson St, Hoboken, NJ	
NC	Eliot R Selinger & Associates	8237 Georgia Ave, Silver Spring, Md	
SC	Eliot R Selinger & Associates	8237 Georgia Ave, Silver Spring, Md	
Tenn	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery, Ala	
Vt	Eliot R Selinger & Associates	8237 Georgia Ave, Silver Spring, Md	
	TABLET & TICKET CO	**1021 W. Adams St, Chicago 7, Ill**	**HA1-3883**
	TAFFET ELECTRONICS INC	**2705 Bklyn-Queens Expwy, W., Woodside 77, NY**	**RA1-3500**
	TAKK CORP	**Box 346, Newark, Ohio**	**DI4-3115**
	TALK-A-PHONE CO	**5013 N. Kedzie Ave, Chicago 25, Ill**	**KE9-1100**
Cal	Ealv & Jensen	P.O. Box 238, Northridge, Cal	DI4-7549
Cal	F W Moulthrop Co	575 10th St, San Francisco, Cal	MA1-0722
Colo	Art J Nelson Co	710 E. Louisana St, Denver, Colo	PE3-5528
Fla	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	WE9-3241
Ill	D Hale Damold	5865 N. Lincoln Ave, Chicago, Ill	LO1-9839
Ind	Delta Sales Inc	2136 E. 52 St, Indianapolis, Ind	CL1-3564
Mass	Abbett & Hustis	P.O. Box 293, Needham, Mass	HI4-5470
Mich	Rod Butchart Co	16637 E. Warren, Detroit, Mich	TU2-6666
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Mo	Koewig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
NY	Land-C-Air Sales Co	76 Main St, Tuckahoe, NY	WO1-4700
Ohio	Les A Morrow Co	3123 W. 117th St, Cleveland, Ohio	CL1-5700
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland, Ore	CA3-9720
Pa	James H Podolny Co	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Tex	Mil F Klicpera Co	P.O. Box 3113, Houston, Tex	JA2-8459
	TALKMASTER INC	**534 Laurel St, San Carlos, Cal**	**LY3-9515**
	TALLY REGISTER CORP	**1310 Mercer St, Seattle 9, Wash**	**MA4-0760**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ariz	H W Ruby & Associates	P.O. Box 63, La Canada, Cal	SY0-3195
Ark	Mitchell Speairs Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Cal	H W Ruby & Associates	P.O. Box 63, La Canada, Cal	SY0-3195
Colo	H W Ruby & Associates	P.O. Box 63, LaCanada, Cal	SY0-3195
Conn	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Del	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
DC	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Idaho	Rush Drake & Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Ill	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Ind	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Iowa	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
Kan	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Ky	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
La	Mitchell Speairs Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Me	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Mass	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Md	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Minn	Engineering Products Associates	1821 University Ave, St. Paul, Minn	MI6-3443
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mont	Rush Drake & Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	H W Ruby & Associates	P.O. Box 63, La Canada, Cal	SY0-3195
NH	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NJ	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NM	H W Ruby & Associates	P.O. Box 63, La Canada, Cal	SY0-3195
NY	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
NC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
ND	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Okla	Mitchell Speairs Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Ore	Rush Drake & Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Pa	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
RI	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
SC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
SD	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Tenn	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Tex	Mitchell Speairs Co	4944 James Ave, Ft. Worth, Tex	WA6-4444
Utah	H W Ruby & Associates	P.O. Box 63, La Canada, Cal	SY0-3195
Vt	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Va	Wild & Associates Inc	1519 Northern Blvd, Roslyn, NY	MA1-8660
Wash	Rush Drake & Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
W. Va	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Wisc	Pivan Engineering Co	3542 Peterson Ave, Chicago 45, Ill	BR4-9135
	TAMAR ELECTRONICS INC	**2045 W. Rosecrans Ave, Gardena, Cal**	**DA3-9110**
	TAMMEN & DENISON INC DIV LAND-AIR INC	**4751 N. Olcott Ave, Chicago, Ill**	**UN7-8844**
	TANDBERG OF AMERICA INC	**8 Third Ave, Pelham, NY**	**PE8-8220**
Ala	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
Alaska	William R Lanphear Co	3215 Western Ave, Seattle 1, Wash	AT4-8150
Ariz	Barstow & Doran Inc	1406-08 S. Grand Ave, L A 15, Cal	RI9-0438
Cal	Barstow & Doran Inc	1406-08 S. Grand Ave, L A 15, Cal	RI9-0438
Colo	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Conn	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-4041
Del	Continental Electronics	5705 Colfax Ave, Alexandria, Va	CL6-5845
DC	Continental Electronics	5705 Colfax Ave, Alexandria, Va	CL6-5845
Fla	Gus Jose	P.O. Box 208, N. Miami Beach, Fla	WI7-1347
Ga	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
Hawaii	Barstow & Doran Inc	1406-08 S. Grand Ave, L A 15, Cal	RI9-0438
Idaho	William Lanphear Co	3215 Western Ave, Seattle 1, Wash	AT4-8150
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Iowa	Robert R Shaw	7800 Kenridge Ln, Webster Groves, Mo	CH1-6815
Kan	Robert R Shaw	7800 Kenridge Ln, Webster Groves, Mo	CH1-6815
Ky	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Me	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-4041
Md	Continental Electronics	5705 Colfax Ave, Alexandria, Va	CL6-5845
Mass	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-4041
Mich	Rod Butchart Co	16637 E. Warren, Detroit 24, Mich	LA6-6551
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Miss	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
Mo	Robert R Shaw	7800 Kenridge Ln, Webster Groves, Mo	WO2-4590
Mont	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Neb	Robert R Shaw	7800 Kenridge Ln, Webster Groves, Mo	WO2-2490
Nev	Barstow & Doran Inc	1406-08 S. Grand Ave, L A 15, Cal	RI9-0438
NH	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-1041
NJ	Gilbert E Miller Associates	47 Birchwood Park Dr, Jericho, NY	OV1-6335
NM	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
NY	Gilbert E Miller Associates	47 Birchwood Park Dr, Jericho, NY	OV1-6335
NY	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-1041
NC	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	JA3-5437
Ohio	Robert W Peters	350 E. 215th St, Euclid 23, Ohio	AN1-2330
Ore	William Lanphear Co	3215 Western Ave, Seattle 1, Wash	AT4-8150
Pa	Continental Electronics	5705 Colfax Ave, Alexandria, Va	CL6-5845
RI	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-1041
SC	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
SD	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Tenn	L D Roddey	4242 Waterbury Dr, Charlotte 9, NC	JA3-5437
Utah	Stan Cluphf & Associates	75 S. Cody Ct, Denver, Colo	BE3-6025
Vt	Donald T Hankins	159 Huntington Ave, Boston 15, Mass	CO6-4041
Va	Continental Electronics	5705 Colfax Ave, Alexandria, Va	CL6-5845
Wash	William Lanphear Co	3215 Western Ave, Seattle 1, Wash	AT4-8150
W. Va	Robert W Peters	350 E. 215th St, Euclid 23, Ohio	RE1-9428
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Wyo	Stan Cluphf & Associates	75 S. Cody Ct, Denver 15, Colo	BE3-6025
	TANG INDUSTRIES INC	**49 Jones Rd, Waltham 54, Mass**	**TW9-8271**
Ariz	E.J. Foley & Assoc	Scottsdale, Ariz	WH5-4290
Cal	Yarborough Sls. Co	Pasadena, Cal	MU2-3331
Ill	Carl Engel Co	Chicago, Ill	UP8-6363
Mass	Fred Arenstrup	Waltham, Mass	HI3-2992
NY	Geoscience Instruments Corp	425 Park Ave, New York 22, NY	UL5-7800
Pa	Schumalher Assoc	Abington, Pa	TU4-7808
Foreign	Teletech Industrial Corp	New York, NY	YU6-2244
	TANNOY (AMERICA) LTD	**Box 177, East Norwich, NY**	**WA2-0700**
	TANSITOR ELECTRONICS INC	**West Rd, Bennington, Vt**	**5473**
Cal	Chas Long & Associates	505 Middlefield Rd, Redwood City, Cal	
Cal	Ash Wood	Box 1158, Arcadia, Cal	
Conn	Kempton Associates	P.O. Box 272, Bloomfield, Conn	CH2-4655
Fla	George Bohman	711 Magnolia Ave, Orlando, Fla	GA5-6860
Md	Alfred Holden	2822 Cheswolde Rd, Baltimore, Md	AS7-2467
Mass	Alexander Hubert	P.O. Box 143, Brookline, Mass	CO2-0027
Minn	I I Aaron & Associates Inc	614 E. Grant St, Minneapolis, Minn	FE6-6659
NY	Tansitor Electronics Inc	102 Valentine St, Mt. Vernon, NY	4-4342
NY	S F Foster Co	Fayettsville, NY	NE7-9489
Ohio	Augey Natalino	Box 644, Stow, Ohio	OV8-3930
	TAP-A-LINE MFG CO	**P. O. Box 563, Pompano Beach, Fla**	**WE3-3260**
Ala	L R Massey	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Ariz	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Ark	Antle Smith Sales	P.O. Box 35402, Dallas 35, Tex	FL7-7279
Cal	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Colo	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Del	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Fla	William F Hemminger	624 N.E. 79th St, Miami 38, Fla	PL9-0300
Ga	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Hawaii	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Idaho	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Ill	Charles S Polacheck	1500 E. Fairy Chasm Rd, Milw 17, Wisc	FL2-8650
Ind	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
Ky	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
La	Antle Smith Sales	P.O. Box 35402, Dallas 35, Tex	FL7-7279
Md	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Mich	Central Electronic Sales Co	19303 Fairport, Detroit, Mich	LA6-5841
Miss	L R Massey	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Mont	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Nev	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
NJ	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
NJ	Morris J Hacker	217-18 48th Ave, Bayside 64, NY	BA4-5361
NM	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
NY	Morris J Hacker	217-18 48th Ave, Bayside 64, NY	BA4-5361
NC	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Ohio	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Okla	Antle Smith Sales	P.O. Box 35402, Dallas 35, Tex	FL7-7279
Ore	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Pa	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Pa	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
SC	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Tenn	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Tenn	L R Massey	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Tex	Antle Smith Sales	P.O. Box 35402, Dallas 35, Tex	FL7-7279
Utah	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
Va	E L Park	651 Paddock Rd, Southampton, Pa	EL7-7805
Wash	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
W. Va	Sid Levin & Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340
Wisc	Charles S Polacheck	1500 E. Fairy Chasm Rd, Milwaukee 17	FL2-8650
Wyo	Heeger Inc	2528 W. 9th St, Los Angeles 6, Cal	DU7-6995
	TAPCO GROUP THOMPSON-RAMO-WOOLRIDGE INC	**23555 Euclid Ave, Cleveland 17, Ohio**	
DC	Frank A Flower	905 16th St, N.W., Washington 6, DC	ME8-5046
Fla	R T Hall	436 Marlin Rd, N. Palm Beach, Fla	VI4-1244
Kan	Ben F Penn	6631 E. Kellogg, Wichita 7, Kan	MU2-5236
Mo	R C Randall	508 Monaco Dr, Warson Woods, St. Louis	YO6-4440
Ohio	J L Haggerty	1304 Talbott Tower, Dayton, Ohio	BA3-6266
Ohio	E D Stewart	3736 Susanna Dr, Cincinnati 39, Ohio	JA2-2435
Tex	R G Hayes	3948 Marquette, Dallas, Tex	EM8-3088
Utah	E D Henry	3448 Westwood Dr, Salt Lake City 9	CR8-9312
Wash	G M Brown	3314 Fourth Ave, S., Seattle 4, Wash	MU2-1050
	TAPE-ATHON	**523 S. Hindry, Inglewood, Cal**	**OR8-5359**
Ala	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga	
Alaska	Dom Grinols	638 Emerson St, Seattle, Wash	
Ariz	Verne Linsley	2902 W. Villa Ave, Phoenix, Ariz	AP8-2266
Ark	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	
Cal	Heaton Marco Associates	413 Lathrop St, Redwood City, Cal	EM9-5277
Cal	Douglas Roesch Communications	1832 S. Flower St, Los Angeles, Cal	RI7-9361
Conn	Robert Reiss	70 Jessie Dr, West Haven, Conn	WE4-5261
Del	Hal Kellar	653 Ferne Blvd, Drexel Hills, Pa	
DC	Hal Kellar	653 Ferne Blvd, Drexel Hills, Pa	
Fla	Cartwright & Bean	20100 N.E. 25th Ct, N. Miami Beach, Fla	WI5-2962
Ga	Cartwright & Bean	3223 Cains Hill Pl, N.W., Atlanta, Ga	
Hawaii	Music Air Broadcasting System	P. O. Box 611, Honolulu 9, Hawaii	
Ill	Gene Clears	435 Indianwood, Park Forest, Ill	
Ind	Gene Clears	435 Indianwood, Park Forest, Ill	
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	The Heimann Co	6636 Agnes, Kansas City 32, Mo	
Ky	Robert O Whitesell	6620 E. Washington St, Indianapolis, Ind	FL6-8069
La	Cartwright & Bean	821 Pontalba St, New Orleans, La	
Me	Robert Reiss	70 Jessie Dr, W. Haven, Conn	WE4-5261
Md	Hal Kellar	653 Ferne Blvd, Drexel Hills, Pa	
Mass	Robert Reiss	70 Jessie Dr, W. Haven, Conn	WE4-5261
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3	FE2-5457
Miss	Cartwright & Bean	821 Pontalba, New Orleans, La	
Mo	The Heimann Co	6636 Agnes, Kansas City 32, Mo	
Neb	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
NH	Robert Reiss	70 Jessie Dr, W. Haven, Conn	WE4-5261
NJ	Gilbert E Miller	47 Birchwood Pk Dr, Jericho, NY	OV1-6335
NM	Verne Linsley	2902 W. Villa Ave, Phoenix, Ariz	AP8-2266
NY	Gilbert E Miller	47 Birchwood Pk Dr, Jericho, NY	OV1-6335
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Ohio	H H Seay	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
Okla	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Ore	Dave Champlain	12528 22nd, N.E., Seattle 55, Wash	EM2-0401
Pa	Hal Kellar	653 Ferne Blvd, Drexel Hills, Pa	
Pa	H H Seay	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
RI	Robert Reiss	70 Jessie Dr, W. Haven, Conn	WE4-5261
SC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Tenn	Cartwright & Bean	560 S. Cooper, Memphis 4, Tenn	BR5-1914
Tex	W R Hays Co	3416 Rosedale, Dallas, Tex	EM3-2021
Vt	Robert Reiss	70 Jessie Dr, W. Haven, Conn	WE4-5261
Va	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	
Wash	Dave Champlain	12528 22nd, N.E., Seattle, Wash	EM2-0401
W. Va	H H Seay	3850 Fairlington Dr, Columbus 21, Ohio	HU8-9994
Wisc	The Heimann Co	1135 S. Forest Ln, Brookfield, Wisc	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	TAPE CABLE CORP	**790 Linden Ave, Rochester 10, NY**	**LU6-0330**
Cal	Long & Associates	Brewster-Warren Bldg, Redwood City, Cal	EM9-3324
Fla	William G Margot	2238 Duncan Dr, Largo, Fla	JU4-3745
Mass	Richter Associates	645 E. Washington St, Hanson, Mass	HA6-2821
Mich	ABM Sales Co	10116 Puritan Ave, Detroit 38, Mich	UN2-1300
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	LU6-6464
NY	S Wimpie Associates Inc	510 W. Boston Post Rd, Mamaroneck, NY	OW8-7100
Ohio	Deo Volente & Associates	628 Clifton Blvd, Toledo 7, Ohio	JE6-1191
Pa	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5500
Foreign	Tape Cable Corp	431 Fifth Ave, New York 16, NY	MU3-2400

	TAPETONE INC	**Box 46, Webster, Mass**	**1727**
Ark	Tom Spivey Co., Inc	11040 Michof Dr, Dallas 28, Tex	
Cal	Long & Associates	Brewster-Warren Bldg, Redwood City	EM9-3324
Cal	W J Barron Co	1406 S. Grand Ave, Los Angeles 15	RI8-6191
Conn	Frank Maher Sales Co	106 Woodlawn St, W. Hartford 19, Conn	AD2-0119
Del	Ed Braddock	P.O. Box 305, Haddonfield, NJ	HA9-0087
DC	Ed Braddock	P.O. Box 305, Haddonfield, NJ	HA4-0087
Fla	Lynch-Gentry Associates	406 Danley Dr, Ft. Meyers, Fla	WE6-2181
Ill	Loren F Green & Associates	5218 Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 Diversey Ave, Chicago 39, Ill	PA5-6824
Ky	Loren F Green & Associates	5218 Diversey Ave, Chicago 39, Ill	PA5-6824
La	Tom Spivey Co., Inc	11040 Michof Dr, Dallas 28, Tex	
Md	Ed Braddock	P.O. Box 305, Haddonfield, NJ	HA4-0087
Mass	Frank Maher Sales Co	106 Woodlawn St, W. Hartford 10, Conn	AD2-0119
Mich	J Malcolm Flora Inc	Territ at Ridgewood, Plymouth, Mich	GL3-4296
NH	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	AD2-0119
NJ	Metrorep	P.O. Box 162, Teaneck, NJ	TE6-3474
NY	Metrorep	P.O. Box 162, Teaneck, NJ	TE6-3474
Ohio	A J Martucci Sales Co	47 Best St, Bedford, Ohio	BE2-1531
Okla	Tom Spivey Co., Inc	7547 Wilmer Dean, Houston, Tex	MI9-1221
Pa	Ed Braddock	P.O. Box 305, Haddonfield, NJ	HA9-0087
RI	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	AD2-0119
Tex	Tom Spivey Co., Inc	7547 Wilmerdean, Houston, Tex	MI9-1221
W. Va	A J Martucci Sales Co	47 Best St, Bedford, Ohio	BE2-1531
Wisc	Loren F Green & Associates	5218 Diversey Ave, Chicago 39, Ill	PA5-6824

	TARC ELECTRONICS INC	**48 Urban Ave, Westbury, NY**	**ED4-3900**

	TASK CORP	**1007 E. Vernont, Anaheim, Cal**	**PR4-3100**

	TAURUS CORP	**8 Carroll St, Lambertville, NJ**	**EX7-1571**
Cal	Lee H Owens	1102 S. Western Ave, Brockton, Mass	JU3-0034
Colo	Zell-Aire Electronic Heating	1528 First Nat'l Bank Bldg, Denver	
Conn	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
DC	H S Bancroft	209 Cooper St, Collingswood, NJ	COS-5215
Fla	William M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	William M Jones Co	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	
Ill	Harry Halinton	6400 N. Leoti, Chicago 30, Ill	
Ind	Hoemig Sales Co	Butler Ct, Fort Wayne 8, Inc	AN2083
Me	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
Md	H S Bancroft	209 Cooper St, Collingswood, NJ	COS-5215
Mass	Forsberg Electric Sales	125 Perkins St, Brockton, Mass	JU3-0034
Minn	Felleisen Associates	Minneapolis 19, Minn	
NH	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
NJ	C R Mayer	P.O. Box 152, Huntington, NY	WE8-2405
NY	Young Associates	907 Monroe Ave, Rochester, NY	BR1-2136
NY	C R Mayer	P.O. Box 152, Huntington, NY	WE8-2405
NC	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Ohio	Walter J Brauer	15631 Lakewood Heights Blvd, Cleveland	LA1768
Pa	H S Bancroft	209 Cooper St, Collingswood, NJ	WE8-2405
RI	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
SC	William M Jones	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Tenn	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Vt	Forsberg Electric Sales	125 Perkins Ave, Brockton, Mass	JU3-0034
Va	William M Jones	1107 Echo Ct, N., Towson 4, Md	VA3-2434
W. Va	William M Jones Co	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Foreign	Hudson-Randall International	141 E. 44th St, New York 17, NY	

	TAYLOREEL CORP	**185 Murray St, Rochester, NY**	**GL3-8368**
Cal	Laco Photo Import Co	Los Angeles, Cal	
Fla	International Photo Suppliers	Miami, Fla	
NY	Gem-Klein Photo Corp	New York, NY	
Canada	Quebec Photo Supply Co	Montreal, Canada	

	TAYLOR ELECTRIC INC	**15400 Dale, Detroit 23, Mich**	**KE5-2500**
Ala	Industrial Elec Co	123 S. 11th St, Nashville 6, Tenn	AL6-4906
Ala	K L Diller & Assoc	2707A E. Atlantic, Pompano Beach, Fla	WH1-2706
Ariz	Western Specialty Co	18 E. Lincoln Ave, Phoenix, Ariz	AL4-1865
Ark	J Earl Smith	Box 35331 Airlawn Sta, Dallas 35, Tex	FL7-1727
Cal	K M Ryals Co	461 Market St, San Francisco 5, Cal	YU2-5510
Cal	Calrepco	1417 Georgia St, Los Angeles 15, Cal	RI9-8485
Colo	Byerrum Engr Sales Co	6025 E. First Ave, Denver 20, Colo	EA2-6865
Conn	Macdonald-Wadman Co Inc	1213 Chestnut, Newton Upper Falls, Mass	WO9-8980
Del	L C Conover Assoc	1737 Chestnut St, Philadelphia 3, Pa	RI6-9574
Fla	K L Diller & Assoc	2707A E. Atlantic Blvd, Pompano Beach	WH1-2706
Ga	Industrial Elec Co	123 S. 11th St, Nashville 6, Tenn	AL6-4906
Ga	K L Diller & Assoc	2707A E. Atlantic Blvd, Pompano Bch, Fla	WH1-2706
Idaho	Wm A Matzke Co	809A Terminal Sales Bldg, Seattle 1, Wash	SE4257
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	McNay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
Iowa	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Iowa	Central States Engr & Sales	5101 Blondo St, Omaha 4, Neb	GL3803
Kan	Maury E Bettis Co	8676 Kathlyn Dr, Berkeley, Mo	HA9-2099
Ky	McNay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
La	J Earl Smith	Box 35331, Airlawn Sta, Dallas 35, Tex	FL7-1727
Me	Macdonald-Wadman Co Inc	1213 Chestnut, Newton Upper Falls, Mass	WO9-8980
Md	L C Conover Assoc	1737 Chestnut St, Philadelphia 3, Pa	RI6-9574
Mass	Macdonald-Wadman Co., Inc	1213 Chestnut St, Newton Upper Falls	WO9-8980
Mich	E B Dewey Co	P.O. Box 442, Kalamazoo 99, Mich	FI4-6163
Minn	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Miss	J Earl Smith	Box 35331, Airlawn Sta, Dallas 35, Tex	FL7-1727
Mo	Maury E Bettis Co	8676 Kathyln Dr, Berkeley 21, Mo	HA9-2099
Mont	Wm A Matzke Co	809A Terminal Sales Bldg, Seattle, Wash	SE4257
Neb	Central States Engr & Sales	5101 Blondo St, Omaha 4, Neb	GL3803
Nev	Paul Western Specialty Co	18 E. Lincoln Ave, Phoenix, Ariz	AL4-1866
Nev	K M Ryals Co	461 Market St, San Francisco 5, Cal	YU2-5510
NJ	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NJ	L C Conover Assoc	1737 Chestnut St, Philadelphia 3, Pa	RI6-9574
NM	Byerrum Engineering Sales Co	6025 E. First Ave, Denver 20, Colo	EA2-5865
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NY	H J Rittenhouse Co	543 Clinton Ave, S., Rochester 20, NY	BA5-2340
NC	Electronex Assoc	2904 W. Clay St, Richmond 21, Va	EL8-5040
ND	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Ohio	Matthew M Haley Co	5916 Hollywood Dr, Parma 29, Ohio	TU4-8460
Ohio	McNay Equipment Co	4850 Cooper Rd, Cincinnati 42, Ohio	TW1-7122
Okla	J Earl Smith	Box 35331, Airlawn Sta, Dallas 35, Tex	FL7-1727
Ore	Wm A Matzke Co	809A Terminal Sales Bldg, Seattle, Wash	SE4257
Pa	W D Shields Jr	Investment Bldg, Pittsburgh 22, Pa	GR1-6945
RI	Macdonald-Wadman Co Inc	1213 Chestnut, Newton Upper Falls, Mass	WO9-8980
SC	Electronix Assoc	2904 W. Clay St, Richmond 21, Va	EL8-5040
SD	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Tenn	Industrial Electric Co	123 S. 11th St, Nashville 6, Tenn	AL6-4906
Tex	J Earl Smith	Box 35331, Airlawn Sta, Dallas 35, Tex	FL7-1727
Utah	Fread A Pease Co	4921 E. 38th Ave, Denver 7, Colo	
Vt	Macdonald Wadman Co., Inc	1213 Chestnut, Newton Upper Falls, Mass	WO9-8980
Va	Electronex Assoc	2904 W. Clay St, Richmond 21, Va	EL8-5040
Wash	Wm A Matzke Co	809A Terminal Sales Bldg, Seattle, Wash	SE4257
W. Va	Electronex Associates	2904 W. Clay St, Richmond 21, Va	EL8-5040
Wisc	G E Arneson & Co	1407 Holdridge Ln, Wayzata, Minn	MI4-5844
Wisc	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Wyo	Byerrum Engineering Sales Co	6025 E. First Ave, Denver 20, Colo	EA2-5865

	TAYLOR-EMMETT CONTROLS INC	**Box 150, Akron 9, Ohio**	**TY6-2311**
Ala	Taylor Instrument Co	512 N. 18th St, Birmingham 2, Ala	
Cal	Taylor Instrument Co	2455 Riverside Dr., Los Angeles 39, Cal	NO2-3191
Cal	Taylor Instrument Co	1661 Timothy Dr, San Leandro, Cal	
Colo	Taylor Instrument Co	728-15th St, Denver, Colo	TA5-7575
Del	Taylor Instrument Co	2011 Concord Pike, Wilmington 3, Del	OL8-6408
DC	Taylor Instrument Co	Citizens Savings Bldg, Silver Springs, Md	JU9-1117
Fla	Taylor Instrument Co	P.O. Box 8616, Jacksonville 11, Fla	EL4-8484
Ga	Taylor Instrument Co	Bona Allen Bldg, Atlanta, Ga	JA2-9554
Ill	Taylor Instrument Co	423 South Blvd, Oak Park, Ill	ES9-0876
Ind	Taylor Instrument Co	132 E. 30th St, Indianapolis, Ind	WA5-1697
Kan	Taylor Instrument Co	6018 N. Garfield, Kansas City 16, Mo	WE1-4799
La	Taylor Instrument Co	501 N. Jefferson Davis Pkwy, New Orleans	AU1196
Md	Taylor Instrument Co	35 E. 21st St, Baltimore 18, Md	BE5-8110
Mass	Taylor Instrument Co	945 Great Plain Ave, Needham 92, Mass	HI4-4130
Minn	Taylor Instrument Co	5009A Excelsior Blvd, Minnpls 16, Minn	WA6-1873
Mo	Taylor Instrument Co	4655 Maryland Ave, St. Louis 8, Mo	FO1-3445
NY	Taylor Instrument Co	95 Ames St, Rochester 1, NY	BE1-5000
NY	Taylor Instrument Co	959 Kenmore Ave, Buffalo 23, NY	VI5245
NY	Taylor Instrument Co	1013 S. State St, Syracuse 3, NY	RE4-6842
NY	Taylor Instrument Co	45 Rockefeller Plaza, New York, NY	JU0609
NC	Taylor Instrument Co	P.O. Box 1453, Charlotte, NC	ED3-0972
Ohio	Taylor Instrument Co	13421 Euclid Ave, Cleveland 12, Ohio	LI1-3710
Ohio	Taylor Instrument Co	3047 Madison Rd, Cincinnati 9, Ohio	EL1-3636
Ohio	Taylor Instrument Co	16 Leland Ave, Columbus 14, Ohio	
Okla	Taylor Instrument Co	613 E. 4th St, Tulsa 20, Okla	DI3-7139
Ore	Taylor Instrument Co	1224 S.W. Morrison St, Portland 3, Ore	CA8-1554
Pa	Taylor Instrument Co	1617 Pennsylvania Blvd, Philadelphia 3	RI6-1156
Pa	Taylor Instrument Co	2882 W. Liberty Ave, Pittsburgh 16, Pa	LE1-3301
SC	Taylor Instrument Co	209 E. Stone St, Greenville, SC	
Tex	Taylor Instrument Co	5001 Navigation Blvd, Houston 11, Tex	WA6-4486
Utah	Taylor Instrument Co	138 S. 2nd East St, Salt Lake City 11, Utah	
Va	Taylor Instrument Co	5035-A Forest Hills Ave, Richmond, Va	EL3-1729
Wisc	Taylor Instrument Co	1348 N. 37th St, Milwaukee, Wisc	DI2-1404
Foreign	Taylor Controls Ltd	75 Hale End Rd, Walthamstow, London, England	
Foreign	Taylor Inst Australia Pty Ltd	Millicent St, Burwood, Victoria, Australia	

	TAYLOR FIBRE CO	**Morristown 51, Pa**	**GL2-2811**
Cal	E J Guelpa	1400 Palomares Ave, La Verne, Cal	WA8-9131
Cal	R Christofferson	1365 Laurel St, San Carlos, Cal	LY3-8813
Conn	C R Whitehorn	967 Farmington Ave, W. Hartford 7, Conn	AD6-3278
Fla	Florida Electronic Insulation Inc	903 N. Federal Hwy, Hollywood, Fla	
Ga	C Lowe	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-0416
Ill	R Maloney	4652 W. Lawrence Ave, Chicago 30, Ill	AV3-6474
Ind	W Koness	5265 N. Carrollton Ave, Indpls 20, Ind	CL1-9577
Mich	N Sullivan	16126 Meyers Rd, Detroit 35, Mich	UN2-3127
Mo	F Lang	105 N. Kirkwood Rd, St. Louis 22, Mo	YO6-4800
NY	D Robertson	76 S. Tyson Ave, Floral Park, NY	FI7-5474
NY	R Smith	42 East Ave, Rochester 4, NY	BA5-3767
Ohio	J Mansfield	2245 Warrensville Center Rd, Cleveland	ER1-3775
Ohio	W McClellan	P.O. Box 563, Fair Hills Br, Dayton 19	AX3-9605
Tex	C P Waggoner Sales Co., Inc	301 S.E. 14th St, Grand Prairie, Tex	
Wisc	R Bowers	1348 N. 37th St, Milwaukee 8, Wisc	DI2-8100

	TAYLOR INSTRUMENT COS	**95 Ames St, Rochester, NY**	**BE5-5000**
Ala	F Clarke Douglas	512 N. 18th St, Birmingham, Ala	
Cal	Taylor Instrument Cos	2455 Riverside Dr., Los Angeles 45	
Cal	Taylor Instrument Cos	1661 Timothy Dr, San Leandro, Cal	
Colo	Rudolph G Frank	801 W. Fifth Ave, Denver 4, Colo	
Del	Taylor Instrument Cos	2011 Concord Pike, Wilmington 3, Del	
Fla	Robert D Cleveland	P.O. Box 8616, Jacksonville 11, Fla	
Ga	Taylor Instrument Cos	301 Bona Allen Bldg, Atlanta 3, Ga	
Ill	Taylor Instrument Cos	423 S. Blvd, Oak Park, Ill	

Ind	Donald R Case	132 E. 30th St, Indianapolis 5, Ind	
La	William B Chandler	P.O. Box 5222, Lake Charles, La	
La	Joseph R Brown	819 Kings Hwy, Shreveport, La	
La	Taylor Instrument Cos	501 N. Jefferson Davis Pkwy, New Orleans 19, La	
Md	Taylor Instrument Cos	8484 Fenton St, Silver Spring, Md	
Mass	Taylor Instrument Cos	945 Great Plain Ave, Needham 92, Mass	
Mass	George E Zeiters	P.O. Box 611, Springfield, Mass	
Mich	David C Baer	2547 Monroe Blvd, Dearborn 8, Mich	
Mich	Richard W Hoffman	1926 Gull Rd, Kalamazoo, Mich	
Minn	Taylor Instrument Cos	5009A Excelsior Blvd, Minneapolis 16, Minn	
Mo	Taylor Instrument Cos	4655 Maryland Ave, St. Louis 8, Mo	
Mo	Donald C Spaulding	7613 E. 112th St, Kansas City 16, Mo	
Neb	H James Morgan	6628 Seward St, Omaha 4, Neb	
NY	Taylor Instrument Cos	147 Viley Rd, Schenectady 2, NY	
NY	Taylor Instrument Cos	45 Rockefeller Plaza, New York 20, NY	
NY	Taylor Instrument Cos	959 Kenmore Ave, Buffalo 23, NY	
NY	Richard E Vail	1013 S. State St, Syracuse 3, NY	
NC	Taylor Instrument Cos	153 Bishop, Greensboro, NC	
NC	Harold M Messenger	P.O. Box 1453, Charlotte, NC	
Ohio	Taylor-Emmett Controls	445 E. Turkeyfoot Lake Rd, Akron 9, Ohio	
Ohio	Taylor Instrument Cos	13421 Euclid Ave, Cleveland 12, Ohio	
Ohio	Taylor Instrument Cos	3047 Madison Rd, Cincinnati 9, Ohio	
Okla	Taylor Instrument Cos	613-615 E. Fourth St, Tulsa 20, Okla	
Ore	Taylor Instrument Cos	1224 W. Morrison St, Portland 5, Ore	
Pa	Taylor Instrument Cos	1617 Pennsylvania Blvd, Philadelphia 3, Pa	
Pa	Taylor Instrument Co	2882 W. Liberty Ave, Pittsburgh 16, Pa	
SC	Richard H Sawyer	209 E. Stone Ave, Greenville, SC	
Tex	Emil D Wade	Box 5372, West Side Sta, Beaumont, Tex	
Tex	Charles W Newland	3105 Leopard St, Corpus Christi, Tex	
Tex	Taylor Instrument Cos	5001 Navigation Blvd, Houston 11, Tex	
Tex	John R Miller	607 Montana Ave, El Paso, Tex	
Tex	Robert L Saunders	3305 Lometa Dr, Amarillo, Tex	
Utah	T G Steinmetz	138 S. 2nd East St, Salt Lake City 11, Utah	
Va	Charles H Miller	5035-A Forest Hills Ave, Richmond 25, Va	
Wash	George A Chappell Jr	6th & Stewart Sts, Seattle, Wash	
W. Va	Fred M Griffin	411-1/2 D Street, S. Charleston, W. Va	
Wisc	Robert E Campbell	1348 N. 37th St, Milwaukee 8, Wisc	

	TAYLOR-WINFIELD CORP	**1056 Mahoning, N.W., Warren, Ohio**	

	TECA CORP	**80 Main St, White Plains, NY**	

	TECH LABS INC	**Bergen & Edsall, Palisades Park, NJ**	**WA-2221**
Ala	Emory Design & Equipment Co	P. O. Box 9013, Birmingham, Ala	
Alaska	Roger M Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	
Ariz	Herb Becker Co	1140 Crenshaw Blvd, Los Angeles 19, Cal	
Cal	Herb Becker Co	1140 Crenshaw Blvd, Los Angeles 19, Cal	
Colo	Aviation Products Co	817 Quentin St, Dallas 35, Tex	
Conn	Robert Kempton	P. O. Box 272, Bloomfield, Conn	
Del	Harry J White Co., Inc	115 Green Brier Rd, Towson, Md	
DC	Harry J White Co., Inc	115 Green Brier Rd, Towson, Md	
Fla	Courtney Cummings	P. O. Box 507, Bradinton, Fla	
Ga	Emory Design & Equipment Co	Box 9013, Birmingham, Ala	
Idaho	Roger M Minthorne	673 S. W. Taylors Ferry Rd, Portland, Ore	
Ill	Aviation Products Co	6631 E. Kellogg, Wichita 7, Kan	
Ind	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Iowa	Aviation Products	6631 E. Kellog, Wichita 7, Kan	
Kan	Aviation Products	6631 E. Kellog, Wichita 7, Kan	
Ky	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
La	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Me	Alexander Hubert	130 Westbourne Terr, Brookline, Mass	
Md	Richard Trainor	115 Green Brier Rd, Towson, Md	
Mass	Alexander Hubert	130 Westbourne Terr, Brookline, Mass	
Mich	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Minn	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	
Miss	Emory Design & Equipment Co	404 Dexter Ave, Birmingham, Ala	
Mo	Aviation Products Co	6631 E. Kellogg, Wichita 7, Kan	
Mont	Roger Minthorne Co	0673 S.W. Taylors Ferry Rd, Portland, Ore	
Neb	Aviation Products Co	6631 E. Kellogg, Wichita 7, Kan	
Nev	Herb Becker Co	1140 Crenshaw Blvd, Los Angeles 19, Cal	
NH	Alexander Hubert	130 Westbourne Terr, Brookline, Mass	
NM	Aviation Products Co	817 Quentin St, Aurora 8, Colo	
NY	Savco Inc	124 Kinne Rd, E. Syracuse, NY	
ND	Marvin H Kirkeby	204 Sunnyridge Rd, Minneapolis 22, Minn	
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	
Okla	Aviation Products Co	6115 Denton Dr, Dallas 35, Tex	
Ore	Roger M Minthorne	673 S.W. Taylors Ferry Rd, Portland, Ore	
Pa	Harry J White Co	121 Covered Bridge Rd, Haddonfield, NJ	
RI	Alexander Hubert	130 Westbourne Terr, Brookline, Mass	
SD	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	
Tenn	Emory Design & Equipment Co	404 Dexter Ave, Birmingham, Ala	
Tex	Aviation Products Co	6115 Denton Dr, Dallas 35, Tex	
Utah	Aviation Products Co	817 Quentin St, Aurora 8, Colo	
Vt	Alexander Hubert	130 Westbourne Terr, Brookline, Mass	
Va	Harry J White Co	115 Green Brier Rd, Towson, Md	
Wash	Roger M Minthorne	673 S.W. Taylors Ferry Rd, Portland, Ore	
W. Va	Harry J White Co	115 Green Brier Rd, Towson, Md	
Wisc	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	
Wyo	Roger M Minthorne Co	673 S.W. Taylors Ferry Rd, Portland, Ore	

	TECHALLOY CO., INC	**Rahns, Pa**	**HU9-7211**

	TECHNIBILT CORP	**905 Air Way, Glendale 1, Cal**	**CH5-7521**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Alaska	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	
Ariz	J T Hill Co	318 W. State St, Phoenix, Ariz	
Ark	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	1864 Bacon St, San Diego, Cal	AC3-7133

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	J T Hill Co	420 Pine St, San Gabriel, Cal	CL3-6555
Colo	F Y Gates Co	3413 S. Bannock St, Englewood, Colo	
Conn	Howard J Schuft Co	815 Washington St, Newtonville, Mass	
Del	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	
Del	Taylor Engineering	2100 St. Paul St, Baltimore 18, Md	
DC	Taylor Engineering	2100 St. Paul St, Baltimore 18, Md	
Ga	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Hawaii	Jim Hastin Sales Co	235 Cooke St, Honolulu, Hawaii	
Idaho	Rush S Drake	1817 Norman St, Seattle 44, Wash	
Idaho	F Y Gates	200 S. Main St, Salt Lake City, Utah	
Ill	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
Ind	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Iowa	
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	
Ky	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
La	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex	
Me	Howard J Schuft Co	815 Washington St, Newtonville, Mass	
Md	Taylor Engineering	2100 St. Paul St, Baltimore 18, Md	
Mass	Howard J Schuft Co	815 Washington St, Newtonville, Mass	
Mich	Odell Engineering	10531 W. McNichols Rd, Detroit 21, Mich	
Minn	R Edward Stemm	123 S. 3rd, Minneapolis, Minn	
Miss	E G Holmes	4969 Roswell Rd, N.E., Atlanta 5, Ga	
Mo	Ensco	4550 Main St, Kansas City, Mo	
Mo	Engineering Services Co	6635 Delmar, St. Louis, Mo	
Mont	Rush S Drake Associates	1817 Norman St, Seattle 44, Wash	
Neb	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids, Ia	
Nev	J T Hill Co	1682 Laurel St, San Carlos Cal	
NH	Howard J Schuft Co	815 Washington St, Newtonville, Mass	
NJ	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	
NM	F Y Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	
NY	S B M Associates	969 Clinton Ave, S., Rochester 20, NY	
NY	S B M Associates	9 Highland Ave, Albany 5, NY	
NY	G Curtis Engel & Associates	210 S. Broad St, Ridgewood, NJ	
NC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
ND	R Edward Stemm	123 S. 3rd, Minneapolis, Minn	
Ohio	M P Odell	26614 Center Ridge Rd, Westlake, Ohio	
Ohio	M P Odell	2676 Salem Ave, Dayton 6, Ohio	
Okla	Arnold Barnes Co	P.O. Box 5417, Tulsa, Okla	
Ore	Rush S Drake Inc	1817 Norman St, Seattle 44, Wash	
Pa	M P Odell	750 Penn Ave, Pittsburgh 21, Pa	
Pa	G Curtis Engel	210 S. Broad St, Ridgewood, NJ	
RI	Howard J Schuft	815 Washington St, Newtonville, Mass	
SC	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta 5, Ga	
SD	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
Tenn	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
Tex	Arnold Barnes Co	3603 Lemmon St, Dallas, Tex	
Utah	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	
Vt	Howard J Schuft	815 Washington St, Newtonville, Mass	
Va	Taylor Engineering	2100 St. Paul St, Baltimore 18, Md	
Wash	Rush S Drake	1817 Norman St, Seattle 44, Wash	
W. Va	M P Odell	750 Penn Ave, Pittsburgh 21, Pa	
W. Va	Taylor Engineering	2100 St. Pau. St, Baltimore 18, Md	
Wisc	R Edward Stemm	5681 W. Lake St, Chicago 44, Ill	
Wyo	F Y Gates Co	200 S. Main St, Salt Lake City, Utah	
Canada	Bayly Engineering Ltd	Hunt St, Ajax, Ontario, Canada	

TECHNIC INC ..... P. O. Box 965, Providence 1, RI ST1-6100

Ill	Technic Inc	7001 N. Clark St, Chicago, Ill	AM2-2662

TECHNICAL APPARATUS BUILDERS ..... 109 Liberty St, New York 6, NY

TECHNICAL APPLIANCE CORP ... Box 38, Sherburne, NY OR4-2211

Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Alaska	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Ariz	Lee H Owens Co	1102 S. Western Ave, Los Angeles 6, Cal	RE5-0203
Ark	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Cal	Lee H Owens Co	1102 S. Western Ave, Los Angeles 6, Cal	RE5-0203
Cal	David H Ross Co	534 El Camino Real, San Carlos, Cal	LY1-4411
Colo	Koether - Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
Conn	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Del	Engineering Assoc, Morris F Taylor Co	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
DC (Wash)	Engr Assoc, Morris F Taylor Co	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
DC (Wash)	Engr Assoc, Morris F Taylor Co	Box 111, Silver Springs, Md	JU9-4002
Fla	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ga	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Hawaii	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Idaho	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Idaho	Koether - Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
Ill	A H Bruning Co	1758 Lawrence Ave, Chicago 40, Ill	ED4-0989
Ill	Norman W Kathrinus Co	4306 Cambridge Ave, Kansas City 3, Kan	JO2-4108
Ind	Thomas & Sukup, Inc	5226 N. Keystone Ave, Indianapolis 20	CL1-4574
Iowa	Heimann Co	1711 Hawthorne Ave, Minneapolis 3, Minn	FE2-5457
Kan	Norman W Kathrinus Co	4306 Cambridge, Kansas City 3, Kan	JO2-4108
Ky	Thomas & Sukup, Inc	5226 N. Keystone, Indianapolis, Ind	CL1-4574
Ky	John Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
La	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Me	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Md	Engr Assoc, Morris F Tayor Co	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
Md	Engr Assoc, Morris F Taylor Co	Box 111, Silver Springs, Md	JU9-4002
Mass	Naylor Electric	1718 Erie Blvd, E., Syracuse, NY	GR2-9183
Mass	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Mich	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Mich	R C Merchant & Co., Inc	18411 W. McNichols, Detroit 19, Mich	KE5-6000
Minn	Heimann Co	1711 Hawthorne Ave, Minnpls 3, Minn	FE2-5457
Miss	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	OL2-7005
Mont	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Neb	Heimann Co	1711 Hawthorne, Minneapolis 3, Minn	FE2-5457
Nev	David H Ross Co	534 El Camino Real, San Carlos, Cal	
Nev	Lee H Owens Co	1102 S. Western Ave, L A 6, Cal	RE5-0203
NH	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
NJ	Houser Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NJ	Leon L Adelman	188 Water St, Perth Amboy, NJ	HI2-3159
NM	Koether-Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
NY	Central Associates	44 N. Dean St, Englewood, NJ	LO8-0808
NY	Naylor Electric	1718 Erie Blvd, E., Syracuse, NY	GR2-9183
NY	Leonard D Allen Inc	115 Luther Ave, Syracuse 8, NY	GR1-3108
NY	Leon L Adelman Co	25 Chittenden Ave, New York 33, NY	TO7-1145
Mont	Koether-Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
ND	Heimann Co	1711 Hawthorne, Minnpls 3, Minn	FE2-5457
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Okla	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Ore	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Pa	Houser Associates	188 Water St, Perth Amboy, NJ	HI2-3159
Pa	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
RI	W A Hendrickson & Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
SC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
SD	Heimann Co	1711 Hawthorne, Minnpls 3, Minn	FE2-5457
Tenn	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Tex	John B Guenther	4533 N. Central Expwy, Dallas 5, Tex	LA8-6286
Utah	Koether-Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
Vt	W A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Va	Engineering Associates	2125 Maryland Ave, Baltimore 18, Md	HO7-1966
Va	Morris F Taylor Co	P.O. Box 111, Silver Springs, Md	JU9-4002
W. Va	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Wash	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash	AT3-6470
Wisc	Heimann & Bruning	1758 Lawrence Ave, Chicago 40, Ill	ED4-0989
Wyo	Koether-Cox Co	1325 S. Inca, Denver 23, Colo	PE3-5561
Foreign	Jos Plasencia Inc	401 Broadway, New York 13, NY	WA5-3410

TECHNICAL ASSOCIATES ..... 140 W. Providencia, Burbank, Cal UN9-6838

Ariz	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Cal	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Colo	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Conn	Wm B Johnson & Associates Inc	P O Box 415, Mountain Lakes, NJ	DE4-9222
Del	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
DC	Wm B Johnson & Associates Inc	P O Box 415, Mountain Lakes, NJ	DE4-9222
Idaho	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Ill	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Ind	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Ky	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Md	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
Mass	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
Mich	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Mont	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Nev	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
NH	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
NJ	Wm B Johnson & Associates Inc	P O Box 415, Mountain Lakes, NJ	DE4-9222
NM	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
NY	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
Ohio	Ben Z Rubin Co	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Ore	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
RI	Wm B Johnson & Associates Inc	P.O. Box 415, Mountain Lakes, NJ	DE4-9222
Utah	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Vt	Wm B Johnson & Associates Inc	P O Box 415, Mountain Lakes, NJ	DE4-9222
Wash	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221
Wisc	Ben Z Rubin Co., Inc	16130 Meyers Rd, Detroit 35, Mich	UN4-4958
Wyo	C W Reed Co., Inc	5959 S. Hoover St, Los Angeles, Cal	PL3-2221

TECHNICAL DEVICES CO ..... 11242 Playa Ct, Culver City, Cal UP0-3751

Cal	Weightman & Associates	1436 El Camino Real, Menlo Park, Cal	DA6-3797
Cal	Weightman & Associates	4029 Burbank Blvd, Burbank, Cal	VI9-2435
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Fla	W Ben Wimberly Co	532 S. Ft. Harrison Ave, Clearwater, Fla	CL3-7072
Ill	Rungland W Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill	PE5-3107
Minn	Sales Service Machine Tool Co	2363 University Ave, St. Paul, Minn	MI6-8663
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	BA1-3800
NY	R & S Electronic Sales Corp	P.O. Box 217, Hempstead, NY	PR5-7852
Ohio	Edwards-Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Tex	Robert E Nesbitt Co	1925 Cedar Springs, Dallas 1, Tex	PR5824
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Foreign	Sylvan Ginsbury Ltd	8 W 40th St, New York 18, NY	LO4-7585
Foreign	Comtrad Corp	673 Broadway, New York 12, NY	OR4-6300

TECHNICAL ELECTRONICS CO ..... 4060 Ince Blvd, Culver City, Cal UP0-5461

Ariz	Trans Dynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	Trans Dynamics Inc	44 Encina Ave, Palo Alto, Cal	DA6-6527
Cal	Trans Dynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	Trans Dynamics Inc	2866 Fourth Ave, San Diego, Cal	CY6-8215
Colo	Trans Dynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Del	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
DC	L D Lowery Inc	Bladensburg, Md	UN4-4722
Idaho	Trans Dynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Ill	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Ind	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Iowa	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Iowa	Automatic General Electronic Sales	5550-B Troost Ave, Kansas City, Mo	DE3-8206
Kan	Automatic General Electronic Sales	5550-B Troost Ave, Kansas City, Mo	DE3-8206
Md	L D Lowery Inc	Bladensburg, Md	UN4-4722
Mich	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Minn	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Mo	Automatic General Electronic Sales	5550-B Troost Ave, Kansas City, Mo	DE3-8206
Mo	Automatic General Electronic Sales	8890 Lackland Rd, St. Louis, Mo	HA8-3934
Neb	Automatic General Electronic Sales	5550-B Troost Ave, Kansas City, Mo	DE3-8206
Nev	Trans Dynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
NM	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Ohio	C A Robinson Co	4143 Mayfield Rd, Cleveland, Ohio	EV1-9049
Ohio	C A Robinson Co	333 W. 1st St, Dayton, Ohio	BA2-0832
Okla	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas 5, Tex	LA1-7876
Ore	Trans Dynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
Tex	Automatic General Electronic Sales	3824 Mockingbird Ln, Dallas, Tex	LA1-7876
Utah	Trans Dynamics Inc	3385 S. Bannock, Englewood, Colo	SU9-1544
Va	L D Lowery Inc	Bladensburg, Md	UN4-4722
Wash	Trans Dynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366
W. Va	L D Lowery Inc	Bladensburg, Md	UN4-4722
Wisc	Caine Electronic Sales	4120 Lawrence Ave, Chicago, Ill	SP7-4022
Wyo	Trans Dynamics Inc	1215 Poplar Pl, Seattle, Wash	EA4-0366

TECHNICAL MATERIEL CORP ..... 700 Fusimore Rd, Mamaroneck, NY OW8-4800

Cal	W C Shalag	5140 16th St, Sacramento, Cal	GI3-3493
Conn	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
DC	Donald B Craft	1310 N. Oak St, Arlington, Va	RE7-1529
Idaho	Myron R Smith	12109-86th Ave, N.E., Kirkland, Wash	VA2-5509
Me	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Mass	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NJ	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
NY	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Ore	Myron R Smith & Co	P.O. Box 246, Kirkland, Wash	GL4-9400
Pa	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
RI	Geist-Hotz Inc	200 Fifth St, Stamford, Conn	DA4-7300
Wash	Myron R Smith	12109-86th Ave, N.E., Kirkland, Wash	VA2-5509

TECHNICAL MEASUREMENT CORP ..... 441 Washington Ave, N. Haven, Conn CE9-2501

Ark	Carey & Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Colo	Scientific Instruments	1460 Pennsylvania St, Denver, Colo	AL5-2777
Del	S & S Associates	4509 Calvert Rd, College Park, Md	AP7-3777
DC	S & S Associates	4509 Calvert Rd, College Park, Md	AP7-3777
Idaho	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Ill	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
Ind	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
Iowa	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
La	Carey & Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Md	S & S Associates	4509 Calvert Rd, College Park, Md	AP7-3777
Mich	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
NJ	Q E D Electronic Sales	9 Elm Ave, Mt. Vernon, NY	MT8-3100
NY	Q E D Electronic Sales	9 Elm Ave, Mt. Vernon, NY	MT8-3100
Ohio	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
Okla	Carey & Wolf Co	P.O. Box 6072, Ft. Worth, Tex	PE8-1702
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Pa	S & S Associates	780 W. Dekalb Pike, King of Prussia, Pa	BR9-7192
Tex	Carey & Wolf Co	Box 6072, Ft. Worth, Tex	
Utah	Scientific Instruments	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Va	S & S Associates	780 W. Dekalb Pike, King of Prussia, Pa	BR9-7192
Wash	N R Schultz Co	4227 Airport Way, Seattle, Wash	MA4-8650
Wisc	Electronic Aides	1105 W. Lawrence, Chicago 40, Ill	LO1-1042
Wyo	Scientific Instruments	1460 Pennsylvania St, Denver 3, Colo	AL5-2777
Foreign	Berg Headstrom & Co., Inc	1170 Broadway, New York 1, NY	MU5-3730

TECHNICAL PRODUCTS CO ..... 6670 Lexington Ave, L A 38, Cal HO4-8121

Ala	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Ariz	Hyde Electronics Co	5206 Constitution N.E., Albuquerque, NM	AM8-1111
Ark	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM8-8306
Cal	Instruments for Measurement	3455 Cahuenga Blvd, Los Angeles 38, Cal	HO9-7294
Colo	Hyde Electronics Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Conn	Howard J Schuft Co., Inc	815 Washington, Newtonville, Mass	
Del	Gawler-Knoop Co	835 Glenside, Wyncote, Pa	TU4-8805
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Fla	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Ga	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Idaho	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Kan	Kemco Inc	6427 E. Kellogg, Wichita 18, Kan	MU4-8224
La	Southwest Electronics	4515 Prentice St, Dallas 6, Tex	EM8-8306
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Mass	Howard J Schuft Co., Inc	815 Washington, Newtonville, Mass	
Mich	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Miss	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Mo	Kemco Inc	6427 Kellogg, Wichita 18, Kan	MU4-8224
Mont	Hyde Electronics Co	888 S. Lipan St, Denver 6, Colo	WE6-3456
NH	Howard J Schuft Co., Inc	815 Washington, Newtonville, Mass	
NJ	Gawler-Knoop Co	835 Glenside, Wyncote, Pa	WA7-1820
NM	Hyde Electronics Co	5206 Constitution Ave, N.E.,	AM8-1111
NY	Edw A Ossman & Associates	830 Linden Ave, Rochester 10, NY	LU6-4943
NC	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio	CL6-0931
Okla	Southwest Electronics Industries	4515 Prentice St, Dallas 6, Tex	EM8-8306
Ore	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Pa	Gawler-Knoop Co	835 Glenside, Wyncote, Pa	WA7-1820
RI	Howard J Schuft Co., Inc	815 Washington, Newtonville, Mass	
SC	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
SD	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Tenn	Col-Ins-Co., Inc	64 E. Central, Orlando, Fla	GA2-6197
Tex	Southwest Electronics Industries	4515 Prentice St, Dallas 6, Tex	EM8-8306
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	IN7-5763
Vt	Howard J Schuft Co., Inc	815 Washington, Newtonville, Mass	
Va	Gawler-Knoop Co	8732 Flower Ave, Silver Spring, Md	JU5-7550
Wash	Rush S Drake Associates	1806 Bush Pl, Seattle, Wash	EA3-8545
Wyo	Hyde Electronics Co	888 S. Lipan St, Denver 6, Colo	WE6-3456
Foreign	Dage Corp	219 E. 44th St, New York 17, NY	MU2-6755

TECHNICAL SERVICE CORP ..... 917-19 S. Third St, Louisville 3, Ky JU7-8476

TECHNICAL WIRE PRODUCTS INC ..... 48 Brown Ave, Springfield, NJ DR6-3010

Ariz	The Kay Co	708 E. Ninth St, Tucson, Ariz	MA4-4588
Ariz	The Kay Co	1835 W. Camelback Rd, Phoenix, Ariz	CR9-5241
Ark	Corwin Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Cal	John E Striker Co	P.O. Box 548, San Carlos, Cal	LY1-0736
Cal	Harry Appleton Co., Inc	136 San Fernando Rd, Los Angeles, Cal	CA5-5611
Colo	Harry Appleton Co., Inc	136 San Fernando Rd, Los Angeles, Cal	CA5-5611
Conn	George G Scott Co	6 Stuart Dr, W., Glen Cove, NY	OR6-2088
Conn	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Del	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
DC	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
Ill	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ind	James W Murray	Box 28, Westwood Br, Cincinnati 2, Ohio	HU1-9726
Iowa	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Ky	James W Murray	Box 28, Westwood Br, Cincinnati 11, Ohio	HU1-9726
La	Corwin Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Me	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Md	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
Mass	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
NH	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
NJ	George G Scott Co	6 Stuart Dr, W., Glen Cove, NY	OR6-2088
NJ	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
NM	Harry Appleton Co., Inc	136 San Fernando Rd, Los Angeles 31, Cal	CA5-5611
NY	George G Scott Co	6 Stuart Dr, W., Glen Cove, NY	OR6-2088
Ohio	James W Murray	Box 28, Westwood Br, Cincinnati, Ohio	HU1-9726
Okla	Corwin Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Ore	G M Gillett Agency	19690 19th N.E., Seattle 55, Wash	PA5-3060
Pa	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
RI	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Tex	Corwin Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Vt	Geist-Hotz Inc	14 Wedgewood Rd, Natick, Mass	OL3-6510
Va	C C Borden Co	Tomlinson Rd, Huntingdon Valley, Pa	WI7-2110
Wash	G M Gillett Agency	19690 19th N.E., Seattle 55, Wash	PA5-3060
Wisc	Jay C Angel & Co	2743 W. Peterson Ave, Chicago 45, Ill	UP8-0653
Foreign	Technical Factors Ltd	C.P.O. Box 1288, Tokyo, Japan	

TECHNICRAFT CO ..... **1156 Commonwealth Ave, Boston 34, Mass**

TECHNIQUE ASSOCIATES DIV DUNCAN ELECTRIC ..... **1413 N. Cornell Ave, Indianapolis, Ind** .. **ME1-4904**

Ala	Gearhart Co	1727-6th Ave, N., Birmingham, Ala	AL2-7419
Cal	Instrument Laboratory	1836 W. Florence Ave, Los Angeles 47	PL2-4104
Cal	Cerruti Associates	P.O. Box 21, Redwood City, Cal	EM9-3354
Colo	Hyde Electronics Co	888 S. Ligan St, Denver 23, Colo	WE6-3456
Ga	Gearhart Co	Gearhart Bldg, Atlanta 19, Ga	CE3-4431
Ill	James H Laas Co	708 Grant St, Downers Grove, Ill	WO8-3311
Ill	Murphy & Dickey	537 S. Dearborn St, Chicago 5, Ill	HA7-7953
La	Emile C Desheutreaux Jr	P.O. Box 261, Kenner, La	KE4-4665
Mass	Osgood Engineering Co	110 Pleasant St, Malden 48, Mass	MA4-5008
Mich	Industrial Temperature Control Co	2210 N. York St, Dearborn, Mich	CR6-2210
NJ	Francis J Gamble	571 Fairview St, Riverside, NJ	HO1-4068
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Robert F Lamb Co	3407 Delaware, Buffalo 7, NY	BE3757
NY	J F Wulfetange Jr	4505 E. Genesee St, Dewitt 14, NY	GR5-3330
Ohio	G H Armstrong Co	P.O. Box 25, Sta K, Cincinnati, Ohio	KI1-3692
Ohio	L H Waldrip Co	3030 Euclid Ave, Cleveland, Ohio	EX1-4242
Tenn	Southeastern Video Inc	601 Madison St, Manchester, Tenn	PA8-7212
Tex	Gay Sales Co., Inc	420 Sul Ross St, Houston, Tex	JA9-3479
Tex	Gay Sales Co., Inc	P.O. Box 8414, Dallas, Tex	EM8-2325
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah	HU5-5347
Wash	Comptronics	2 Hanford, Seattle, Wash	MA4-5135

TECHNIQUES INC ..... **40 Jay St, Englewood, NJ** **LO9-5333**

TECHNITROL ENGINEERING CO ..... **1952 E. Allegheny Ave, Phila 34, Pa** ... **GA6-9105**

Cal	Technitrol Engineering Co	4645 E. Olympic Blvd, Los Angeles 22	AN9-8378
Cal	Carl A Stone Associates	825 N. San Antonio Rd, Palo Alto, Cal	DA6-0057
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Fla	Jack Gardner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Robert J Kennedy	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-9283
Mass	Technitrol Engineering Co	486 Main St, Wakefield, Mass	CR6-5561
Miss	Edward Hoffman Co	216 Liberty Bank Bldg, St. Paul, Minn	ME5-4662
NM	Hytronic Measurements Inc	211 Siera, S.E. Albuquerque, NM	
NC	The Hilker Co	P.O. Box 5211, Winston Salem, NC	PA4-2084
Tex	Airco Engineering Co	P.O. Box 9555, Dallas 14, Tex	TA4-3800

TECHNOGRAPH PRINTED ELECTRONICS INC ..... **920 Northwest Blvd, Winston-Salem, NC** **PA3-0767**

TECHNOLOGY INSTRUMENT CORP ..... **533 Main St, Acton, Mass** **CO3-7711**

Ala	Holliday Hathaway	1224-26 E. Columbia Dr, Orlando, Fla	GA4-5744
Ariz	Technology Instrument Corp of Ariz	1050 E. Valencia Rd, Tucson, Ariz	MA2-1092
Cal	Technology Instrument Corp of Cal	850 Lawrence Blvd, Newbury Park, Cal	HU5-2165
Cal	Technology Instrument Corp of Cal	1225 W. Olympic Blvd, Los Angeles, Cal	MA3-6185
Colo	Technology Instrument Corp of Ariz	1050 E. Valencia Rd, Tucson, Ariz	MA2-1092
Conn	John E Boeing Co	265 Church St, New Haven, Conn	ST7-0115
Del	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
DC	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Fla	Holliday Hathaway	1224-26 E. Colonial Dr, Orlando, Fla	GA4-5744
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago, Ill	SH3-8500
Ind	Crossley Associates Inc	5420 N. College Ave, Indianapolis, Ind	CL1-9255
Iowa	Crossley Associates Inc	2711 W. Howard St, Chicago, Ill	SH3-8500
Kan	Kinrick	222 Olympia Dr, St Louis 21, Mo	JA1-4877
Me	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Md	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Mass	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Mich	Jim Morrow Sales	13149 Hamilton Ave, Highland Park	TO5-7600
Minn	Crossley Associates Inc	842 Raymond Ave. St Paul, Minn	MI6-7881
Mo	Kinrick	222 Olympia Dr, St Louis 21, Mo	JA1-4877
Neb	Crossley Associates Inc	842 Raymond Ave. St Paul, Minn	MI6-7881
Nev	Technology Instrument Corp of Cal	850 Lawrence Blvd, Newbury Park, Cal	HU5-2165
NH	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
NJ	Holliday Hathaway	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NM	Technology Instrument Corp of Ariz	1050 E. Valencia Rd, Tucson, Ariz	MA2-1092
NY	Holliday Hathaway	P.O. Box 296, New Hartford, NY	RE2-1602
NY	Holliday Hathaway	P.O. Box 1081, Rochester 3, NY	GR3-1270
NY	Holliday Hathaway	94 Henry St, Binghamton, NY	BI3-5177
NY	Holliday Hathaway	390 Plandome Rd, Manhasset, NY	MA7-7300
NC	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
ND	Crossley Associates Inc	842 Raymond Ave. St Paul, Minn	MI6-7881
Ohio	Crossley Associates Inc	2801 Far Hills Ave, Dayton 19, Ohio	AX9-3594
Okla	John A Green Co	2714 S. Lewis St. Tulsa, Okla	RI2-4657
Ore	Technology Instrument Corp of Cal	850 Lawrence Blvd, Newbury Park, Cal	HU5-2165
Pa	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
RI	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
SC	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
SD	Crossley Associates Inc	842 Raymond Ave, St Paul, Minn	MI6-7881
Tex	John A Green Co	7118 Envoy Ct. Dallas 35, Tex	FL2-9918
Vt	John E Boeing Co	P.O. Box 235, Lexington, Mass	VO2-2500
Va	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Wash	Testco	Boeing Field, Seattle, Wash	PA3-9000
W.Va	Holliday Hathaway	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000
Wisc	Crossley Associates Inc	2711 W. Howard St. Chicago, Ill	SH3-8500
Canada	Mel Sales Limited	1969 Avenue Rd, Toronto 12, Ontario, Canada	HU1-0231
Canada	Mel Sales Limited	P.O. Box 1352, Sta O, Montreal, Quebec, Canada	NA7-4313

TECHNOLOGY INSTR CORP OF ARIZ ..... **1050 E. Valencia Rd, Tucson 2, Ariz** ... **MA2-1092**

Ariz	Gramer & Co	444 W. Camelback Rd, Phoenix, Ariz	CR9-1231
Colo	Landes Zachary & Peterson Co	601 S. Jason, Denver, Colo	SH4-0513
NM	Landes Zachary & Peterson Co	5900 Domingo, Albuquerque, NM	AL6-9449
Utah	Landes Zachary & Peterson Co	2501 S. State St, Salt Lake City, Utah	HU7-7873

TECHNOLOGY INSTRUMENT CORP OF ILL ..... **10130 W. Pacific, Franklin Park, Ill** **GL1-1140**

Cal	Technology Instrument Corp of Cal	850 Lawrence Dr, Newbury Park, Cal	HU5-2165
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago, Ill	SH3-8500
NJ	Holliday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
Tex	John A Green Co	7118 Envoy Ct, Dallas 35, Tex	FL2-9918
Canada	Mel Sales Ltd	Amprior, Ontario, Canada	AR 400

TECH-OHM RESISTOR CORP ..... **36-11 33rd St, Long Island City 6, NY** .. **ST6-2274**

Ala	Buthan Inc	Wilmington, NC	RO2-5749
Alaska	Fred H Haight Co	Seattle, Wash	EA2-1818
Ariz	J W Marsh Co	Phoenix, Ariz	CR4-7342
Ark	Athans Sales Co	Ft. Worth, Tex	PE8-2639
Cal	J W Marsh Co	Los Angeles, Cal	RE2-0145
Colo	Inland Associates	Lakewood, Colo	
Conn	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
Del	Harry J White Co	Haddonfield, NJ	HA8-2304
DC	Harry J White Co	Haddonfield, NJ	HA8-2304
Fla	Buthan Inc	Wilmington, NC	RO2-5749
Ga	Buthan Inc	Wilmington, NC	RO2-5749
Hawaii	J W Marsh Co	Los Angeles, Cal	RE2-0145
Idaho	Fred H Haight Co	Seattle, Wash	EA2-1818
Ill	Ringland M Krueger Co	Chicago, Ill	PE6-3107
Ind	R C Warner & Associates	Sturgis, Mich	ST1140
Iowa	Inland Associates	Mission, Kan	EN2-2366
Kan	Inland Associates	Mission, Kan	EN2-2366
Ky	R C Warner & Associates	Sturgis, Mich	ST1140
La	Athans Sales Inc	Ft. Worth, Tex	PE8-2639
Me	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
Md	Harry J White Co	Haddonfield, NJ	HA8-2304
Mass	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
Mich	R C Warner & Associates	Sturgis, Mich	ST1140
Minn	Fred Peterson Co	Minneapolis, Minn	FR7-3025
Miss	Athans Sales Inc	Ft. Worth, Tex	PE8-2639
Mo	Inland Associates	Mission, Kan	EN2-2366
Mont	Fred H Haight Co	Seattle, Wash	EA2-1818
Neb	Inland Associates	Mission, Kan	EN2-2366
Nev	J W Marsh Co	Los Angeles, Cal	RE2-0145
NH	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
NJ	Heller & Associates	New York, NY	JU6-8898
NJ	Harry J White Co	Haddonfield, NJ	HA8-2304
NM	J W Marsh Co	Los Angeles, Cal	RE2-0145
NY	Heller & Associates	New York, NY	JU6-8898
NY	Midstate Research Sales Co	Syracuse, NY	GR8-8314
NC	Buthan Inc	Wilmington, NC	RO2-5749
ND	Fred H Haight Co	Seattle, Wash	EA2-1818
Ohio	R G Sidrell Co	Cleveland, Ohio	AC1-1313
Okla	Athans Sales Inc	Ft. Worth, Tex	PE8-2639
Ore	Fred H Haight Co	Seattle, Wash	EA2-1818
Pa	Harry J White Co	Haddonfield, NJ	HA8-2304
Pa	R G Sidrell Co	Cleveland, Ohio	AC1-1313
RI	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
SC	Buthan Inc	Wilmington, NC	RO2-5749
SD	Fred H Haight Co	Seattle, Wash	EA2-1818
Tenn	Buthan Inc	Wilmington, NC	RO2-5749
Tex	Athans Sales Inc	Ft. Worth, Tex	PE8-2639
Utah	Inland Associates Inc	Lakewood, Colo	
Vt	Norman A Terry	Pumpkin Hill, New Milford, Conn	EL4-7574
Va	Buthan Inc	Wilmington, NC	RO2-5749
Wash	Fred H Haight Co	Seattle, Wash	EA2-1818
W. Va	Buthan Inc	Wilmington, NC	RO2-5749
Wisc	Fred Peterson Co	Minneapolis, Minn	FR7-3025
Wyo	Inland Associates Inc	Lakewood, Colo	
Foreign	Fred H Haight Co	Seattle, Wash	EA2-1818

TECHRON CORP ..... **20 Simmons St, Boston 20, Mass** **HI5-2150**

Fla	Holliday-Hathaway Co., Inc	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Mass	Brookdale Engineering & Services Co	8 Beacon St, Boston, Mass	CA7-1515
NJ	Holliday-Hathaway Co., inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NY	Holliday-Hathaway Co., Inc	390 Plandome Rd, Manhasset, NY	MA7-7300
NY	Holliday-Hathaway Co., Inc	94 Henry St, Binghamton, NY	RA3-5177
NY	Holliday-Hathaway Co., Inc	P.O. Box 1081, Rochester 3, NY	GR3-1270
NY	Holliday-Hathaway Co., Inc	P.O. Box 296, New Hartford, NY	RE2-1602
Pa	Holliday-Hathaway Co., Inc	8601 W. Chester Pike, Upper Darby, Pa	HI9-2000

TECH-TAC INC ..... **727 W. 7th St, Los Angeles 17, Cal** **MA4-3444**

TED MFG CORP ..... **11415 Johnson Dr, Shawnee, Kan** **HE2-7470**

Ariz	Bowen & Carlberg	Albuquerque, NM	
Cal	Bill Entrikin	P.O. Box 393, Balboa Island, Cal	OR3-8208
Minn	K L Tannehill	2534 25th Ave, S., Minneapolis, Minn	PA1-5563
NM	Bowen & Carlberg	Albuquerque, NM	
Tex	P J Scanlon	2608 Inwood, Dallas, Tex	FL1-9991

TEINER CO., INC., ROLAND ..... **134 Tremont St, Everett 49, Mass** **DU7-7800**

Pa	Production Components Co	1754 N. Highland Rd, Philadelphia, Pa	LO3-1888

TEKTRON INSTRUMENT CO ..... **Box 4215, Sacramento 21, Calif** **WA2-5421**

TEKTRONIX INC ..... **P. O. Box 831, Portland, Ore** **MI4-0161**

Ala	Tektronix Inc	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-4484
Ariz	Tektronix Inc	7000 E. Camelback Rd, Scottsdale, Ariz	WH6-1601
Ark	Tektronix Inc	6211 Denton Dr, Dallas 35, Tex	FL7-9128
Cal	Tektronix Inc	11681 San Vicente Blvd, W. L A 49	BR2-1563
Cal	Tektronix Inc	701 Welch Rd, Palo Alto, Cal	DA6-8500
Colo	Tektronix Inc	2120 S. Ash St, Denver 22, Colo	SK7-1249
Conn	Tektronix Inc	1122 Main St, Stamford, Conn	DA5-3817
Del	Tektronix Inc	7709 Ogontz Ave, Philadelphia 50, Pa	WA4-5678
DC	Tektronix Inc	9619 Columbia Pike, Annandale, Va	CL6-7411
Fla	Tektronix Inc	205 E. Colonial Dr, Orlando, Fla	GA5-3483
Ga	Tektronix Inc	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-4484
Idaho	Tektronix Inc	2120 S. Ash St, Denver 22, Colo	SK7-1249
Ill	Tektronix Inc	400 Higgins Rd, Park Ridge 15, Ill	TA5-6666
Ind	Tektronix Inc	3601 S. Dixie Dr, Dayton 39, Ohio	AX3-4175
Iowa	Tektronix Inc	400 Higgins Rd, Park Ridge 15, Ill	TA5-6666
Kan	Tektronix Inc	5920 Nall, Mission, Kan	HE2-1003
Ky	Tektronix Inc	3601 S. Dixie Dr, Dayton 39, Ohio	AX3-4175
La	Tektronix Inc	2605 Westgrove Ln, Houston 27, Tex	WO7-8301
Me	Tektronix Inc	442 Marrett Rd, Lexington 73, Mass	VO2-7570
Md	Tektronix inc	724 York Rd, Towson 4, Md	VA5-9000
Mass	Tektronix Inc	442 Marrett Rd, Lexington 73, Mass	VO2-7570
Mich	Tektronix Inc	27310 Southfield Rd, Lathrup Village	EL7-0040
Minn	Tektronix Inc	3100 W. Lake St, Minneapolis 16, Minn	WA7-9559
Miss	Tektronix Inc	2605 Westgrove Ln, Houston 27, Tex	WO7-8301
Mo	Tektronix Inc	5920 Nall, Mission, Kan	HE2-1003
Mont	Tektronix Inc	2120 S. Ash St, Denver 22, Colo	SK7-1249
Neb	Tektronix Inc	5920 Nall, Mission, Kan	HE2-1003
Nev	Tektronix Inc	701 Welch Rd, Palo Alto, Cal	DA6-8500
NH	Tektronix Inc	442 Marrett Rd, Lexington 73, Mass	VO2-7570
NJ	Tektronix Inc	400 Chestnut St, Union, NJ	MU8-2222
NM	Tektronix Inc	1270 Jefferson St. N.E., Albuquerque	AM8-3373
NY	Tektronix Inc	840 Willis Ave, Albertson, NY	PI7-4830
NY	Tektronix Inc	E. Mallov Rd & Packard Dr, Syracuse	GL4-2426
NC	Tektronix Inc	1838 Banking St, Greensboro, NC	BR4-0486
ND	Tektronix Inc	3100 W. Lake St, Minneapolis, Minn	WA7-9559
Ohio	Tektronix Inc	1503 Brookpark Rd, Cleveland 9, Ohio	FL1-8414
Ohio	Tektronix Inc	3601 S. Dixie Dr, Dayton 39, Ohio	AX3-4175
Okla	Tektronix Inc	6211 Denton Dr, Dallas 35, Tex	FL7-9128
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland 14	BE4-9375
Pa	Tektronix Inc	7709 Ogontz Ave, Philadelphia 50, Pa	WA4-5678
RI	Tektronix Inc	442 Marrett Rd, Lexington 73, Mass	VO2-7570
SC	Tektronix Inc	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-4484
SD	Tektronix Inc	3100 W. Lake St, Minneapolis 16, Minn	WA7-9559
Tenn	Tektronix Inc	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-4484
Tex	Tektronix Inc	6211 Denton Dr, Dallas 35, Tex	FL7-9128
Utah	Tektronix Inc	2120 S. Ash St, Denver 22, Colo	SK7-1249
Vt	Tektronix Inc	442 Marrett Rd, Lexington 73, Mass	VO2-7570
Va	Tektronix Inc	9619 Columbia Pike, Annandale, Va	CL6-7411
Wash	Hawthorne Electronics	112 Admin Bldg, Boeing Field, Seattle	AC2-0384
W.Va	Tektronix Inc	1503 Brookpark Rd, Cleveland 9, Ohio	FL1-8414
Wisc	Tektronix Inc	400 Higgins Rd, Park Ridge 15, Ill	TA5-6666
Wyo	Tektronix Inc	2120 S. Ash St, Denver 22, Colo	SK7-1249

TELAUTOGRAPH CORP ..... **8700 Bellance Ave, Los Angeles 8, Cal** **OR6-4756**

Cal	Telautograph Corp	2501 W. 3rd St, Los Angeles 57, Cal	DU2-8445
Cal	Telautograph Corp	3522 Geary St, San Francisco, Cal	SK1-5102
DC	Telautograph Corp	3732 10th St, N.E., Washington 17, DC	LA6-6989
Ga	Telautograph Corp	174-14th St, N.W., Atlanta, Ga	TR4-6472
Ill	Telautograph Corp	435 N. Michigan Ave, Chicago, Ill	WH4-0241
Mass	Telautograph Corp	25 Huntington Ave, Boston 16, Mass	CO7-9440
Mich	Telautograph Corp	5057 Woodward Ave, Detroit 2, Mich	TE3-5191
Mo	Telautograph Corp	506 Fullerton Bldg, St. Louis 1	CH1-5733
Mo	Telautograph Corp	Union Sta Bldg, Kansas City 8, Mo	VI2-2330
NJ	Telautograph Corp	364-70 Main St, East Orange, NJ	WI2-2808
NY	Harry A Laurence	924 Kenmore Ave, Buffalo 23, NY	RI2244
NY	Telautograph Corp	405 Lexington Ave, New York	YU6-4840
NY	Telautograph Corp	5-35 50th Ave, Long Island City, NY	RA9-0476
NY	Hogan Faximile Corp	155 Perry St, New York 14, NY	
Ohio	Telautograph	626 Broadway, Cincinnati 2, Ohio	GA1-1378
Ohio	Telautograph Corp	1120 Chester Ave, Cleveland 14, Ohio	SU1-9737

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Pa	Telautograph Corp	1013 City Centre Bldg, Philadelphia 7, Pa	LO7-2946
Pa	Telautograph Corp	929 Park Ave, Pittsburgh 34, Pa	FI1-8409
Tex	Telautograph Corp	5635 Yale Blvd, Dallas 6, Tex	EM8-7335
Tex	Telautograph Corp	2411 Times Blvd, Houston 5, Tex	JA9-6520
Wash	Telautograph Corp	230 Fairview N., Seattle 9, Wash	MA4-0555
	TELCO INC	**47 Rue De La Div Leclerc, Gentilly, France**	**ALE-39-85**
Cal	Dallons Labs	5066 Santa Monica Blvd, Los Angeles	NO4-1951
NY	Dallons Labs	155 E. 23rd St, New York 10, NY	
	TELCO ELECTRONICS MFG CO DIV G-C TEXTRON INC	**400 S. Wynne St, Rockford, Ill**	**WO8-9661**
Ala	The Clark Adair Co	1426 Highpoint Pl, N.E., Atlanta 6, Ga	TR5-3979
Alaska	The Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Alaska	The Dave M Lee Co	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Ariz	Shefler-Kahn Co	240 S. First Ave, Phoenix, Ariz	AL9-7903
Ark	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Cal	Mueller Electronic Sales	3225 Exposition Pl, L A 18, Cal	AX5-3239
Cal	Harold L Newnan	56 41st Ave, San Mateo, Cal	FI1-3433
Colo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Conn	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Del	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
DC	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Fla	L E Barnhart	1003 Gunwa Rd, Jacksonville, Fla	RA4-0987
Ga	The Clark Adair Co	1426 Highpoint Pl, N.E., Atlanta 6, Ga	TR5-3979
Hawaii	Gene Piety Factors Inc	2030 Home Rule St, Honolulu 17, Hawaii	8-3105
Idaho	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Idaho	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Ill	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Ill	Theodore B Lowell & Associates	Box 26, Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Ind	Burton F Hornsher Co	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Iowa	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	Theodore B Lowell & Associates	Box 26, Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Ky	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Ky	Burton F Hornsher Co	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
La	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Me	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Md	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Md	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Mass	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Mich	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Minn	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis, Minn	TA5-1234
Miss	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
Mo	Theodore B Lowell & Associates	Box 26, Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Mont	Dave M Lee Co	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Mont	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Neb	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Nev	Mueller Electronic Sales	3225 Exposition Pl, Los Angeles, Cal	AX5-3239
Nev	Harold L Newnan	56 41st Ave, San Mateo, Cal	FI1-3433
NH	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
NJ	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
NJ	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NM	Shefler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz	AL9-7903
NY	Jerry Greenberg Associates	16 Hudson St, New York 13, NY	WO4-7150
NY	The Marsey Sales Co	529 Merchants Rd, Rochester 9, NY	HU2-4133
NC	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
ND	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Okla	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Ore	Dave M Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Pa	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
RI	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
SC	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
SD	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Tenn	The Clark Adair Co	1426 N.E. Highpoint Pl, Atlanta 6, Ga	TR5-3979
Tex	Berthold Sales Co	4411 Maple Ave, Dallas 19, Tex	LA6-8329
Utah	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Vt	Mosher & Peyser Co	945 Great Plain Ave, Needham 92, Mass	HI4-1400
Va	The Clark Adair Co	1426 Highpoint Pl, N.E., Atlanta 6, Ga	TR5-3979
Wash	Dave M Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
W. Va	Nelson-Platt Sales Co	300 Marlton Pike, Erlton, NJ	NO3-1400
Wisc	Stan Clothier Co., Inc	12 W. 58th St, Minneapolis 19, Minn	TA5-1234
Wisc	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Wyo	Gordon Moss Electronics Inc	P.O. Box 428, Greeley, Colo	EL3-1452
Canada	C Elton McLennan Ltd	1624 W. 3rd Ave, Vancouver 9, B C	BA2898
Canada	Charles W Pointon Ltd	66 Racine Rd, Rexdale, Ontario, Canada	CH7-8777
Foreign	East Coast International Inc	1900-32 N.W. Miami Ct, Miami 36, Fla	FR1-5506
Foreign	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill	FR2-8785
	TELCON	**P.O.Box 216, Pacific Palisades, Cal**	**GL4-4043**
Alaska	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash
Alaska	Don H Burcham Co	510 N.W. 19th Ave, Portland 1, Ore
Del	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
DC	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Idaho	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash
Idaho	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore
Md	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Mont	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash
Mont	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore
NJ	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore
Pa	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Va	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Wash	Don H Burcham Co	422 First Ave, W., Seattle 99, Wash
W. Va	Andco Sales-Engineering	5823 Greene St, Philadelphia 44, Pa	VI4-9100
	TELECHROME MFG CORP	**28 Renick Dr, Amityville, NY**	**LI1-3600**
Cal	Telechrome Mfg Corp	13635 Victory Blvd, Van Nuys, Cal	ST2-7479
Ill	Telechrome Mfg Corp	106 West St, Charles Rd, Lombard, Ill	MA7-6026
Tex	Telechrome Mfg Corp	4207 Gaston Ave, Dallas, Tex	TA3-3291
	TELE COIL CO	**2733 Saunders St, Camden 5, NJ**	**EM5-7528**
Md	Bernard White	1104 Mondawmin Concourse, Baltimore	LA3-7700
NY	Frank Tylinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
Pa	William Drew & Co	104 Essex Dr, Narberth, Pa	MO4-6766
	TELECON INC	**1019 Admiral Blvd, Kansas City, Mo**
	TELECOMPUTING CORP	**915 N. Citrus, Hollywood, Cal**
DC	A H Fogelman Associates	2000 K St, N.W., Washington 6, DC	FE3-6767
	TELECTRO INDUSTRIES CORP	**35-16 37th St, Long Island City 1, NY**	**YE2-8600**
	TELECTRON CO	**3991 S.W. 12th Terr, Ft. Lauderdale, Fla**	**JA4-8361**
	TELECTROSONIC CORP	**35-18 37th St, Long Island City 1, NY**	**YE2-8600**
	TELEGRAPH CONDENSER CO LTD	**Wales Farm Rd, Acton London W.3, England**
	TELEMETER MAGNETICS INC	**P. O. Box 329, Culver City, Cal**	**UP0-8571**
Cal	Ault Assoc	120 Santa Margarita Dr, Menlo Park, Cal	DA6-1760
Conn	Telemeter Magnetics Inc	P.O. Box 343, New Canaan, Conn	WO6-3736
DC	Telemeter Magnetics Inc	306 H St, N.W., Washington 13, DC	NA8-1886
Fla	Michael C Ellison	141 Miami Ave, Indialantic, Fla	PA3-6462
Ill	Telemeter Magnetics Inc	P.O. Box 38, Lake Bluff, Ill	AN3-3121
Mass	L L Schley Co	70 Coolidge Hill Rd, Watertown, Mass	WA6-0235
Minn	Fred B Hill Co	6110 Excelsior Blvd, Minneapolis, Minn	WE9-6726
Mo	Zak-Cowen Assoc	7730 Carondelet, St. Louis, Mo	PA7-8559
NY	L L Schley Co	P.O. Box 214, DeWitt, NY	GI6-1642
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
Ohio	Dayton Assoc	Talbot Tower, Dayton 2, Ohio	BA3-9251
Ohio	Dayton Assoc	4924 Zula Ave, Cincinnati 38, Ohio	BL1-7349
Pa	Danco Corp	Fairview Village, Pa	BR5-2600
Pa	Telemeter Magnetics Inc	P.O. Box 426, Lavittown, Pa	WI9-3443
Tex	Southwest Electronic Industries	4515 Prentice St, Dallas 6, Tex	EM3-1571
Foreign	Kanematsu-New York Inc	606 S. Hill St, Los Angeles, Cal	MA7-9857
	TELEMETERING ASSOCIATES	**6419 Indigo St, Houston, Tex**
	TELEPHONICS CORP	**Park Ave, Huntington, NY**	**HA3-6200**
Cal	James Adams	P.O. Box 45114, L.A. Intl Airport, L.A.	AX4-5693
Fla	Telephonics Corp	Broward County Airport, Ft. Lauderdale	JA3-4422
	TELEQUIP RADIO CO	**2559 W. 21st St, Chicago 8, Ill**	**BI7-3841**
	TELERAD MFG CORP	**1440 Broadway, New York 18, NY**	**BR9-0892**
Ariz	Premmco of Arizona	P.O. Box 663, Scottsdale, Ariz	WH5-4486
Ark	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Cal	Wallace & Wallace	1205 Maple Ave, Los Angeles 15, Cal	RI7-0401
Cal	G B Ellis Sales Co	2316 El Camino Real, Mountain View, Cal	YO7-5531
Del	John A O'Neill	P.O. Box 311, Collingdale, Pa	LU3-6407
Ill	Lee Falkenberg	1665 N. Milwaukee Ave, Chicago 47, Ill	HU6-6744
Kan	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
La	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Md	John A O'Neill	P.O. Box 311, Collingdale, Pa	LU3-6407
NJ	John A O'Neill	P.O. Box 311, Collingdale, Pa	LU3-6407
NM	Premmco of Arizona	P.O. Box 663, Scottsdale, Ariz	WH5-4486
Okla	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Pa	John A O'Neill	P.O. Box 311, Collingdale, Pa	LU3-6407
Tex	Southern Industrial Electronics	P.O. Box 9814, Dallas, Tex	FL2-3901
Utah	Premmco of Arizona	P.O. Box 663, Scottsdale, Ariz	WH5-4486
Va	John A O'Neill	P.O. Box 311, Collingdale, Pa	LU3-6407
Foreign	Paul S Furth Inc	117 E. 77th St, New York 21, NY	RH4-7904
	TELEREGISTER CORP	**445 Fairfield Ave, Stamford, Conn**
	TELE-SMOKE CORP	**17 Ward St, Bloomfield, NJ**
	TELETYPE CORP	**5555 W. Touhy Ave, Skokie, Ill**	**CO7-6700**
	TELEVISION SPECIALTY CO	**350 W. 31 St, New York 1, NY**	**LO4-2334**
	TELEVISION UTILITIES CORP DIV OF NORD	**300 Denton Ave, New Hyde Park, NY**	**PI6-4300**
	TELEVISO CORP	**1415 Golf Rd, Des Plaines, Ill**
	TELEWAVE LABS INC	**43-20 34th St, Long Island City, NY**	**EX2-4500**
Ala	Murphy & Cota	Ln Plaza, 250-5th Ave, Huntsville, Ala
Ariz	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Ark	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
Cal	T Louis Snitzer Co	510 S. Mathilda Ave, Sunnyvale, Cal	RE6-6733
Cal	T Louis Snitzer Co	7814 Ivanhoe Ave, LaJolla, Cal	GL4-2191
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn	AT8-2900
Del	Eastern Associates	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
DC	Brimberg Associates	221 Investment Bldg, Washington 5, DC	DE2-8000
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 5, Ga	TR6-3020
Hawaii	John J Harding Co Ltd	P.O. Box 4013, Honolulu, Hawaii	99-5375
Idaho	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Ind	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Iowa	Engineering Services Co	1305 Oakland Gardens, Cedar Rapids,	EM5-6183
Kan	Engineering Services Co	8325 Indianapolis Ave, Wichita, Kan	MU3-3751
La	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Me	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Md	Eastern Associates	5547 Baltimore Nat'l Pike, Baltimore, Md	RI4-3676
Md	Eastern Associates	8616 Georgia Ave, Silver Spring, Md
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass	BI4-4832
Mich	Harvey Teplitz & Co	19942 Inkster Rd, Detroit 19, Mich	KE7-9058
Minn	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Miss	Murphy & Cota	Ln Plaza, 250-5th Ave, Huntsville, Ala
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Mo	Engineering Services Co	6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
Nev	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2074
NH	George Gregory Associates	99 Elm St, W., Newton, Mass	BI4-4832
NJ	Eastern Associates	820 Homestead Rd, Jenkintown, Pa	TU4-7200
NJ	Robert E Savold	43-20 34th St, Long Island City, NY	EX2-4500
NM	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
NY	Naco Electronics Corp	704 Allen Rd, N., Syracuse, NY	GL8-2358
NY	Naco Electronics Corp	74 Park Ave, Rochester, NY
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Ohio	Harvey Teplitz & Co	671 Sycamore Dr, Cleveland, Ohio	RE1-5676
Ohio	Harvey Teplitz & Co	3543 Cornell Dr, Dayton, Ohio	CR7-9178
Okla	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore
Pa	Eastern Associates	820 Homestead Rd, Jenkintown, Pa	TU4-7200
RI	George Gregory	99 Elm St, W., Newton, Mass	BI4-4832
SC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tenn	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tex	Industrial Associated Electronics	5007 E. Lancaster Ave, Ft. Worth, Tex	JE1-1132
Tex	Industrial Associated Electronics	Int'l Airport, El Paso, Tex	PR2-2441
Utah	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Vt	George Gregory	99 Elm St, W., Newton, Mass	BI4-4832
Va	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Wash	Hawthorne Electronics	Admin Bldg, Boeing Field, Seattle, Wash	PA5-1406
W. Va	Brimberg Associates	221 Investment Bldg, Washington, DC	DE2-8000
Wisc	Loren F Green & Associates	5218 W. Diversey Ave, Chicago, Ill	PA5-6824
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Foreign	Sales Offices/Representatives in all principal countries	
	TELEX INC	**Telex Park, St. Paul 1, Minn**	**MI6-7211**
Ala	George O Jesse & Associates	1108 Fern Ave, Birmingham, Ala	TR9-6015
Alaska	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Ariz	E V Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL2-8904
Ark	Texport	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Ark	Texport	12910 Tosca Ln, Houston, Tex	HO5-0734
Cal	E V Roberts & Associates	5068 W. Washington Blvd, L A 16, Cal	WE8-2541
Cal	E V Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Cal	E V Roberts & Associates	4379 30th St, San Diego 4, Cal	AT3-2149
Colo	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Conn	Michael Scott	336 Washington St, Wellesley Hills, Mass
Del	M Scott	336 Washington St, Wellesley Hills, Mass
DC	Martin Friedman	1805 Hillenwood Rd, Baltimore, Md	ID5-5872
Fla	Frank Nickerson Co	P.O. Box 38-2, Little River Sta, Miami	FL1-4692
Fla	Frank Nickerson Co	P.O. Box 7913, Orlando, Fla	MI4-4413
Ga	Frank Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Hawaii	Dougherty Enterprises	149 Kaimi St, Kailua, Hawaii Cable: Dough Honolulu
Idaho	Ron Merritt	1320 Prospect St, Seattle 9, Wash	MU2-7337
Idaho	McLoud & Raymond	5403 E. Evans, Denver 22, Colo	SK6-1589
Ill	Loren F Green & Associates	5218 W. Diversey Ave, Chicago 39, Ill	PA5-6824
Ind	Loren F Green	5218 W. Diversey, Chicago, Ill	PA5-6824
Kan	H A Roes Co	421 S. Main, Wichita, Kan	AM2-1454
Ky	Loren F Green	5218 W. Diversey, Chicago, Ill	PA5-6824
La	Texport Co	501 N. Jefferson Pkwy, New Orleans	HU2-9564
Me	Michael Scott	336 Washington, Wellesley Hills, Mass
Md	Martin Friedman & Associates	1805 Hillenwood Rd, Baltimore 14, Md	ID5-5872
Mass	Michael Scott Co., Inc	336 Washington St, Wellesley Hills	CE5-0102
Mich	Jack Rathsburg	3539 Townsend Ave, Detroit 14, Mich	WA5-8850
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Miss	Texport	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Miss	Texport	12910 Tosca Ln, Houston, Tex	HO5-0734
Mo	H A Roes Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mo	Russ D Sebright Co	7120 W. Florissant Ave, St. Louis 20, Mo	CO1-0055
Mont	Ron Merritt	1320 Prospect St, Seattle 9, Wash	MU2-7337
Mont	McLoud & Raymond	5403 E. Evans, Denver 22, Colo	SK6-1589
Neb	Roes	2601 Cherry St, Kansas City, Mo	BA1-0866
NH	Michael Scott	336 Washington St, Wellesley Hills, Mass
NJ	D R Bittan	104 S. Central Ave, Valley Stream, NY
NJ	M Friedman	7 Heather Rd, Bala Cynwyd, Pa	TR7-3450
NM	E V Roberts & Associates	112C Tulane Dr, S.E., Albuquerque, NM	AL5-7304
NY	D R Bittan Co	104 S. Central Ave, Valley Stream	LO1-2444
NY	I A Holze Co., Inc	112 Dewitt St, Syracuse 3, NY	GR9-6641
NY	R W Mitscher Co., Inc	487 Ellicott Square Bldg, Buffalo 3, NY	WA2517
NC	Frank Nickerson Co	2334 Orton St, Charlotte 8, NC	EX9-3673
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626

Ohio	Scott & Steffen Inc	81 E. State St, Columbus 15, Ohio	CA8-2313
Ohio	Scott & Steffen Inc	102 W. 2nd St, Dayton 2, Ohio	BA3-2652
Okla	Texport	2147 Farrington Blvd, Dallas, Tex	RI7-6886
Okla	Texport	12910 Tosca Ln, Houston, Tex	HO5-0734
Ore	Ron Merritt	1320 Prospect St, Seattle 9, Wash	MU2-7337
Pa	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa	TR7-3450
Pa	Scott & Steffen Inc	507 Liberty Ave, Pittsburgh, Pa	GR1-5233
RI	Michael Scott	336 Washington St, Wellesley Hills, Mass	
SD	McLoud & Raymond	5403 E. Evans, Denver 22, Colo	SK6-1589
Tenn	George O Jesse & Associates	1011 W. Sharpe Ave, Nashville, Tenn	CA8-0785
Tex	Texport Co	2147 Farrington Blvd, Dallas 7, Tex	RI7-6886
Tex	Texport Co	12910 Tosca Ln, Houston 24, Tex	HO5-0734
Utah	McLoud & Raymond	5403 E. Evans, Denver 22, Colo	SK6-1589
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Ont, Can	RU1-6174
Canada	Atlas Radio Corp Ltd	3333 Cavendish Blvd, Montreal, P Q, Can	HU9-8495
Canada	Atlas Radio Corp Ltd	106-525 Seymour St, Vancouver 2, B C, Can	MU3-5848

TEL INSTRUMENT ELECTRONICS CORP — **728 Garden St, Carlstadt, NJ** — **WE3-1600**

Ala	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Alaska	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Ariz	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Cal	J F Sodaro Co	3895 Main St, Culver City, Cal	TE0-3213
Colo	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Conn	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Del	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
DC	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Fla	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Ga	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Hawaii	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750
Idaho	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Ill	K W Meyers Co	6713 N. Oliphant Ave, Chicago, Ill	SP4-6440
Ind	K W Meyers Co	6713 N. Oliphant Ave, Chicago, Ill	SP4-6440
Iowa	K W Meyers Co	6713 N. Oliphant Ave, Chicago, Ill	SP4-6440
Kan	Wilbur E Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Custom Engineering Co	2975 Far Hills Ave, Dayton, Ohio	AX8-5246
Miss	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Mo	Wilbur E Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
Mont	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Neb	Wilbur E Goll	10511 W. 56th Terr, Shawnee, Kan	RA2-2528
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	Landfear Enterprises	165 Franklin Ave, Nutley 10, NJ	NO7-2900
NM	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
NY	E R P Assoc	P.O.Box 23, Fayetteville, NY	CH6630
NC	Stanley K Wallace	2705 Cataline Dr, Orlando, Fla	WE9-3241
Ohio	Custom Engineering Co	2975 Far Hills Ave, Dayton 19, Ohio	AX8-5246
Okla	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Ore	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Pa	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Tenn	Stanley K Wallace Assoc	2705 Cataline Dr, Orlando, Fla	WE9-3241
Tex	Allied Components Inc	2517 Converse St, Dallas, Tex	RI2-2830
Utah	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	G W Moler Co	P.O. Box 240, Haddonfield, NJ	HA8-2440
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wisc	K W Meyers Co	6713 N. Oliphant Ave, Chicago, Ill	SP4-6440
Wyo	Cox Sales Co	Box 4201, S. Denver Sta, Denver, Colo	PE3-6772
Foreign	Ad Auriema Inc	85 Broad St, New York 4, NY	BO9-7750

TEL-LABS INC — **1050 Second St, Manchester, NH** — **NA3-5711**

Cal	Irving Ballard Co., Inc	407 Sansome St, San Francisco, Cal	SU1-1781
Ind	Robert O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Mass	Hathaway Electronics Inc	238 Main St, Cambridge, Mass	KI7-0390
NY	Fay Garrettson Inc	105 Hillside Ave, Williston Park, NY	PI2-1616

TELONIC ENGINEERING CORP — **733 Broadway, Laguna Beach, Cal** — **HY4-7581**

Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2073
Cal	T Louis Snitzer Co	510 S. Mathilda, Sunnyvale, Cal	RE6-6733
Cal	T Louis Snitzer Co	7814 Ivanhoe, LaJolla, Cal	GL4-2191
Conn	Instrument Dynamics Inc	75 Wilcox St, Milford, Conn	TR4-7764
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Ind	Ridgway Associates Inc	1224 N. Capitol, Indianapolis, Ind	WE5-2401
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-5600
NY	H L Hoffman Co	35 Old Country Rd, Westbury, NY	ED4-5600
NY	Sylvan Ginsbury Ltd	8 W. 40th St, New York, NY	LO4-7585
NY	Tesco Associates	114 Miles Ave, Syracuse, NY	HO3-4533
NC	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ohio	Electro Sales Associates	281 E. 216th St, Euclid 23, Ohio	RE2-7444
Ohio	Electro Sales Associates	Day Bel Box 143, Dayton 20, Ohio	CH4-5551
Ore	Hawthorne Electronics	700 S.W. Hawthorne, Portland, Ore	
Pa	C E Snow Co	919 E. Phil-ellena, Philadelphia, Pa	LI8-8043
Wash	Hawthorne Electronics	112 Adm Bldg, Boeing Fld, Seattle	PA5-1460
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Canada	CE4-4686

TELONIC INDUSTRIES INC — **60 N. 1st Ave, Beech Grove, Ind** — **ST7-7241**

Ala	Scientific Sales Engineering Co	3519 German Pl, Huntsville, Ala	JE9-5552
Ariz	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2073
Cal	T Louis Snitzer Co	5354 W. Pico Blvd, Los Angeles, Cal	WE8-2073
Cal	T Louis Snitzer Co	510 S. Mathilda, Sunnyvale, Cal	RE6-6733
Cal	T Louis Snitzer Co	7814 Ivanhoe, La Jolla, Cal	GL4-2191
Conn	Instrument Dynamics Inc	75 Wilcox St, Milford, Conn	TR4-7764
Del	C E Snow Co	919 E. Phil-ellena, Philadelphia, Pa	LI8-8043
DC	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Ill	Ridgway Associates Inc	6100 W. North Ave, Chicago, Ill	TU9-5715
Ind	Ridgway Associates Inc	1224 N. Capitol Ave, Indianapolis, Ind	WE5-2401
Iowa	Ridgway Associates Inc	6100 W. North Ave, Chicago, Ill	TU9-5715
Ky	Ridgway Associates Inc	1224 N. Capitol Ave, Indianapolis, Ind	WE5-2401
Me	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Md	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Mich	Electro Sales Associates	36500 Weideman Rd, Mt. Clemens, Mich	HO8-5600
Miss	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Miss	Scientific Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
NJ	H L Hoffman Co	35 Old Country Rd, Westbury, NY	ED4-5600
NJ	C E Snow Co	919 E. Phil-ellena, Philadelphia, Pa	LI8-8043
NY	H L Hoffman Co	35 Old Country Rd, Wesbury, NY	ED4-5600
NY	Tesco Associates	114 Miles Ave, Syracuse 10, NY	HO3-4533
NC	Scientific Sales Engineering Co	2831 Main St, Winston-Salem, NC	TR3-2475
Ohio	Electro Sales Associates	281 E. 216th St, Euclid, Ohio	RE2-7444
Ohio	Electro Sales Associates	Day Bel Box 143, Dayton, Ohio	CH4-5551
Ore	Hawthorne Electronics	700 S. E. Hawthorne, Portland, Ore	BE4-9375
Pa	Electro Sales Associates	281 E. 216th St, Euclid, Ohio	RE2-7444
Pa	C E Snow Co	919 E. Phil-ellena, Philadelphia, Pa	LI8-8043
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
SC	Scientific Sales Engineering Co	2831 Main St, Winston-Salem, NC	TR3-2475
Tenn	Scientific Sales Engineering Co	3519 Gesman Pl, Huntsville, Ala	JE9-5552
Tenn	Scientific Sales Engineering Co	2831 Main St, Winston Salem, NC	TR3-2475
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass	CR6-5100
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Wash	Hawthorne Electronics	112 Adm Bldg, Boeing Field, Seattle	PA5-1460
Wisc	Ridgway Associates Inc	6100 W. North Ave, Chicago, Ill	TU9-5715
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Can	CE4-4686
Foreign	Sylvan Ginsbury Ltd	8 W. 40th St, New York, NY	LO4-7585

TELREX INC — **Asbury Park, NJ** — **PR5-7252**

Fla	Ray Farwell	370 N. E. 147 Terr, N. Miami	
Ill	Karet Margolin Inc	1803 Belle Plaine, Chicago	
Ind	Karet Margolin Inc	1803 Belle Plaine, Chicago, Ill	
Me	Tim Coakley Sales	148 Needham St, Newton Highlands, Mass	
Mass	Tim Coakley Sales	148 Needham St, Newton Highlands	
NH	Tim Coakley Sales	148 Needham St, Newton Highlands, Mass	
Wisc	Karet Margolin	1803 Belle Plaine, Chicago, Ill	

TELVISION LABS INC — **333 Mill St, Wauconda, Ill** — **JA6-2511**

Cal	Bert Barron Co	15166 Ventura Blvd, Sherman Oaks, Cal	ST4-7800

TEMCO ELECTRONICS DIV TEMCO AIRCRAFT CORP — **P.O.Box 6191, Dallas 22, Tex** — **BR6-7111**

DC	Barnett Chaskin	1625 Eye St, N.W., Washington 6, DC	ME8-3115
Ohio	John J Andrews	525 3rd National Bldg, Dayton, Ohio	BA4-6061

TEMPEL STEEL CO — **1939 Bryn Mawr Ave, Chicago 26, Ill** — **AR1-8100**

Cal	Hugh C Aikin	304 Aldenville, Ave, Covina, Cal	ED2-4693

TEMPERATURE ENGINEERING CORP — **US 130, Riverton, NJ** — **TA9-3880**

Ariz	Carl Hermann Assoc	551 E. Walnut St, Pasadena, Cal	MU1-5111
Cal	Carl Hermann Assoc	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Conn	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Me	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Mass	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Nev	Carl Hermann Assoc	551 E. Walnut St, Pasadena, Cal	MU1-5111
NH	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
NJ	Rolland Jenkins	Stirling, NJ	MI7-1500
NM	Carl Hermann Assoc	Santa Fe, NM	YU2-2881
NY	Rolland Jenkins	Stirling, NJ	MI7-1500
Ore	Carl Hermann Assoc	P.O. Box 1179, Palo Alto, Cal	DA6-6033
RI	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Utah	Carl Hermann Assoc	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Vt	Thermo-Tech Sales	69 Sherman Rd, Chestnut Hill, Mass	HO9-0351
Wash	Carl Hermann Assoc	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Foreign	Ad Auriema Inc	89 Broad St, New York 4, NY	BO9-7750

TEMPLET INDUSTRIES — **701 Atkins Ave, Brooklyn, NY** — **BR2-7300**

TEMPO INSTRUMENT INC — **Commercial St, Hicksville, NY** — **OY1-2280**

Ala	Specialized Electronics Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Cal	Western Aircraft Supply Co	815 Moraga Dr, Los Angeles 49, Cal	GR6-1331
Cal	Western Aircraft Supply Co	367 Addison St, Palo Alto, Cal	DA2-1684
Colo	Western Aircraft Supply Co	2755 S. Zurich Ct, Denver 19, Colo	WE5-8941
Fla	Specialized Electronics Corp	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ill	Controlcraft	6835 W. Higgins Ave, Chicago 31, Ill	NE1-3400
Kan	Associated Air Services	315 E. Harry, Wichita, Kan	AM7-3990
Md	Stemler Associates Co	511 N. Charles St, Baltimore 1, Md	PL2-3211
Mass	K C Stevens & Co	235 Bedford St, Lexington 73, Mass	VO2-1812
Mo	Associated Air Services	P.O. Box 5, St. Ann, Mo	HA8-1940
NY	I A Hotze Co	112 Dewitt St, Syracuse, NY	GR9-6641
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
Ohio	Clare Electronics	24431 Oakhill Dr, Cleveland 17, Ohio	IV1-5364
Tex	Associated Air Services	137 Walnut Hill Village, Dallas, Tex	FL2-2083
Wash	Western Aircraft Supply Co	6518 48th Ave, N.E., Seattle 15, Wash	LA3-5662
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Canada	UN6-7367

TENATRONICS LTD — **1011 Power Ave, Cleveland 14, Ohio** — **SU1-7136**

Cal	Featherstone & Salisbury Co	1355 Market St, San Francisco 3, Cal	KL2-2311
Colo	A J Nelson Co	710 E. Louisiana St, Denver 10, Colo	PE3-5528
Fla	Cartwright & Bean	4525 S. Lois Ave, Tampa, Fla	62-0111
Ga	Cartwright & Bean	3223 Cain's Hill Pl, N.W., Atlanta 5, Ga	CE7-2273
Ill	Langhaus-Levy Associates	5317 Cottage Grove, Chicago, Ill	DO3-5344
La	Cartwright & Bean	821 Penntalba St, New Orleans, La	AU2264
Mass	Lawrence B Cole	21 Radcliffe Ave, Weston 93, Mass	CE5-3197
Minn	Clark Gibb	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Mo	W E Fry & Co., Inc	406 W. 34th St, Kansas City 11, Mo	JE1-5236
NJ	S W Simperkoff	58 Hudson St, Hoboken, NJ	OL6-5211
NY	Irv Brown Co	1500 Carroll St, Brooklyn 13, NY	HY3-1379
NC	Cartwright & Bean	625 Harwyn Dr, Charlotte, NC	FR6-8648
Ohio	C L Pugh	Box 5827, Columbus 21, Ohio	HE8-4855
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Berthold Sales Co	4411 Maple Ave, Dallas, Tex	LA6-8329

TEN BOSCH INC., M — **80 Wheeler Ave, Placeantville, NY**

TENCO ELECTRONICS INC — **811 Boylston St, Boston, Mass** — **KE6-4700**

NY	Gerard Associates	39 Oxford Rd, Rockville Centre, NY	RO4-7231

TENLO RESEARCH CORP — **9424 Lyndale Ave, S., Minnpls 20, Minn** — **TU1-5891**

Iowa	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Minn	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443
Wisc	Engineering Products Associates	1821 University Ave, St. Paul 4, Minn	MI6-3443

TENNALAB — **Quincy, Ill**

Cal	Dave Muir	612 E. Colman St, Altadena, Cal	SY7-0153
Ill	Royal J Higgins Co	10105 S. Western Ave, Chicago 43, Ill	BE3-7388
NJ	Adolph Schwartz	15 Exchange Pl, Jersey City 2, NJ	DE3-2424

TENNEY ENGINEERING INC — **1090 Springfield Rd, Union, NJ** — **MU6-7870**

Ala	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Alaska	The Thorson Co	1767 15 Ave, S., Seattle, Wash	EA5-5000
Ariz	The Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Ark	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Cal	The Thorson Co	7361 Melrose Ave, Los Angeles 46, Cal	WE4-1191
Cal	The Thorson Co	2443 Ash St, Palo Alto, Cal	DA1-2414
Cal	The Thorson Co	444 Olive St, San Diego, Cal	CY8-8385
Colo	Alta Engineering	2950 S. Fox St, Englewood, Colo	SU9-1861
Conn	Test Systems Inc	404 Main St, Wakefield, Mass	CR6-5566
Fla	Specialized Electronics	711 Magnolia Ave, Orlando, Fla	GA4-0433
Ga	Specialized Electronics	P.O. Box 871, Aiken, SC	MI9-7100
Idaho	Alta Engineering Co	2950 S. Fox St, Englewood, Colo	SU9-1861
La	Wallace-Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Me	Test Systems	404 Main St, Wakefield, Mass	CR6-5566
Mass	Test Systems	404 Main St, Wakefield, Mass	CR6-5566
Mich	Tower Engineering Co	18450 Livernois Ave, Detroit 21, Mich	UN2-5370
Miss	Specialized Electronics Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Mo	Leemark Associates	2001 Big Bend Blvd, St. Louis, Mo	MI7-1470
Mo	Leemark Associates	4021 W. 86 St, Kansas City, Mo	NI2-3313
Nev	The Thorson Co	7361 Melrose Ave, Los Angeles, Cal	WE4-1191
NH	Test Systems	404 Main St, Wakefield, Mass	CR6-5566
NM	Alta Engineering Co	2950 S. Fox St, Englewood, Colo	SU9-1861
NC	Specialized Electronics	P.O. Box 871, Aiken, SC	MI9-7100
Ohio	King Instrument Co	5771 Ridge Rd, Cleveland 29, Ohio	
Ore	The Thorson Co	1767 15th Ave, S., Seattle 44, Wash	EA5-5000
RI	Test Systems	404 Main St, Wakefield, Mass	CR6-5566
SC	Specialized Electronics Corp	P.O. Box 871, Aiken, SC	MI9-7100
Tenn	Specialized Electronics Corp	529 N. 18th St, Birmingham, Ala	FA4-1615
Tex	Wallace Gluck Co	2679 Freewood Dr, Dallas, Tex	FL7-7080
Utah	Alta Engineering Co	770 S. 2nd W., Salt Lake City, Utah	EL5-9093
Vt	Test Systems	404 Main St, Wakefield, Mass	CR6-5566
Wash	The Thorson Co	1767 15 Ave, S., Seattle 44, Wash	EA5-5000
Wyo	Alta Engineering Co	2950 S. Fox St, Englewood, Colo	SU9-1861
Foreign	M Brociner	319 E. 50th St, New York, NY	EL5-6929

TENSITRON INC — **Harvard, Mass** — **GL6-3511**

TENSOLITE INSULATED WIRE CO., INC — **W. Main St, Tarrytown, NY** — **ME1-2300**

Ariz	Marshall Co G S	2030 E. Broadway, Tucson, Ariz	MA2-4719
Ark	Aymond Co Edward F	4312 Maple Ave, Dallas 19, Tex	LA6-8233
Cal	Marshall Co G S	2065 Huntington Dr, San Marino, Cal	SY5-4304
Cal	Marshall Co G S	3525 Fifth Ave, San Diego, Cal	CY8-8234
Cal	Marshall Co G S	2015 El Camino Real, Redwood City, Cal	EM6-8214
Colo	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Hathaway Electronics Inc G M	P.O. Box 797, Canaan, Conn	TA4-7215
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa	GR7-5010
DC	Massey Associates	111 Center Way, Greenbelt, Md	GR4-2071
Fla	Geartner Co Jack	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Hawaii	Dougherty Enterprises	149 Kainii St, Kailua, Hawaii	

Idaho	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Idaho	Widdekind M K	222 1st Ave, N., Seattle, Wash	AT4-4869
Ill	Engineering Services	4550 Main St, Kansas City, Mo	JE1-7765
Ill	Golten Co Jerry	2750 W.N. Ave, Chicago, Ill	EV4-5959
Ind	Golten Co Jerry	2750 W.N. Ave, Chicago, Ill	EV4-5959
Ind	Sheridan Associates Inc	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
Iowa	Engineering Services	1305 Oakland Gardens, Cedar Rapids,	EM5-6183
Kan	Engineering Services	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Me	Hathaway Electronics Inc G M	238 Main St, Cambridge, Mass	KI7-0380
Md	Massey Associates	111 Center Way, Greenbelt, Md	GR4-2071
Mass	Hathaway Electronics Inc G M	238 Main St, Cambridge, Mass	KI7-0380
Mich	Golten Co Jerry	2750 W.N. Ave, Chicago, Ill	EV4-5959
Mich	Sheridan Associates Inc	6333 York Rd, Cleveland, Ohio	TU4-8060
Minn	Peterson Co Fred	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Mo	Engineering Services	4550 Main St, Kansas City, Mo	JE1-7765
Mont	Widdekind M K	222 1st Ave, Seattle, Wash	AT4-4869
Neb	Engineering Services	1305 Oakland Gardens, Cedar Rapids, Iowa	EM5-6183
Neb	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Nev	Marshall Co G S	2065 Huntington Dr, San Marino, Cal	SY5-4304
NH	Hathaway Electronics Inc G M	238 Main St, Cambridge, Mass	KI7-0380
NJ	Reed & Riddett Co	190 Rivervale Rd, Rivervale, NJ	NO4-6250
NJ	Massey Associates	529 Brookhurst Ave, Narberth, Pa	GR7-5010
NM	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
NY	Reed & Riddett Co	1106 Jericho Tnpk, New Hyde Park, NY	FL4-6719
ND	Peterson Co Fred	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
Okla	Aymond Co Edward F	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Ore	Widdekind M K	222 1st Ave, N., Seattle, Wash	AT4-4869
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa	GR7-5010
Pa	Sheridan Associates	6333 York Rd, Cleveland 30, Ohio	TU4-8060
RI	Hathaway Electronics Inc., GM	P.O. Box 797, Canaan, Conn	TA4-7215
SD	Peterson Co	2431 Hennepin Ave, Minneapolis 5, Minn	FR7-3025
Tex	Aymond Co	4312 Maple Aven, Dallas 19, Tex	LA6-5233
Tex	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Utah	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Vt	Hawthaway Electronics G M	238 Main St, Cambridge, Mass	KI7-0380
Va	Massey Associates	111 Center Way, Greenbelt, Md	GR4-2071
Wash	Widdekind M K	222 1st Ave, North, Seattle, Wash	AT4-4869
W.Va	Sheridan Associates, Inc	Roselawn Center Bldg, Cincinnati, Ohio	ME1-2460
Wisc	E A Dickinson Associates	4117 N. Green Bay Ave, Milwaukee, Wisc	CO4-1080
Wyo	C F L Corp	1871 S. Broadway, Denver 10, Colo	SP7-4381
Foreign	Rizzo Co	Empire State Bldg, New York 1, NY	PE6-0398

TEPRO ELECTRIC CORP ..... 5 St. Paul St, Rochester, NY BA5-0478

Conn	Electrical Mfgrs Service	265 Church St, New Haven 10, Conn	UN5-9104
Fla	Electrical Mfgrs Service	65 E. Church St, Orlando, Fla	GA5-7515
Mass	Electrical Mfgrs Service	265 Church St, New Haven 10, Conn	UN5-9104
NH	Electrical Mfgrs Service	265 Church St, New Haven 10, Conn	UN5-9104
NJ	Electrical Mfgrs Service	18 Yale St, Nutley, NJ	NO7-2541
NY	R W Mitscher Co	Buffalo, NY	WA2517
Ohio	Allen Nace Co	Brecksville, Ohio	JA6-4323

TERADO CO ..... 1059 Raymond Ave, St. Paul 14, Minn MI2-2868

Ala	Murphy & Cota	2110 Peachtree Rd, NW., Atlanta 9, Ga	FR52317
Alaska	Burt C Porter Co	23609 74th Ave, W., Edmonds, Wash	EA3-8330
Ariz	Barstow & Doran Inc	4228 Los Nietos Dr, Los Angeles, Cal	RI9-0438
Ark	Delzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	
Cal	Barstow & Doran Inc	4845 Keniston Dr, Los Angeles, Cal	RI9-0438
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco 3, Cal	
Colo	William J Peyser Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	William B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	WE5-3199
Del	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
DC	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Fla	Jack Gearmer	235 Lincoln Rd, Miami Beach, Fla	CY3-4152
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Hawaii	Barstow & Doran Inc	4228 Los Nietos Dr, Los Angeles, Cal	RI9-0438
Idaho	William J Peyser	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ill	Royal A Stemm	21 E. Van Buren St, Chicago 5, Ill	
Ind	Midwest Sales Co	1516 Parkwood Rd, Lakewood 7, Ohio	WI1-2700
Iowa	William Engelbretson	906 Ottawa, St. Paul 7, Minn	CA2-2338
Kan	Lee F Florence	406 W. 34th St, Kansas City 11, Mo	LO1-7282
Ky	Midwest Sales Co	1516 Parkwood Rd, Lakewood 7, Ohio	WI1-2700
La	Delzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	
Me	William B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	WE5-3199
Md	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Mass	William B Pray Sales	44 Washington St, Wellesley Hills, Mass	WE5-3199
Mich	Midwest Sales Co	1516 Parkwood Rd, Lakewood 7, Ohio	WI1-2700
Minn	William Engelbretson	906 Ottawa Ave, St. Paul 7, Minn	CA2-2338
Miss	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Mo	Lee F Florence	406 W. 34th St, Kansas City 11, Mo	LO1-7282
Mont	William J Peyser	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	Lee F Florence	406 W. 34th St, Kansas City 11, Mo	LO1-7282
Nev	Barstow & Doran Inc	4228 Los Nietos Dr, Los Angeles 27, Cal	RI9-0438
NH	William B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	WE5-3199
NJ	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NM	William J Peyser	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Arthur Hess	62-07 68th Ave, Glendale 27, NY	HY7-7498
NY	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NC	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
ND	William Engelbretson	906 Ottawa Ave, St. Paul 7, Minn	CA2-2338
Ohio	Midwest Sales Co	1516 Parkwood Rd, Lakewood 7, Ohio	WI1-2700
Okla	Delzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	
Ore	Burt C Porter Co	23609 74th Ave, W., Edmonds, Wash	EA3-8330
Pa	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
RI	William B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	WE5-3199
SC	Murphy & Cota	2110 Peachtree Rd, N.W. Atlanta 9, Ga	TR6-3020
SD	William Engelbretson	906 Ottawa Ave, St. Paul 7, Minn	CA2-2338
Tenn	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga	TR6-3020
Tex	Delzell-Maynard	2013 Cedar Springs, Dallas 1, Tex	
Utah	William Peyser	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	William B Pray Sales Co	44 Washington St, Wellesley Hills, Mass	WE5-3199
Va	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330

W. Va	Midwest Sales Co	1516 Parkwood Rd, Lakewood 7, Ohio	WI1-2700
Wisc	Royal A Stemm	21 E. Van Buren St, Chicago 5, Ill	
Wyo	William J Peyser	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	Morhan Exporting Corp	458 Broadway, New York 13, NY	
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto, Ontario, Canada	

TERPENING CO., L H. ..... 16 W. 61st St, New York, NY

TETRAD CO., INC. ..... 62 St. Mary St, Yonkers 2, NY YO3-1474

TEVCO INSULATED WIRE ..... 108 E. Prospect Ave, Burbank, Cal VI9-5574

Alaska	Richard Lepp Co	1565 6th S. Seattle, Wash	MU2-7764
Ark	Antie-Smith Sales	2721 Brookfield, Dallas, Tex	
Cal	Sinai-Johnson Co	845 Jessie St, San Francisco	UN1-6259
Conn	Keene Sales	25 Tremont, Boston, Mass	
Del	Harold Maver Co	Haddonfield, NJ	
DC	Harold Maver Co	Haddonfield, NJ	
Hawaii	Gene Pietv Factors	2030 Home Rule, Honolulu, Hawaii	
Ill	Sam Wilev Co	2060 W. Birchwood, Chicago, Ill	
Iowa	Harry Crummett	210 W. 8th St, Kansas City, Mo	
Kan	Harry Crummett	210 W. 8th St, Kansas City, Mo	
La	Antie-Smith Sales	2721 Brookfield, Dallas, Tex	
Me	Keene Sales	25 Tremont, Boston, Mass	
Mass	Keene Sales	25 Tremont, Boston, Mass	
Mich	Jack Rathburg	4140 Van Duke, Detroit, Mich	
Minn	Forrest Carleen	Mound, Minn	
Mo	Harry C Crummett	210 W. 8th St, Kansas City, Mo	
Mont	Richard Lepp Co	1565 6th Ave, S. Seattle, Wash	MU2-7764
Neb	Harry C Crummett	210 W. 8th St, Kansas City, Mo	
NH	Keene Sales	25 Tremont, Boston, Mass	
NJ	Harold A Maver Co	Haddonfield, NJ	
ND	Forrest Carleen	Mound, Minn	
Ore	Richard Lepp Co	1633 N.W. 21st Ave, Portland, Ore	CA3-9720
SD	Forrest Carleen	Mound, Minn	
Tex	Antie-Smith Sales	2721 Brookfield, Dallas, Tex	
Vt	Keene Sales	25 Tremont, Boston, Mass	
Wash	R Lepp Co	1565 6th Ave. S. Seattle, Wash	MU2-7764
Wisc	Sam Wilev	2060 W. Birchwood, Chicago, Ill	

TEXAS CAPACITOR CO DIV KCK CORP ..... 4310 Langley Rd, Houston 16, Tex HI2-2581

Cal	Brav & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Cal	James S Heaton Co	413 Lathrop St, Redwood City, Cal	EM9-5278
Ill	Hill & Grav Inc	41 1/2 Harrison St, Oak Park, Ill	EU3-0373
Mich	Koehler-Pasmore Co	11833 Hamilton Ave, Detroit 3, Mich	TO8-3322
Mo	Collins-Havercamp Associates	6857 N. Main St, Kansas City 16, Mo	GL3-4497
NJ	Frank Tvlinski	73-63 Bell Blvd, Bayside 64, NY	HO4-8927
NY	Young Associates	907 Monroe Ave, Rochester 20, NY	BR1-2136
Tex	M F Klicpera Co	1201 Castle St, Dallas 8, Tex	RI2-2515

TEXAS CRYSTALS ..... 1000 Crystal Dr, Ft. Myers, Fla WE6-2100

Ala	Dixie Electronics Associates	1021 8th Ave, Nashville, Tenn	
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	
Ark	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex	
Cal	Simonite Lewis Associates	10636 Burbank Blvd, Hollywood, Cal	
Cal	Technical Sales Co	1485 Bayshore, San Francisco, Cal	
Conn	Robert S Reiss Associates	70 Jessie Dr, West Haven, Conn	
Del	Eberle Schaar Co	425 Stratford Rd, Baltimore, Md	
DC	Eberle Schaar Co	425 Stratford Rd, Baltimore, Md	
Fla	Jack Gearmer Co	235 Lincoln Rd, Miami Beach, Fla	
Ga	Dixie Electronics Associates	1021 8th Ave, Nashville, Tenn	
Ill	L A Chambers	5906 W. North Ave, Chicago, Ill	
Ill	Dwight Smith & Associates	391 Lakelawn, Aurora, Ill	
Ind	Kirsch Sales Co	La Fontaine, Ind	
Iowa	Northern States Sales	1400 Park Ave, Minneapolis, Minn	
Ky	Kirsch Sales Co	LaFontaine, Ind	
La	Earl K Moore Co	5864 Louisville St, New Orleans 9, La	
Me	Robt S Reiss Associates	70 Jessie Dr, West Haven, Conn	
Md	Eberle Schaar Co	425 Stratford Rd, Baltimore, Md	
Mass	Robt S Reiss Associates	70 Jessie Dr, West Haven, Conn	
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit, Mich	
Minn	Northern States Sales	1400 Park Ave, Minneapolis, Minn	
Miss	Earl K Moore	5864 Louisville St, New Orleans, La	
NH	Robt S Reiss Associates	70 Jessie Dr, West Haven, Conn	
NM	Verne Linsley Co	2902 W. Villa, Phoenix, Ariz	
NY	Jack Brown Associates	207 Rosedale, Yonkers, NY	
NY	Verter Sales Co	2352 E. 66th, Brooklyn 34, NY	
NC	Dixie Electronics Associates	1021 8th Ave, Nashville, Tenn	
ND	Northern States Sales	1400 Park Ave, Minneapolis, Minn	
Ohio	Edwards Lohse & Co	2123 E. 9th St, Cleveland, Ohio	
Okla	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex	
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburg, Pa	
RI	Robt S Reiss	70 Jessie Dr, West Haven, Conn	
SC	Dixie Electronics Associates	1021 8th Ave, Nashville, Tenn	
SD	Northern States Sales	1400 Park Ave, Minneapolis, Minn	
Tenn	Dixie Electronic	5864 Louisville St, New Orleans, La	
Tex	Jack Yount Co	1431 Pleasant Dr, Dallas, Tex	
Va	Eberle Schaar Co	425 Stratford Rd, Baltimore, Md	
W. Va	F P Yarussi Co		
Wisc	Northern States Sales	1400 Park Ave, Minneapolis, Minn	
Wisc	Dwight Smith & Associates	391 Lakelawn, Aurora, Ill	
W. Va	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh, Pa	
Foreign	Ed Magnus & Associates	188 W. Randolph, Chicago 1, Ill	

TEXAS INSTRUMENTS INCORPORATED, APPARATUS DIV
6000 Lemmon Ave, Dallas 9, Tex FL7-5411

TEXAS INSTRUMENTS INCORPORATED, GEOSCIENCES & INSTRUMENTATION DIV
3609 Buffalo Spdwy, Houston 6, Tex ... JA6-1411

TEXAS INSTRUMENTS INCORPORATED, METALS & CONTROLS DIVISION
34 Forest St, Attleboro, Mass AT1-2800

TEXAS INSTRUMENTS INCORPORATED, SEMICONDUCTOR-COMPONENTS DIV
13500 N. Central Expwy, Dallas, Tex .. AD5-3111

Ala	Texas Instruments Incorporated	Box 761, Huntsville, Ala	JE9-2891
Ariz	Texas Instruments Incorporated	5808 Sundown Dr, Scottsdale, Ariz	WH6-1373
Cal	Texas Instruments Incorporated	9033 Wilshire Blvd, Beverly Hills, Cal	BR2-9091
Cal	Texas Instruments Incorporated	317 Town & Country Vlg, Palo Alto, Cal	DA6-6770
Cal	Texas Instruments Incorporated	326 Broadway, San Diego 12, Cal	BE2-2007
Cal	Texas Instruments Incorporated	2215 N. Broadway, Sana Ana, Cal	KI7-6306
Colo	Texas Instruments Incorporated	655 Broadway, Denver, Colo	AM6-3675
DC	Texas Instruments Incorporated	1925 K St, N.W., Washington 5, DC	FE7-6400
Fla	Texas Instruments Incorporated	618 E. South St, Orlando, Fla	GA2-9894
Ill	Texas Instruments Incorporated	5320 W. Devon Ave, Chicago 46, Ill	RO3-1600
Ind	Texas Instruments Incorporated	1528 Oxford, Ft. Wayne, Ind	HA 4251
Kan	Texas Instruments Incorporated	6405 E. Kellogg St, Wichita 7, Kan	MU4-9281
Ky	Texas Instruments Incorporated	134 Breckenridge Ln, Louisville 7, Ky	TW5-8411
Md	Texas Instruments Incorporated	900 Reisterstown Rd, Pikesville 8, Md	HU4-1366
Mass	Texas Instruments Incorporated	751 Main St, Waltham 54, Mass	TW3-2052
Mich	Texas Instruments Incorporated	18230 W. 7 Mile Rd, Detroit 19, Mich	KE5-8390
Minn	Texas Instruments Incorporated	1821 University Ave, St. Paul 4, Minn	MI6-2755
Mo	Texas Instruments Incorporated	2319 Hampton Ave, St. Louis 10, Mo	MI7-3520
NJ	Texas Instruments Incorporated	1141 E. Jersey St, Elizabeth, NJ	MU2-7951
NJ	Texas Instruments Incorporated	Bway & Cooper, Camden 2, NJ	WO4-4978
NY	Texas Instruments Incorporated	State Tower Bldg, Syracuse 2, NY	GR1-8141
NY	Texas Instruments Incorporated	600 Old Country Rd, Garden City, NY	PI2-1515
Ohio	Texas Instruments Incorporated	11955 Shaker Hgts Blvd, Cleveland, Ohio	SW1-8989
Ohio	Texas Instruments Incorporated	2801 Far Hills Dr, Dayton 19, Ohio	AX8-7334
Pa	Texas Instruments Incorporated	Welsh Rd, Lansdale, Pa	UL5-1761
Tex	Texas Instruments Incorporated	Box 312, Dallas, Tex	AD5-2381
Tex	Texas Instruments Incorporated	9630 Highmeadow, Houston 27, Tex	HO5-0420
Wash	Texas Instruments Incorporated	500 Wall St, Rm. No. 212, Seattle, Wash	MA3-8870
Wisc	Texas Instruments Incorporated	7255 W. Appleton Ave, Milwaukee, Wisc	HO4-8780
Canada	Texas Instruments Incorporated	1364 Islington Ave, N., Rexdale, Ontario	
Foreign	Texas Instruments Incorporated	Dallas Rd, Bedford, England	
Foreign	Texas Instruments Incorporated Edgar G. Knop	ULM/Donau, Seutterweg 7, Germany	

TEXAS RESEARCH ASSOCIATES CORP ..... 1703 Guadalupe St, Austin, Tex GR6-6376

THER ELECTRIC & MACHINE WKS 17 S. Jefferson St, Chicago 6, Ill

THERMADOR ELECTRICAL MFG CO 715 S. Raymond Ave, Alhambra, Cal CU3-8831

Ariz	Frvco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-8071
Cal	DeWitt Ault	2536 Nordell Ave, Castro Valley, Cal	JE8-5097

THERMAL AMERICAN FUSED QUARTZ CO., INC ..... 18-20 Salem St, Dover, NJ FO6-2807

THERMAL WIRE OF AMERICA ..... Keeler's Bay, South Hero, Vt SO241

Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Fla	Stanley K Wallace Associates	P.O. Box 67, Lutz, Fla	
Ill	Arthur J Ewis Co	1607 W. Howard St, Chicago 26, Ill	AM2-2708
Mass	Hazen P Chase Co	Box 47, Holyoke, Mass	JE3-0168
Minn	D A Schultz Co	801 S.E. 8th St, Minneapolis, Minn	FE9-7701
Mo	Fornstal-Young Sales Co	4057 Broadway, Kansas City, Mo	VA1-5330
NJ	Mel Schwartz Co	39-16 Tierney Pl, Fairlawn, NJ	SW7-3435
NJ	H S Bancroft & Co	209 Cooper St, Collingswood, NJ	CO5-5215
NY	A W Schmitz Co	82 St. Paul St, Rochester, NY	HA6-3090
Ohio	Frank E Kahsar	4628 Glenway Ave, Cincinnati 38, Ohio	GR1-9011
Tex	Packard Associates	404 Love Field Air Terminal Bldg, Dallas	FL7-5713

THERMATRON DIV WILLCOX & GIBBS SEWING MACHINE CO ..... 214 W. 39 St, New York 18, NY LO5-1600

Ala	W L Principe	1006 Mort Guarantee Bldg, Atlanta 3, Ga	MU8-2091
Alaska	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Ariz	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Ark	Royal E Fisler Co	1315 Cheshire Ln, St. Louis 19, Mo	WO2-1721
Cal	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Colo	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Fla	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
Ga	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
Hawaii	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Idaho	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Ill	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Ind	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Iowa	M J Foley Co	6402 E. Jefferson Ave, Detroit 9, Mich	LO8-0900
Kan	M J Foley Co	6402 E. Jefferson Ave, Detroit 9, Mich	LO8-0900
Ky	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
La	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
Mich	M J Foley Co	6402 E. Jefferson Ave, Detroit 9, Mich	LO8-0900
Minn	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Miss	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
Mo	Royal E Fisler Co	1315 Cheshire Ln, St. Louis 19	WO2-1721
Mont	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309
Neb	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Nev	Richard A Sperr	1335 S. Main St, L A 15, Cal	RI9-0309

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NM	Richard A Sperr	1335 S. Main St, Los Angeles 15, Cal	RB-0309
NC	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
ND	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Ore	Richard A Sperr	1335 S. Main St, L A 15, Cal	RB-0309
SC	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
SD	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Tenn	W L Principe	1006 Mort Guarantee Bldg, Atlanta, Ga	MU8-2091
Utah	Richard A Sperr	1335 S. Main St, Los Angeles 15, Cal	RB-0309
Wash	Richard A Sperr	1335 S. Main St, Los Angeles 15, Cal	RB-0309
Wisc	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
Wyo	Herman A Jongebloed	431 S. Dearborn St, Chicago 7, Ill	HA7-2825
	THERMAX WIRE CORP	**384 E. 45 St, New York 17, NY**	**MU9-7120**
Ala	Hart Engineering & Sales Co	651-10 St, Atlanta 18, Ga	TR4-5667
Cal	Costello & Co	2740 S. La Cienega Blvd, Los Angeles	UP0-8537
Cal	Costello & Co	535 Middlefield Rd, Palo Alto, Cal	DA1-3745
Colo	Raymond Vinson	Box 8363, University Park Sta, Denver	SU9-2851
Conn	Dom Rosa Co	44 School St, Arlington, Mass	KI9-6880
Del	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, North Miami, Fla	PL1-5556
Ga	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Idaho	Forristal-Young Sales Co	4027 Broadway, Kansas City, Mo	VA1-5336
Idaho	Forristal-Young Sales Co	8147 Delmar, St Louis, Mo	PA5-7701
Ill	Coenco Associates of Chicago Inc	P.O. Box 245, Dundee, Ill	
Ind	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Iowa	Forristal-Young Sales Co	4027 Broadway, Kansas City, Mo	VA1-5336
Iowa	Forristal-Young Sales Co	8147 Delmar, St Louis, Mo	PA5-7701
Kan	Forristal-Young Sales Co	4027 Broadway, Kansas City, Mo	VA1-5336
Kan	Forristal-Young Sales Co	8147 Delmar, St Louis, Mo	PA5-7701
Ky	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
La	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Me	Dom Rosa Co	44 School St, Arlington, Mass	KI7-6880
Md	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Mass	Dom Rosa Co	44 School St, Arlington, Mass	KI7-6880
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis 22, Minn	JU8-2523
Miss	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Mo	Forristal-Young Sales Co	4027 Broadway, Kansas City, Mo	VA1-5336
Mo	Forristal-Young Sales Co	8147 Delmar, St Louis, Mo	PA5-7701
Neb	Forristal-Young Sales Co	4027 Broadway, Kansas City, Mo	VA1-5336
Neb	Forristal-Young Sales Co	8147 Delmar, St Louis, Mo	PA5-7701
Nev	Costello & Co	2740 S. La Cienega Blvd, L A, Cal	UP0-8537
Nev	Costello & Co	535 Middlefield Rd, Palo Alto, Cal	DA1-3745
NH	Dom Rosa Co	44 School St, Arlington, Mass	KI7-6880
NJ	Barrett Border	121 Oak St, Teneafly, NJ	LO6-2354
NM	Raymond Vinson	Box 8363, Univ Pk Sta, Denver 10, Colo	SU9-2851
NC	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Ohio	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Okla	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Pa	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
RI	Dom Rosa Co	44 School St, Arlington, Mass	KI7-6880
SC	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Tenn	Hart Engineering & Sales Co	651 10 St, Atlanta 18, Ga	TR4-5667
Tex	George Weinreich & Associates	1210 Old Gate Ln, Dallas 18, Tex	DA1-2800
Utah	Raymond Vinson	Box 8363, Univ Pk Sta, Denver 10, Colo	SU9-2851
Vt	Dom Rosa Co	44 School St, Arlington, Mass	KI7-6880
Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
W.Va	Samuel A Jeffries Inc	105 Forrest Ave, Narberth, Pa	MO4-8500
Wisc	Coenco Associates of Chicago Inc	P.O. Box 245, Dundee, Ill	
Wyo	Raymond Vinson	Box 8363, Univ Pk, Denver 10, Colo	SU9-2851
Canada	William M Hummel	Box 130, Port Credit, Ontario, Canada	
	THERMIONIC PRODUCTS CO	**Interboven Ave, Plainfield, NJ**	**PL4-7616**
Conn	Budd Cato Associates	Brielle, NJ	CA3-3842
Mass	Budd Cato Associates	Brielle, NJ	CA3-3842
NJ	Budd Cato Associates	Brielle, NJ	CA3-3842
	THERMO ELECTRIC CO	**Rochelle Park P.O., Saddle Brook, NJ**	**HU9-5800**
Ala	Frank A Thomas Co	1805 Liberty St, Mobile, Ala	GR1-2752
Cal	S R Brown Co	14544 Archwood St, Van Nuys, Cal	ST6-0105
Cal	California Instrument Co	351 10th St, San Francisco 3, Cal	UN3-0350
Colo	James B Drummond Co	1060 S. Cook St, Denver 9, Colo	SP7-6748
DC	Arobone & Cline	Washington, DC	JU8-2425
Ill	Thermo Electric Co., Inc	5780 N. Elston Ave, Chicago 46, Ill	NE1-7332
Ky	Thermo Electric Co., Inc	Louisville, Ky	WX8875
Mass	Thermo Electric Co., Inc	P.O. Box 125, Attleboro, Mass	AT1-3368
Mich	H H Barnum Co	12201 Merriman Rd, Livonia, Mich	KE1-7504
Mo	E B Miller Co	10117 Manchester Rd, St. Louis 22, Mo	YO6-8250
NY	Thermo Electric Co., Inc	New York, NY	LO4-6290
NC	MacGuire Instrument Co	3214 Highview Rd, Charlotte 9, NC	EM6-3454
Ohio	Thermo Electric Co., Inc	7719 Reading Rd, Cincinnati 37, Ohio	VA1-8875
Ohio	D F Barringer	4331 W. 229th St, Cleveland 26, Ohio	RE4-3420
Ohio	Thermo Electric Co., Inc	Columbus, Ohio	EN8875
Pa	Arobone & Cline	Wilford Bldg, 33rd & Arch St, Phila 4, Pa	EV2-6520
Pa	G L Clapper	7019 Meade St, Pittsburgh 8, Pa	CH1-1200
Tex	Wright Industrial Products	5738 N. Central Expwy, Dallas 6, Tex	TA4-2571
Tex	Wright Industrial Products	1803 Calumet, Houston 4, Tex	JA3-5651
Wash	G O Carson Co	1910 E. Prospect, Seattle 2, Wash	EA4-8347
W. Va	Thermo Electric Co., Inc	Enterprise 0875, Charleston, W. Va	
Canada	Thermo Electric Ltd	P.O. Box 10, Brampton, Ontario, Canada	GL1-0813
Canada	Chemical & Industrial Sales Ltd	8035-102nd St, Edmonton, Alberta, Canada	392935
Canada	Aeromotive Engineering Ltd	147 Hymus Blvd, Montreal, Quebec, Canada	ME1-4396
Canada	Northern Col Proc Equip Ltd	1234 Marine Dr, N. Vancouver, B C	YU7-5711
	THERMO ELECTRIC MFG CO	**465 Huff St, Dubuque, Iowa**	**3-3501**
	THERMO NUCLEAR WIRE INDUSTRIES	**135 Grand St, New York, NY**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
	THERMOCAL DIV JAMIESON LABS INC	**7900 Hazbell Ave, Van Nuys, Cal**	**EX3-9841**
Ala	Lynd A Walkling	P. O. Box 3045, Atlanta 17, Ga	DR3-8346
Alaska	Don H Burcham Co	422 1st Ave, W., Seattle 99, Wash	
Ariz	Sheffer-Kahn Co	P. O. Box 1587, Phoenix, Ariz	AL8-7893
Ark	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Cal	Joe Davidson & Associates	P. O. Box 108, South Gate, Cal	NE6-2245
Colo	Brown Tech & Associated Sales	130 S. Yarrow St, Lakewood, Colo	BE7-3467
Conn	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	VO2-7224
Del	F D Marcy Associates	1180 Raymond Blvd, Newark 2, NJ	MA2-2365
DC	F D Marcy Associates	1180 Raymond Blvd, Newark 2, NJ	
Fla	Jack Gardner Co	235 Lincoln Rd, Miami, Fla	JE1-0200
Ga	Lynd A Walkling	P. O. Box 3045, Atlanta 17, Ga	
Idaho	Don H Burcham Co	422 1st Ave, W., Seattle 99, Wash	
Ill	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Ill	D Dolin Sales	3553 W. Peterson Ave, Chicago 45, Ill	JU8-3738
Ind	Custom Engineering	2975 Far Hills Ave, Dayton, Ohio	AX8-5246
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Kan	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Me	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	
Md	F D Marcy Associates	1180 Raymond Blvd, Newark 2, NJ	
Mass	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	
Mich	Custom Engineering	2975 Far HillsAve, Dayton, Ohio	
Minn	D Dolin Sales	3553 W. Peterson Ave, Chicago 45, Ill	
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Mont	Don H Burcham Co	422 1st Ave, W., Seattle 99, Wash	
Nev	Joe Davidson & Associates	P. O. Box 108, South Gate, Cal	NE6-2245
NJ	Paul D Aaron	Profl Bldg, Port Washington, NY	PO7-8480
NM	Sheffer-Kahn Co	P. O. Box 1587, Phoenix, Ariz	AL8-7893
NY	Paul D Aaron	Profl Bldg, Port Washington, NY	PO7-8480
NY	Leo Jacobson	1366 Kenmore Ave, Buffalo, NY	DE0442
NC	Lynd A Walkling	P. O. Box 3045, Atlanta 17, Ga	
Ohio	Custom Engineering	2975 Far Hills Ave, Dayton, Ohio	
Okla	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Ore	Don H Burcham Co	422 1st Ave, W., Seattle 99, Wash	
Ore	Don H Burcham Co	P. O. Box 4098, Portland, Ore	
Pa	F D Marcy Associates	1180 Raymond Blvd, Newark 2, NJ	
RI	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	
SC	Lynd A Walkling	P. O. Box 3045, Atlanta 17, Ga	
Tenn	Lynd A Walkling	P. O. Box 3045, Atlanta 17, Ga	
Tex	Southern Industrial Electronics	P. O. Box 9814, Dallas, Tex	
Utah	Brown Tech & Associates Sales	130 S. Yarrow, Lakewood 15, Colo	
Vt	Wayne B Palioca Inc	1787 Mass Ave, Lexington 73, Mass	
Va	F D Marcy Associates	1180 Raymond Blvd, Newark 2, NJ	
Wash	Don H Burcham Co	422 1st Ave, W., Seattle 99, Wash	
Wisc	D Dolin Sales	5219 N. Hopkins St, Milwaukee 9, Wisc	
Wyo	Brown Tech & Associated Sales	130 S. Yarrow, Lakewood 15, Colo	
Foreign	Ad Auriema	85 Broad St, New York, NY	
	THERM-O-LAB CORP	**6940 Farmdale Ave, N.Hollywood, Cal**	**TR7-7905**
	THERMOSEN INC	**375 Fairfield Ave, Stamford, Conn**	**DA5-1324**
	THERMOVOLT INSTRUMENTS LTD	**70 Advance Rd, Toronto 18, Ont, Canada**	**BE1-7134**
	THETA INSTRUMENT CORP	**520 Victor St, Saddle Brook, NJ**	**HU7-3508**
Ala	Murphy & Cota	250 Governors Dr, Huntsville, Ala	JE6-9121
Ark	Ecklund Electronic Sales	P. O. Box 12151, Ft. Worth, Tex	PE8-9773
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal	SY9-0445
Cal	Luscombe Engineering Co	130 N. 13 St, San Mateo, Cal	DI2-7057
Conn	Ress Engineering Sales	259 Walnut, Newtonville, Mass	LA7-4932
Del	Biechler Associates	P. O. Box 38, Millersville, Pa	TR2-7632
DC	Biechler Associates	P. O. Box 38, Millersville, Pa	TR2-7632
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Iowa	Eder Associates	2603 N. Downer, Milwaukee, Wisc	WO4-3450
La	Ecklund Electronic Sales	P. O. Box 12151, Ft. Worth, Tex	PE8-9773
Me	Ress Engineering Sales	259 Walnut, Newtonville, Mass	LA7-4932
Md	Biechler Associates	P. O. Box 38, Millersville, Pa	TR2-7632
Mass	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Mich	Eder Associates	2603 N. Downer, Milwaukee, Wisc	WO4-3450
Minn	Eder Associates	2603 N. Downer, Milwaukee, Wisc	WO4-3450
NH	Ress Engineering Sales	259 Walnut, Newtonville, Mass	LA7-4932
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NJ	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY	BA3-8000
NC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Okla	Ecklund Electronic Sales	Box 12151, Ft. Worth, Tex	PE8-9773
Ore	Myron R Smith & Co	Box 246, Kirkland, Wash	GL4-9400
Pa	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
Pa	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
RI	Ress Engineering Sales	259 Walnut St, Newtonville, Mass	LA7-4932
SC	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tenn	Murphy & Cota	1106 Burke St, Winston-Salem, NC	PA4-0750
Tex	Ecklund Electronic Sales	Box 12151, Ft. Worth, Tex	PE8-9773
Va	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
Wash	Myron R Smith & Co	Box 246, Kirkland, Wash	GL4-9400
Wisc	Eder Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Foreign	Industrial Imports Ltd	Box 1271, Central PO, Tokyo, Japan	
Canada	Electro Design	736 Notre Dame St, W., Montreal, Canada	UN6-7367
	THOMAS & BETTS CO., INC., THE	**36 Butler St, Elizabeth 1, NJ**	**EL4-4321**
Ala	William M Murphy	P.O. Box 5992, Birmingham, Ala	
Ariz	Robert A Chadwick	10722 Puebla Dr, Lakesa, Cal	
Ark	Edward F Kramer	3995 Michael Rd, Memphis 16, Tenn	
Cal	The Thomas & Betts Co	145 S. Anderson St, Los Angeles 54, Cal	AN8-3191
Cal	The Thomas & Betts Co	645 Phelps St, San Francisco 24, Cal	VA6-5300
Conn	Robert E Nehring	855 Naugatuck Rd, Milford	
DC	Sam S Jett Jr	3463 Cooper Rd, Richmond 25, Va	
Fla	Billy R Conner	P.O. Box 10176, Tampa 9	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ga	The Thomas & Betts Co	734 Candler Bldg, Atlanta 3, Ga	JA4-1936
Hawaii	Alfred E Linzer Co	1907 Kadiocani Blvd, Honolulu 14	
Ill	The Thomas & Betts Co	444 N. Lake Shore Dr, Chicago 11, Ill	SU7-5100
Ind	Stephen H Lioos	1906 N. Euclid Ave, Indpls, Ind	
Iowa	James J Boyle	406 W. 34th St, Kansas City 11, Mo	
Kan	Robert J Wimbish	3816 N. W. 16th St, Oklahoma City, Okla	
Ky	John Klein	824 Clover View Ave, Cincinnati 31, Ohio	
La	Warren J Huber	P.O. Box 8303, New Orleans 22, La	
Me	Lincoln B Olmstead	24 Ardmore Rd, Framingham, Mass	
Md	Joseph R Scholl	1312 Highland Dr, Baltimore 12, Md	
Mass	The Thomas & Betts Co	10 High St, Boston 10, Mass	LI2-7934
Mich	Turrell & Co., Inc	8414 W. McNichols Rd, Detroit 21, Mich	UN4-5077
Minn	Richard W Hostetler	3850 W. Broadway, Minneapolis 22, Minn	
Miss	Warren J Huber	P.O. Box 8303, New Orleans 22, La	
Mo	James J Boyle	406 W. 34th St, Kansas City 11, Mo	
Neb	Ed Ganozewski	810 N. 46th St, Omaha, Neb	
NY	The Thomas & Betts Co	15 Park Pl, New York City, NY	BA7-8645
NY	J David Parkinson	RD 1 Fenner Rd, Cazenova, NY	HA2-7861
NC	Thomas & Betts Co	1734 Candler Bldg, Atlanta 3, Ga	
Ohio	Thomas & Betts Co	1900 Euclid Ave, Cleveland 15, Ohio	MA1-7595
Okla	Robert J Wimbish	3816 N. W, 16th St, Oklahoma City, Okla	
Ore	David King	1220 S. W. Stark St, Portland, Ore	CA8-1990
Pa	The Thomas & Betts Co	1015 Chestnut St, Philadelphia, Pa	WA2-4236
Pa	Staniev A Trezise	Wyndwood Rd, Bradfordwoods, Pa	
SC	The Thomas & Betts Co	1734 Candler Bldg, Atlanta 3, Ga	
Tenn	Edward F Kramer	3995 Michael Rd, Memphis 16, Tenn	
Tex	John Humber	P.O. Box 53, Bellaire 101, Tex	
Vt	Rav M Courter	191 Westford Circle, Springfield 9, Mass	
Va	Sam S Jett Jr	3463 Cooper Rd, Richmond 25, Va	
Wash	Frank A Strohecker	2207 First Ave, S., Seattle 4, Wash	
W.Va	Paul J Meisel	415 Michigan St, Huntington, W.Va	
Wisc	Jack A Byer Walter	2908 15th Ave, S. Milwaukee, Wisc	
Foreign	Thomas & Betts Ltd	751 Victoria So,Montreal 1, Quebec	VI9-7737
	THOMAS ELECTRONICS INC	**118 Ninth St, Passaic, NJ**	**GR3-4040**
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver, Colo	PE3-3701
Ill	Ridgway Engineering Inc	6100 W. North Ave, Chicago 39, Ill	TU9-5715
Mass	Instruments Associates	1315 Massachusetts Ave, Arlington 74	MI8-2922
Tex	Daneniller-Smith	2712 W. Mockingbird Ln, Dallas, Tex	FL7-8249
	THOMAS INSTRUMENT CO	**Three Rivers, Phoenix, NY**	**OW5-5134**
Conn	William F Judge Co	Marshfield Hills, Mass	TE4-4216
Me	William F Judge Co	Marshfield Hills, Mass	TE4-4216
Mass	William F Judge Co	Marshfield Hills, Mass	TE4-4216
NH	William F Judge Co	Marshfield Hills, Mass	TE4-4216
RI	William F Judge Co	Marshfield Hills, Mass	TE4-4216
Vt	William F Judge Co	Marshfield Hills, Mass	TE4-4216
	THOMAS MOLD & DIE CO	**Wooster, Ohio**	**HO2-5911**
Cal	Andrew California Corp	941 E. Maryland Ave, Claremont, Cal	NA6-3505
Ill	Andrew Corp	10500 W. 53 St, Orland Park, Ill	FI9-3300
NJ	Andrew Corp	P.O. Box 416, Ridgewood, NJ	GI5-2500
Canada	Andrew Antena Corp Ltd	606 Beech St, Whitby, Ontario, Canada	MO8-3348
	THOMAS & SKINNER INC	**1120 E. 23rd St, Indianapolis, Ind**	**WA3-2501**
Cal	Yarbrough Sales Co	192 E. Glenarm St, Pasadena, Cal	MU2-3331
Fla	George F Bohman	1239 Newcastle Dr, Orlando, Fla	GA4-2076
Ill	Thomas & Skinner Inc	64 Old Orchard, Skokie, Ill	JU3-1666
NY	Robert Fulton	36 Fremont Rd, N. Tarrytown, NY	ME1-4994
NY	Wally B Swank Inc	2310 Bellevue Ave, Syracuse 4, NY	GR8-2141
NY	Kaelber & Mack	1 Park Ave, Manhasset, NY	MA7-6620
NC	W E France Associates	P.O. Box 1681, Hendersonville, NC	OX3-4202
Ohio	Allen Nace Co	7601 Parkview Rd, Brecksville, Ohio	JA6-4323
Pa	D G Quinlan Co	National Bank Bldg, Ambler, Pa	MI6-7250
Tex	John A Green Co	7118 Envoy Ct. Dallas 7. Tex	FL1-9947
Wash	National Co., Inc	70 Marion St, Seattle 4, Wash	MU2-2450
	THOMAS & SONS INC., WILLIAM	**Slocum Ave, Ridgefield, NJ**	**WH3-5500**
	THOMPSON-BREMER & CO	**228 N. LaSalle St, Chicago 1, Ill**	**FR2-6858**
Cal	R G Dudek	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
Ga	J J McIntosh	1891 Edinburgh Terr, N.E., Atlanta, Ga	DR7-2971
Ill	Barth & Rennolds	7117 W. Addison St, Chicago 34, Ill	KI5-7973
Ill	Thom Lundeen	1907 7th Ave, Moline, Ill	MO2-4418
Ind	D G Teeling Co	222 W. 73rd St, Indpls 20, Ind	CL1-9571
Ky	Industrial Products Sales Inc	Louisville 16, Ky	TO1-2626
Mass	Thomas J Hatzis & Sons	Statler Office Bldg, Boston 16, Mass	HA6-2332
Mich	Sam T Keller Co	1212 Fisher Bldg, Detroit 2, Mich	TR5-7800
Mo	Components & Equipment Co	Webster Groves 19, Mo	WO2-2799
NY	C L Martin Sales Corp	103 Pickwick Rd, Syracuse, NY	GI6-2540
NY	J Ramsey Reege Inc	71 Murray, New York 1, NY	WO2-4059
NY	Howard N Clark	830 Linden, Rochester 10, NY	LO6-0371
Ohio	Scott & Steffen Inc	1836 Euclid, Cleveland 15, Ohio	TO1-2626
Ohio	D E Button Co	318 Beverly Pl, Dayton 19, Ohio	AX8-1503
Ore	Oregon Industrial Factors	6840 S. W. Macadam, Portland 1, Ore	CH4-4040
Pa	W Henry Cordray Sales Co	18 W. Chelton, Philadelphia 44, Pa	VI8-0447
Tex	C W McNeil Inc	801 Century Bldg, Houston 2, Tex	CA8-7595
Foreign	American Machine & Fdry Co	261 Madison Ave, New York 16, NY	
	THOMPSON FIBER GLASS CO., H I	**1733 Cordova St, Los Angeles 7, Cal**	**RE3-9161**
Ala	Burnie L Weddle	3219 W. 29th St, Indianapolis, Ind	WA5-8685
Ark	Marshall Morris	2850-A W. Berry, Ft. Worth, Tex	WA4-8679
Conn	Tom Kimberly	38 Crescent Circle, Cheshire, Conn	BR2-6544
Del	Fred Muhlenfeld	6659 Loch Hill Rd, Baltimore, Md	VA5-3135

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
DC	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Fla	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Ga	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Ill	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Ind	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Iowa	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Kan	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	
Ky	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
La	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Me	Tom Kimberly ..... 38 Crescent Circle, Cheshire, Conn	BR2-6544
Md	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Mass	Tom Kimberly ..... 38 Crescent Circle, Cheshire, Conn	BR2-6544
Mich	Burnie Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Minn	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Miss	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
Mo	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
Neb	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
NH	Tom Kimberly ..... 38 Crescent Circle, Cheshire, Conn	BR2-6544
NJ	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
NM	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
NY	Tom Kimberly ..... 38 Crescent Circle, Cheshire, Conn	BR2-6544
NC	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Ohio	Burnie Weddle ..... 3219 W. 29th St, Indianapolis, Ind	WA5-8685
Ohio	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Okla	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
Pa	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
RI	Tom Kimberly ..... 38 Crescent Circle, Cheshire, Conn	BR2-6544
SC	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Tenn	Burnie L Weddle ..... 3219 W. 29th St, Indpls, Ind	WA5-8685
Tex	Marshall Morris ..... 2850-A W. Berry, Ft. Worth, Tex	WA4-8679
Vt	Tom Kimberley ..... 38 Cresent Circle, Cheshire, Conn	BR2-6544
Va	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
W.Va	Fred Muhlenfeld ..... 6659 Loch Hill Rd, Baltimore, Md	VA5-3135
Wisc	Burnie Weddle ..... 3219 W. 29th St, Indianapolis, Ind	WA5-8685
Foreign	British Refrasil Co ..... Stillington Wks, Durham, England	

THOMPSON-RAMO-WOOLDRIDGE PRODUCTS CO ..... 202 N. Canon Dr, Beverly Hills, Cal BR2-8892

THOMSON MFG CO., JUDSON L. .... 22 Sawyer Rd, Waltham 54, Mass TW3-0857

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Dolliver & Brother ..... 619 Mission St, San Francisco, Cal	GA1-1426
Cal	Dolliver & Brother ..... 5108 E. Washington Blvd, Los Angeles	AN6-3445
Fla	Judson L Thomson Mfg Co ..... P.O. Box 365, Dania, Fla	WA3-4218
Ill	Judson L Thomson Mfg Co ..... 5545 Northwest Hwy, Chicago, Ill	SP4-4100
Ind	Judson L Thomson Mfg Co ..... 203 E. 106 St, Indianapolis, Ind	VI6-5328
Mich	Judson L Thomson Mfg Co ..... 12131-35 Grand River Ave, Detroit, Mich	WE3-4220
Mo	Shoe Factory Supplies Co ..... 1200 S. Grand Blvd, St. Louis, Mo	PR2-4655
NY	Judson L Thomson Mfg Co ..... 11-20 46th Rd, Long Island City, NY	
Ohio	Judson L Thomson Mfg Co ..... 57Aurora Rd, Northfield, Ohio	IM7-7573
Pa	Judson L Thomson Mfg Co ..... 22 N. Manoa Rd, Philadelphia, Pa	HI6-8102
SC	Judson L Thomson Mfg Co ..... 719 Eden Terr, Rock Hill, SC	RO7885
Tex	Judson L Thomson Mfg Co ..... P.O. Box 364, Arlington, Tex	CR4-5142
Canada	Thomson Rivet Co Ltd ..... 4 St, Victoria Ave, Gananoque, Ontario	GA999

THOR CERAMICS INC ..... 225 Belleville Ave, Bloomfield, NJ PI3-7797

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Heim & Scheer ..... 11168 Santa Monica Blvd, Los Angeles	GR7-3208
Mo	Zak-Cowen & Associates Inc ..... 7730 Carondelet, St. Louis 5, Mo	PA7-8559

THOR TRANSFORMER & ELECS DIV ..... 752 San Antonio Rd, Palo Alto, Cal..... DA1-0491

THORDARSON-MEISSNER ..... 7th & Bellmont, Mt. Carmel, Ill..... MT1200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Maitland K Smith Co ..... 1710 C Valley Ave, Birmingham	TR9-7197
Alaska	M F Widdekind ..... 222 1st Ave, N. Seattle, Wash	LI2-4330
Ariz	Wedge Weber Co ..... 1217 Venice Blvd, Los Angeles, Cal	DU7-2111
Ark	The Texport Co ..... 2147 Farrington, Dallas 7, Tex	RI7-6886
Cal	Wedge Weber Co ..... 1217 Venice Blvd, Los Angeles, Cal	DU7-2111
Cal	William J Purdy Co ..... 312 7th St, San Francisco, Cal	UN3-3300
Colo	Hyde Electronic Sales ..... 888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
Del	Art Cerf Co ..... 744 Broad St, Newark, NJ	MI3-9118
DC	Art Cerf Co ..... 744 Broad St, Newark, NJ	MI3-9118
Fla	Maitland K Smith ..... 322 Riverside Dr, Ormond Beach, Fla	OR7-2298
Ga	Maitland K Smith ..... 208 14th St, N.W., Atlanta, Ga	TR5-8031
Hawaii	William J Purdy ..... 312 7th St, San Francisco, Cal	UN3-3300
Idaho	Hyde Electronic Sales ..... 888 S. Lipan St, Denver, Colo	WE6-3456
Ill	A H Brunina Co ..... 1758 Lawrence Ave, Chicago	ED4-0989
Ind	McNabb Schroeder & Loomis ..... 820 E. 64th St, Indpls, Ind	CL5-6770
Iowa	The Heimann Co ..... 1711 Hawthorne, Minnpls, Minn	FE2-5457
Kan	Clemenson Larrabee ..... 436 E. 79th St, Kansas City, Mo	JA3-3005
La	The Texport Co ..... 2147 Farrington, Dallas 7, Tex	RI7-6886
Me	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
Md	Art Cerf Co ..... 744 Broad St, Newark, NJ	MI3-9118
Mass	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
Mich	Burcaw-Cowan ..... 22128 Grand River, Detroit, Mich	
Minn	The Heimann Co ..... 1711 Hawthorne, Minnpls, Minn	FE2-5457
Miss	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta, Ga	TR5-8031
Mo	Clemenson-Carrabee ..... 436 E. 79th St, Kansas City, Mo	JA3-3005
Mont	Hyde Electronic Sales ..... 888 S. Lipan, Denver, Colo	WE6-3456
Ky	McNabb Schroeder & Loomis ..... 820 E. 64th St, Indpls, Ind	CL5-6770
Neb	The Heimann Co ..... 1711 Hawthorne, Minnpls, Minn	FE2-5457
Nev	William J Purdy Co ..... 312 7th St, San Francisco, Cal	UN3-3300
NH	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
NJ	Art Cerf Co ..... 744 Broad St, Newark, NJ	MI3-9118
NM	Hyde Electronic Sales ..... 888 S. Lipan, Denver, Colo	WE6-3456
NY	Art Cerf Co ..... 744 Broad St, Newark, NJ	M-9118
NC	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta, Ga	TR5-8031
ND	The Heimann Co ..... 1711 Hawthorne, Minnpls, Minn	FE2-5457
Ohio	Neal Bear Corp ..... 3435 Streetsboro Rd, West Richfield	OL9-3331
Okla	The Texport Co ..... 2147 Farrington, Dallas, Tex	RI7-6886
Ore	M F Widdekind ..... 222 1st Ave, N., Seattle, Wash	LI2-4330
Pa	Art Cerf Co ..... 744 Broad St, Newark, NJ	MI3-9118
Pa	Neal Bear Corp ..... 3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
RI	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
SC	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta, Ga	TR5-8031
SD	The Heimann Co ..... 1711 Hawthorne, Minneapolis, Minn	FE2-5457
Tenn	Maitland K Smith Co ..... 208 14th St, N.W., Atlanta, Ga	TR5-8031
Tex	The Texport Co ..... 2147 Farrington, Dallas, Tex	RI7-6886
Utah	Hyde Electronic Sales ..... 888 S. Lipan, Denver, Colo	WE6-3456
Vt	Lawrence Cole Co ..... 21 Radcliffe Rd, Weston, Mass	CE5-3197
Va	Art Cerf Co ..... 744 Broad St, Newark, NJ	
Wash	M F Widdekind ..... 222 1st Ave, N., Seattle, Wash	LI2-4330
W. Va	Neal Bear Corp ..... 3435 Streetsboro Rd, W. Richfield, Ohio	OL9-3331
Wisc	A H Brunina Co ..... 1758 Lawrence Ave, Chicago, Ill	ED4-0989
Wyo	Hyde Electronic Sales ..... 888 S. Lipan, Denver, Colo	WE6-3456

THORENS CO ..... Thoren & Atlantic Aves, New Hyde Park, NY PI6-3082

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte 9, NC	
Alaska	Dale G Weber Co ..... 8 Clay St, S.E., Portland 14, Ore	
Ariz	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles, Cal	
Ark	Chas Lucas Sales Co ..... 2004 S. Beckley, Dallas, Tex	
Cal	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	
Colo	R G Bowen ..... 721 S. Broadway, Denver 9, Colo	
Conn	Hetherington Sales Co ..... 97 Bogle St, Weston 93, Mass	
Del	Harold A Mover Co ..... Box 14, Haddonfield, NJ	
DC	Harold A Mover Co ..... Box 14, Haddonfield, NJ	
Fla	Gus Jose Associates ..... Box 208, N. Miami Beach, Fla	
Ga	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
Hawaii	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	
Idaho	Dale Weber Co ..... 8 S.E. Clay St, Portland, Ore	
Idaho	R G Bowen ..... 721 S. Broadway, Denver 9, Colo	
Ill	Peterson Sales ..... 3647 W. 62nd St, Chicago 29, Ill	
Ind	Peterson Sales ..... 3647 W. 62nd St, Chicago 29, Ill	
Iowa	Peterson Sales ..... 3647 W. 62nd St, Chicago 29, Ill	
Kan	Zimmer Sales ..... 5620 Woodward Ave, Merriam, Kan	
Ky	Peterson Sales ..... 3647 W. 62nd St, Chicago 29, Ill	
La	Chas Lucas Sales Co ..... Box 8506, Dallas, Tex	
Me	Hetherington Sales Co ..... 97 Bogle St, Weston, Mass	
Md	Harold A Mover Co ..... Box 14, Haddonfield, NJ	
Mass	Hetherington Sales Co ..... 97 Bogle St, Weston, Mass	
Mich	K C Burcaw & Co ..... 22128 Grand River Ave, Detroit 19, Mich	
Minn	Clark R Gibb Co ..... 2400 Hennepin Ave, Minneapolis 5, Minn	
Miss	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
Mo	Zimmer Sales ..... 5620 Woodward Ave, Merriam, Kan	
Mont	R G Bowen ..... 721 S. Broadway, Denver, Colo	
Mont	Dale G Weber ..... 8 S.E. Clay St, Portland 14, Ore	
Neb	Zimmer Sales ..... 5620 S. Broadway, Denver, Colo	
Neb	R G Bowen ..... 721 S. Broadway, Denver, Colo	
Nev	Koessler Sales Co ..... 818 N. Fairfax Ave, Los Angeles 46, Cal	
NH	Hetherington Sales ..... 97 Bogle St, Weston 93, Mass	
NJ	Harold A Mover Co ..... Box 14, Haddonfield, NJ	
NM	Ron G Bowen ..... 721 S. Broadway, Denver 9, Colo	
NY	Hetherington Sales ..... 97 Bogle St, Weston, Mass	
NC	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
ND	Clark R Gibb Co ..... 2400 Hennepin Ave, Minneapolis 5, Minn	
Ohio	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	
Okla	Charles Lucas Sales Co ..... Box 8506, Dallas 16, Tex	
Ore	Dale G Weber Co ..... 8 S.E. Clay St, Portland 14, Ore	
Pa	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	
Pa	Harold A Mover Co ..... Box 14, Haddonfield, NJ	
RI	Hetherington Sales Co ..... 97 Bogle St, Weston 93, Mass	
SC	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
SD	Clark R Gibb Co ..... 2400 Hennepin Ave, Minneapolis 5, Minn	
Tenn	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
Tex	Charles Lucas Sales Co ..... Box 8506, Dallas 16, Tex	
Utah	R G Bowen Co ..... 721 S. Broadway, Denver 9, Colo	
Vt	Hetherington Sales Co ..... 97 Bogle St, Weston 93, Mass	
Va	Luke D Roddey ..... 4242 Waterbury Dr, Charlotte, NC	
Wash	Dale G Weber Co ..... 8 S.E. Clay St, Portland 14, Ore	
W. Va	Schroeder Sales Co ..... 2309 Prospect Ave, Cleveland 15, Ohio	
Wisc	Peterson Sales ..... 3647 W. 62 St, Chicago 29, Ill	
Wyo	Ron G Bowen ..... 721 S. Broadway, Denver 9, Colo	

THWING-ALBERT INSTRUMENT CO 5351 Pulaski Ave, Philadelphia 44, Pa.. GE8-5719

TIBBETTS INDUSTRIES INC ..... Camden, Me CE6-3366

TICKLE ENGINEERING WORKS, A.. 21 Delevan St, Brooklyn, NY..... MA5-4200

TIMBER-TOP INC ..... 38 Brooklyn Ave, Freeport, NY..... FR9-0850

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Canada	Muirhead Instruments Ltd ..... Stratford, Ontario, Canada	3717

TIMES FACSIMILE CORP ..... 540 W. 58th St, New York 19, NY JU2-3030

TIMES WIRE & CABLE CO., INC.... 358 Hall Ave, Wallingford, Conn..... CO9-3381

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Ariz	Frank A Emmet Co ..... 1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3721
Ark	Harry D Edmiston Co ..... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Cal	Frank A Emmet Co ..... 1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3721
Cal	Arthur L Bolton Co ..... P.O. Box 944, Menlo Park, Cal	DA1-4332
Colo	Inland Associates ..... 1480 Hoyt St, Lakewood, Colo	BE7-6881
Conn	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
DC	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
DC	Technical Representation ..... 220 S. Easton Rd, Glenside, Pa	TU7-1325
Del	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
Fla	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Ga	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Ind	Ellinger Sales ..... Ft. Wayne, Ind	EA7-1790
Idaho	Shaffer & Nelson Co ..... 312 Occidental Ave, Seattle 4, Wash	MU2-0186
Iowa	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ill	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ky	Ellinger Sales ..... Ft. Wayne, Ind	EA7-1790
Kan	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
La	Harry D Edmiston Co ..... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Me	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
Md	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
Md	Technical Representation ..... 220 S. Easton Rd, Glenside, Pa	TU7-1325
Mass	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
Mich	Burcaw-Cowan Co ..... 22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Miss	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Mo	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Mont	Shaffer & Nelson Co ..... 312 Occidental Ave, Seattle 4, Wash	MU2-0186
Neb	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Nev	Frank A Emmet Co ..... 1810 Fair Oaks Ave, S. Pasadena, Cal	MU2-3721
Nev	Arthur L Bolton Co ..... P.O. Box 944, Menlo Park, Cal	DA1-4332
NH	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
NJ	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
NJ	W R Punt Co ..... 160 Woodbine St, Floral Park, NY	FL2-1742
NJ	Technical Representation ..... 220 S. Easton Rd, Glenside, Pa	TU7-1325
NY	W R Punt Co ..... 160 Woodbine St, Floral Park, NY	FL2-1742
NY	J P Scanlon Co ..... 51 Bloomfield Pl, Rochester 20, NY	GR3-7553
NC	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Ohio	G & H Sales Co ..... Roselawn Center Bldg, Cinn 37, Ohio	JE1-0553
Okla	Harry D Edmiston Co ..... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Ore	Arthur L Bolton Co ..... P.O. Box 944, Menlo Park, Cal	DA1-4332
Ore	Shaffer & Nelson Co ..... 312 Occidental Ave, Seattle 4, Wash	MU2-0186
Ore	Shaffer & Nelson ..... 1001 S. E. Walter Ave, Portland, Ore	
Pa	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
Pa	Technical Representation ..... 220 S. Easton Rd, Glenside, Pa	TU7-1325
RI	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
SC	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Tenn	V Avis McCorvey Co ..... 105 W. Howard Ave, Decatur, Ga	DR6-6167
Tex	Harry D Edmiston Co ..... 2717 Swiss Ave, Dallas, Tex	TA7-2853
Utah	Inland Associates ..... 1480 Hoyt St, Lakewood, Colo	BE7-6881
Vt	J F Kerrigan & Co ..... P.O. Box 6016, Hamden, Conn	AT8-2200
Va	C William Frederick Jr ..... 800 W. Washington St, Norristown, Pa	BR9-7560
Va	Houser Associates ..... 188 Water St, Perth Amboy, NJ	HI2-3159
Wash	Shaffer & Nelson Co ..... 312 Occidental Ave, Seattle 4, Wash	MU2-0186
Wisc	Ellinger Sales ..... 6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Wyo	Inland Associates ..... 1480 Hoyt St, Lakewood, Colo	BE7-6881

TIMKEN ROLLER BEARING CO .... 1835 Dueber Ave, S.W., Canton, Ohio ... GL3-4511

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Timken Roller Bearing Co ..... 10 Office Park Cir, Birmingham 9, Ala	TR1-5172
Cal	Timken Roller Bearing Co ..... 2727 S. Flower St, Los Angeles 7, Cal	RI7-4141
Colo	Timken Roller Bearing Co ..... 2140 E. 45th St, Denver 16, Colo	AM6-0275
DC	Timken Roller Bearing Co ..... 823 Transportation Bldg, Wash. 6, DC	RE7-6068
Ga	Timken Roller Bearing Co ..... 1007 Williams St, N.W. Atlanta 9, Ga	TR2-6654
Ill	Timken Roller Bearing Co ..... 4647 W. 47th St, Chicago 32, Ill	PO7-7700
Ill	Timken Roller Bearing Co ..... 1518 5th Ave, Moline, Ill	
Mass	Timken Roller Bearing Co ..... 50 N. Beacon St, Boston 34, Mass	AL4-3701
Mich	Timken Roller Bearing Co ..... 16101 Schaefer Hwy, Detroit 35, Mich	VE6-2626
Minn	Timken Roller Bearing Co ..... 1609 Hennepin Ave, Minneapolis 3, Minn	FE8-4795
Mo	Timken Roller Bearing Co ..... 2100 S. Vandeventer Ave, St. Louis 10, Mo	MO4-4724
NY	Timken Roller Bearing Co ..... 150 Broadway, New York 38, NY	WO2-1890
NY	Timken Roller Bearing Co ..... 2960 Main St, Buffalo 14, NY	AT6400
Ohio	Timken Roller Bearing Co ..... 1738 Tennessee Ave, Cincinnati 29, Ohio	EL1-1100
Ohio	Timken Roller Bearing Co ..... 3605 Lee Rd, Shaker Hts, Cleveland 20,	WY1-6100
Ohio	Timken Roller Bearing Co ..... 1025 Cleveland Ave, Columbus 3, Ohio	AX1-3161
Pa	Timken Roller Bearing Co ..... 3121 W. Hunting Park Ave, Philadelphia,	BA3-6006
Pa	Timken Roller Bearing Co ..... 2180 Noblestown Rd, Pittsburgh 5, Pa	WA2-0931
Tenn	Timken Roller Bearing Co ..... 886 S. 3rd St, Memphis 6, Tenn	JA7-7376
Tex	Timken Roller Bearing Co ..... 2900 Canton St, Dallas 26, Tex	RI7-4831
Wash	Timken Roller Bearing Co ..... 305 9th Ave, N. Seattle 9, Wash	MA2-1580
W. Va	Timken Roller Bearing Co ..... 916 5th Ave, Huntington 1, W. Va	JA2-1.60

TINGSTOL CO ..... 1340 W. Fullerton, Chicago 14, Ill WE5-4422

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Minn	Mel Foster ..... 2402 Hennepin, Minnpls, Minn	FR4-2612
NY	Eliot Schwartzman ..... 135 Sperry Blvd, New Hyde Park, NY	MU2-6361
NY	Dynatherm Inc ..... 607 W. Commercial St, E. Rochester, NY	RO941
Ohio	Geo L Herrick Co ..... 15326 Loram Ave, Cleveland, Ohio	WI1-4406

TINNERMAN PRODUCTS INC ..... P.O. Box 6688, Cleveland 1, Ohio SH1-9300

TINSLEY INSTRUMENTS (CANADA) LTD ..... P. O. Box 99, Smith Falls, Ont, Canada 2339

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NY	Sensitive Research Instrument Corp ..... 310 Main St, New Rochelle, NY	BE5-2300

TITAN METAL MFG CO ..... Bellefonte, Pa EL5-4712

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Marion T Davis & Co ..... 595 Wimbledon Rd, N.E. Atlanta 9, Ga	TR5-6474
Alaska	David Tanzman ..... 70 Pine St, New York 5, NY	WH3-0355
Ariz	Paul R Spencer & Co ..... 4201 Brighton Blvd, Denver 16, Colo	KE4-3293
Ark	Dan H Nordstrom ..... 1345 W. Hurst Blvd, Fort Worth, Tex	AT4-2642
Cal	Conrad F Winn ..... 315 W. 9th St, Los Angeles 15, Cal	MA7-4588
Cal	David Winslow Co ..... 25 California St, San Francisco 11, Cal	YU2-8644
Colo	Paul R Spencer & Co ..... 4201 Brighton Blvd, Denver 16, Colo	KE4-3293
Conn	C G Anderson & J W Fleming ..... 1387 Main St, Springfield 3, Mass	RE9-3895
DC	C F Leaman Jr ..... Broadway & Cooper Sts, Camden 2, NJ	EN1-0480
Fla	Marion T Davis & Co ..... 595 Wimbledon Rd, N.E., Atlanta 9, Ga	TR5-6474

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ga	Marion T Davis & Co	595 Wimbledon Rd, N.E., Atlanta 9, Ga	TR5-6474
Hawaii	David Tanzman	70 Pine St, New York 5, NY	WH3-0355
Idaho	Paul R Spencer & Co	4201 Brighton Blvd, Denver 16, Colo	KE4-3293
Ill	H T Habermann	53 W. Jackson Blvd, Chicago, Ill	HA7-2215
Ill	W T O'Brien	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8222
Ill	B F Thompson	2200 S. Tibbs Ave, Indianapolis, Ind	CH4-8266
Ind	B F Thompson	2200 S. Tibbs Ave, Indianapolis, Ind	CH4-8266
Iowa	W T O'Brien	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8222
Kan	W T O'Brien	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8222
Ky	G L Furey	7374 Reading Rd, Cincinnati 37, Ohio	RE1-7741
Me	C G Anderson	1387 Main St, Springfield 3, Mass	RE9-3895
Md	C F Leaman Jr	Broadway & Cooper Sts, Camden 2, NJ	EN9-0480
Mass	C G Anderson & J W Fleming	1387 Main St, Springfield 3, Mass	RE9-3895
Mich	R E Kurtz	19250 James Couzens Hwy, Detroit, Mich	UN4-9473
Minn	L C Newton Inc	2295 University Ave, St. Paul 14, Minn	MI5-4637
Mo	W T O'Brien Jr	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8222
Mont	Paul R Spencer & Co	4201 Brighton Blvd, Denver 16, Colo	KE4-3293
Neb	W T O'Brien Jr	111 S. Bemiston Ave, St. Louis 5, Mo	PA5-8222
Nev	Paul R Spencer & Co	4201 Brighton Blvd, Denver 16, Colo	KE4-3293
NH	C G Anderson & J W Fleming	1387 Main St, Springfield 3, Mass	RE9-3895
NJ	Hooper Byrne Co	484 Bloomfield Ave, Montclair, NJ	PL4-8866
NJ	C F Leaman Jr	Broadway & Cooper Sts, Camden 2, NJ	WO6-0480
NM	Paul R Spencer & Co	3342 Del Rio Rd, S.W., Albuquerque, NM	CH2-4127
NY	Hooper Byrne Co	484 Bloomfield Ave, Montclair, NJ	CO7-6208
NY	C E Garbrick	25 North St, Rochester 4, NY	HA6-1490
NY	J W Fleming	1387 Main St, Springfield 3, Mass	RE9-3895
NY	David Tanzman	70 Pine St, New York 5, NY	WH3-3055
NC	C L Miller	Elm & Washington Sts, Greensboro, NC	BR2-4128
ND	L C Newton Inc	2295 University Ave, St. Paul 14, Minn	MI5-4637
Ohio	F D Haigh	2625 Juniper Dr, Toledo 14, Ohio	EV2-8421
Ohio	F T Clark	708 Coleman Rd, Mansfield, Ohio	LM-0550
Ohio	L H Mikesell & G L Furey	7374 Reading Rd, Cincinnati 37, Ohio	RE1-7741
Okla	Dan Nordstrom	1345 W. Hurst Blvd, Fort Worth, Tex	AT4-2642
Ore	James T Hansen Co	333 Taylor Ave Bldg, Seattle 9, Wash	AT3-8101
Pa	C E Garbrick	25 North St, Rochester 4, NY	HA6-1490
Pa	C F Leaman Jr	Broadway & Cooper Sts, Camden 2, NJ	WA2-4688
RI	C G Anderson	1387 Main St, Springfield 3, Mass	RE9-3895
SC	Marion T Davis & Co	595 Wimbledon Rd, N.E., Atlanta 9, Ga	TR5-6474
SD	L C Newton Inc	2295 University Ave, St. Paul 14, Minn	MI5-4637
Tenn	Marion T Davis & Co	595 Wimbledon Rd, N.E., Atlanta 9, Ga	TR5-6474
Tenn	L H Mikesell	7374 Reading Rd, Cincinnati 37, Ohio	RE1-7741
Tex	Dan Nordstrom	1345 W. Hurst Blvd, Fort Worth, Tex	AT4-2642
Utah	Paul R Spencer & Co	2520 S. State St, Salt Lake City, Utah	IN6-3405
Vt	J W Fleming	1387 Main St, Springfield 3, Mass	RE9-3895
Va	C L Miller	Elm & Washington Sts, Greensboro, NC	BR2-4128
Wash	James T Hansen Co	333 Taylor Ave Bldg, Seattle 9, Wash	AT3-8101
W. Va	C L Miller	Elm & Washington Sts, Greensboro, NC	BR2-4128
W. Va	L H Mikesell	7374 Reading Rd, Cincinnati 37, Ohio	RE1-7741
Wisc	H T Habermann	53 W. Jackson Blvd, Chicago, Ill	HA7-2215
Wyo	Paul R Spencer Co., Inc	4201 Brighton Blvd, Denver 16, Colo	KE4-3293
Mass	Herb Mandell & Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
Mich	Robert J Kennedy & Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
NH	Herb Mandell Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
NJ	Mel Levinson Sales Co	172-15 Hellich Ave, Jamaica 32, NY	AX1-5610
NY	Mel Levinson Sales Co	172-15 Hallsuch Ave, Jamaica 32, NY	AX1-5610
Pa	J F Bittner & Co	1814 Deveron Rd, Towson 4, Md	VA3-6311
RI	Herb Mandell & Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
Vt	Herb Mandell & Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
Va	J F Bittner & Co	1814 Deveron Rd, Towson 4, Md	VA3-6311
Wisc	Robert J Kennedy & Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
	TOPFLIGHT CORP	**160 E. Ninth Ave, York, Pa**	
Ill	Topflight Corp	221 N. Lasalle St, Chicago, Ill	
NY	Topflight Corp	10 E. 40th St, New York, NY	
	TOPP INDUSTRIES INC	**5221 W. 102 St, Los Angeles 45, Cal**	**SP6-0458**
	TOPPER MFG CO., INC	**84-56 Parsons Blvd, Jamaica 32, NY**	**AX7-5742**
	TORK TIME CONTROLS INC	**32 Grove St, Mt. Vernon, NY**	**MO4-3542**
Cal	Allied Industries	412 Seaton St, Los Angeles, Cal	MA8-2244
Cal	Fred Benz	520 4th St, San Francisco, Cal	YU2-4312
Colo	Lloyd Reed	1018 Lawrence St, Denver, Colo	AL5-1777
Conn	Dan Patton	47 Applewood Dr, Meriden, Conn	BE5-9060
DC	Vic Miller	P.O. Box 616, Washington, DC	AP7-1877
Fla	John McWhorter	49 N.E. 22nd St, Miami, Fla	FR9-8122
Ga	Verlyn Branham	3181F Roswell Rd, N.E., Atlanta, Ga	CE[illegible]-1658
Hawaii	Matt Cabot	1263 Kukela St, Honolulu, Hawaii	
Ill	Bob Kanter	4516 Jackson, Chicago, Ill	LI4-5884
Kan	Richard Mercer	1810 Walker St, Kansas City, Kan	MA1-5405
Kan	Walter Zimmerman	3413 E. Murdock, Wichita, Kan	MU3-3161
La	Fred Baldridge	302 Eureka Bldg, New Orleans, La	JA5-9258
Mass	Jack Fay	933 E. 2nd St, S. Boston, Mass	AN8-9483
Mich	Bob Gardner	26940 Lyndon St, Detroit, Mich	KE1-1658
Minn	Russ Gerde	6112 Hansen Rd, Minneapolis, Minn	WE9-0969
Mo	Carl Froebel	1246 Hampton Ave, St. Louis, Mo	MI7-1022
NJ	R John Brask	30 Vincent St, Chatham, NJ	ME5-8385
NY	Fay-Sullivan Inc	940 S. Salina St, Syracuse, NY	GR6-1681
NC	Wilson Byrd	1920 Sullivan St, Greensboro, NC	BR3-5832
Ohio	Cable-Right Co	1900 Euclid Ave, Cleveland, Ohio	SU1-7027
Pa	Harry Anschuetz	113 N. 23rd St, Philadelphia, Pa	LO4-0872
Pa	Gayle Lewis	P.O. Box 224, Bethel Park, Pittsburgh	TE5-8192
Tex	Burrus & Matthews	2810 Canton St, Dallas, Tex	RI1-6241
Tex	Burrus & Matthews	1116 Nagle St, Houston, Tex	CA7-4173
Utah	Stevens Sales Co	1482 Major St, Salt Lake City, Utah	IN7-5489
Wash	Abbott Electric Co	925 Westlake Ave, N., Seattle, Wash	AT4-0107
Wash	Free Scharr	1500 Westlake Ave, N., Seattle, Wash	AT3-7178
Canada	Dominion Electric Mfg Co., Ltd	60 Leslie St, Toronto, Ontario, Canada	
	TORNGREN CO., INC., C W	**236 Pearl St, Somerville 45, Mass**	**MO6-3250**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Fla	Erickson Metal Products	Box 828, Largo, Fla	JU4-1171
NY	Comtronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
Ohio	Winton-Dobson Co	614 Western Res Bldg, Cleveland, Ohio	MA1-6977
Pa	Joseph Osterheldt	204 N. Chester Pike, Glenolden, Pa	LU6-9400
	TOROCOIL CO	**1211 N. Chestnut Ave, Arlington Hts, Ill**	**CL5-1766**
	TOROIDAL COMPONENTS CO	**1374 E. Walnut St, Pasadena, Cal**	**SY5-7123**
Ariz	Carl Hower & Co	340 N. Marshal Ave, Scottsdale, Ariz	WH5-2471
	TITEFLEX INC.	**534 Hendee St, Springfield, Mass**	**RE9-5631**
Cal	Titeflex Inc	2328 Broadway, Santa Monica, Cal	EX3-0525
	TODD ELECTRIC CO., INC	**6 Brock St, Yonkers, NY**	**YO3-8850**
Conn	Nelson Wells	15 Chatham Dr, S. Norwalk, Conn	TE8-3111
Me	Eastern Electronic Sales Corp	145 University Rd, Brookline, Mass	AS7-5675
Mass	Eastern Electronic Sales Corp	145 University Rd, Brookline, Mass	AS7-5675
NH	Eastern Electronic Sales Corp	145 University Rd, Brookline, Mass	AS7-5675
NJ	S A Shaw Co	361 Central Park Ave, Yonkers, NY	YO3-5700
NY	S A Shaw Co	361 Central Park Ave, Yonkers, NY	YO3-5700
Ohio	Winslow Electric Co	270 Main St, Chagrin Falls, Ohio	CH7-8587
Pa	Winslow Electric Co	Land Title Bldg, Philadelphia, Pa	RI6-1846
Vt	Eastern Electronic Sales Corp	145 University Rd, Brookline, Mass	AS7-5675
	TOLEDO SCALES DIV TOLEDO SCALE CORP	**1029 Telegraph Rd, Toledo 12, Ohio**	**GR4-5441**
	TOPATRON INC	**942 E. Ojai Ave, Ojai, Cal**	**MI6-1600**
Cal	Cernuti & Associates	841 Woodside Rd, Redwood City, Cal	EM9-3354
Cal	A F Sales & Engineering Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Colo	The Hiebert Co	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Idaho	Rush Drake Associates Inc	P.O. Box 2125, Idaho Falls, Idaho	JA2-7992
Mont	Rush Drake Associates Inc	P.O. Box 2125, Idaho Falls, Idaho	JA2-7992
Nev	Cernuti & Associates	841 Woodside Rd, Redwood City, Cal	EM9-3354
Okla	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	
Ore	Rush Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Tex	Harry D Edmiston	2717 Swiss Ave, Dallas, Tex	TA7-2853
Utah	The Hiebert Co	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Wash	Rush S Drake Associates Inc	1817 Norman St, Seattle 44, Wash	EA3-8545
Wyo	The Hiebert Co	5595 W. Iowa Ave, Denver 14, Colo	WA2-1973
Conn	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
DC	John F Bittner & Co	1814 Devron Rd, Towson 4, Md	VA3-6311
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago, Ill	NE1-8283
Me	Herb Mansell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Md	John F Bittner & Co	1814 Devron Rd, Towson 4, Md	VA3-6311
Mass	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Mich	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago, Ill	NE1-8283
NH	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
NJ	Levison Sales Co., Inc	172-15 Hillside Ave, Jamaica 32, NY	AX1-5610
NY	Levison Sales Co., Inc	172-15 Hillside Ave, Jamacia 32, NY	AX1-5610
Pa	John F Bittner & Co	1814 Deveron Rd, Towson 4, Md	VA3-6311
RI	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Vt	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Va	John F Bittner & Co	1814 Deveron Rd, Towson 4, Md	VA3-6311
	TOPIC INC	**Natick Industrial Center, Natick, Mass**	**OL3-6113**
Conn	Herb Mandell Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
Del	J F Bittner & Co	1814 Deveron Rd, Towson 4, Mass	VA3-6311
DC	J F Bittner & Co	1814 Deveron Rd, Towson 4, Mass	VA3-6311
Ill	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Ind	Robert J Kennedy Co	6713 N. Oliphant Ave, Chicago 31, Ill	NE1-8283
Me	Herb Mandell Co	85 Pearl Ave, Revere 51, Mass	AT9-3787
Md	J F Bittner & Co	1814 Deveron Rd, Towson 4, Mass	VA3-6311
	TOROIDS UNLIMITED INC	**3830 Terrace St, Phila 28, Pa**	**IV2-7178**
Ind	John Lee	2010 Carew Tower, Cincinnati 2, Ohio	CH1-1844
Ky	John Lee	2010 Carew Tower, Cincinnati 2, Ohio	CH1-1844
NJ	O Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NY	O Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NY	J V Costello	639 S. Warren St, Syracuse, NY	
Ohio	John Lee	2010 Carew Tower, Cincinnati 2, Ohio	CH1-1844
Tenn	John Lee	2010 Carew Tower, Cincinnati 2, Ohio	CH1-1844
	TOROTEL INC	**5512 E. 110th, Kansas City 37, Mo**	**SO1-6314**
Ala	Grady Duckett Sales Co	P.O. Box 11657, Atlanta, Ga	
Ariz	Kay Co	706 E. 9th St, Tucson, Ariz	EA5-8725
Ariz	Kay Co	1835 Cambelback Rd, Phoenix, Ariz	CR9-5241
Cal	C B Rush & Associates	McKinley Bldg, 3757 Wilshire Blvd, L A	DU8-7111
Colo	C F L Co	1871 S. Broadway, Denver 10, Colo	SP7-4381
Conn	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
DC	J Alan Biggs & Co., Inc	31 E. 21st, Baltimore, Md	BE5-0575
Fla	Grady Duckett Sales	P.O. Box 11657, Atlanta, Ga	
Ga	Grady Duckett Sales	P.O. Box 11657, Atlanta, Ga	
Ill	The Gormak Co	7001 N. Clark St, Chicago 26, Ill	RO4-6366
Ind	Delta Sales	2136 E. 52nd St, Indpls 5, Ind	CL1-3564
Iowa	The Gormak Co	7001 N. Clark St, Chicago 26, Ill	RO4-6366
Kan	Lee Mark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Ky	Delta Sales	2136 E. 52nd St, Indianapolis 5, Ind	CL1-3564

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Henry Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Md	J Alan Biggs & Co., Inc	Bucks County, Gardenville, Pa	AX7-3171
Mass	Henry Lavin Associates	82 Curve St, Needham, Mass	HI4-3446
Miss	Grady Duckett Sales	P.O. Box 11657, Atlanta, Ga	
Mo	LeeMark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
Neb	Leemark Associates	P.O. Box 8467, Kansas City 14, Mo	JA3-9299
NH	Henry Lavin Associates	P.O. Box 196, Meriden, Conn	BE7-5527
NJ	J Alan Biggs & Co., Inc	Bucks County, Gardenville, Pa	AX7-3171
NJ	Paul D Aaron	Port Wash Blvd, Port Wash, NY	PW7-8480
NY	Naylor Electric Co	1718 E. Erie Blvd, E., Syracuse 3, NY	GR2-9183
NY	Paul D Aaron	Port Wash Blvd, Port Washington, NY	PW7-8480
NC	Grady Duckett Sales	P.O. Box 11657, Atlanta, Ga	
Ohio	Robert O Whitesell & Associates	6620 E. Washington St, Indpls 19, Ind	FL9-5374
Ohio	Robert O Whitesell & Associates	P.O. Box 5, Westlake, Ohio	SU1-1855
Ohio	Robert O Whitesell & Associates	2209 Losantiville Ave, Cincinnati, Ohio	WE1-9210
Ohio	Robert O Whitesell & Associates	2600 Far Hills Bldg, Dayton, Ohio	AX8-4261
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	SE8650
Pa	J Alan Biggs & Co., Inc	Bucks County, Gardenville, Pa	AX7-3171
Pa	J Alan Biggs & Co., Inc	P.O. Box 450, Doylestown, Pa	FI8-9457
Pa	Robt O Whitesell & Assoc	P.O. Box 5, Westlake, Ohio	SU1-1855
RI	Henry Lavin Associates	P.O. Box 196, Meridan, Conn	BE7-5527
SC	Grady Duckett	P.O. Box 11657, Atlanta, Ga	
Tenn	Grady Duckett	P.O. Box 11657, Atlanta, Ga	
Utah	C F L Co	1817 S. Broadway, Denver 10, Colo	SP7-4381
Vt	Henry Lavin Associates	P.O. Box 196, Meridan, Conn	BE7-5527
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	SE8650
W. Va	J Alan Biggs Co	Bucks County, Gardenville, Pa	AX7-3171
	TORQ ENGINEERED PRODUCTS INC	**28 W. Monroe St, Bedford, Ohio**	**BE3-4100**
Cal	Hundley & Co	3282 Fletcher Dr, Los Angeles 65, Cal	
Conn	F Lawrence Moore	Rye Beach, NH	WO4-8551
Iowa	Thomas Neal	P.O. Box 66, Des Plaines, Ill	VA4-7310
Me	F Lawrence Moore	Rye Beach, NH	WO4-8551
Md	Technicraft	6222 Ridge Ave, Philadelphia 28, Pa	IV2-2323
Mass	F Lawrence Moore	Rye Beach, NH	WO4-8551
Minn	Thomas Neal	P.O. Box 66, Des Plaines, Ill	VA4-7310
NH	F Lawrence Moore	Rye Beach, NH	WO4-8551
NJ	Astro Mobile Products Corp	130 W. 42nd St, New York 36, NY	LO4-8270
NY	Astro Mobile Products Corp	130 W. 42nd St, New York 36, NY	LO4-8270
Ohio	Walter Zelinger	P.O. Box 72, Parkman, Ohio	LI8-5373
Ohio	Technical Sales Associates	Talbott Tower, Dayton 2, Ohio	
Pa	Technicraft	6222 Ridge Ave, Philadelphia 28, Pa	IV2-2323
RI	F Lawrence Moore	Rye Beach, NH	WO4-8551
Wisc	Thomas Neal	P.O. Box 66, Des Plaines, Ill	VA4-7310
	TORRINGTON CO	**59 Field St, Torrington, Conn**	**HU2-4441**
	TORRINGTON MFG CO SPECIALTY BLOWER DIV	**100 Franklin Dr, Torrington, Conn**	**HU2-4422**
Cal	Arthur F Klonoski	16300 Roscoe Blvd, Van Nuys, Cal	EM2-0741
Ill	Michael D Conforti	6034 N. Cicero, Chicago, Ill	PE6-8600
	TORSION BALANCE CO	**35 Washington St, Clifton, NJ**	**GR3-6900**
Ariz	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Ark	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Colo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
Conn	Adolph Friedman Co	519 S. Fifth Ave, Mt. Vernon, NY	MO4-4866
Del	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
DC	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Fla	Wm M Jones Co., Inc	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	Wm M Jones Co., Inc	1437 Kenilworth Dr, S.W., Atlanta 10, Ga	PL5-5318
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Ill	Wm T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Ind	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Iowa	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Iowa	Wm T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Kan	Wm T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Ky	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
La	Torsion Balance Co	785 Market St, San Francisco, Cal	YU6-3962
Md	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Mich	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Mich	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Minn	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Mo	Wm T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Neb	Wm T McGary	6635 Delmar Blvd, St. Louis 5, Mo	PA5-6430
Nev	W E Zimmerman	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
NJ	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
NJ	Adolph Friedman Co	519 S. Fifth Ave, Mt. Vernon, NY	MO4-4866
NM	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643
NY	Adolph Friedman Co	519 S. Fifth Ave, Mt. Vernon, NY	MO4-4866
ND	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Ohio	John B Anderson Co., Inc	209 W. Fifth Ave, Columbus 1, Ohio	AX9-9523
Okla	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Pa	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Pa	John B Anderson Co., Inc	209 W. Fifth Ave, Columbus 1, Ohio	AX9-9523
SC	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
SD	Torsion Balance Co	224 S. Michigan Ave, Chicago 4, Ill	WA2-8130
Tenn	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Tex	Torsion Balance Co	785 Market St, San Francisco, Cal	YU6-3962
Utah	Fred A Pease Co	4921 E. 38th Ave, Denver 7 Colo	DU8-4643
Va	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
W. Va	Wm M Jones Co., Inc	1107 Echo Ct, N., Towson 4, Md	VA3-2434
Wisc	Bauman & Bluzat	2753 W. North Ave, Chicago 47, Ill	HU6-6809
Wyo	Fred A Pease Co	4921 E. 38th Ave, Denver 7, Colo	DU8-4643

Canada	Constellation Components	136 Tower Dr, Scarborough, Ontario, Can	PL7-3359
Canada	E E Whittaker	2137 Niagara Dr, Ottawa, Ontario, Can	CE4-4686

TORWICO ELECTRONICS INC ..... 1090 Morris Ave, Union, NJ EL4-5650

Cal	Thomas L Stevens Co	15222 S. Grevillea Ave, Lawndale, Cal	
Conn	John E Boaine Co., Inc	265 Church St, New Haven 10, Conn	
Fla	Jack Gaertner Co	235 Lincoln Rd, Miami Beach, Fla	
Fla	Jack Gaertner Co	711 Magnolia Ave, Orlando, Fla	
Ill	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 30, Ill	
Kan	Thunderbird Eng Sls & Serv Inc	6405 E. Kellogg, Wichita, Kan	
Mass	John E Boaine Co., Inc	P.O. Box 235, Lexington 73, Mass	
Mo	Thunderbird Eng Sls & Serv Inc	7811 Carondelet Ave, St. Louis 5, Mo	
Mo	Thunderbird Eng Sls & Serv Inc	2826 Main St, Kansas City, Mo	
NY	H C Johnson Agencies	111 Mt. Hope Ave, Rochester 20, NY	
NY	H C Johnson Agencies	422 Niagara Falls Blvd, Buffalo 23, NY	
NY	H C Johnson Agencies	9 Ivan Ln, Binghamton, NY	
NY	H C Johnson Agencies	P.O. Box 86, Brandywine Sta, Schenectady, NY	
NY	H C Johnson Agencies	404 E. Genessee St, Fayetteville, NY	
Ohio	Service Equipment Electronics Inc	4500 Euclid Ave, Cleveland 3, Ohio	

TOWACO ELECTRONICS ..... Pine Brook Rd, Towaco, NJ DE4-4443

TOWER CONSTRUCTION CO ..... 2700 Hawkeye Dr, Sioux City, Iowa 2-3631

Cal	Tower Construction Co	1601 Mandeville Canyon, Los Angeles 49	GR2-3337
Mo	A N Ohlfest	3516 W. 48th St, Kansas City, Mo	SK1-4742
Pa	Earl Moore	6101 Joshua Rd, Whitemarsh, Pa	CH7-7122

TOWNSEND CO ..... P. O. Box 71, Ellwood City, Pa PL8-7504

Ala	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
Ariz	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
Cal	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
Conn	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
Del	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
DC	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
Fla	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
Ga	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
Hawaii	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
Ill	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Ind	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Iowa	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Kan	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Ky	Townsend Co	20800 Center Ridge Rd, Cleve 16, Ohio	ED3-2044
Me	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
Md	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
Mass	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
Mich	Townsend Co	8640 W. McNichols Rd, Detroit, Mich	DI1-8814
Minn	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Miss	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
Mo	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Neb	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
NH	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
NJ	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
NM	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
NY	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
NC	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
ND	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Ohio	Townsend Co	20800 Center Ridge Rd, Cleve 16, Ohio	ED3-2044
Okla	Standard Parts & Equip Corp	904 Main, Ft. Worth, Tex	ED6-2521
Ore	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
Pa	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
RI	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
SC	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
SD	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Tenn	J O King Co., Inc	1341 Spring St, N.W., Atlanta, Ga	TR5-7974
Tex	Standard Parts & Equipment Corp	904 Main, Ft. Worth, Tex	ED6-2521
Vt	T J Hatzis & Sons	Statler Office Bldg, Boston, Mass	HA6-2332
Va	Townsend Co	952 Surburban Sta Bldg, Phila 3, Pa	LO3-8137
Wash	Cherry Rivet Div	1224 E. Delhi Rd, Santa Ana, Cal	KI5-5511
W. Va	Townsend Co	20800 Center Ridge Bldg, Cleve 16, Ohio	ED3-2044
Wisc	Townsend Co	27 W. Calendar Ave, La Grange, Ill	FL2-4260
Foreign	Barnell Co	P. O. Box 714, Summit, NJ	

TOYO TRADING CO LTD ..... P. O. Box 999, Central Tokyo, Japan ... TO5276

TRACERLAB INC ..... 1601 Trapelo Rd, Waltham 54, Mass TW4-6600

Cal	Tracerlab Inc	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-3180
Cal	Tracerlab Inc	2030 Wright Ave, Richmond 3, Cal	BE5-2633
DC	Tracerlab Inc	226 Mass. Ave, N.E., Wash 2, DC	LI7-6622
Ga	Tracerlab Inc	1640 Woodbine Ave, Atlanta 17, Ga	DR3-4913
Ill	Tracerlab Inc	325 W. Jackson Blvd, Chicago, Ill	HA7-8981
Mich	Tracerlab Inc	255 E. Nine Mile Rd, Ferndale 20, Mich	LI8-6290
Mo	Tracerlab Inc	4378 Lindell Blvd, St Louis 8, Mo	JE3-7555
NY	Tracerlab Inc	954 Teaneck Rd, Teaneck, NJ	TE3-1443
Ohio	Tracerlab Inc	410 Oak St, Columbus 15, Ohio	CA1-9986
Pa	Tracerlab Inc	Oley, Pa	YE9-6720
Tex	Tracerlab Inc	2419 South Blvd, Houston 6, Tex	JA2-9401
Foreign	Tracerlab	N.V., Herengracht 242, Amsterdam-C, Holland	

TRAD ELECTRONICS CORP ..... 1001 First Ave, Asbury Park, NJ PR6-7445

Cal	Frazar & Hansen Ltd	301 Clay St, San Francisco 11, Cal	EX2-5112
Canada	Mel Sales Ltd	1969 Avenue Rd, Toronto, Ontario, Can	HU1-0231

TRADE-WIND MOTORFANS INC DIV ROBBINS & MEYERS INC ..... 7755 Paramount Pl, Pico Rivera, Cal ... RA3-3623

TRANCOA CHEMICAL CORP ..... 312-326 Ash St, Reading, Mass RE2-3900

TRANSCO PRODUCTS INC ..... 12210 Nebraska Ave, Los Angeles, Cal BR2-5687

Conn	Abbett & Hustis	83 Main St, Ridgefield, Conn	ID8-3200
Mass	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
NY	Harry Yerkes	117 Congress, Newtown, Pa	WO8-2911
Ohio	Tudor Morris	221 Aberdeen Dr, Middletown, Ohio	GA2-5181
Wash	Testco	108 Boeing Field, Seattle, Wash	PA3-9000

TRANSDUCERS INC ..... 2959 Honolulu Ave, La Crescenta, Cal CH5-3123

Ind	Robert T Mathews Co	2527 Westbrook Dr, Ft. Wayne, Ind	AN3035

TRANSDYNE CORP ..... 43 Albertson Ave, Albertson, NY PI1-4990

TRANS ELECTRONICS INC ..... 7349 Canoga Ave, Canoga Park, Cal DI0-3333

Ariz	Aerol Associates Inc	9024 W. Olympic Blvd, Beverly Hills, Cal	BR2-8251
Cal	Aerol Associates Inc	1177 University Dr, Menlo Park, Cal	DA1-1014
Colo	Aerol Associates Inc	Denver Club Bldg, Denver 2, Colo	TA5-2046
Conn	Aerol Associates Inc	820 Park Ave, Bloomfield, Conn	CH2-5586
Fla	Aerol Associates Inc	212 E. Colonial Dr, Orlando, Fla	GA3-4489
Ga	Aerol Associates Inc	361 E. Paces Ferry Rd, N.E., Atlanta 5	CE3-1330
Kan	Aerol Associates Inc	6631 E. Kellogg, Wichita 18, Kan	MU3-7421
Md	Aerol Associates Inc	6803 York Rd, Baltimore 12, Md	DR7-8110
Mass	Aerol Associates Inc	850 Lexington St, Waltham, Mass	TW4-7650
Mo	Aerol Associates Inc	P.O. Box 6216, Lambert Field, St Louis	PE1-6853
NJ	Aerol Associates Inc	1180 Raymond Blvd, Newark, NJ	MA3-0336
NY	Aerol Associates Inc	103 Pickwick Rd, De Witt, NY	GI6-4560
NY	Aerol Associates Inc	170 Great Neck Rd, Great Neck, NY	HU7-9650
Ohio	Aerol Associates Inc	7719 Reading Rd, Cincinnati, Ohio	VA1-4698
Tex	Aerol Associates Inc	314 N. East St, Arlington, Tex	CR5-2400
Wash	Aerol Associates Inc	500 Wall St, Seattle 1, Wash	MA3-0443

TRANSFORMER DESIGN INC OF MILW ..... 7377 N. 76th St, Milwaukee 23, Wisc FL3-8017

Ariz	The Kav Co	708 E. Ninth St, Tucson, Ariz	
Cal	Harry Appleton Co	136 San Fernando Rd, Los Angeles 31, Cal	
Ill	Walter March Associates	308 N. Scoville Ave, Oak Park, Ill	
Iowa	SKB Co	2810 22nd Ave, S., Minneapolis 7, Minn	
Minn	SKB Co	2810 22nd Ave, S., Minneapolis 7, Minn	
ND	SKB Co	2810 22nd Ave, S., Minneapolis 7, Minn	
Ore	E H Sosine Co	3618 39th Ave, W., Seattle 99, Wash	
SD	SKB Co	2810 22nd Ave, S., Minneapolis 7, Minn	
Wash	E H Sosine Co	3618 39th Ave, W., Seattle 99, Wash	
Wisc	SKB Co	2810 22nd Ave, S., Minneapolis 7, Minn	

TRANSFORMER ENGINEERS ..... 285 N. Halstead Ave, Pasadena, Cal MU1-6906

TRANSFORMER SPECIALTY CO ... 1400 Mill Creek Rd, Gladwyne, Pa MI9-4360

Pa	W E Girard Co	741 Fairfield Rd, Glenside, Pa	TU7-4411

TRANSFORMERS INC ..... 200 Stage Rd, Vestal, NY PI8-3311

Cal	Meredith Engineering Associates	385 E. Green St, Pasadena, Cal	MU1-9957
Ill	Design & Sales Engineering Co	25 N. Meramac, St Louis, Mo	PA1-6403
Iowa	Design & Sales Engineering Co	25 N. Meramac, St Louis, Mo	PA1-6403
Kan	Design & Sales Engineering Co	25 N. Meramac, St Louis, Mo	PA1-6403
Minn	Design & Sales Engineering Co	25 N. Meramac, St Louis, Mo	PA1-6403
Mo	Design & Sales Engineering Co	25 N. Meramac, St Louis, Mo	PA1-6403
NY	The Lenard Co	132 Burnet Ave, Syracuse, NY	GR9-9191
Ohio	Dayton Associates	Talbott Tower, Dayton 2, Ohio	BA3-9621
Wisc	Eder Associates	7028 N. Clair Ct, Milwaukee 17, Wisc	FL2-2658

TRANSISTOR COMPONENTS CO .. 301 Oakwood Ave, E. Aurora, NY

TRANSISTOR DEVICES INC ..... 626 Schuyler Ave, Kearny, NJ WY8-8108

Cal	Paul Nurches	2396 E. Foothill Blvd, Pasadena, Cal	SY6-5844
Conn	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
Del	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
DC	Argus Aero Engineering Co	P.O. Box 1105, Langley Pk, Md	HE4-1747
Me	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
Md	Argus Aero Engineering Co	P.O. Box 1105, Langley Pk, Md	HE4-1747
Mass	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
NH	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
NJ	Irwin Brill	250 Mt. Vernon Pl, Newark, NJ	ES1-2257
NY	Burt U Levy	20-30 Elk Dr, Far Rockaway 91, NY	FA7-7608
Pa	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	OS5-4131
RI	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
Vt	Abbott-Allison Co	P.O. Box 467, Meridan, Conn	BE7-9232
Va	Argus Aero Engineering Co	P.O. Box 1105, Langley Pk, Md	HE4-1747

TRANSISTOR ELECTRONICS CORP 3357 Republic Ave, Minneapolis 26, Minn WE9-6754

Ariz	Costello & Co	2740 La Cienega Blvd, Los Angeles, Cal	UP0-8537
Cal	Costello & Co	2740 La Cienega Blvd, Los Angeles, Cal	UP0-8537
Colo	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	WA2-2624
Conn	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Del	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5000
DC	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5000
Fla	Benz Sales Co	P.O. Box 178, N. Miami Beach 62, Fla	FR4-1391
Ill	H J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	MO8-7085
Ind	H J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	MO8-7085
Iowa	H J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	MO8-7085
La	Aireo Engineering Co	P.O. Box 9555, Dallas, Tex	TA4-3800
Me	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Md	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5000
Mass	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Mich	R C Nordstrom Co	Briggs Bldg, Birmingham, Mich	JO4-6129
Minn	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Mo	Halgin Sales	721 Olive St, St. Louis, Mo	CH1-6919
Neb	Halgin Sales	721 Olive St, St. Louis, Mo	
Nev	Costello & Co	2740 La Cienega Blvd, Los Angeles, Cal	UP0-8537
NH	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
NJ	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5000
NM	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 14, Colo	
NY	P R Freeman & Co	91 Dogwood Ln, New Hyde Park, NY	FL4-1828
NY	R W Mitcher Co., Inc	Ellicott Sq Bldg, Buffalo, NY	WA2517
ND	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Okla	Halgin Sales	721 Olive St, St. Louis, Mo	
Ore	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	
Pa	P R Freeman & Co	91 Dogwood Ln, New Hyde Park, NY	FL4-1828
RI	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
SD	Hamilton & Bayle Associates Inc	3359 Republic Ave, Minneapolis, Minn	WE9-7891
Tex	Aireo Engineering Co	P.O. Box 9555, Dallas, Tex	TA4-3800
Vt	Bordewieck Engineering Sales Co	221 Grove St, Braintree, Mass	VI3-0845
Va	Charles R Hile Co	Box 144, Paoli, Pa	NI4-5000
Wash	Hawthorne Electronics	700 S.E. Hawthorne Blvd, Portland, Ore	
W. Va	H J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	MO8-7085
Wisc	H J Batha Co	310 S. Dorchester Ave, Wheaton, Ill	MO8-7085

TRANSISTOR SPECIALTIES INC ... Terminal Dr, Plainview, NY WE5-8700

Ala	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Cal	Cerutti & Associates	P.O. Box 509, Redwood City, Cal	EM9-3354
Cal	A-F Sales Engineering Inc	385 E. Green St, Pasadena, Cal	MU1-5631
Conn	Geo Gosten Hofer & Associates Inc	7 Wellington, Waltham 54, Mass	TW4-9500
Del	S & S Associates	1820 23rd St, S.E., Washington 20, DC	LU2-0041
DC	S & S Associates	1820 23rd St, S.E., Washington 20, DC	LU2-0041
Fla	J Neal & Co	3931 W. 5th Terr, Miami, Fla	HI4-1118
Ga	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ill	Maher Engineering Co	4335 W. Peterson Ave, Chicago 30, Ill	PE6-8747
Ind	Maher Engineering Co	4335 W. Peterson Ave, Chicago, Ill	PE6-8747
Iowa	Maher Engineering Co	4335 W. Peterson Ave, Chicago, Ill	PE6-8747
Me	Geo Gosten Hofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Md	S & S Associates	1820 23rd St, S.E., Washington 20, DC	LU2-0041
Mass	Geo Gosten Hofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
Mo	Maher Engineering Co	4335 W. Peterson Ave, Chicago, Ill	PE6-8747
Nev	Cerutti & Associates	P.O. Box 509, Redwood City, Cal	EM9-3354
NH	Geo Gosten Hofer & Associates Inc	7 Wellington St, Waltham, Mass	TW4-9500
NJ	Qed Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NJ	S & S Associates	780 W. De Kalb Pk, King of Prussia, Pa	BR9-7192
NY	Qed Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	D B Associates	3307 Erie Blvd, E., DeWitt, NY	GI6-0220
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Kilroy-Whelan Corp	10 N. Main St, Chagrin Falls, Ohio	CH7-4032
Okla	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Pa	S & S Associates	780 W. De Kalb, King of Prussia, Pa	BR9-7192
Pa	S & S Associates	P.O. Box 10584, Pittsburgh 35, Pa	VA4-5860
RI	Geo Gosten Hofer & Associates Inc	7 Wellington St, Waltham 54, Mass	TW4-9500
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tenn	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Tex	Don Champion Co	P.O. Box 456, Hurst, Tex	AT4-1414
Vt	Geo Gosten Hofer & Associates Inc	7 Wellington St, Waltham 54, Mass	
Va	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
W. Va	Kilroy-Whelan Corp	10 N. Main St, Chagrin Falls, Ohio	CH7-4032
Wisc	Maher Engineering Co	4335 W. Peterson Ave, Chicago, Ill	PE6-6747
Canada	Radionics Ltd	8230 Maynard St, Montreal 9, Quebec	RE9-5517

TRANSITRON ELECTRONIC CORP 168 Albion St, Wakefield, Mass CR9-4500

Ala	Transitron Electronic Sales Corp	310 W. 4th St, Winston-Salem, NC	PA3-0363
Ala	Transitron Electronic Sales Corp	205 E. Jackson St, Orlando, Fla	CH1-4526
Alaska	Transitron Electronic Sales Corp	3466 E. Marginal Way, Seattle, Wash	MA4-0783
Ariz	Transitron Electronic Sales Corp	2727 N. Central Ave, Phoenix, Ariz	CR7-3368
Ark	Transitron Electronic Sales Corp	511 Braniff Airways Bldg, Dallas 35, Tex	FL7-9448
Cal	Transitron Electronic Sales Corp	535 Middlefield Rd, Palo Alto, Cal	DA1-2064
Cal	Transitron Electronic Sales Corp	6362 Hollywood Blvd, Hollywood 28, Cal	HO2-2381
Cal	Transitron Electronic Sales Corp	2727 N. Central Ave, Phoenix, Ariz	CR7-3368
Colo	Transitron Electronic Sales Corp	621 17th St, Denver, Colo	AC2-1686
Conn	Transitron Electronic Sales Corp	1060 Broad St, Newark, NJ	MA3-3151
Del	Transitron Electronic Sales Corp	2319 Maryland Ave, Baltimore, Md	CH3-3220
DC	Transitron Electronic Sales Corp	2319 Maryland Ave, Baltimore, Md	CH3-3220
Fla	Transitron Electronic Sales Corp	205 E. Jackson St, Orlando, Fla	CH1-4526
Ga	Transitron Electronic Sales Corp	205 E. Jackson St, Orlando, Fla	
Ga	Transitron Electronic Sales Corp	310 W. 4th St, Winston-Salem, NC	PA3-0363
Hawaii	Transitron Electronic Sales Corp	535 Middlefield Rd, Palo Alto, Cal	DA1-2064
Idaho	Transitron Electronic Sales Corp	3466 E. Marginal Way, Seattle, Wash	MA4-0783
Ill	Transitron Electronic Sales Corp	6641 W. North Ave, Oak Park, Chicago, Ill	VI8-5556
Ill	Transitron Electronic Sales Corp	31st & Troost Sts, Kansas City, Kan	VA1-1819
Ind	Transitron Electronic Sales Corp	6641 W. North Ave, Oak Park, Chicago, Ill	VI8-5556
Iowa	Transitron Electronic Sales Corp	1821 University Ave, St. Paul, Minn	MI6-1891
Kan	Transitron Electronic Sales Corp	31st & Troost Sts, Kansas City, Mo	VA1-1819
Ky	Transitron Electronic Sales Corp	379 W. 1st St, Dayton, Ohio	BA4-9651
La	Transitron Electronic Sales Corp	511 Braniff Airways Bldg, Dallas 35, Tex	FL7-9448
Md	Transitron Electronic Sales Corp	2319 Maryland Ave, Baltimore, Md	CH3-3220
Mich	Transitron Electronic Sales Corp	2842 W. Grand Blvd, Detroit, Mich	TR5-2440
Minn	Transitron Electronic Sales Corp	1821 University Ave, St. Paul, Minn	MI6-1891
Miss	Transitron Electronic Sales Corp	511 Braniff Airways Bldg, Dallas 35, Tex	FL7-9448
Mo	Transitron Electronic Sales Corp	31st & Troost Sts, Kansas City, Mo	VA1-1819
Mont	Transitron Electronic Sales Corp	3466 E. Marginal Way, Seattle, Wash	MA4-0783
Neb	Transitron Electronic Sales Corp	31st & Troost Sts, Kansas City, Mo	VA1-1819
Nev	Transitron Electronic Sales Corp	621 17th St, Denver, Colo	AC2-1686
NJ	Transitron Electronic Sales Corp	227 S. 6th St, Camden, NJ	WO6-2577
NJ	Transitron Electronic Sales Corp	1060 Broad St, Newark, NJ	MA3-3151
NM	Transitron Electronic Sales Corp	621 17th St, Denver, Colo	AC2-1686
NY	Transitron Electronic Sales Corp	2360 James St, Syracuse, NY	HO3-4502

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NY	Transitron Electronic Sales Corp	1060 Broad St, Newark, NJ	MA3-3151
NC	Transitron Electronic Sales Corp	310 W. 4th St, Winston-Salem, NC	PA3-0363
Ohio	Transitron Electronic Sales Corp	14625 Detroit Ave, Cleveland, Ohio	AC1-9191
Ohio	Transitron Electronic Sales Corp	379 W. 1st St, Dayton, Ohio	BA4-9651
Okla	Transitron Electronic Sales Corp	511 Braniff Airways Bldg, Dallas 35, Tex	FL7-9448
Ore	Transitron Electronic Sales Corp	3466 E. Marginal Way, Seattle, Wash	MA4-0783
Pa	Transitron Electronic Sales Corp	227 S. 6th St, Camden, NJ	WO6-2877
Pa	Transitron Electronic Sales Corp	14625 Detroit Ave, Cleveland, Ohio	AC1-9191
SC	Transitron Electronic Sales Corp	310 W. 4th St, Winston-Salem, NC	PA3-0363
Tenn	Transitron Electronic Sales Corp	310 W. 4th St, Winston-Salem, NC	PA3-0363
Tex	Transitron Electronic Sales Corp	511 Braniff Airways Bldg, Dallas 35, Tex	FL7-9448
Utah	Transitron Electronic Sales Corp	621 17th St, Denver, Colo	AC2-1686
Va	Transitron Electronic Sales Corp	2319 Maryland Ave, Baltimore, Md	CH3-3220
Wash	Transitron Electronic Sales Corp	3466 E. Marginal Way, Seattle, Wash	MA4-0783
Wisc	Transitron Electronic Sales Corp	1821 University Ave, St. Paul, Minn	MI6-1891
Wisc	Transitron Electronic Sales Corp	6641 W. North Ave, Oak Park, Ill	VI8-5556
Wyo	Transitron Electronic Sales Corp	621 17th St, Denver, Colo	AC2-1686
	TRANSLINE ELECTRONIC MFG CO	**304 Mt. Pleasant Ave, Newark 4, NJ**	**HU4-4414**
	TRANSLITE ELECTRONICS CORP	**5720 W. Armitage, Chicago 39, Ill**	**BE7-4756**
Ala	Milton M Shamitz	1272 Zenner Dr, Atlanta 6, Ga	
Ala	Ashton-Therrel Co	2045 Golfview Dr, Atlanta 9, Ga	
Ariz	Ed Firestone Co	16617 Dearborn St, Sepulveda, Cal	
Ark	Henry Stein	7011 Sloan St, Houston, Tex	
Cal	Edw Firestone Co	16617 Dearborn St, Sepulveda, Cal	
Conn	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
Del	Akulin & Sherrer & Associates	1615 Melon St, Philadelphia, Pa	
DC	Akulin & Sherrer & Associates	1615 Melon St, Philadelphia, Pa	
Fla	Ashton-Therrel Co	2045 Golfview Rd, Atlanta 9, Ga	
Fla	Milton M Shamitz	1272 Zenner Rd, Atlanta, Ga	
Ga	Milton M Shamitz	1272 Zenner Rd, Atlanta, Ga	
Idaho	Gordon Buttles Co	801 E. Pike St, Seattle 22, Wash	
Ill	Aristo-Com Inc	1414 S. Michigan Ave, Chicago 5, Ill	
Iowa	Album Orren Sales	2120 Lyndale Ave, S., Minneapolis, Minn	
Kan	Henry Stein	7011 Sloan St, Houston 17, Tex	
Kan	Louis E Bruns Co	917 Central Ave, Kansas City, Kan	
La	Henry Stein	7011 Sloan St, houston 17, Tex	
Me	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
Md	Akulin-Sherrer & Associates	1615-35 Melon St, Philadelphia, Pa	
Mass	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
Mich	Barmibean-Dulude In	1812 S. Rochester Rd, Rochester, Mich	
Minn	Album-Orren Sales Co	2120 Lyndale Ave, Minneapolis, Minn	
Miss	Milton M Shamitz	1272 Zenner Dr, Atlanta 6, Ga	
Mo	Lewis E Bruns Co	917 Central Ave, Kansas City, Kan	
Mont	Gordon Buttles Co	801 E. Pike St, Seattle 22, Wash	
Neb	Album Orren Sales Co	2120 Lyndale Ave, S., Minneapolis, Minn	
Nev	Edward Firestone Co	16617 Dearborn St, Sepulveda, Cal	
NH	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
NJ	Akulin-Sherrer & Associates	1615-35 Melon St, Philadelphia, Pa	
NY	Akulin-Sherer & Associates	1615-35 Melon St, Philadelphia, Pa	
NC	Milton M Shamitz	1272 Zenner Dr, Atlanta 6, Ga	
ND	Album-Orren Sales Co	2120 Lyndale Ave, Minneapolis, Minn	
Okla	Henry Stein	7011 Sloan St, Houston 17, Tex	
Ore	Gordon Buttles Co	801 E. Pike St, Seattle 22, Wash	
Pa	Akulin-Sherrer & Associates	1615-35 Melon St, Philadelphia, Pa	
RI	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
SC	Milton Shamitz	1272 Zenner Rd, Atlanta 6, Ga	
SD	Album-Orren Sales Co	2120 Lyndale Ave, S., Minneapolis, Minn	
Tenn	Milton Shamitz	1272 Zenner Rd, S.E., Atlanta 6, Ga	
Tex	Henry Stein	7011 Sloan St, Houston, Tex	
Vt	Warshaw Sales Co	Old Mod Rd, Clinton, Conn	
Va	Akulin-Sherer & Associates	1615-35 Melon St, Philadelphia, Pa	
Wash	Gordon Buttles Co	801 E. Pike St, Seattle 22, Wash	
W. Va	Akulin-Sherrer & Associates	1615-35 Melon St, Philadelphia, Pa	
Wisc	Album-Orren Sales Co	2120 Lyndale Ave, S., Minneapolis, Minn	
	TRANSONIC INC	**808 16th St, Bakersfield, Cal**	**FA7-5701**
	TRANS-SIL CORP	**55 Hoseck St, Englewood, NJ**	**LO7-1720**
Ala	Electrical Mfrs Service	809 Chattanooga Bank, Chattanga, Tenn	AM7-4293
Conn	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Del	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
DC	Rothenheber & Co	4222 Ivy Glen Rd, Silver Spring, Md	
Fla	Electrical Mfrs Service	65 E. Church St, Orlando, Fla	GA5-7515
Ga	Electrical Mfrs Service	P.O. Box 5091, High Point, NC	HI2-3495
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St Louis 30, Mo	PA5-5219
Me	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Md	Rothenheber & Co	4222 Ivy Glen Rd, Silver Spring, Md	
Mass	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Minn	Irvin I Arron & Associates Inc	614 E. Grant St, Minneapolis 4, Minn	
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St Louis, Mo	PA5-5219
NH	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
NJ	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
NJ	Electrical Mfrs Service	18 Yale St, Nutley 10, NJ	NU2-2541
NY	Electrical Mfrs Service	105 Hillside Ave, Williston Park, NY	PI2-1616
NY	Electrical Mfrs Service	5 St. Paul St, Rochester, NY	BA5-9928
NC	Electrical Mfrs Service	P.O. Box 5091, High Point, NC	HI2-3495
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
Ohio	Mike Roth Sales Co	908 Grandon Ave, Columbus 9, Ohio	BE5-4253
Okla	Edward F Avmond Co	P.O. Box 6595, Dallas, Tex	LA6-5233
Pa	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Pa	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
RI	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
SC	Electrical Mfrs Service	P.O. Box 5091, High Point, NC	HI2-3495
SD	Irvin I Aaron & Associates Inc	829 N. Marshall St, Milwaukee 2, Wisc	BR6-8515
Tenn	Electrical Mfrs Service	809 Chattanooga Bank, Chattanooga	AM7-4293
Tex	Edward F Avmond Co	P.O. Box 6595, Dallas, Tex	LA6-5233
Vt	De Veer Sales Engineering Co	1492 Highland Ave, Needham, Mass	HI4-4200
Va	Rothenheber & Co	53 Cricket Ave, Ardmore, Pa	MI2-6911
Va	Electrical Mfrs Service	P.O. Box 5091, High Point, NC	HI2-3495
W.Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland, Ohio	YE2-4262
Wisc	Irvin I Aaron & Associates Inc	829 N. Marshall St. Milwaukee, Wisc	BR6-8515
Foreign	Philips Export Co	100 E. 42nd St, New York, NY	OX7-3600
	TRANS-SONICS INC	**Dept 5, Burlington, Mass**	**BR2-1000**
Ala	Kemp Engineering Co	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Cal	Trans-Sonics Pacific	8250 Vista Del Mar, Playa Del Rey, Cal	EX1-6714
Cal	Electronic Engineering Assoc Ltd	1295 Laurel St, San Carlos, Cal	LY3-2189
Colo	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5434
Del	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
DC	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Fla	Ernest C Triga	607 Endsley Ave, Maitland, Fla	MI7-3648
Idaho	Bumstead-Woolford Co	1411 4th Ave, Seattle, Wash	MA3-4915
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind	FL6-4249
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Kan	Kemp Engineering Co	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Ky	Kemp Engineering Co	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Md	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis 27	LI5-4481
Mo	Kemp Engineering Co	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Mont	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5434
Neb	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5434
NJ	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Okla	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Bumstead-Woolford Co	421 S. W. 6th Ave, Portland 4, Ore	CA8-6686
Pa	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Tenn	Kemp Engineering Co	6414A Hampton Ave, St. Louis 9, Mo	FL1-2175
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Va	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Wash	Bumstead-Woolford Co	1411 4th Ave, Seattle, Wash	MA3-4915
W. Va	Arco Engineering Co	1034 Woodward Bldg, Wash 5, DC	EX3-5991
Wisc	Hugh Marsland Co	6699 Lincoln Ave, Chicago 45, Ill	OR6-1100
Wyo	Peterson Co	4949 Colorado Blvd, Denver, Colo	DE3-5434
	TRANS-TEL CORP	**910 N. Orange Dr, Los Angeles 38, Cal**	
	TRANSVAL ELECTRONICS	**2030 Maple Ave, El Segundo, Cal**	**EA2-5120**
DC	Jack Campbell	1000 Connecticut Ave, Washington,DC	
	TRANS-WESTERN ELECTRONICS	**P. O. Box 1473, Ventura, Cal**	**MI2-4219**
	TRAVIS FABRICS CO	**1071 6th Ave, New York 18, NY**	**LO4-1940**
Cal	Lawrence Harts	819 Santee St, Los Angeles, Cal	MA2-7545
Cal	Ray Lemerman	1328 Oxford St, San Francisco, Cal	YU6-1696
Ill	Kenneth Levine	300 W. Adams St, Chicago, Ill	AN3-2106
Mass	Harold Zola	86 Noanett Rd, Needham Heights 94	HI4-3048
Pa	Tom Sheehan	117 Beaver Ave, Pittsburgh, Pa	PO6-3822
	TRAY-LER RADIO CORP	**571 W. Jackson Blvd, Chicago 6, Ill**	**HA7-9151**
	TRENT TUBE CO	**498 S. Church St, East Troy, Wisc**	**MI2-7321**
Cal	F H Currie Inc	1901 W. 8th St, Los Angeles 57, Cal	DU5-7448
Fla	H D Graues	P.O. Box 7784, Orlando, Fla	GA3-6323
Ill	C A Kuhnmuench	116 S. Michigan, Chicago 3, Ill	FI6-4277
Mich	Nagle & Hildebrandt	719 New Center Bldg, Detroit 2, Mich	TR2-5100
NY	F H Hizbee	405 Lexington Ave, New York 17, NY	YU6-9767
Pa	W H Collins	1723 Oliver Bldg, Pittsburgh 22, Pa	AT1-6511
Tex	E E Graham & Co	3701 Navigation Blvd, Houston 3, Tex	CA5-5443
	TRENTON TRANSFORMER CORP	**P.O. Box 5688, Trenton, NJ**	**OW5-3451**
Ohio	Martin-Rettzer Inc	11955 Shaker Blvd, Cleveland 20, Ohio	SW1-8787
	TREPAC CORP OF AMERICA	**30 W. Hamilton Ave, Englewood, NJ**	**LO7-3810**
Alaska	Vernon Neff	2901 Aspen Dr, Spenard, Anchorage	
Cal	Peninsula Associates	1345 Hancock St, Redwood City, Cal	EM9-1226
Hawaii	Press Dispatch	Hawaiian Hills, Pacific Hghts, Honolulu	
Mass	Associated Electronics Inc	525 Pleasant St, Worcester, Mass	PL3-8187
	TRESCO INC	**3824 Terrace St, Philadelphia 28, Pa**	**IV3-1383**
Fla	Wm Hemminger Co	624 N.E. 79 St, Miami, Fla	PL9-0300
Mass	P J Engineering Sales Co	Box 212, Watertown, Mass	
NJ	O P Marchand	312 Academy St, Jersey City, NJ	OL6-0643
NJ	Wm Call	85 Washington St, East Orange, NJ	OR3-5977
NY	J V Costello	639 S. Warren St, Syracuse, NY	HA2-0532
Ohio	John C Lee	7050 Drake Rd, Cincinnati, Ohio	LO1-5486
	TRIAD TRANSFORMER CORP DIV LITTON INDUSTRIES	**4855 Redwood Ave, Venice, Cal**	**UP8-5381**
Alaska	Dave M. Lee Co., Inc	2517 2nd Ave, Seattle 1, Wash	MA2-5512
Ariz	Miles Wagner	215 E. River Rd, Tucson, Ariz	CY7-0886
Cal	Logan Sales Co	150 8th St, San Francisco 3, Cal	HE1-0692
Colo	McLoud & Raymond Co	5403 E. Evans Ave, Denver 23, Colo	SK6-1589
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla	GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd N.W., Atlanta 9, Ga	TR6-3020
Idaho	McLoud & Raymond Co	5403 E. Evans, Denver 23, Colo	SK6-1589
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Ind	Burton E. Homsher	2018 Jessie Ave, Fort Wayne, Ind	EA 4920
Md	Robert Finlay, Jr	1207 York Rd, Lutherville, Md	OL2-0088
Mass	Dan Greene Organization, Inc	Box 124, Cambridge 38, Mass	UN4-2220
Mich	Henschen, Jensen Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	Hamilton & Bayle Associates, Inc	3359 Republic Ave, Minneapolis 26, Minn	WE9-7891
Mo	H.A. Roes Co	2601 Cherry St, Kansas City 8, Mo	BA1-0866
Mont	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Neb	McLoud & Raymond Co	5403 E. Evans Ave, Denver 22, Colo	SK6-1589
Nev	Logan Sales Co	150 8th St, San Francisco 3, Cal	HE1-0692
NY	BE-Esco Sales Corp	45 S. Broadway, Yonkers, NY	YO3-0150
NY	Pastor-Hunter Co	3307 Erie Blvd E, Syracuse 14, NY	GI6-2181
NY	Bob Nelson	217 S. Fulton Ave, Mt. Vernon, NY	VE7-6607
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
NC	Murphy & Cota	221 Latta Arcade, Charlotte 2, NC	FR5-2317
Ohio	Frank Kahsar	4628 Glenway Ave, Cincinnati, Ohio	GR1-0911
Ohio	Arthur H. Baier Co	12417 Cedar Rd, Cleveland 6, Ohio	FA1-5644
Ohio	Arthur H. Baier Co	384 W. First St, Dayton 2, Ohio	BA8-5493
Ore	Dave M. Lee Co., Inc	3527 N.E. Union Ave, Portland 12, Ore	AT8-5796
Pa	Gene S. Root & Co	733 Vallevista Ave, Pittsburh 34, Pa	LO1-4125
Tex	Branum Sales, Inc	2334 Havenhurst, Dallas 34, Tex	CH7-7128
Wash	Dave M. Lee Co., Inc	2517 Second Ave, Seattle 1, Wash	MA2-5512
Foreign	Westrex Corp	111 8th Ave, New York 11, NY	CH3-2300
	TRICON MFG CO	**8012 S. Wallace, Chicago 20, Ill**	**AB4-0600**
Conn	Robert M Jones	40 Mountain Rd, West Hartford, Conn	JA3-4576
Mich	Harvey L Gendron Co	22034 Dequindre Rd, Warren, Mich	LI1-8600
Mo	Tanler & Co	9827 Clayton Rd, St. Louis 24, Mo	WY3-1020
NC	I S Broski	911 Knollwood St, Winston Salem, NC	PA3-7872
Ohio	Robert L Shelton	200 Murwood Dr, Chagrin Falls, Ohio	EV2-1410
SC	I S Broski	911 Knollwood St, Winston Salem, NC	PA3-7872
Tex	George Weirweich & Associates	1210 Old Gate Ln, Dallas 18, Tex	
	TRICRAFT PRODUCTS CORP	**1124 W. Newport Ave, Chicago 13, Ill**	**WE5-5383**
Cal	L A Nott & Co	1061 Howard St, San Francisco, Cal	
Conn	Frank Maher Sales Co	106 Woodlawn St, W. Hartford 10, Conn	
Del	J C Merican Co	1 Christopher St, New York 14, NY	
DC	J C Merican Co	1 Christopher St, New York 14, NY	
Fla	Jack Geartner Sales Co	823 86th St, Miami Beach, Fla	
Hawaii	L A Nott & Co	1061 Howard St, San Francisco, Cal	
Ill	Morton L. Friedman Co	2814 W. Balmoral Ave, Chicago 25, Ill	
Me	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	
Md	J C Merican Co	1 Christopher St, New York 14, NY	
Mass	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	
NH	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	
NJ	J C Merican Co	1 Christopher St, New York, NY	
NY	Albert Silber Sales Co	1 Christopher St, New York, NY	
Pa	J C Merican Co	1 Christopher St, New York, NY	
RI	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	
SC	Charles M Furman Co	1228 W. Harding Pl, Charlotte 3, NC	
Vt	Frank Maher Sales Co	106 Woodlawn St, W. Hartford, Conn	
Va	Charles M Furman & Associates	1228 W. Harding Pl, Charlotte, NC	
	TRI-DEX CO	**P.O. Box 1207, Lindsay, Cal**	**LI2-4051**
	TRI-EX TOWER CORP	**127 E. Inyo, Tulare, Cal**	**MU6-3411**
Ala	J E Joyner & Associates	P.O. Box 10821, Sta A, Atlanta 10, Ga	
Ariz	Barstow & Doran	1406 S. Grand, Los Angeles, Cal	RI9-0438
Ark	Dick Bellew	314 Melrose, El Dorado, Ark	
Cal	Logan & Logan	254 12th St, San Francisco, Cal	
Cal	Barstow & Doran	1406 S. Grand, Los Angeles, Cal	
Colo	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	
Conn	Hal Chamberlain	Civilian Air Terminal, Bedford, Mass	
Del	Robert Finlay	P.O. Box 29, Lutherville, Md	
DC	Robert Finlay	P.O. Box 29, Lutherville, Md	
Fla	J E Joyner	P.O. Box 10821, Sta A, Atlanta 10, Ga	
Ga	J E Joyner	P.O. Box 10821, Sta A, Atlanta 10, Ga	
Hawaii	Barstow & Doran	1406 S. Grand, Los Angeles, Cal	RI9-0438
Idaho	Koether -Cox	110 W. 13th Ave, Denver, Colo	
Ill	M E Betts Co	406 W. 34th, Kansas City, Mo	
Ind	Technical Associates	4475 Lander Rd, Cleveland, Ohio	
Iowa	M E Betts Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Kan	M E Betts Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Ky	Technical Associates	4475 Lander Rd, Cleveland, Ohio	
La	Dick Bellew	314 Melrose, El Dorado, Ark	
Me	Hal Chambelain	Civilian Air Terminal, Bedford, Mass	
Md	Robert Finlay	P.O. Box 29, Lutherville, Md	
Mass	Hal Chamberlain	Civilian Air Terminal, Bedford, Mass	
Minn	Clark Gibbs Co	2400 Hennipen Ave, Minneapolis, Minn	
Miss	J E Joyner	P.O. Box 10821, Sta A, Atlanta 10, Ga	
Mo	M E Betts Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Mont	Koether-Cox	110 W. 13th Ave, Denver, Colo	
Neb	M E Betts Co	406 W. 34th St, Kansas City, Mo	LO1-0772
Nev	Logan & Logan	254-12th St, San Francisco, Cal	
NH	Hal Chamberlain	Civilian Air Terminal, Bedford, Mass	
NJ	Robert Finlay	P.O. Box 29, Lutherville, Md	
NM	Koether-Cox	110 W. 13th Ave, Denver, Colo	
NC	J E Joyner	P.O. Box 10821, Sta A, Atlanta 10, Ga	
ND	Clark Gibb & Co	2400 Hennipen Ave, Minneapolis, Minn	
Ohio	Technical Associates	4475 Lander Rd, Cleveland, Ohio	
Okla	M E Betts Co	406 W. 34 St, Kansas City, Mo	LO1-0772
Pa	Technical Associates	4475 Lander Rd, Cleveland, Ohio	
Pa	Robert Finlay	Box 29, Lutherville, Md	
RI	Hal Chamberlain	Civilian Air Terminal, Bedford, Mass	
SC	J E Joyner	Box 10821, Sta A, Atlanta 10, Ga	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
SD	Clark Gibb & Co	2400 Hennipen Ave, Minneapolis, Minn
Tenn	J E Joyner	Box 10821, Sta A, Atlanta 10, Ga
Tex	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex
Utah	Koether-Cox	110 W. 13th Ave, Denver, Colo
Vt	Hal Chamberlain	Civilian Air Terminal, Bedford, Mass
Va	Robert Finlay	Box 29, Lutherville, Md
W. Va	Technical Associates	4475 Lander Rd, Cleveland, Ohio
Wyo	Koether-Cox	110 W. 13th Ave, Denver, Colo

TRIMM INC — 400 W. Lake, Libertyville, Ill — LI3-3700

TRINDL PRODUCTS LTD — 1807 S. Clark St, Chicago, Ill — VI2-7716

TRIO LABORATORIES INC — Plainview, NY — OY1-0400

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala
Ariz	A-F Associates	385 E. Green St, Pasadena, Cal
Ark	Norvelle Associates	3603 Lemmon Ave, Dallas 19, Tex
Cal	A-F Associates	385 E. Green St, Pasadena, Cal
Cal	Cerruti & Associates	P.O. Box 21, Redwood City, Cal
Colo	Hytronic Measurements Inc	1295 S. Bannock, Denver 23, Colo
Conn	Instrument Dynamics Inc	75 Wilcox Rd, Milford, Conn
Del	L J Daniels Inc	Box 6864, Baltimore 4, Md
DC	L J Daniels Inc	Box 6864, Baltimore 4, Md
Fla	Specialized Electronic Corp	1301 Bayshore Dr, Cocoa Beach, Fla
Ga	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala
Idaho	Comptronics	2 Hanford St, Seattle 4, Wash
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind
Iowa	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill
Kan	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill
Ky	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind
La	Norvelle Associates	3603 Lemmon Ave, Dallas 19, Tex
Me	Instruments Dynamics Inc	75 Wilcox Rd, Milford, Conn
Md	L J Daniels Inc	P.O. Box 6864, Baltimore 4, Md
Mass	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill
Mich	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis 27,
Miss	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala
Mo	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind
Mont	Comptronics	2 Hanford St, Seattle 4, Wash
Neb	Hugh Marsland & Co	231 N. Edgewood Ave, Minnols 27, Minn
Nev	Cerruti & Associates	Box 509, Redwood City, Cal
NH	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
NH	Instrument Dynamics Inc	75 Wilcox Rd, Milford, Conn
NJ	B B Taylor Corp	2270 Grand Ave, Baldwin, NY
NJ	S&S Associates Inc	780 W. DeKalb, King Of Prussia, Pa
NM	Hytronic Measurements Inc	Box 8394, Sta C, Albuquerque, NM
NY	B B Taylor Corp	2270 Grand Ave, Baldwin, NY
NC	Specialized Electronic Corp	529 N. 18th St, Birmingham 5, Ala
ND	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind
Ohio	M P Odell Co	26614 Center Ridge Rd. Westlake. Ohio
Ohio	M P Odell Co	2676 Salem Ave, Dayton 6, Ohio
Okla	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex
Ore	Comptronics	2 Hanford St, Seattle 4, Wash
Pa	M P Odell Co	750 Penn Ave, Pittsburgh 21, Pa
Pa	S & S Associates Inc	780 W. DeKalb, King of Prussia, Pa
RI	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
SC	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala
SD	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind
Tenn	Specialized Electronic Corp	529 N. 18th St, Birmingham, Ala
Tex	Norvelle Associates	3603 Lemmon Ave, Dallas 19, Tex
Utah	Hytronic Measurements Inc	2022 S. Main St, Salt Lake City 15, Utah
Vt	Instrument Dynamics Inc	11 Albion St, Wakefield, Mass
Wash	Comptronics	2 Hanford St, Seattle 4, Wash
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill
Wyo	Hytronic Measurements Inc	1295 S. Bannock, Denver 23, Colo
Foreign	Electronics Mfgrs Export Co	127 Grace St, Plainview, NY
Canada	Tecneek Associates	1405 Bishop St, Montreal 25, Canada

TRION INC — 1000 Island Ave, McKees Rocks, Pa — FE1-3300

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ariz	Norman S Wright & Co	2641 E. Adams St, Phoenix, Ariz
Ark	Allen Bullard Co	509 E. Markham, Little Rock, Ark
Colo	Burke-Pearsall Co	120 W. 5th Ave, Denver 4, Colo
Conn	Bernard M Packtor Co	P.O. Box 2988, Westville Sta, New Haven
DC	Clifford S Stephens	3201 Wisconsin Ave, Wash 16, DC
Fla	Sanders & Hollander	P.O. Box 56, Little River Sta, Miami 38
Ga	Lawrence Clayton	1058 Dean Dr, N.W., Atlanta 18, Ga
Ga	Walter Strickland Co	152 Ellis St, N.E., Atlanta 3, Ga
Hawaii	Air Cond Co of Hawaii	420 Keawe St, Honolulu 2, Hawaii
Ill	Vesco Inc	1515 Cullerton St, Chicago 8, Ill
Ind	Wm M Shank Co	5820 Evanston Ave, Indianapolis 20, Ind
Ind	Law Instrument Co	1217 E. 3rd St, Mishawaka, Ind
Iowa	Hubill Co	P.O. Box 264, Bettendorf, Iowa
Kan	Ray F Bauer Co	434 N. Rock Island, Wichita 2, Kan
Ky	R L Craig Co., Inc	195 Colony Way, Lousville 7, Ky
La	Devlin Bros	4424 Earhart Blvd, New Orleans 25, La
Md	John J Barry	501 Keyser Bldg, Baltimore 2, Md
Mass	Homans-Kohler Inc	P.O. Box 132, Sta A, Boston 18, Mass
Me	A E Waligren	P.O. Box 2191, S. Portland, Me
Mich	David S Falk Co	1460 Holden Ave, Detroit 8, Mich
Minn	C L Bensen Co	1961 St. Anthony Ave, St. Paul 4, Minn
Miss	Air Filter Sales & Serv	449 Dory St, Jackson, Miss
Mo	H C Sharp Co	4060 W. Pine Blvd, St. Louis 8, Mo
Neb	Wain Engineering Co	523 Omaha Logan Bldg, Omaha, Neb
NM	Karl W Sweikhardt	P.O. Box 6156, Albuquerque, NM
NY	John B Hewett Co., Inc	219 E. 44th St, New York 17, NY
Ohio	Rupert-Ryan Co	5420 McBride Ave, Cleveland 27, Ohio
Okla	Eldon C Thomas Co	627 1/2 N. W. 2nd, Oklahoma City, Okla
Ore	Ed Lokay & Co	10340 N. E. Sandy Blvd, Portland 20, Ore
Pa	James F Scouler Co	2120 Market St, Harrisburg, Pa
Tenn	T J O'Brien Engineering Co	668 S. Main St, Memphis 5, Tenn
Tex	Harold O Knape & Co	3002 Commerce St, Dallas 26, Tex
Utah	Specialty Sales Co	117 W. 2nd S. St, Salt Lake City 1, Utah
Va	E Glenn Breeden Jr	P.O. Box 8752, Richmond 26, Va
Wash	Clifford S Stephens	3201 Wisconsin Ave, Wash 16, DC
Wash	Pacific Scientific Co	421 Michigan St, Seattle 8, Wash
W. Va	Mason & Barry Inc	P.O. Box 3043, Charleston 31, W. Va
Wisc	Roloff Engineering Co	8407 W. Lisbon Ave, Milwaukee 16, Wisc
Canada	Trion (Canada) Ltd	212 King St, Toronto, Ontario, Canada

TRIONICS CORP — P. O. Box 548, Madison 1, Wisc — CE8-2616

TRIPLETT & BARTON INC — 831 N. Lake St, Burbank, Cal — VI9-1291

TRIPLETT ELEC INSTRUMENT CO — Harmon Rd, Bluffton, Ohio — 3231

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
Alaska	James J Backer Co	221 W. Galer St, Seattle 99, Wash
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz
Ark	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex
Cal	Howard M Saul & Associates	5015 San Vicente Blvd, Los Angeles 19
Colo	Gates Co	200 S. Main St, Salt Lake City 1, Utah
Conn	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
Del	Massey Associates	529 Brookhurst Ave, Narberth, Pa
DC	Massey Associates	111 Centerway, Greenbelt, Md
Fla	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
Ga	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
Hawaii	Jim Hastin Sales Co	235 Cooke St, Honolulu 5, Hawaii
Idaho	James J Backer Co	221 W. Galer St, Seattle 99, Wash
Ill	Knoblock & Malone	1603 N. Newland Ave, Chicago 35, Ill
Ind	Walter W Bieberich	2817 Plaza Dr, Ft. Wayne 5, Ind
Iowa	Knoblock & Malone	1603 N. Newland Ave, Chicago 35, Ill
Iowa	The Hermann Co	1711 Hawthorne Ave, Minneapolis 3, Minn
Kan	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo
Ky	Walter W Bieberich	2817 Plaza Dr, Ft. Wayne 5, Ind
La	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex
Me	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
Md	Massey Associates	111 Centerway, Greenbelt, Md
Mass	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
Mich	ABM Sales Co	10116 Puritan Ave, Detroit, Mich
Minn	The Hermann Co	1711 Hawthorne Ave, Minneapolis 3, Minn
Miss	Crockett Sales Co	2204 Griffin St, Dallas 2, Tex
Mo	H A Roes & Co	2601 Cherry St, Kansas City 8, Mo
Mont	James J Backer Co	221 W. Galer St, Seattle 99, Wash
Neb	H A Roes	2601 Cherry St, Kansas City 8, Mo
Nev	Moultrop & Hunter	165 11th St, San Francisco 3, Cal
NH	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
NJ	D F Tobias & Co., Inc	30 Church St, New York 7, NY
NM	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz
NY	D F Tobias & Co., Inc	30 Church St, New York 7, NY
NY	Frank W Taylor Co	4505 E. Genesee St, Dewitt 14, NY
NC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
ND	The Hermann Co	1711 Hawthorne Ave, Minneapolis 3, Minn
Ohio	Chas H Dolfuss Jr & Co	2108 Payne Ave, Cleveland 14, Ohio
Okla	Lund & Co	2215 N. Olive St, Dallas 2, Tex
Ore	James J Backer Co	221 W. Galer St, Seattle 99, Wash
Pa	Massey Associates	529 Brookhurst Ave, Narberth, Pa
RI	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
SC	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
SD	The Hermann Co	1711 Hawthorne Ave, Minneapolis 3, Minn
Tenn	James Millar Associates	1036 Peachtree St, N.E., Atlanta 9, Ga
Tex	Lund & Co	2215 N. Olive St, Dallas 2, Tex
Utah	Gates Co	200 S. Main St, Salt Lake City 1, Utah
Vt	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI
Va	Massey Associates	111 Centerway, Greenbelt, Md
Wash	James J Backer Co	221 W. Galer St, Seattle 99, Wash
W. Va	Gene Root & Co	733 Valley View Ave, Pittsburgh 34, Pa
Wisc	Knoblock & Malone	1603 N. Newland Ave, Chicago 35, Ill
Wisc	The Hermann Co	1711 Hawthorne Ave, Minneapolis 3, Minn
Wyo	Gates Co	200 S. Main St, Salt Lake City 1, Utah

TRIPL-T CO ELECTRONICS — 1260 Encino Dr, San Marino, Cal — SY2-7607

TRI-POINT PLASTICS INC — 175 E.U. Willets Rd, Albertson, NY — MA1-5800

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Conn	Joseph Cannon	155 Clearfield Rd, Wethersfield, Conn
Fla	W C Klingel	15328 Harbor Dr, St. Petersburg, Fla
Ga	W C Klingel	15328 Harbor Dr, St. Petersburg, Fla
Ill	Lester Smetana	5306 W. Laurence Ave, Chicago 3, Ill
Kan	Gus Vasen	8005 Ensly Ln, Kansas City, Mo
Mass	Joseph Cannon	155 Clearfield Rd, Wethersfield, Conn
Minn	Fred Peterson	2431 Hennepin Ave, Minneapolis, Minn

TRI-TRONICS CO — 2607 St. Charles Rd, Bellwood, Ill — LI4-7010

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Conn	Arthur T Hatton & Co	1000 Farmington, W. Hartford 7, Conn
Del	Howard C Buerger Co	Glenside & Rices Mill Rd, Wyncote, Pa
DC	Howard C Buerger Co	Glenside & Rices Mill Rd, Wyncote, Pa
Ill	Dwight Smith & Associates	9 S. River St, Aurora, Ill
Ind	Rockford Controls Co	Box 671, Glen Ellyn, Ill
Iowa	Kelly, Schmitz & Winkler	3938 Lindell Blvd, St. Louis 8, Mo
Mass	Arthur T Hatton Co	1000 Farmington, W. Hartford 7, Conn
Mo	Kelly, Schmitz & Winkler	3938 Lindell Blvd, St. Louis 8, Mo
NH	Arthur T Hatton Co	1000 Farmington, W. Hartford 7, Conn
NJ	Howard C Buerger Co	Glenside & Rices Mill Rd, Wyncote, Pa
Ohio	Rockford Controls Co	21877 Euclid Ave, Cleveland 17, Ohio
Pa	Howard C Buerger	Glenside & Rices Mill Rd, Wyncote, Pa
RI	Arthur T Hatton Co	1000 Farmington, W. Hartford 7, Conn
Wisc	Dwight Smith & Associates	9 S. River St, Aurora, Ill

TROTT ELECTRONICS INC — 412 Smith St, Rochester 8, NY — HA6-0150

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NY	John Lazor	26 Collingham Rd, New York, NY

TROUGHT ASSOCIATES INC — 116 Greylock Ave, Belleville, NJ — PL1-0330

TRU-CONNECTOR CORP — 416 Union St, Lynn, Mass — LY8-9379

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Perrott Associates	2701 Wright Ave, Orlando, Fla
Alaska	Richard Legg Co	1633 N.W. 21 Ave, Portland, Ore
Ariz	Shefler-Kahn Co	P.O. Box 1587, Phoenix, Ariz
Cal	William J Purdy Co	312 7th St, San Francisco, Cal
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal
Del	Ansell Engineering	11212 Grandview Ave, Silver Spring, Md
DC	Ansell Engineering	11212 Grandview Ave, Silver Spring, Md
Fla	Perrott Associates	2701 Wright Ave, Orlando, Fla
Ga	Perrott Associates	2701 Wright Ave, Orlando, Fla
Idaho	Richard Legg Co	1633 N.W. 21 Ave, Portland, Ore
Ill	Ringland M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill
Ind	R G Frederick Co	1601 Hanna St, Ft. Wayne, Ind
Md	Ansell Engineering	11212 Grandview Ave, Silver Spring, Md
Mich	R S Lohman Co	12730 Fenkell, Detroit, Mich
Mont	Richard Legg Co	1633 N.W. 21 Ave, Portland, Ore
NY	R W Mitcher Co., Inc	Elliott Square Bldg, Buffalo, NY
NY	Cooper-DiBlasi	90 Main St, Port Washington, NY
Ore	Richard Legg Co	1633 N.W. 21st Ave, Portland, Ore
Pa	Richard Cooper	3507 Wellington St, Philadelphia, Pa
Va	Ansell Engineering	11212 Grandview Ave, Silver Spring, Md
Wash	Richard Legg Co	1633 N.W. 21 Ave, Portland, Ore

TRU-OHM PRODUCTS DIV MODEL ENG & MFG INC — 2800 N. Milwaukee Ave, Chicago 18, Ill — EV4-2646

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Alaska	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash
Ariz	Jack Berman Co	1141 S. La Cienega Blvd, L A 35, Cal
Ark	Branum Sales Inc	2334 Havenhurst, Dallas 34, Tex
Cal	Jack Berman Co	1141 S. La Cienega Blvd, L A 35, Cal
Cal	David H Ross & Co	534 El Camino Real, San Carlos, Cal
Conn	Anderson Sales Co	177 State St, Boston 9, Mass
Del	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
Del	John Mustico Co	312 Bewley Rd, Havertown, Pa
DC	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
DC	John Mustico Co	312 Bewley Rd, Havertown, Pa
Fla	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Ga	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Hawaii	David H Ross & Co	534 El Camino Real, San Carlos, Cal
Ill	Langhaus-Levy Associates	5317 S. Cottage Grove, Chicago 15, Ill
Ind	F E Menze	729 W. Packard Ave, Ft. Wayne, Ind
Iowa	W E Fry & Co	406 W. 34th St, Kansas City, Mo
Kan	W E Fry & Co	406 W. 34th St, Kansas City, Mo
Ky	F E Menze	729 W. Packard Ave, Ft. Wayne, Ind
La	Branum Sales Inc	2334 Havenhurst, Dallas 34, Tex
Me	Anderson Sales Co	177 State St, Boston 9, Mass
Md	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
Md	John Mustico Co	312 Bewley Rd, Havertown, Pa
Mass	Anderson Sales Co	177 State St, Boston 9, Mass
Mich	R C Merchant Co., Inc	18411 W. McNichols, Detroit 19, Mich
Minn	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn
Miss	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Mo	W E Fry & Co	406 W. 34th St, Kansas City, Mo
Neb	W E Fry & Co	406 W. 34th St, Kansas City, Mo
Nev	Jack Berman Co	1141 S. La Cienega Blvd, L A 35, Cal
NH	Anderson Sales Co	177 State St, Boston 9, Mass
NJ	O F Mesin Co	1 Wolff's Ln, Pelham NY
NJ	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
NM	John Mustico Co	312 Bewley Rd, Havertown, Pa
NY	Holliday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ
NY	O F Mesin Co	1 Wolff's Ln, Pelham, NY
NC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
ND	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn
Ohio	Arthur H Bauer Co	12417 Cedar Rd, Cleveland 6, Ohio
Okla	Branum Sales Inc	2334 Havenhurst, Dallas 34, Tex
Ore	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash
Pa	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
Pa	John Mustico Co	312 Bewley Rd, Havertown, Pa
RI	Anderson Sales Co	177 State St, Boston 9, Mass
SC	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
SD	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn
Tenn	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Tex	Branum Sales Inc	2334 Havenhurst, Dallas 34, Tex
Vt	Anderson Sales Co	177 State St, Boston 9, Mass
Va	Floyd Fausett & Co	777 Pinehurst Terr, S.W., Atlanta 10, Ga
Va	Andrew A Foley Associates	P.O. Box 155, Moorestown, NJ
Wash	Jas J Backer Co	221 W. Galer St, Seattle 99, Wash
Wisc	Ken Stevnke Sales	7731 W. Morgan Ave, Milwaukee, Wisc
Canada	A T R Armstrong	Box 38, Sta D, Toronto 9, Ont, Canada

TRUTONE ELECTRONICS INC — 6912 Santa Monica Blvd, L A 38, Cal — HO4-8118

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Ed W Brandt	1112 Folsom St, San Francisco, Cal

TRYGON ELECTRONICS INC — 111 Pleasant Ave, Roosevelt, NY — FR8-2800

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Specialized Electronics	529 N. 18th St, Birmingham, Ala
Ariz	Dyna Sales	4645 E. Olympic Blvd, Los Angeles, Cal
Cal	Dyna Sales	4645 E. Olympic Blvd, Los Angeles, Cal
Cal	Long & Associates	Redwood City, Cal

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	R F MacDowell Co., Inc.	58 Orient Ave, Melrose 76, Mass	NO5-8893
Del	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
DC	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
Fla	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Ga	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Hawaii	Long & Associates	Redwood City, Cal	EM3-3324
Me	R F MacDowell Co., Inc.	58 Orient Ave, Melrose 76, Mass	NO5-8893
Md	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
Mass	R F MacDowell Co., Inc	58 Orient Ave, Melrose 76, Mass	NO5-8893
NH	R F MacDowell Co., Inc.	58 Orient Ave, Melrose 76, Mass	NO5-8893
NJ	Bradley Associates	215 W. 88th St, New York, NY	SU7-7227
NM	Dyna Sales	4645 E. Olympic Blvd, Los Angeles, Cal	AN8-3814
NY	Bradley Associates	215 W. 88th St, New York, NY	SU7-7227
NY	J A Reagan Co	45 N. Lake Ave, Albany, NY	HE6-9649
NC	Specialized Electronics	829 N. 18th St, Birmingham, Ala	FA4-1615
Pa	C E Snow Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8043
RI	R F MacDowell Co., Inc	58 Orient Ave, Melrose 76, Mass	NO5-8893
SC	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Vt	R F MacDowell Co	58 Orient Ave, Melrose 76, Mass	NO5-8893
Va	C E Snow Co	8218 Wisconsin Ave, Bethesda, Md	OL4-1767
Foreign	Henley Co., Inc	202 E. 44th St, New York, NY	YU6-5544
	TUBULAR RIVET & STUD CO	**Weston Ave, Quincy 70, Mass**	**PR3-1776**
Ala	C M Sallee & Associates	P.O. Box 3595, Atlanta 16, Ga	BU9-8597
Ariz	Tubular Rivet & Stud Co	401 Via De La Paz, Pacific Palisades, Cal	GL4-7272
Ark	Cavert & Lipscomb	1127 Kirby Bldg, Dallas 1, Tex	RI7-6202
Cal	Tubular Rivet & Stud Co	401 Via De La Paz, Pacific Palisades, Cal	GL4-7272
Colo	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Conn	William H Browne	53 Reed St, Rockville, Conn	TR5-1294
Del	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
DC	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
Fla	C M Sallee & Associates	P.O. Box 3595, Atlanta 16, Ga	BU9-8597
Ga	C M Sallee & Associates	P.O. Box 3595, Atlanta 16, Ga	BU9-8597
Idaho	D A Olson Co	420 E. 45th St, Seattle, Wash	ME3-4133
Ill	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Ill	Tubular Rivet & Stud Co	322 Chamber of Comm Bldg, Indpls 4, Ind	ME5-3748
Ill	Tubular Rivet & Stud Co	4378 Lindell Blvd, St. Louis 8, Mo	JE5-3122
Ind	Tubular Rivet & Stud Co	322 Chamber of Comm Bldg, Indpls 4, Ind	ME5-3748
Iowa	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Kan	Tubular Rivet & Stud Co	4378 Lindell Blvd, St. Louis 8, Mo	JE5-3122
Ky	Tubular Rivet & Stud Co	322 Chamber of Comm Bldg, Indpls 4, Ind	ME5-3748
Ky	Tubular Rivet & Stud Co	4378 Lindell Blvd, St. Louis 8, Mo	JE5-3122
La	Cavert & Lipscomb	1127 Kirby Bldg, Dallas 1, Tex	RI7-6202
Md	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
Mich	Tubular Rivet & Stud Co	8830 W. McNichols Rd, Detroit 21, Mich	UN3-8954
Minn	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Miss	C M Sallee & Associates	P.O. Box 3595, Atlanta 16, Ga	BU9-8597
Mo	Tubular Rivet & Stud Co	4378 Lindell Blvd, St. Louis 8, Mo	JE5-3122
Mont	D A Olson Co	420 E. 45th St, Seattle, Wash	ME3-4133
Neb	Tubular Rivet & Stud Co	4378 Lindell Blvd, St. Louis 8, Mo	JE5-3122
Nev	Tubular Rivet & Stud Co	401 Via De La Paz, Pac Palisades, Cal	GL4-7272
NJ	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
NM	Cavert & Lipscomb	1127 Kirby Bldg, Dallas 1, Tex	RI7-6202
NY	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
NC	J A Rudisill	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
ND	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Ohio	Tubular Rivet & Stud Co	322 Chamber of Comm Bldg, Ind 4, Ind	ME5-3748
Ohio	Tubular Rivet & Stud Co	21877 Euclid Ave, Cleveland 17, Ohio	IV6-5205
Okla	Cavert & Lipscomb	1127 Kirby Bldg, Dallas 1, Tex	RI7-6202
Ore	D A Olson Co	420 E. 45th St, Seattle, Wash	ME3-4133
Pa	Tubular Rivet & Stud Co	11 Park Pl, New York 7, NY	WO2-3553
SC	J A Rudisill	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
SD	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Tenn	C M Sallee & Associates	P.O. Box 3595, Atlanta 16, Ga	BU9-8597
Tex	Cavert & Lipscomb	1127 Kirby Bldg, Dallas 1, Tex	RI7-6202
Utah	Tubular Rivet & Stud Co	401 Via De La Paz, Pac Palisades, Cal	GL4-7272
Va	J A Rudisill	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Wash	D A Olson Co	420 E. 45th St, Seattle, Wash	ME3-4133
Wisc	Tubular Rivet & Stud Co	6610 W. Dakin St, Chicago 34, Ill	PE6-7472
Wyo	D A Olson Co	420 E. 45th St, Seattle, Wash	ME3-4133
	TUCOR INC	**18 Marshall St, South Norwalk, Conn**	**TE8-7591**
Cal	Wright Engineering Co	180 E. California Blvd, Pasadena	MU1-8488
Conn	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
Del	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
DC	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
Ill	Loren F Green Associates	5218 W. Diversey Ave, Chicago, Ill	AV6-6824
Iowa	Loren F Green Associates	5218 W. Diversey Ave, Chicago, Ill	AV6-6824
Me	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
Md	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
Mass	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
NH	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
NJ	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
NY	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
NY	D B Associates	Box 284, DeWitt, Syracuse, NY	GI6-0220
Ohio	Robert O Whiteseil & Associates	2209 Losantiville Ave, Cincinnati	ME1-9210
Pa	Arthur M Rothman	37-20 87th St, Jackson Hts 72, NY	IL8-2555
RI	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
Vt	Geo Gostenhofer Associates	7 Wellington St, Waltham, Mass	TW4-9500
	TUCSON INSTRUMENT CORP	**P. O. Box 11247, Tucson 2, Ariz**	**MA2-1092**
Ariz	Gramer & Co	444 W. Camelback, Phoenix, Ariz	CR9-1231
Cal	TIC of Cal	815 Lawrence Blvd, Newbury Park, Cal	HU5-2615
Colo	Landes Zachary & Peterson	601 S. Jason St, Denver, Colo	
Idaho	Landes Zachary & Peterson	601 S. Jason St, Denver, Colo	SH4-1311
Mont	Landes Zachary & Peterson	601 S. Jason St, Denver, Colo	SH4-1311
NM	Landes Zachary & Peterson	5900 Domingo, Albuquerque, NM	AL6-9449
Utah	Landes Zachary & Peterson	2501 S. State St, Salt Lake City, Utah	HU7-7873
Wyo	Landes Zachary & Peterson	601 S. Jason St, Denver, Colo	SH4-1311
	TULLAMORE ELECTRONICS CORP	**6055 S. Ashland Ave, Chicago 36, Ill**	**RE7-6797**
	TUNG-SOL ELECTRIC INC	**1 Summer Ave, Newark 4, NJ**	**HU4-8500**
Ala	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
Ariz	Tung-Sol Sales Corp	8575 Washington Blvd, Culver City, Cal	UP0-8711
Ark	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Cal	Tung-Sol Sales Corp	8575 Washington Blvd, Culver City, Cal	UP0-8711
Colo	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
Conn	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Del	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
DC	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Fla	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
Ga	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
Hawaii	Tung-Sol Sales Corp	8575 Washington Blvd, Culver City, Cal	UP0-8711
Idaho	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
Ill	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Ind	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Iowa	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Kan	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Ky	Tung-Sol Sales Corp	755 W. Goodale Blvd, Columbus, Ohio	CA8-5494
La	The Branum Co	2334 Havenhurst St, Dallas 34, Tex	CH7-7128
Me	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Md	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Mass	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Mich	Tung-Sol Sales Corp	755 W. Goodale Blvd, Columbus, Ohio	CA8-5494
Minn	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Miss	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
Mo	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Mont	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
Neb	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
Neb	Tung-Sol Sales Corp	1975 Hawthorne, Melrose Park, Ill	CO1-4483
Nev	Tung-Sol Sales Corp	8575 Washington Blvd, Culver City, Cal	UP0-8711
NH	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
NJ	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
NM	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
NY	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
NC	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
ND	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Ohio	Tung-Sol Sales Corp	755 W. Goodale Blvd, Columbus, Ohio	CA8-5494
Okla	The Branum Co	2334 Havenhurst St, Dallas 34, Tex	CH7-7128
Ore	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
Pa	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Pa	Tung-Sol Sales Corp	755 W. Goodale Blvd, Columbus, Ohio	CA8-5494
RI	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
SC	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
SD	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Tenn	Tung-Sol Sales Corp	1859 Cheshire Br Rd, N.E., Atlanta, Ga	TR6-0739
Tex	The Branum Co	2334 Havenhurst St, Dallas 34, Tex	CH7-7128
Utah	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
Vt	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Va	Tung-Sol Sales Corp	517 Lyons Ave, Irvington 11, NJ	HU4-8500
Wash	Ron Merritt Co	1320 Prospect St, Seattle 9, Wash	MU2-7337
W. Va	Tung-Sol Sales Corp	755 W. Goodale Blvd, Columbus, Ohio	CA8-5494
Wisc	Tung-Sol Sales Corp	1975 N.Hawthorne, Melrose Park, Ill	CO1-4483
Wyo	James H Blinn Co	841 Delaware St, Denver 4, Colo	KE4-8131
	TUR-BO JET PRODUCTS INC	**424 S. San Gabriel Blvd, San Gabriel, Cal**	**CU3-5191**
	TURBO MACHINE CO	**840 W. Main St, Lansdale, Pa**	**UL5-5131**
	TURNER CO	**909 17 St, N.E., Cedar Rapids, Iowa**	**EM3-8144**
Ala	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Alaska	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
Ariz	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
Ark	Ernest L Wilks Co	1212 Camp St, Dallas, Tex	RI7-2637
Cal	Lozan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Cal	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
Colo	Gordon Moss Electronics	Box 428, Greeley, Colo	EL3-1452
Conn	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Del	Wm Frederick	800 W. Washington St, Norristown, Pa	BR9-7560
DC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Idaho	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
Ill	Lanshaus-Levy Associates	5317 S.Cottage Grove, Chicago, Ill	DO3-5344
Ind	Morris-Cunningham & Associates	6208 N.College Ave, Indianapolis, Ind	
Iowa	Paul G Scholz Co	Box 9621, Hickman Mills, Mo	SO1-6757
Kan	Paul G Scholz Co	Box 9621, Hickman Mills, Mo	SO1-6757
Ky	Morris-Cunningham & Associates	6208 N.College Ave, Indianapolis, Ind	
La	Ernest L Wilks	1212 Camp St, Dallas, Tex	RI7-2637
Me	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Md	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Mass	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Mich	Martin Voet	1328 Maxwell Ave, Royal Oak, Mich	LI1-1192
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Miss	Al S Engelman	3205 Crump Ave, Memphis, Tenn	GL6-6263
Mo	Paul G Scholz	Box 9621, Hickman Mills, Mo	SO1-6757
Mont	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
Neb	Paul G Scholz	Box 9621, Hickman Mills, Mo	SO1-6757
Nev	Lozan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
NH	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
NJ	Willpold Electronic Sales	100 N.Village, Rockville Centre, NY	RO4-4022
NJ	Wm Frederick	800 W.Washington St, Norristown, Pa	BR9-7560
NM	Gordon Moss Electronics	Box 428, Greeley, Colo	EL3-1452
NY	Willpold Electronic Sales	100 N.Village, Rockville Centre	RO4-4022
NC	Morris F Taylor Co	9431 Georgia Ave, Silver Spring, Md	JU9-4002
ND	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Ohio	Les A Morrow Co	3123 W. 117th St, Cleveland, Ohio	CL1-5700
Okla	Ernest L Wilks Co	1212 Camp St, Dallas 2, Tex	RI7-2637
Ore	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
Pa	James H Podolny	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Pa	Wm Frederick	800 W.Washington St, Norristown, Pa	BR9-7560
RI	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
SC	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
SD	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Tenn	Al S Engelman	3205 Crump Ave, Memphis, Tenn	GL6-6263
Tex	Ernest L Wilks	1212 Camp St, Dallas, Tex	RI7-2637
Utah	Gordon Moss Electronics	Box 428, Greeley, Colo	EL3-1452
Vt	Abbett & Hustis	1245 Highland Ave, Needham, Mass	HI4-5470
Va	Morris F Taylor	9431 Georgia Ave, Silver Spring, Md	JU9-4002
Wash	Don Kohler	11532 4th Ave, N.E., Seattle, Wash	
W Va	James H Podolny	5912 Penn Ave, Pittsburgh, Pa	HI1-0800
Wisc	Lanshaus-Levy Associates	5317 S. Cottage Grove, Chicago, Ill	DO3-5344
Wyo	Gordon Moss Electronics	Box 428, Greeley, Colo	EL3-1452
Foreign	Ad Auriema Inc	85 Broad St, New York, NY	BO9-7751
NY	Harbett Sales	9 Maiden Ln, New York 7, NY	BE3-5430
	TURNER CORP	**821 Park Ave, Sycamore, Ill**	**SY4545**
Cal	F L Menko	205 Johnstone Dr, San Rafael, Cal	EL6-4729
Cal	R L Junberg	1228 A 18th St, Santa Monica, Cal	
Cal	R P Hoffman	3728 Tilden Ave, Los Angeles, Cal	VE9-3793
Ill	R E Davis	821 Park Ave, Sycamore, Ill	4545
Ill	L E McMillin	22-34 N. 76th Ct, Elmwood Park, Ill	GL6-6094
Ill	B W Nitz	952 W. Main St, Genoa, Ill	4-3371
Mass	J J Cloonan	113 Azalea Dr, Norwood, Mass	NO7-7802
Mich	A W Zelda	21820 Blackburn, St. Clair Shores, Mich	PR2-9278
Mo	P E Rosenbaum	12309 E. 47 Terr, Independence, Mo	FL3-1816
NY	D Smith Jr	226-17 Kingsbury Ave, Bayside, L I, NY	SP5-5875
NY	C S Stiter	2 Colony Circle, Camillus, NY	HO6-0237
NC	R R Griffin Jr	1206 Graig Ave, Gastonia, NC	UN5-5792
Ohio	J G Payer Jr	8752 Neptune Dr, Mt. Healthy, Ohio	WE1-0621
Ohio	E F Domin	7606 Charlton Circle, Northfield	IN7-7802
Pa	J R Bulmer	Box 130, Wexford, Pa	WE5-2973
Pa	C L Brown	412 Linden Ave, Glenside, Pa	TU7-1841
Tenn	J C Agneta	5351 Brenton Ave, Memphis, Tenn	MU5-1310
Tex	L B Strange	2713 Hanover St, Dallas, Tex	EM1-66584
	TY TOWER MFG CO	**1-3 W. Diamond Ave, Hazleton, Pa**	
	TWENTIETH CENTURY ELECTRONICS LTD CENTRONICS WORKS	**King Henry's Dr, New Addington, Surrey, England**	**LO2121**
	TWENTY FIRST CENTURY ELECTRONICS INC	**P.O. Box 2326, Riverside, Cal**	**OV8-0780**
NY	Harbett Sales	9 Maiden Ln, New York 7, NY	BE3-5430
	TWIN CITY METALSEAL CORP	**801 S.E. 8th St, Minneapolis 14, Minn**	**FE9-7701**
	TWIN LOCK INC	**1024 W. Hillcrest, Inglewood, Cal**	**OR8-4773**
Cal	Lee Ford & Associates	3101 Washington Blvd, Venice, Cal	EX8-3214
Cal	Key Electronic Inc	8533 Sunset Blvd, Hollywood, Cal	OL5-9140
Cal	Jerry Deere	1575 Laurel St, San Carlos, Cal	LY1-4423
Colo	Vanson Associates	3600 S. Lincoln, Englewood, Colo	SU9-2851
Fla	Perrott Associates	1224 E. Colonial Dr, Orlando, Fla	GA4-5744
Ind	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	EA3917
Md	R B Barnhill & Associates	19 W. Pennsylvania Ave, Towson, Md	VA5-3431
Mo	Zak-Cowen & Associates Inc	7730 Carondelet, St. Louis 5, Mo	PA7-8559
NJ	Waid Research Inc	566 Broad St, Glen Rock, NJ	OL2-5930
Ohio	Edwards-Lonse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753
Tex	Frank Lieberman & Associates Inc	6005 Northwood Rd, Dallas 25, Tex	EM3-3452
Wisc	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee, Wisc	LI5-4686
	TYLER CO., W S	**3520 Superior Ave, Cleveland 14, Ohio**	**HE1-5400**
Ala	John M Craig	P. O. Box 5992, Birmingham 9, Ala	TR1-8782
Ariz	W S Tyler Co	3540 Wilshire Blvd, Los Angeles 5, Cal	DU1-2101
Ark	W S Tyler Co	Republic Natl Bank Bldg, Dallas, Tex	RI2-6720
Cal	W S Tyler Co	3540 Wilshire Blvd, Los Angeles 5, Cal	DU1-2101
Cal	W S Tyler Co	Russ Bldg, San Francisco 4, Cal	SU1-1460
Colo	J L Peterson	81 E. 7th S., Salt Lake City 11, Utah	EM4-1733
Conn	W S Tyler Co	750 3rd Ave, New York 17, NY	YU6-9070
Del	W S Tyler Co	Phila Natl Bank Bldg, Phila, Pa	LO3-6055
DC	W S Tyler Co	Phila Natl Bank Bldg, Phila, Pa	LO3-6055
Fla	W S Tyler Co	Hurt Bldg, Atlanta 3, Ga	MU8-2504
Ga	W S Tyler Co	Hurt Bldg, Atlanta 3, Ga	MU8-2504
Idaho	J L Peterson	81 E. 7th S., Salt Lake City 11, Utah	EM4-1733
Ill	W S Tyler Co	6 N.Michigan Ave, Chicago 2, Ill	CE6-7440
Ind	W S Tyler Co	6 N.Michigan Ave, Chicago 2, Ill	CE6-7440
Iowa	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Kan	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
La	John M Craig	P. O. Box 5992, Birmingham 9, Ala	TR1-8782
Me	W S Tyler Co	Statler Bldg, Boston 16, Mass	HA6-0401
Md	W W King	803 Kingston Rd, Baltimore 12, Md	DR7-6622
Mass	W S Tyler Co	Statler Bldg, Boston 16, Mass	HA6-0401
Minn	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Miss	John M Craig	P. O. Box 5992, Birmingham 9, Ala	TR1-8782
Mo	W S Tyler Co	6 N.Michigan Ave, Chicago 2, Ill	CE6-7440
Mont	J L Peterson	81 E. 7th S., Salt Lake City 11, Utah	EM4-1733
Neb	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Nev	W S Tyler Co	3540 Wilshire Blvd, Los Angeles 5, Cal	DU1-2101

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
NH	W S Tyler Co	Statler Bldg, Boston 16, Mass	HA6-0401
NJ	W S Tyler Co	750 3rd Ave, New York 17, NY	YU6-9070
NM	W S Tyler Co	3540 Wilshire Blvd, Los Angeles 5, Cal	DU1-2101
NY	W S Tyler Co	750 3rd Ave, New York 17, NY	YU6-9070
NC	W S Tyler Co	Hurt Bldg, Atlanta 3, Ga	MU8-2504
ND	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Okla	W S Tyler Co	Republic Natl Bank Bldg, Dallas, Tex	RI2-6720
Ore	W S Tyler Co	Russ Bldg, San Francisco 4, Cal	SU1-1460
Pa	H F Lawrence	5506 5th Ave, Pittsburgh 32, Pa	MU1-6399
Pa	W S Tyler Co	Phila Natl Bank Bldg, Phila, Pa	LO3-6055
RI	W S Tyler Co	Statler Bldg, Boston 16, Mass	HA6-0401
SC	W S Tyler Co	Hurt Bldg, Atlanta 3, Ga	MU8-2504
SD	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Tenn	W S Tyler Co	Hurt Bldg, Atlanta 3, Ga	MU8-2504
Tex	W S Tyler Co	Republic Natl Bank Bldg, Dallas, Tex	RI2-6720
Utah	J L Peterson	81 E. 7th S., Salt Lake City 11, Utah	EM4-1733
Vt	W S Tyler Co	Statler Bldg, Boston 16, Mass	HA6-0401
Va	W S Tyler Co	Phila Natl Bank Bldg, Phila, Pa	LO3-6055
Wash	W S Tyler Co	Russ Bldg, San Francisco 4, Cal	SU1-1460
W. Va	H F Lawrence	5506 5th Ave, Pittsburgh 32, Pa	MU1-6399
Wisc	V A Kaufman	4915 1st Ave, S., Minneapolis, Minn	TA3-0848
Wyo	J L Peterson	81 E. 7th S., Salt Lake City 11, Utah	EM4-1733
	U B S CHEMICAL CO DIV A E STALEY	**491 Main St, Cambridge, Mass**	**UN4-7300**
Cal	Saltzberg	8161 W. 3rd St, Los Angeles, Cal	
Cal	Everitt & Ray Inc	1556 Industrial St, Los Angeles 21, Cal	MA7-7446
Del	Dalton & Couig	32 Benning Rd, Claymont, Del	SY8-3139
DC	Dalton & Couig	32 Benning Rd, Claymont, Del	SY8-3139
Ga	Byrd Miller	UBS Chemical Corp, Mauldin, SC	WO3-4611
Ill	George Thurman	253 W. Crystal Ave, Lombard, Ill	MA7-6106
Ill	U B S Chemical	P.O. Box 117, Lemont, Ill	
Ill	U B S Chemical	4616 Augusta Blvd, Chicago, Ill	
Ind	George Thurman	253 W. Crystal Ave, Lombard, Ill	MA7-6106
Iowa	George Thurman	253 W. Crystal Ave, Lombard, Ill	MA7-6106
Me	Daniel J Butler	P.O. Box 11, Auburn, Me	
Me	Bertram Dayton	17 Biron Ave, Lewiston, Me	
Md	Dalton & Couig	32 Benning Rd, Claymont, Del	SY8-3139
Mass	E H Pratt	Normandie Rd, Dover, Mass	
Mass	Launcelot Leonard	499 Lebanon Rd, Melrose, Mass	
Minn	George Thurman	253 W. Cyrstal Ave, Lombard, Ill	MA7-6106
Mo	George Thurman	253 W. Crystal Ave, Lombard, Ill	MA7-6106
Mo	Shoe Factory Supplies	1200 S. Grand Blvd, St. Louis 4, Mo	
NH	William Morrissey	2521 N. River Rd, Manchester, NH	
NJ	UBS Chemical Co	117 Liberty St, New York 6, NY	CO7-6521
NY	UBS Chemical Co	117 Liberty St, New York 6, NY	CO7-6521
NY	Edward Howard	P.O. Box 172, Endicott, NY	
NC	UBS Chemical Corp	Mauldin, SC	WO3-4611
Ohio	Ernest Munkacsy	11849 Clifton Blvd, Lakewood 7, Ohio	
Ohio	Paul A Bardon Co	9505 Montgomery Rd, Cincinnati, Ohio	
Pa	Dalton & Couig	32 Benning Rd, Claymont, Del	SY8-3139
Pa	Seymour Shinder	2649 Jefferson St, Harrisburg, Pa	
SC	U B S Chemical	Mauldin, SC	
Va	Dalton & Couig	32 Benning Rd, Claymont, Del	SY8-3139
Wisc	George Thurman	253 W. Crystal Ave, Lombard, Ill	MA7-6106
Wisc	Ward & Kennedy Co	1225 N. Water St, Milwaukee, Wisc	
Canada	Fraser & Davis Ind Supplies Ltd	1504 Sherbrook St, W., Montreal, Quebec, Canada	
Foreign	UBS Chem Corp	117 Liberty St, New York 6, NY	WO2-4794
	U N ALLOY STEEL CORP	**361 Dorchester Ave, Boston 27, Mass**	
	UCINITE CO DIV UCC	**459 Waterfowa St, Newtonville, Mass**	**LA7-8400**
Ala	United Carr Fastener	45 11th St, N.E., Atlanta, Ga	TR4-3026
Ariz	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Ark	United Carr Fastener	1500 Jackson St, Dallas, Tex	RI8-7182
Cal	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Cal	United Carr Fastener	533 Howard St, San Francisco, Cal	YU2-3146
Colo	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Conn	United Carr Fastener	378 Washington St, Wellesley Hills, Mass	CE5-7410
Del	United Carr Fastener	475 5th Ave, New York City, NY	MU5-3932
DC	United Carr Fastener	475 5th Ave, New York City, NY	MU5-3932
Fla	United Carr Fastener	45 11th St, N.E., Atlanta, Ga	TR4-3026
Ga	United Carr Fastener	45 11th St, N.E., Atlanta, Ga	TR4-3026
Idaho	United Carr Fastener	Second & Columbia, Seattle, Wash	MA2-5821
Ill	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Ill	Cinch Mfg. Co	1026 S. Homan Ave, Chicago, Ill	NE2-2200
Ind	United Carr Fastener	35 E. Wacker Drive, Chicago, Ill	FR2-6693
Iowa	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Iowa	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Ky	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
La	United Carr Fastener	45 11th St, N.E., Atlanta, Ga	TR4-3026
La	United Carr Fastener	1500 Jackson St, Dallas, Tex	RI8-7182
Me	United Carr Fastener	378 Washington St, Wellesley Hills, Mass	CE5-7410
Md	United Carr Fastener	475 5th Ave, New York, NY	MU5-3932
Mass	United Carr Fastener	378 Washington St, Wellesley Hills, Mass	CE5-7410
Mich	United Carr Fastener	2632 E. Grand Blvd, Detroit, Mich	TR3-9500
Minn	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Miss	United Carr Fastener	45 11th St, N.E., Atlanta, Ga	TR4-3026
Mo	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Mont	United Carr Fastener	Second & Columbia, Seattle, Wash	MA2-5821
Neb	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Nev	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
NH	United Carr Fastener	378 Washington St, Wellesley Hills, Mass	CE5-7410
NJ	United Carr Fastener	475 5th Ave, New York, NY	MU5-3932
NM	United Carr Fastener	1709 W. 8th, Los Angeles, Cal	HU3-6810
NY	United Carr Fastener	475 5th Ave, New York, NY	MU5-3932
NC	United Carr Fastener	45 11th St N.E., Atlanta, Ga	TR4-3026
ND	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Ohio	United Carr Fastener	1468 W. 9th St, Cleveland, Ohio	TO1-7557
Okla	United Carr Fastener	1500 Jackson St, Dallas, Texas	RI8-7812
Ore	United Carr Fastener	Second & Columbia, Seattle, Wash	MA2-5821
Pa	United Carr Fastener	3701 N. Broad St, Philadelphia, Pa	BA5-4775
RI	United Carr Fastener	378 Washington St, Wellesley Hills, Mass	CE5-7410
SC	United Carr Fastener	45 11th St N.E., Atlanta, Ga	TR4-3026
SD	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Tenn	United Carr Fastener	45 11 St N.E., Atlanta, Ga	TR4-3026
Tex	United Carr Fastener	1500 Jackson St, Dallas, Texas	RI8-7812
Utah	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Vt	United Carr Fastener	378 Wash St, Wellesley Hills, Mass	CE5-7410
Va	United Carr Fastener	475 5th Ave, New York, NY	MU5-3932
Wash	United Carr Fastener	Second & Columbia, Seattle, Wash	MA2-5821
W. Va	United Carr Fastener	1468 W. 9th St, Cleveland, Ohio	TO1-7557
Wisc	United Carr Fastener	35 E. Wacker Dr, Chicago, Ill	FR2-6693
Wyo	United Carr Fastener	1709 W. 8th St, Los Angeles, Cal	HU3-6810
Canada	United Carr Fastener Ltd of Can	Gage Ave & Beach Rd, Hamilton, Ontario	LI4-5791
	ULANET CO., GEORGE	**413 Market St, Newark 5, NJ**	**MA2-4876**
	ULTEK CORP	**920 Commercial St, Palo Alto, Cal**	**DA1-4117**
Ala	Kinney Mfg Div	3668 St. Augustine Rd, Jacksonville, Fla	FL9-7141
Ariz	Kinney Mfg Div	5058 Venice Blvd, L A 19, Cal	WE8-7292
Ark	Kinney Mfg Div	2720 W. Mockingbird Ln, Dallas 35, Tex	FL2-2860
Colo	Kinney Mfg Div	17-19 S. LaGrange Rd, LaGrange, Ill	FL2-1280
Conn	Kinney Mfg Div	30 Church St, New York 7, NY	WO4-8470
Del	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
DC	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
Fla	Kinney Mfg Div	3668 St. Augustine Rd, Jacksonville, Fla	FL9-7141
Ga	Kinney Mfg Div	3668 St. Augustine Rd, Jacksonville, Fla	FL9-7141
Idaho	Kinney Mfg Div	5058 Venice Blvd, L A 19, Cal	WE8-7292
Ill	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Ind	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Iowa	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Kan	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Ky	Kinney Mfg Div	240 E. 305th St, Willowick, Ohio	WH3-6800
La	Kinney Mfg Div	2720 W. Mockingbird Ln, Dallas 35, Tex	FL2-2860
Me	Kinney Mfg Div	3529 Washington St, Boston 30, Mass	JA4-3220
Md	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
Mass	Kinney Mfg Div	3529 Washington St, Boston 30, Mass	JA4-3220
Minn	Kinney Mfg Div	17-19 S. LaGrange Rd, La Grange, Ill	FL2-1280
Mich	Kinney Mfg Div	240 E. 305th St, Willowick, Ohio	WH3-6800
Neb	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Miss	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
Mo	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Mont	Kinney Mfg Div	5058 Venice Blvd, Los Angeles 19, Cal	WE8-7292
Nev	Kinney Mfg Div	5058 Venice Blvd, Los Angeles 19, Cal	WE8-7292
NH	Kinney Mfg Div	3529 Washington St, Boston 30, Mass	JA4-3220
NJ	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
NM	Kinney Mfg Div	5058 Venice Blvd, Los Angeles 19, Cal	WE8-7292
NY	Kinney Mfg Div	30 Church St, New York 7, NY	WO4-8470
NC	Kinney Mfg Div	3668 St. Augustine Rd, Jacksonville, Fla	FL9-7141
ND	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Ohio	Kinney Mfg Div	240 E. 305th St, Willowick, Ohio	WH3-6800
Okla	Kinney Mfg Div	2720 W. Mockingbird Ln, Dallas 35, Tex	FL2-2860
Pa	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
RI	Kinney Mfg Div	30 Church St, New York 7, NY	WO4-8470
SC	Kinney Mfg Div	3668 St. Augustine Rd, Jacksonville, Fla	FL9-7141
SD	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Tenn	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
Tex	Kinney Mfg Div	2720 W. Mockingbird Ln, Dallas 35, Tex	FL2-2860
Utah	Kinney Mfg Div	5058 Venice Blvd, Los Angeles 19, Cal	WE8-7292
Vt	Kinney Mfg Div	3529 Washington St, Boston 30, Mass	JA4-3220
Va	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
W.Va	Kinney Mfg Div	1325 Admiral Wilson, Camden, NJ	WO6-0782
Wisc	Kinney Mfg Div	17-19 S. La Grange Rd, La Grange, Ill	FL2-1280
Wyo	Kinney Mfg Div	5058 Venice Blvd, Los Angeles 19, Cal	WE8-7292
	ULTRADYNE INC	**Box 3308, Albuquerque, NM**	**AM8-2431**
Ala	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta, Ga	
Cal	Meredith Engineering Associates	385 E. Green St, Pasadena, Cal	
Cal	Benlove Co	420 Market St, San Francisco, Cal	
Colo	Rocket Components	P.O. Box 213, Englewood, Colo	
Conn	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
Del	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
DC	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
Fla	Hart Engineering & Sales Co	Sta D, P. O. Box 283, Atlanta 18, Ga	
Ga	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Idaho	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	
Idaho	Rocket Components	P.O. Box 213, Englewood, Colo	
Kan	Associated Air Services	P.O. Box 3828, Wichita, Kan	
Ky	Lowry-Dietrich Co	333 W. 1st St, Dayton 2, Ohio	
Ky	Hart Engineering & Sales Co	Sta D, Box 283, Atlanta 18, Ga	
Me	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
Md	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
Mass	Northeast Sales Engineering Co	5 Elm St, Danvers, Mass	
Mass	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
Miss	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Ill	Associated Air Services	Sparta, Ill	
Mont	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	
Nev	Benlove Co	420 Market St, San Francisco, Cal	
NH	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
NJ	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
NY	Charles A Winick Co	926 Riverview Rd, Schenectady 9, NY	
NY	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
NC	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Ohio	Lowry-Dietrich Co	316 Marion Bldg, Cleveland 13, Ohio	
Ohio	Lowry-Dietrich Co	333 W. 1st St, Dayton 2, Ohio	
Okla	Associated Air Services	P.O. Box 3828, Wichita, Kan	
Ore	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	
Pa	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	
Pa	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
RI	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
SC	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Tenn	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Tex	Associated Air Services	P.O. Box 13185, Dallas, Tex	
Utah	Rocket Components	P.O. Box 213, Englewood, Colo	
Vt	Northeast Sales Engineering Co	3013 Dixwell Ave, Hamden, Conn	
Va	Hart Engineering & Sales Co	Sta D, P.O. Box 283, Atlanta 18, Ga	
Va	Argus Aero Engineering Co	P.O. Box 68, Warminster, Pa	
Wash	Burt C Porter Co	1209 Poplar Pl, Seattle 44, Wash	
W. Va	Lowry-Dietrich Co	703 Clairton Blvd, Pittsburgh 36, Pa	
Wyo	Rocket Components	P.O. Box 213, Englewood, Cal	
Foreign	Aviquipo of Canada Ltd	1980 Sherbrooke St, W. Montreal 3, Quebec, Canada	
	ULTRA ELECTROFORMING & MFG CO	**112 Cedar Ave, Pitman 6, NJ**	**LU9-7666**
	ULTRASONIC ENGINEERING CO	**Box 209, Maywood, Ill**	**FI4-8814**
	ULTRASONIC INDUSTRIES INC	**141 Albertson Ave, Albertson, NY**	**PI1-4333**
	ULTRA-VIOLET PRODUCTS INC	**5114 Walnut Grove Ave, San Gabriel, Cal**	**CU3-3193**
Ariz	Howe & Howe Sales	4328 N. 42nd Pl, Phoenix, Ariz	AM5-9185
Colo	Black Light Corp of Colorado	1334 Speer Blvd, Denver 4, Colo	AC2-9254
NJ	Black Light Eastern Corp	201-04 Northern Blvd, Bayside 61, NY	FA1-0909
NY	Black Light Eastern Corp	201-04 Northern Blvd, Bayside 61, NY	FA1-0909
Pa	Black Light Eastern Corp	201-04 Northern Blvd, Bayside 61, NY	FA1-0909
Tex	W H Curtin & Co	4220 Jefferson Ave, Houston 1, Tex	WA3-1661
Wash	Black Light Corp of Pacific NW	104 Prefontaine Pl, Seattle 4, Wash	MA7233
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco 11, Cal	EX2-5112
	ULTRONIX INC	**111 E. 20 Ave, San Mateo, Cal**	**FI5-7921**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Cal	Penwarden Dailey Assoc	7311 Van Nuys Blvd, Van Nuys, Cal	ST2-4920
Colo	Rowley-Bouvette Inc	1370 S. Eaton Ct, Denver 26, Colo	WA2-2624
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR5-7291
Ill	Knoblock & Malone Inc	1603 N. Newland Ave, Chicago 35, Ill	NA2-4005
Md	Massey Associates	111 Centerway, Greenbelt, Md	GR1-2071
Mass	John J Goode Associates	P.O. Box 176, Wellesley Hills 81, Mass	CE5-0552
Mich	Anderson Electronics Co	19364 James Couzens Hwy, Detroit, Mich	PR2-6655
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis, Minn	FR4-2612
Mo	Thomson Engr Service	8230 Forsyth Blvd, St. Louis 5, Mo	PA7-7705
NY	Comtronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NY	E A Stone Co	308 Merritt Ave, Syracuse 7, NY	HO9-3825
NC	Scientific Sales Engrg Co	2831 S. Main St, Winston-Salem, NC	
Ohio	Thomco Electronic Co	Box 181, N. Dayton Sta, Dayton, Ohio	BE3-1142
Ore	Shaffer & Nelson Inc	1001 S. E. Water St, Portland, Ore	BE4-7437
Pa	Massey Associates	529 Brookhurst Ave, Marberth, Pa	
Tex	Thomson Engr Service	2520 Oak Lawn, Dallas, Tex	
Utah	Rowley-Bouvette Inc	955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Wash	Shaffer & Nelson Inc	312 Occidental Ave, Seattle, Wash	MU2-0186
Wash	Shaffer & Nelson Inc	P.O. Box 198, Spokane, Wash	FA7-9528
	UNGAR ELECTRIC TOOLS ELEC DIV ELDON IND INC	**4101 Redwood Ave, Los Angeles 66, Cal**	**EX8-5718**
Ala	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Alaska	James J Backer	P.O. Box 9077, Seattle 99, Wash	AL6470
Ark	M F Klicpera	P.O. Box 3113, Houston, Tex	JA2-8459
Cal	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Cal	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	UP0-6116
Colo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Conn	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Del	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
DC	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Fla	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Ga	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Idaho	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Ill	Royal A Stemr	21 E. Van Buren, Chicago 5, Ill	WE9-4840
Ill	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Ind	R O Whitesell Assoc	6620 E. Washington St, Indnpls 19, Ind	FL9-5374
Iowa	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Kan	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Ky	R O Whitesell Associates	6620 E. Washington St, Indnpls 19, Ind	FL9-5374
La	M F Klicpera	P.O. Box 3113, Houston, Tex	JA2-8459
Me	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Md	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Mass	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Mich	Robert Mitsk Co	19371 Jas Couzen's Hwy, Detroit 35, Mich	BR3-3652
Minn	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Miss	M F Klicpera	P.O. Box 3113, Houston, Tex	JA2-8459
Mo	R W Farris Co., Inc	406 W. 34th St, Kansas City, Mo	PL3-5350
Mont	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Neb	R W Farris Co., Inc	406 W. 34th St, Knasas City, Mo	PL3-5350
Nev	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
NJ	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
NM	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
NH	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
NY	Leonard D Allen Inc	P.O. Box 32, Salina Sta, Syracuse 8, NY	GR1-3108
NY	D R Bittan Co	104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Louis W Appell Co	11 Warren St, New York 7, NY	WO4-4255
NC	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
ND	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Ohio	Baehr-Greenleaf & Assoc	14700 Detroit Ave, Cleveland 7, Ohio	AC1-9030
Okla	M F Klicpera	P.O. Box 3113, Houston, Tex	JA2-8459
Ore	James J Backer	P.O. Box 9077, Seattle 99, Wash	AL6470
Pa	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
RI	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
SC	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
SD	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tenn	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Tex	M F Klicpera	P.O. Box 3113, Houston, Tex	JA2-8459
Utah	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
Vt	Stanley A Harris Co	1241 Highland Ave, Needham 92, Mass	HI4-4780
Va	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Wash	James J Backer	P.O. Box 9077, Seattle 99, Wash	AL6470
W. Va	Morris F Taylor Co	P.O. Box 111, Silver Spring, Md	JU9-4002
Wisc	Royal A Stemm	21 E. Van Buren, Chicago 5, Ill	WE9-4840
Wisc	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Wyo	Koether-Cox Co	110 W. 13th Ave, Denver 4, Colo	MA3-3544
	UNHOLTZ-DICKIE CORP	**2994 Whitney Ave, Hamden 18, Conn**	**AT8-3358**
Ala	W A Brown Associates	Huntsville, Ala	JE6-8393
Ariz	Brooks Feeger & Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Cal	Kennematt Co	14637 Bessemer St, Van Nuys, Cal	ST5-1503
Colo	Brooks Feeger & Associates	3041 S. Broadway, Englewood, Colo	SU1-7375
Conn	Walter W Jarowey Co	Box 6164, Hamden 17, Conn	AT8-3010
Del	W A Brown Associates	7610 Knollwood Rd, Towson 4, Md	VA3-6580
Fla	W A Brown Associates	201 Capron Rd, Indian River City, Fla	
Ga	W A Brown Associates	3405 Lookout Dr, S.E., Huntsville, Ala	JE6-8393
Md	W A Brown Associates	7610 Knollwood Rd, Towson, Md	VA3-6580
Mass	Walter W Jarowey Co	P.O.Box 6164, Hamden 17, Conn	WO9-8987
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit 35, Mich	BR3-2900
NM	Brooks Feeger & Associates	1122-C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	Space-Tronics Inc	100 E. Old Country Rd, Mineola, NY	PI1-8817
NY	R P Kennedy Co	182 Mayflower Dr, Rochester 18, NY	BR1-6322
NC	W A Brown Associates	1707 Princeton St, S.W., Winston-Salem	PA5-5384
Ohio	S Sterling Co	363 W. First St, Dayton 2, Ohio	
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24, Ohio	
Pa	C E Snow Co	919 E. Phil-Ellena St, Phila 50, Pa	
SC	W A Brown Associates	1707 Princeton St, S.W., Winston-Salem, NC	PA5-5384
Va	W A Brown Associates	3610 Mt. Vernon Ave, Alexandria, Va	WI4-1938
Wash	Remco Engineering Repr	321 E. 45th St, Seattle 5, Wash	
	UNIFORM TUBES	**Collegeville, Pa**	**HU9-7276**
Cal	F J Lacke	425 E. Green St, Pasadena, Cal	MU1-9534
Ill	H T Habermann	53 W. Jackson Blvd, Chicago 4, Ill	HA7-2215
Ind	Chet Given	921 E. 3rd St, Mishawaka, Ind	BL5-6439
Mass	John W Murphy	19 Edgemere Dr, Seekonk, Mass	SO1-7153
Mich	Murray A Percival	18505 E. 8th Mile Rd, Detroit, Mich	KE3-0230
Minn	L C Newton Inc	2295 University Ave, St. Paul 14, Minn	MI5-4637
Mo	Phelan-Tramelli Sales Agency	7206 Northmoor Dr, St. Louis 5, Mo	PA1-7784
Mo	J C Culver & Co	4638 Nichols Pkwy, Kansas City 12, Mo	WE1-2323
NJ	H S Bancroft & Co	209 Cooper St, Westmont, NJ	UL4-8000
NJ	H G Williams	Box 344, Ramsey, NJ	DA7-5527
NY	Bagley & Holdgate	P.O. Box 445, Victor, NY	WA4-3574
Ohio	G R Neff & Assoc	2860 E. 130th St, Cleveland 20, Ohio	WY1-7900
	UNIMAX SWITCH DIV W L MAXSON CORP	**Ives Rd, Wallingford, Conn**	**CO9-8701**
Ala	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Ariz	M A Stolaroff Co	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Ark	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Cal	M A Stolaroff Co	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
Cal	Wm W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
Colo	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Conn	The Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Del	L G White & Co	108 Forrest Ave, Narberth, Pa	MO4-6505
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Fla	Benz Sales Co	P.O.Box 178, N. Miami Beach 62, Fla	FR4-1391
Ga	Cartwright & Bean	3223 Cains Hill Pl, Atlanta, Ga	CE7-2273
Idaho	Andrew L Polich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
Ill	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago, Ill	TU9-5011
Ind	Thomas & Sukup Inc	5226 N. Keystone, Indianapolis, Ind	CL1-4574
Iowa	Bierhaus-Balhorn Sales Inc	7185 W. Armitage Ave, Chicago, Ill	TU9-5011
Kan	Hill & Co	618 Fullerton Bldg, St. Louis 1, Mo	MA1-1818
Ky	Phister Engineering Co	709 Temple Bar Bldg, Cincinnati, Ohio	GA1-3850
La	Gay Sales Co	420 Sul Ross St, Houston, Tex	JA9-3479
Me	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	The Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit	BR3-2900
Minn	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26	WE9-2631
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Mo	Hill & Co	618 Fullerton Bldg, St. Louis 1, Mo	MA1-1818
Mont	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Neb	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Nev	Wm W Tompkins & Co	2363 Birch St, Palo Alto, Cal	DA6-7940
NH	The Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
NJ	L G White & Co	108 Forrest Ave, Narberth, Pa	MO4-6505
NJ	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY	WE8-1080
NY	Hunter & Salsbury Inc	87 Broadway, Hicksville, NY	WE8-1080
NY	Technical Sales Inc	2900 Erie Blvd, Syracuse, NY	GR2-7524
NC	L G White & Co	P.O.Box 2356, Winston-Salem, NC	PA5-3612
ND	Lenmark & Parker Inc	6504 Walker St, Minneapolis 26, Minn	WE9-2631
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Ohio	Phister Engineering Co	709 Temple Bar Bldg, Cincinnati	GA1-3850
Okla	Gay Sales Co	420 Sul Ross St, Houston, Tex	JA9-3479
Ore	Andrew L Polich Inc	734 N.W. Glisan St, Portland 9, Ore	CA3-6241
Pa	L G White & Co	108 Forrest Ave, Narberth, Pa	MO4-6505
Pa	Technical Sales Inc	2900 Erie Blvd, Syracuse, NY	GR2-7524
RI	The Zaslow Sale Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
SC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
SD	Lenmark & Parker Inc	6504 Walker, Minneapolis 26, Minn	WE9-2631
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Gay Sales Co	420 Sul Ross St, Houston, Tex	JA9-3479
Utah	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Vt	The Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	AD6-3265
Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wash	Andrew L Polich Inc	1105 Northern Life Tower, Seattle	MA3-3236
W. Va	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wisc	Lenmark & Parker Inc	6504 Walker, Minneapolis 26, Minn	WE9-2631
Wyo	McLoud & Raymond Co	5403 E. Evans, Denver 22, Colo	SK6-1589
Foreign	Terry Ferraris & Co	Via S. Martino 14, Milano, Italy	
Foreign	Ernst M Egli	Spitteler Strasse 6, Zurich, Switzerland	
	UNION CARBIDE CONSUMER PRODUCTS CO DIV UCC	**270 Park Ave, New York 17, NY**	**LL1-2345**
Cal	D J Nicolas	22 Battery St, San Francisco 6, Cal	YU2-1360
Cal	C B Eccles	2770 Leonis Blvd, Los Angeles 58, Cal	LU3-3061
Ga	H H Hooper	1371 Peachtree St, N.E., Atlanta, Ga	TR3-2241
Ill	Nelson & Zemer	230 N. Michigan Ave, Chicago 1, Ill	FI6-3300
Mo	A C Egler	910 Baltimore Ave, Kansas City 41, Mo	BA1-2400
NY	Ashway & Sullivan (N.E. Div)	292 Madison Ave, New York 17, NY	MU6-1700
Pa	N Croarkin	Oliver Bldg, Mellon Sq, Pittsburgh 22	EX1-3800
Tex	F M Coover	1511 Bryan St, Dallas 1, Tex	RI8-9176
	UNION CARBIDE METALS CO DIV UCC	**270 Park Ave, New York 17, NY**	**LL1-2345**
Ala	Union Carbide Metals Co	2900 Cahaba Rd, Birmingham 2, Ala	TR9-4681
Cal	Union Carbide Metals Co	2770 Leonis Blvd, Los Angeles 58, Cal	LU3-3061
Cal	Union Carbide Metals Co	22 Battery St, San Francisco 6, Cal	YU2-1360
Ill	Union Carbide Metals Co	230 N. Michigan Ave, Chicago 1, Ill	FI6-3300
Mich	Union Carbide Metals Co	10421 W. 7 Mile Rd, Detroit 21, Mich	DI1-3131
NJ	Union Carbide Metals Co	Roseberry & Marshall, Phillipsburg, NJ	GL4-6403
NY	Union Carbide Metals Co	P. O. Box 330, Niagara Falls, NY	BU5-3311
Ohio	Union Carbide Metals Co	1300 Lakeside Ave, Cleveland 14, Ohio	MA1-4202
Pa	Union Carbide Metals Co	537 Smithfield, Pittsburgh 22, Pa	EX1-3800
Tex	Union Carbide Metals Co	3839 W. Alabama Ave, Houston 27, Tex	MO7-5641
	UNION CARBIDE PLASTICS CO	**270 Park Ave, New York 17, NY**	**LL1-2345**
Cal	Union Carbide Corp	22 Battery St, San Francisco 6, Cal	YO2-1360
Cal	Union Carbide Corp	2770 Leonis Blvd, Los Angeles 58, Cal	LU3-3061
Conn	Union Carbide Corp	410 Asylum St, Hartford 3, Conn	
Ga	Union Carbide Corp	57 Forsyth St, Atlanta 3, Ga	
Ill	Union Carbide Corp	230 N. Michigan Ave, Chicago 1, Ill	
Mass	Union Carbide Corp	300 First Ave, Needham Hgts, Boston 94, Mass	
Mich	Union Carbide Corp	10421 W. 7 Mile Rd, Detroit 21, Mich	
Mo	Union Carbide Corp	122 N. Kirkwood Rd, St. Louis 22, Mo	
Mo	Union Carbide Corp	910 Baltimore Ave, Kansas City 41, Mo	
NJ	Union Carbide Corp	Pleasant Valley Rd, Moorestown, NJ	
NJ	Union Carbide Corp	1061 Bloomfield Ave, Clifton, NJ	
NY	Union Carbide Corp	3700 East Ave, Rochester 18, NY	
NY	Union Carbide Corp	1877 Palmer Ave, Larchmont, NY	
NC	Union Carbide Corp	Guilford Bldg, Greensboro, NC	BR4-7696
Ohio	Union Carbide Corp	1300 Lakeside Ave, N.E., Cleveland 14, Ohio	
Ohio	Union Carbide Corp	2330 Victory Pkwy, Cincinnati 6, Ohio	
Pa	Union Carbide Corp	537 Smithfield St, Pittsburgh 22, Pa	
Tex	Union Carbide Corp	6300 N. Central Expwy, Dallas 6, Tex	EM3-1691
Wisc	Union Carbide Corp	2040 W. Wisconsin, Milwaukee 3, Wisc	DI4-7050
	UNION ELECTRIC & MFG CORP	**1057 Summit Ave, Jersey City, NJ**	**OL6-1100**
Ohio	G & H Sales Co	P.O. Box 416, Cincinnati 37, Ohio	
	UNION SWITCH & SIGNAL DIV WESTINGHOUSE AIR BRAKE CO	**Pittsburgh 18, Pa**	**CH3-5000**
Ala	Electrical Mfrs Service	P.O.Box 5091, High Point, NC	HI2-3495
Ariz	Carl E Holmes Co	107 N. Ave 64, Los Angeles, Cal	CL6-2255
Cal	Carl E Holmes Co	107 N. Ave 64, Los Angeles, Cal	CL6-2255
Colo	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
Conn	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
Del	R B Barnhill & Associates	Box 6892, Towson, Baltimore 4, Md	VA5-3431
Fla	R B Barnhill & Associates	2701 Wright Ave, Orlando, Fla	MI4-0065
Ga	Electrical Mfrs Service	P.O.Box 5091, High Point, NC	HI2-3495
Idaho	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
Ill	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Ill	Thunderbird Engrg Sales & Ser Inc	7811 Carondelet Ave, St. Louis 5, Mo	PA6-1413
Ind	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Iowa	Thunderbird Engrg Sales & Ser Inc	7811 Carondelet Ave, St. Louis 5, Mo	PA6-1413
Kan	Zites Aviation Sales Corp	5608 E. Lincoln St, Wichita 7, Kan	MU4-0286
Me	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
Md	R B Barnhill & Associates	Box 6892, Towson, Baltimore 4, Md	VA5-3431
Mass	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
Mich	R C Merchant & Co., Inc	18411 W. McNichols, Detroit 19, Mich	KE5-6000
Minn	Dave Gilbertson Co	850 Cromwell Ave, St. Paul, Minn	MI6-2671
Mo	Thunderbird Engrg Sales & Ser Inc	7811 Carondelet Ave, St. Louis 5, Mo	PA6-1413
Mont	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
Neb	Thunderbird Engrg Sales & Ser Inc	7811 Carondelet Ave, St. Louis 5, Mo	PA6-1413
Nev	Carl E Holmes Co	107 N. Ave 64, Los Angeles 42, Cal	CL6-2255
NH	Electrical Mfrs	105 Hillside Ave, Williston Pk, NY	PI2-1616
NJ	R B Barnhill & Associates	Box 6892, Towson, Baltimore 4, Md	VA5-3431
NM	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
NY	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
NC	Electrical Mfrs Service	P.O.Box 5091, High Point, NC	HI2-3495
Ohio	Earl W Schenck Associates	P.O Box 112, Westerville, Ohio	TU2-4838
Okla	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Ore	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	EA5-4400
Pa	R B Barnhill & Associates	Box 6892, Towson, Baltimore 4, Md	VA5-3431
Pa	Tanner & Covert Associates	300 Mt. Lebanon Blvd, Pittsburgh, Pa	LO1-6067
Pa	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
RI	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
SC	Electrical Mfrs Service	P.O.Box 5091, High Point, NC	HI2-3495
Tex	Kemp Engineering Co	2618 Manana Dr, Dallas 20, Tex	FL7-6663
Utah	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
Vt	Electrical Mfrs Service	105 Hillside Ave, Williston Pk, NY	PI2-1616
Wash	Associated Industries	1752 Rainier Ave, Seattle 44, Wash	EA5-4400
W. Va	Tanner & Covert Associates	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO1-6067
Wisc	W L Cunningham & Associates	435 Addison Ave, Elmhurst, Ill	TE2-0905
Wyo	Electronic Components Sales Inc	2149 S. Clermont, Denver, Colo	PE3-7172
	UNIQUE WIRE WEAVING CO., INC	**759 Ramsey Ave, Hillside, NJ**	**MU6-4400**
Ill	E Rowell	18618 Lyn Ct, Homewood, Ill	SY8-3414
Iowa	J A Switzer	4323 W. 67 St, Prairie Village 15, Kan	CO2-5385
Kan	J A Switzer	4323 W. 67 St, Prairie Village 15, Kan	CO2-5385
Mo	J A Switzer	4323 W. 67 St, Prairie Village 15, Kan	CO2-5385
NY	Howard N Clark	830 Linden Ave, Rochester 19, NY	LU6-0371
Ohio	R G Alexander Co	1569 Woodland Ave, N.E., Warren, Ohio	EX5-4255
Okla	J A Switzer	4323 W. 67 St, Prairie Village 15, Kan	CO2-5385
Wisc	H H Winston	417 N. 3rd St, Milwaukee 3, Wisc	BR1-1022
	UNISCO INC	**1061 Linden Ave, Ridgefield, NJ**	**WH3-3220**
Mass	Unisco Inc	233 Harvard St, Boston, Mass	RE9-0109
NY	Unisco Inc	205 Burke Bldg, Rochester, NY	HA6-9443
	UNI-SEAL INC	**477 North Ave, Garwood, NJ**	**SU9-0800**
Colo	Williams & Associates	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Conn	Woodit Harry P	82 Washington St, East Orange, NJ	OR3-7959
Del	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
DC	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Idaho	Williams & Associates	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Ind	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Md	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Neb	Williams & Associates	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
NJ	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
NJ	Woodit Harry P	82 Washington St, East Orange, NJ	OR3-7959
NM	Williams & Associates	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
NY	Nierenberg McCardle Associates	23 Erskine Dr, Morristown, NJ	JE8-7020
NY	Woodit Harry P	82 Washington St, East Orange, NJ	OR3-7959
Pa	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Tex	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Utah	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
Va	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Wash	Valley Electronics Inc	1735 E. Joppa Rd, Towson, Md	VA5-7820
Wisc	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Wyo	Williams & Associates Inc	2261-63 S. Albion St, Denver 22, Colo	SK6-9403
	UNISON PRODUCTS INC	**705 W. Savidge St, Spring Lake, Mich**	**VI2-1349**
Ala	Charles W Kinsley Co	Times Bldg, Huntsville, Ala	JE4-7304
Ariz	Ed Landa Co	1273 Westwood Blvd, Los Angeles 24, Cal	BR2-9525
Cal	Ed Landa Co	1273 Westwood Blvd, Los Angeles 24, Cal	BR2-9525
Colo	Allen I Williams	2263 S. Albion St, Denver 22, Colo	SK6-9403
Idaho	Allen I Williams Co	320 E. 4th, Salt Lake City 11, Utah	EM4-6844
Ind	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Iowa	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Minn	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo	PA5-6219
Nev	Ed Landa Co	1273 Westwood Blvd, Los Angeles, Cal	BR2-9525
NJ	Cooper Di Blasi	90 Main St, Port Washington, NY	PO7-0470
NM	Allen I Williams Co	3221 Silver Ave, S.E., Albuquerque, NM	AL5-9632
NY	Cooper Di Blasi	90 Main St, Port Washington, NY	PO7-0470
Utah	Allen I Williams Co	320 E. 4th S., Salt Lake City 11, Utah	EM4-6844
Wisc	Magnuson Associates	3347 W. Irving Park Rd, Chicago, Ill	KE9-7555
Wyo	Allen I Williams Co	2263 S. Albion St, Denver 22, Colo	SK6-9403
	UNIT PROCESS ASSEMBLIES INC	**61 E. 4th St, New York 3, NY**	**SP7-1398**
	UNITED AIRCRAFT PRODUCTS INC	**1116 Bolander Ave, Dayton, Ohio**	**BA4-3841**
Cal	United Aircraft Products Inc	137 W. 157th St, Gardena, Cal	FA1-4810
NY	United Aircraft Products Inc	50 E. 42nd St, New York 17, NY	MU7-1283
Ohio	United Aircraft Products Inc	P.O. Box 1035, Dayton 1, Ohio	BA4-3841
Foreign	Allied International Corp	230 Park Ave, New York 17, NY	MU9-6126
Canada	Arden Boland	147 Hymus Blvd, Pointe Claire, P Q, Can	OX7-0810
	UNITED CARBON PRODUCTS CO	**1st & Madison, Bay City, Mich**	**TW3-4575**
Ariz	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Cal	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Colo	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Conn	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
Idaho	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Ill	Nicholas Grondin	620 Jay St, Sandusky, Ohio	MA5-6984
Ind	Nicholas Grondin	620 Jay St, Sandusky, Ohio	MA5-6984
Kan	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
La	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Me	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
Mass	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
Mont	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Neb	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Nev	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
NH	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
NM	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
ND	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Ohio	Nicholas Grondin	620 Jay St, Sandusky, Ohio	MA5-6984
Okla	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Ore	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Pa	Nicholas Grondin	620 Jay St, Sandusky, Ohio	MA5-6984
RI	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
SD	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Tex	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Utah	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Vt	Carl Leistner	14014 Lakeshore Blvd, Cleveland, Ohio	IV1-1041
Wash	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
Wyo	Dik Sarnowski	P.O.Box 456, La Mirada, Cal	LA1-3726
	UNITED CONTROL CORP	**4540 Union Bay Pl, Seattle 5, Wash**	**LA5-9200**
Ala	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Ariz	Transdynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	Transdynamics Inc	4450 Lakeside Dr, Burbank, Cal	VI9-6262
Cal	Transdynamics Inc	44 Encina, Palo Alto, Cal	
Colo	Price Engr Sales Associates	P.O.Box 421, Littleton, Colo	PY4-6367
Conn	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Del	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
DC	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Fla	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Ga	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Kan	Avionics Engr Sales Co	P.O.Box 786, Wichita, Kan	HO4-6201
Ky	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
La	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Me	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Md	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Mass	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Mich	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Miss	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Mo	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Mont	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Neb	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Nev	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
NH	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
NJ	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
NY	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
NC	Reciputi & Weise	635 Oak St, Copiague, NY	AM4-3322
Pa	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
RI	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
SC	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Tenn	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
Tex	Reciputi & Weiss	810 D E. Abram, Arlington	CR5-0401
Vt	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
W. Va	Reciputi & Weiss Inc	635 Oak St, Copiague, NY	AM4-3322
	UNITED ELECTRIC CONTROLS CO	**85 School St, Watertown 72, Mass**	**WA6-1000**
Ala	Mid South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Ark	Mid South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Cal	Western Electro-Mechanical Co	300 Broadway, Oakland, Cal	TE2-8653
Conn	Petro Chem Specialties Co	Box 104, La Guardia Sta, Flushing 71, NY	TW9-6400
Del	Walter A Koenig Co	2552 S. Lumber St, Allentown, Pa	SW7-1564
DC	R G Davis Co	3133 Powder Mill Rd, Adelphi, Md	WE5-6382
Fla	Ju No Supply Co	1605 N. Hercules St, Clearwater, Fla	CL3-8551
Idaho	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland, Ore	BE5-4137
Ill	Shererty Henderson Co	5707 W. Lake St, Chicago, Ill	CO1-1032
Ind	Richard C Greene	6625 Delmar Blvd, St. Louis 30, Mo	PA6-2665
Ind	Law Instrument	Box 95, Angola, Ind	AN217
Ind	Malcom Welch	Box 27062, Indianapolis 27, Ind	ST7-0009
Iowa	Shererty Henderson Co	5707 W. Lake St, Chicago 44, Ill	CO1-1032
Kan	Jack M Gilbert Co	131 E. 70th St, Kansas City, Mo	DE3-8830
Ky	B C Engineering	6900 Silverton Ave, Cincinnati, Ohio	TW1-6122
La	Mid South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Md	R G Davis Co	3133 Powder Mill Rd, Adelphi, Md	WE5-6382
Mich	H H Barnum Co	12201 Merriman Rd, Livonia, Mich	
Mich	Law Instrument Co	Box 95, Angola, Ind	AN217
Minn	R S Larsen Co	5914 Portland Ave, S., Minneapolis	UN9-7774
Miss	Mid South Sales Co	4424B Earhart Blvd, New Orleans, La	TU4683
Mo	Jack Gilbert Co	131 E. 70th St, Kansas City, Mo	DE3-8830
Mont	Pacific Electric Sales	140 S.E. 28th Ave, Portland, Ore	BE5-4137
Nev	Western Electro-Mechanical Co., Inc	300 Broadway, Oakland, Cal	TE2-8653
NJ	Petro Chem Specialties Co	La Guardia Sta, Flushing, NY	TW9-6400
NJ	Walter A Koenig	2552 S. Lumber St, Allentown, Pa	SW7-1564
NY	Petro-Chem Specialties	Box 104, La Guardia Sta, Flushing, NY	TW9-6400
NY	Terry berry Engineering Sales	225 Monroe Dr, Buffalo, NY	PL4289
Ohio	King Instrument	5771 Ridge Rd, Cleveland, Ohio	TU4-3450
Ohio	B C Engineering	6900 Silverton Ave, Cincinnati, Ohio	TW1-6122
Ohio	Law Instrument	Box 95, Angola, Ind	AN217
Ohio	R R Kovach Co	37 Alton Dr, Bethel Park, Pa	TE5-6296
Okla	Jack M Gelbert Co	131 E. 70th St, Kansas City, Mo	DE3-8830
Ore	Pacific Electric Sales	140 S.E. 28th Ave, Portland, Ore	BE5-4137
Pa	Walter A Koenig Co	2552 S. Lumber St, Allentown, Pa	SW7-1564
Pa	R R Kovach Co	37 Alton Dr, Bethel Park, Pa	TE5-6296
Pa	Terryberry Engineering Sales Co	225 Monroe Dr, Buffalo 7, NY	PL4289
Tex	H M Wickman & Associates	4350 N. Central Expwy, Dallas, Tex	FL2-1832
Tex	Process Sales Co	4010 Blue Bonnet St, Houston, Tex	DA3-3710
Va	R G Davis Co	3313 Powder Mill Rd, Adelphi, Md	WE5-6382
Wash	Pacific Electric Sales Co	140 S.E. 28th Ave, Portland, Ore	BE5-4137
W. Va	R R Kovach Co	37 Alton Dr, Bethel Park, Pa	TE5-6296
Wisc	Pyro Matic Industrials	3220 W. National Ave, Milwaukee, Wisc	EV4-8300
Foreign	Eisenbau	Bastion Valta 11, Milano, Italy	
Foreign	Maquinario Indl Del Norte S A	P.O.Box 762, Monterey, N L, Mexico	
	UNITED ELECTRODYNAMICS INC	**200 Allendale Rd, Pasadena, Cal**	**MU2-1134**
Ariz	R A Mayes Co	P.O. Box 3344, El Paso, Tex	LY8-2982
Colo	Applied Engineering Products Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
Idaho	Applied Engineering Prod Corp	405 Felt Bldg, Salt Lake City, Utah	EM4-4942
NM	R A Mayes Co	P.O. Box 3344, El Paso, Tex	LY8-2982
Ohio	Dale Martin	P.O. Box 554, Dayton 19, Ohio	CL3-6175
Tex	R A Mayes Co	P.O. Box 3344, El Paso, Tex	LY8-2982
	UNITED ELECTRONIC MFG CORP	**542 39th St, Union City, NJ**	**UN5-4452**
Cal	Harriss Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo	FI1-2909
Cal	Barstow & Doran	1406 S. Grand Ave, Los Angeles, Cal	RI9-0438
Del	Farrell S Carmine	14 Knickerbocker Dr, Newark	EN8-7603
Fla	Ted Sharaf Associates	910 Van Buren St, Hollywood	WA2-4430
Mo	Collins Havercamp Associates	6825 N. Baltimore, Kansas City	GL3-4497
NY	Murray Director Associates	115-62 237th St, Elmont, NY	CU5-6823
NY	Samuel Bialek	205 E. 42nd St, New York 17, NY	MU4-1655
Tenn	Dixie Associates	1021 8th Ave, S. Nashville	
Tex	Fred Gross & Co	P.O. Box 1926, Dallas	FL1-1837
	UNITED ELECTRONICS CO	**42 Spring St, Newark 2, NJ**	**HU4-6300**
Ala	Kelsey Martin	1000 Peachtree St, N.E., Atlanta, Ga	TR6-5637
Ariz	J T Hill Co	318 W. State Ave, Phoenix, Ariz	
Cal	J T Hill Co	420 S. Pine St, San Gabriel, Cal	CU3-6555
Cal	J T Hill Co	1682 Laurel St, San Carlos, Cal	LY3-7693
Cal	J T Hill Co	1864 Bacon St, San Diego 7, Cal	AC3-7133
Conn	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
DC	Gawler-Knoop Co	8732 Flower Ave, Silver Springs, Md	JU5-3538
Fla	Kelsey Martin	1000 Peachtree St, N.E., Atlanta, Ga	TR6-5637
Ga	Kelsey Martin	1000 Peachtree St, N.E., Atlanta, Ga	TR6-5647
Ill	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Ind	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Me	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
Md	Gawler-Knoop Co	8732 Flower Ave, Silver Springs, Md	JU5-3538
Mass	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
Mich	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Nev	J T Hill Co	420 S. Pine St, San Gabriel, Cal	AT7-9633
NH	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
NJ	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NY	Gawler-Knoop Co	178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	Kelsey Martin	1000 Peachtree St, Atlanta, Ga	TR6-5637
Ohio	Frank E Kahsar Sales Associates	4628 Glenway Ave, Cincinnati 38, Ohio	GR1-9011
Pa	Gawler-Knoop Co	835 Glenside Ave, Wyncote, Pa	TU4-8805
Pa	Frank E Kahsar Sales Associates	4628 Glenway Ave, Cincinnati 38, Ohio	GR1-9011
RI	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
SC	Kelsey Martin	1000 Peachtree St, N.E., Atlanta, Ga	TR6-5637
Tenn	Kelsey Martin	1000 Peachtree St, N.E., Atlanta, Ga	TR6-5637
Vt	Monahan & Co	P.O. Box 474, Norwood, Mass	NO7-5961
Va	Gawler-Knoop	8732 Flower Ave, Silver Springs, Md	JU5-3538
Wisc	Edward Schmeichel Co	5968 W. Chicago Ave, Chicago 51, Ill	ES8-2070
Canada	Ahearn & Soper Co., Ltd	384 Bank St, Ottawa 4, Canada	CE6-9441
	UNITED FABRICATORS ELECTRONICS INC	**Stillwater, Minn**	
	UNITED INTL DYNAMICS CORP	**243 Lexington St, Waltham 54, Mass**	**TW4-7271**
Ariz	A A Dowers Co	2918 E. Florence, Huntington Pk, Cal	LU2-5105
Cal	A A Dowers Co	2918 E. Florence, Huntington Pk, Cal	LU2-5105
Conn	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Del	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
DC	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ind	R T Mathews Co	1127 Wells St, Ft. Wayne, Ind	AN3035
Iowa	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ky	Armin Leich	5860 Norwaldo Ave, Indianapolis, Ind	CL1-3803
Me	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Md	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
Mass	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Mich	Jack Rathsburg Associates	3539 Townsend Ave, Detroit 14, Mich	WA5-8650
NH	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
NJ	S J Sales Engineering Co	130 Lafayette St, New York, NY	WO2-7766
NJ	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
NY	S J Sales Engineering Co	130 Lafayette St, New York, NY	WO2-7766
NY	United Intl Dynamics Corp	373 Long Beach Rd, Oceanside	OR8-5118
Ohio	Thomas P Andrew & Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
Pa	Jerry Bresson Associates	246 Haverford Ave, Narberth, Pa	GR7-3800
Pa	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
RI	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
Vt	Herb Mandell Co	85 Pearl Ave, Revere, Mass	AT9-3787
W. Va	Thomas P Andrews & Co	3066 Livingston Rd, Cleveland, Ohio	AC1-2561
Wisc	R T Mathews & Co	1127 Wells St, Ft. Wayne, Ind	AN3035
	UNITED MFG CO DIV W L MAXSON CORP	**41 Haig St, Hamden 14, Conn**	**CH8-4491**
Cal	United Mfg Co	9047 E. Florence Ave, Downey, Cal	TO2-8710
Ohio	United Mfg Co	3708 Endover Rd, Dayton 36, Ohio	AX8-7662
Foreign	Air Parts Intl N V	149 Haagweg, Ryswyk, Holland	
Foreign	C Itoh & Co	Central P.O.Box 136, Tokyo, Japan	
Foreign	Astra Aircraft Corp (Pty) Ltd	Box 1923, Johannesburg, S. Africa	
Foreign	Bendix-Tecnico Ltd	61 James St, Rockdale, N.S.W., Australia	
	UNITED MINERAL & CHEMICAL CORP	**16 Hudson St, New York 13, NY**	**BE8870**
Ark	Packard Associates	Love Fld Air Term' Bldg, Dallas 35, Tex	FL7-7513
Cal	Logar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	UP0-6116
Conn	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
Ind	A E Williams Co	Rural Rt 1, Markle, Ind	SK8-5703
Mass	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Mich	A E Williams Co	Rural Rt 1, Markle, Ind	SK8-5703
NH	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Ohio	A E Williams Co	6330 Montgomery Rd, Cincinnati, Ohio	EL1-6132
RI	Near Inc	99 Highland Ave, Somerville 43, Mass	PR6-2262
Tex	Packard Associates	Love Fld Air Term'l Blvd, Dallas, Tex	FL7-7513
Wisc	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
	UNITED SCREW & BOLT CORP	**3590 W. 58 St, Cleveland 2, Ohio**	**OL1-1100**
Ill	United Screw & Bolt Corp	2513 W. Fullerton St, Chicago 8, Ill	BI7-6464
NY	United Screw & Bolt Corp	71 Murray St, New York 7, NY	BA7-6685
	UNITED SENSOR & CONTROL CORP	**Glastonbury, Conn**	
	UNITED SHOE MACHINERY CORP	**140 Federal St, Boston 7, Mass**	**LI2-9100**
Cal	United Shoe Machinery Corp	1826 S. Hope St, Los Angeles, Cal	RI9-8231
Ga	United Shoe Machinery Corp	449 1/2 Moreland Ave, N.E., Atlanta, Ga	JA1-0980
Ill	United Shoe Machinery Corp	600 W. Jackson Blvd, Chicago 6, Ill	FR2-0970
Mo	United Shoe Machinery Corp	2200 Washington Ave, St. Louis 3, Mo	CE1-1340
NY	United Shoe Machinery Corp	1461 Monroe Ave, Rochester 18, NY	GR3-0240
NY	United Shoe Machinery Corp	1 W. 16th St, New York 11, NY	WA4-3800
Ohio	United Shoe Machinery Corp	740 Superior Ave, N.W., Cleveland 13	CH1-2317
Ohio	United Shoe Machinery Corp	407 Gilbert Ave, N.W., Cincinnati 2, Ohio	PA1-4622
Pa	United Shoe Machinery Corp	1733 Arch St, Philadelphia 8, Pa	LO7-2676
Pa	United Shoe Machinery Corp	2515 Paxton St, Harrisburg, Pa	CE4-7037
Tenn	United Shoe Machinery Corp	320 Main St, Nashville 6, Tenn	AL4-3376
Tex	United Shoe Machinery Corp	1210 Old Gate Ln, Dallas 18, Tex	DA1-9434
Va	United Shoe Machinery Corp	1820 Park Ave, Lynchburg, Va	VI7-5431
Wisc	United Shoe Machinery Corp	2362 N. Stanley Pl, Milwaukee, Wisc	CO4-3510
	UNITED SHOE MACHINERY CORP ANTENNA & MICROWAVE SECTION	**Balch St, Beverly, Mass**	
Me	United Shoe Machy Corp	38 Minot Ave, Auburn, Me	LE4-7386
Mass	United Shoe Machy Corp	35 Sutton St, Lynn, Mass	LY2-1300
Mass	United Shoe Machy Corp	47 Pleasant St, Brockton, Mass	JU3-1305
Mo	United Shoe Machy Corp	2200 Washington Ave, St. Louis, Mo	CE1-1340
NY	United Shoe Machy Corp	1 W. 16th St, New York, NY	WA4-3800
NY	United Shoe Machy Corp	19 Jennison Ave, Johnson City, NY	BI9-1541
Ohio	United Shoe Machy Corp	407 Gilbert Ave, Cincinnati, Ohio	PA1-4622
Pa	United Shoe Machy Corp	2515 Paxton St, Harrisburg, Pa	CE4-7037
Tenn	United Shoe Machy Corp	320 Main St, Nashville, Tenn	AL4-3376
Wisc	United Shoe Machy Corp	2362 Stanley Pl, Milwaukee, Wisc	CO4-3510
	UNITED TRANSFORMER CORP	**150 Varick St, New York 13, NY**	**ALS-3500**
Ala	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Ariz	United Transformer Corp	4008 W. Jefferson Blvd, L A, Cal	RE1-6313
Ark	J Y Schoonmaker Co	5328 Redfield St, Dallas, Tex	LA6-7238
Cal	United Transformer Corp	4008 W. Jefferson Blvd, Los Angeles	RE1-6313
Colo	Franklin Sales Co	2149 S. Clermont St, Denver 22, Colo	SK7-1371
Conn	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Del	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
DC	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Fla	James Millar Associates	P.O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Ga	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Hawaii	Hastin & Browne	P. O. Box 2098, Honolulu 5, Hawaii	
Idaho	Northwestern Agencies	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Ill	R C Whitmore Associates	520 N. Michigan Ave, Chicago 11, Ill	
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis, Ind	FL9-5374
Kan	W N Wellman	P. O. Box 166, Fenton, Mo	DA6-0313
Ky	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	FL9-5374
La	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Me	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Md	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Mass	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
Mich	E F Liddle	18925 Grand River Ave, Detroit, Mich	VE7-5310
Minn	Clark Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Miss	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Mo	W N Wellman	P. O. Box 166, Fenton, Mo	DA6-0313
Mont	Northwestern Agencies	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Nev	United Transformer Corp	4008 W. Jefferson Blvd, L A, Cal	RE1-6313
NH	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
NJ	Lewis Stubin Co	2305 Fairmont Ave, Philadelphia 30, Pa	CE6-2072
NJ	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
NM	United Transformer Corp	4008 W. Jefferson Blvd, L A, Cal	RE1-6313
NC	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Ohio	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Okla	J Y Schoonmaker Co	5328 Redfield St, Dallas, Tex	LA6-7238
Ore	Northwestern Agencies	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
Pa	L D Lowery Inc	50 E. Wynnewood Rd, Wynnewood, Pa	MI2-9100
RI	Gerber Sales Co	48 Pearl St, Brookline 46, Mass	BE2-2425
SC	James Millar Associates	P.O. Box 116, Sta C, Atlanta, Ga	TR6-0919
SD	Clark Gibb Co	2400 Hennepin Ave, Minnpls 5, Minn	FR7-1200
Tenn	James Millar Associates	P. O. Box 116, Sta C, Atlanta, Ga	TR6-0919
Tex	J Y Schoonmaker Co	5328 Redfield St, Dallas, Tex	LA6-7238
Utah	Franklin Sales Co	2149 S. Clermont, Denver 22, Colo	SK7-1371
Vt	Gerber Sales Co	48 Pearl St, Brookline, Mass	BE2-2425
Va	L D Lowery Inc	4508 Annapolis Rd, Bladensburg, Md	UN4-4722
Wash	Northwestern Agencies	4130 1st Ave, S., Seattle 4, Wash	MA3-8882
W. Va	Mike Roth Sales Co	13947 Cedar Rd, Cleveland 18, Ohio	YE2-4262
Wisc	R C Whitmore Associates	520 N. Michigan, Chicago 11, Ill	MO4-1904
Wyo	Franklin Sales Co	2149 S. Clermont, Denver 22, Colo	SK7-1371
Foreign	Rocke International Corp	13 E. 40 St, New York 16, NY	MU9-0200
	U S COMPONENTS INC	**454 E. 148 St, New York 55, NY**	**CY2-6525**
Ala	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Ariz	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Ark	Packard Associates	404 Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Cal	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Cal	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
Colo	Hyde Electronic Co	888 S. Lipan St, Denver, Colo	WE6-3456
Conn	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Del	C H Newson & Associates Inc	813 Bethlehem Pike, Philadelphia 18, Pa	CH8-3377
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	UN6-6664
Fla	Jack Geartner Co	711 Magnolia Ave, Orlando, Fla	GA4-3926
Ga	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Ill	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ind	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
Iowa	R C Whitmore & Associates	520 N. Michigan Ave, Chicago, Ill	MO4-1904
La	Packard Associates	404 Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Md	C H Newson & Associates Inc	17 Croftley Rd, Lutherville, Md	VA3-0431
Mass	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Mich	Nelson J Clark	17136 E. Warren Ave, Detroit, Mich	TU5-1723
Nev	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Nev	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8211
NH	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
NJ	A L Livera & Associates	4 Green Village, Madison, NJ	FR7-3220
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque,	AM8-1111
NY	A L Livera & Associates	1551 Franklin Ave, Mineola, NY	PI7-3220
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Ohio	Walter J Brauer & Associates	15631 Lakewood Heights Blvd, Cleveland,	LA1-7268
Okla	Packard Associates	404 Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Pa	C H Newson & Associates Inc	813 Bethlehem Pike, Philadelphia 18, Pa	CHB-3377
Pa	Walter J Brauer & Associates	15631 Lakewood Hgts Blvd, Cleve, Ohio	LA1-7268
RI	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
SC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Tenn	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Tex	Packard Associates	404 Love Field Terminal Bldg, Dallas, Tex	FL7-5713
Utah	Hyde Electronic Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Vt	Charles Segel Co	1262 Commonwealth Ave, Boston, Mass	BE2-2555
Va	C H Newson & Associates	17 Croftley Rd, Lutherville, Md	VA3-0431
Va	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Canada	J J MacOuarrie	54 Newcastle St, Toronto 18, Canada	
Foreign	Comerso	30 Boul Bonne Nouvelle, Paris, France	
Foreign	Alfa Societe Ind Alfa, S A	80 Rue De LaSenne, Brussels, Belgium	
Foreign	Maurits Andersen	54 H C Orstedsvej, Copenhagen, Denmark	
Foreign	Cesa Electronica	Via Teuere 20, Rome, Italy	

	U S CONTROLS INC	**410 Fourth Ave, Brooklyn, NY**	**MA4-7507**
Cal	Dima-Sales Corp	4645 E. Olympic Blvd, Los Angeles, Cal	
Mich	Wedco	15736 Wyoming, Detroit, Mich	LO3-1450
Mich	John N Perry Co	2339 Oakwood Dr, E. Grand Rapids	CH3-9320
NJ	Norman Brazor Co	1060 Broad St, Newark, NJ	BO9-8845
NY	Lane Engineering	1807 Elmlood Ave, Buffalo 7, NY	RI0770
Ohio	Arthur N Ulrich Co	Box 6584, Bexley Bra, Columbus 9, Ohio	BE7-3064
Ohio	Arthur N Ulrich Co	Box 488, Willoughby, Ohio	WH6-2033
Utah	Sherman Nabaum Co	4777 S. 13 St, Salt Lake City, Utah	CR7-0459

	US DIELECTRIC PRODUCTS INC	**90 Adams St, Leominster, Mass**	**KE4-8311**

	U S DYNAMICS INC	**10 Dedham St, Newton Highlands, Mass**	**WO5-9255**
Ala	Kenneth F Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Cal	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
Ariz	Chafin & Associates	1541 W. Olympic Blvd, Los Angeles, Cal	DU5-3955
Conn	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Del	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
DC	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Fla	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Ga	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Kan	Daseco	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
Ky	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Me	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Me	Lincoln Supply	1139 Main St, Pawtucket, RI	PA6-5800
Md	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Mass	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Mo	Daseco	7603 Forsyth Blvd, St. Louis, Mo	PA1-6403
NH	Lincoln Supply Co	1139 Main St, Pawtucket, RI	PA6-5800
NJ	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
NY	The Redford Corp	262 Saratoga Rd, Scotia, NY	EX9-1124
NC	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Pa	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
RI	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
RI	Lincoln Supply	1139 Main St, Pawtucket, RI	PA6-5800
SC	Thomas Co	998 Farmington Ave, W. Hartford, Conn	AD3-8547
Vt	Thomas	998 Farmington Ave, W. Hartford, Conn	AD3-8547
W. Va	Thomas	998 Farmington Ave, W. Hartford, Conn	AD3-8547

	U S ELECTRICAL MOTORS INC	**200 E. Slauson Ave, L A 54, Cal**	**AD3-3131**
Ala	Hazer Equipment Co	P.O. Box 1005, Birmingham, Ala	
Ariz	U S Electrical Motors Inc	114 E. Roosevelt St, Phoenix, Ariz	AL8-2593
Ark	Mill & Mine Supply Co	105 W. First St, Little Rock, Ark	
Cal	U S Electrical Motors Inc	564 Fourth St, San Francisco 7, Cal	GA1-7625
Cal	U S Electrical Motors Inc	155 Van Ness, Fresno 1, Cal	AM6-0689
Cal	U S Electrical Motors Inc	719 K St, Sacramento, Cal	HI6-6556
Colo	U S Electrical Motors Inc	40 W. 49th Ave, Denver 16, Colo	MA3-0281
Conn	U S Electrical Motors Inc	Old Gate Ln, Milford, Conn	TR4-2551
DC	A B C Electric Motor Service Inc	115 L St, S.E., Wash, DC	
Fla	U S Electrical Motors Inc	3404 Kensington Ave, Tampa 9, Fla	2-8480
Ga	U S Electrical Motors Inc	3127 Maple Dr, N.E., Atlanta 5, Ga	CE7-8658
Hawaii	Electric Steel	Box 1920, Honolulu, Hawaii	
Idaho	Western Bearings Inc	520 Front St, Boise, Idaho	
Ill	U S Electrical Motors Inc	6551 W. Belmont Ave, Chicago 34, Ill	TU9-6242
Ind	U S Electrical Motors Inc	709 E. 38th St, Indianapolis 5, Ind	WA3-2407
Iowa	U S Electrical Motors Inc	Kahl Bldg, Davenport, Iowa	3-5211
Kan	U S Electrical Motors Inc	905 N. 7th St, Kansas City, Kan	MA1-5871
Ky	U S Electrical Motors Inc	Box 305, Buechel Sta, Louisville 18, Ky	JU5-2829
La	U S Electrical Motors Inc	1117 N. Rampart St, New Orleans 16, La	JA2-2625
Me	Stanley J Leen Co., Inc	35 Union St, Portland, Me	
Md	U S Electrical Motors Inc	610 Washington Ave, Baltimore 4, Md	VA5-8690
Mass	U S Electrical Motors Inc	25 Huntington Ave, Boston 16, Mass	CO7-4910
Mich	U S Electrical Motors Inc	25101 Plymouth Rd, Detroit 39, Mich	KE4-3994
Minn	U S Electrical Motors Inc	2395 University Ave, St. Paul 4, Minn	MI5-8168
Miss	Stewart-Ramey Co	205 E. Rankin St, Jackson, Miss	
Mo	James B Flaherty Co	Drawer D, St. Louis 5, Mo	
Mont	Power Transmission Equipment Co	P. O. Box 988, Billings, Mont	
Neb	U S Electrical Motors Inc	120 S. Hastings St, Hastings, Neb	2-5304

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Nev	Reliable Bearing & Supply	2700 S. Highland Ave, Las Vegas, Nev	
NH	Perkins Bassett & Wright Inc	391 W. St, Keene, NH	
NJ	U S Electrical Motors Inc	54 Broadway, Newark 4, NJ	HU4-0100
NM	Smith Machinery Co	512 E. Second St, Roswell, NM	
NY	U S Electrical Motors Inc	90 West St, New York 6, NY	RE2-1720
NY	U S Electrical Motors Inc	405 Seymour St, Syracuse 4, NY	GR6-3131
NC	U S Electrical Motors Inc	5028 Furman Pl, Charlotte, NC	FR5-2766
Ohio	U S Electrical Motors Inc	3202 St. Clair Ave, Cleveland 14, Ohio	TO1-7188
Ohio	U S Electrical Motors Inc	P. O. Box 4433, Columbus 12, Ohio	CA1-6050
Okla	William H Mason Co	801 W. 23rd St, Tulsa, Okla	
Ore	J W Minder Chain & Gear Co	307 S.E. Hawthorne Blvd, Portland, Ore	
Pa	U S Electrical Motors Inc	1421 Chestnut St, Philadelphia 2, Pa	LO4-4477
Pa	U S Electrical Motors Inc	Bessemer Bldg, Pittsburgh 22, Pa	AT1-8844
RI	Machine Parts Corp	271 Washington St, Providence, RI	
SC	B L Montague Co	E. Liberty St, Sumter, SC	
Tenn	U S Electrical Motors Inc	3387 Poplar Ave, Memphis, Tenn	FA7-3551
Tex	U S Electrical Motors Inc	1605 Levee St, Dallas, Tex	RI1-5927
Utah	U S Electrical Motors Inc	1197 S. State St, Salt Lake City, Utah	EM4-5219
Vt	Green Mountain Electric Inc	Union St, Newport, Vt	
Va	U S Electrical Motors Inc	7616 Bryn Mawr Rd, Richmond 29, Va	MI9-0461
Wash	U S Electrical Motors Inc	3427 Fourth Ave, S., Seattle 4, Wash	MA4-0614
W. Va	Gee Electric Co	1406 Main St, Wheeling, W. Va	
Wisc	U S Electrical Motors Inc	1324 W. Wisconsin Ave, Milwaukee 3, Wisc	DI4-1793
Wyo	Industrial Distributors	Box 1171, Casper, Wyo	

	U S ELECTRONICS CORP	**276 Warren St, Lyndhurst, NJ**	**GE8-2400**
NY	Kaelber & Mack Sales Agency	1 Park Ave, Manhasset, NY	
Ohio	Thal Mor Associates Inc	11 W. Monument Ave, Dayton 2, Ohio	

	U S ENGINEERING CO DIV LITTON INDUSTRIES	**13536 Saticoy St, Van Nuys, Cal**	**ST6-9381**
Ariz	Fryco	478 Scottsdale Rd, Scottsdale, Ariz	WH5-8071
Cal	G. M. Howard & Assoc	1301 6th, at Hubbell, San Franc, Cal	MA1-6759
Fla	Jack Geartner Co	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	D. Dolin Sales	3554 W. Peterson Av, Chicago 45, Ill	JU9-3738
Ind	Scott & Steffen	915 Penn, Indianapolis, Ind	
Ky	Scott & Steffen	366 Francis Bldg, Louisville 2,	JU3-3220
La	Jack F. McKinney Sales	1102 Fairway, Kenner, La	KE4-5869
Md	Andco Sales Engrg Inc	5118 Baltimore Ave, Hyattsville, Md	AP7-4342
Mass	Jack D. Decker	40 Berkley St, Waltham 54, Mass	TW3-2682
Mich	Burcaw-Cowan & Co	22128 Grand Rivers, Detroit 19, Mich	MA6-1813
Minn	D. A. Schultz Co	801 SE 8th St, Minneapolis 14, Minn	FE9-7701
Mo	R. F. Carlson Co	120 N. Gay Ave, St. Louis 5, Mo	PA5-4122
NY	U.S. Engineering Co	215 S Fulton Ave, Mt. Vernon, NY	MT7-6607
Ohio	Scott & Steffen	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Jack F. McKinney Sales	8512 E. 32nd St, Tulsa 35, Okla	TE5-4730
Pa	Andco Sales-Engrg Inc	5823 Greene St, Philadelphia 44, Pa	VI4-9100
Tex	Jack F. McKinney Sales	1303 Chemical Road, Dallas 7, Tex	RI1-1368
Wash	J. K. Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Wisc	D. Dolin Sales	5219 N. Hopkins St, Milwaukee, Wisc	

	U S GAUGE DIV AMER MACH & METALS INC	**Sellersville, Pa**	

	US GEAR CORP	**81 Bay State Rd, Wakefield, Mass**	**CR6-4900**
Ark	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Cal	Electro-Mechanical Instruments Inc	4976 Eagle Rock Blvd, Los Angeles	CL4-2841
Del	Sanford & Co	221 Benson E., Jenkintown, Pa	
DC	J M Kalista Jr	232 E. 25th St, Baltimore 18, Md	BE5-2780
Fla	Frank F Becker	17715 Gulf Blvd, St. Petersburg, Fla	
Ind	Scott & Steffen	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Ky	Scott & Steffen Inc	366 Francis Bldg, Louisville 2, Ky	
Md	J M Kalista Jr	232 E. 25th St, Baltimore 18, Md	BE5-2780
NJ	Sanford & Co	221 Benson E., Jenkintown, Pa	
NJ	James Kendall	52 Walnut St, Newark 2, NJ	MA2-4493
NY	R S Christie & Co	175 Fifth Ave, New York, NY	GR7-4226
NY	Robert C Smith	P.O.Box 12, Canandaigua, NY	
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Okla	Ammon & Woods Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Pa	Sanford & Co	221 Benson E., Jenkintown, Pa	
Pa	Scott & Steffen	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Tenn	J M Kalista Jr	232 E. 25th St, Baltimore, Md	BE5-2780
Tex	Ammon & Wood Associates	5602 E. Mockingbird Ln, Dallas, Tex	TA6-4171
Va	J M Kalista Jr	232 E. 25th St, Baltimore 18, Md	BE5-2780
W. Va	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
Canada	Randall Intnl Canada (Ltd)	126 Manville Rd, Scarborough, Ontario	PL9-2291

	U S GRAPHITE CO DIV THE WICKES CORP	**Saginaw 32, Mich**	**PL5-0441**

	US HOFFMAN MACHINERY CORP	**103.4th Ave, New York 3, NY**	**OR7-3600**

	U S INSTRUMENT CORP	**Box 1191, Charlottesville, Va**	**CH3-5153**

	US NUCLEAR CORP	**801 N. Lake St, Burbank, Cal**	**VI9-6176**
Ill	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ind	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Ky	Ben Z Rubin Co	607 N. Grove Ave, Oak Park, Ill	EU3-0171
Mich	Ben Z Rubin Co	16130 Myers Rd, Detroit 35, Mich	UN4-4958
Ohio	Ben Z Rubin Co	515 E. Grand Ave, Springfield, Ohio	FA2-5893
Wisc	Ben Z Rubin Co	16130 Myers Rd, Detroit 35, Mich	UN4-4958

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Foreign	Frazer & Hansen Inc	301 Clay St, San Francisco, Cal	EX2-5112

	U.S. PLYWOOD CORP	**55 W. 44 St, New York 17, NY**	**MU2-1900**

	UNITED STATES RADIUM CORP	**P.O.Box 246, Morristown, NJ**	**JE9-4000**
Ala	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
Ariz	U S Radium Corp	5420 Vineland Ave, N. Hollywood, Cal	ST7-0247
Ark	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Cal	U S Radium Corp	5420 Vineland Ave, N. Hollywood, Cal	ST7-0247
Colo	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Fla	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
Ga	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
Idaho	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Ill	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Ind	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Iowa	R G Ragon	1406 W. Idaho Ave, St. Paul, Minn	MI6-6637
Kan	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Ky	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
La	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Mich	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Minn	R G Ragon	1406 W. Idaho Ave, St. Paul, Minn	MI6-6637
Miss	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
Mo	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Neb	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Nev	U S Radium Corp	5420 Vineland Ave, N. Hollywood, Cal	ST7-0247
NM	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
ND	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Ohio	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Okla	U S Radium Corp	1405 Garland Dr, Oklahoma City, Okla	GA4-1672
Ore	U S Radium Corp	5420 Vineland Ave, N. Hollywood, Cal	ST7-0247
Pa	U S Radium Corp	Bloomsburg, Pa	ST4-3510
SC	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
SD	U S Radium Corp	5942 W. Chicago Ave, Chicago, Ill	MA6-4678
Tenn	Aeromart Inc	3230 Peachtree Rd, N.E., Atlanta, Ga	CE3-6519
Tex	U S Radium Corp	1405 Garland Ave, Oklahoma City, Okla	GA4-1672
Utah	U S Radium Corp	1405 Garland Ave, Oklahoma City, Okla	GA4-1672
Wash	U S Radium Corp	5420 Vineland Ave, N. Hollywood, Cal	ST7-0247
Wisc	R G Ragon	1406 W. Idaho Ave, St. Paul, Minn	MI6-6637
Wyo	U S Radium Corp	1405 Garland Ave, Oklahoma City, Okla	GA4-1672
Foreign	U S Radium Corp - Europe	36 Ave Krieg, Geneva, Switzerland	36 98 53
Canada	Radelin Limited	106 Lakeshore Rd, Port Credit, Ontario	CR8-5301

	U S RECORDING CO	**1345 Capitol St, Wash, DC**	**LI3-2705**

	US RELAY-ELECTRONICS	**717 N. Coney Ave, Azusa, Cal**	**ED4-8206**
Ala	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ariz	Rowe Sales Co	323 E. McDowell, Phoenix, Ariz	WH5-9501
Ark	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Cal	Marshank Sales Co	7422 Melrose Ave, Los Angeles 46, Cal	WE8-2591
Colo	Franklin Sales Co	2149 S. Clermont St, Denver, Colo	AM6-1552
Conn	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Del	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
DC	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Fla	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ga	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Idaho	Franklin Sales Co	2149 S. Clermont St, Denver, Colo	AM6-1552
Ill	J E Goode Sales Co	325 W. Huron St, Chicago 10, Ill	MI2-2022
Ind	J E Goode Sales Co	325 W. Huron St, Chicago 10, Ill	MI2-2022
Kan	Tex-O-Koma Sales Co	235 S.E. 14th St, Grand Prairie, Tex	AN2-0866
Ky	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Me	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Md	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Mass	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Mich	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit 35	VE7-1560
Minn	Fred Peterson Co	2431 Hennepin, Minneapolis, Minn	FR7-3025
Miss	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta 5, Ga	CE7-0788
Mo	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
Nev	Win W Tompkins Sales Co	3944 El Camino Real, Palo Alto, Cal	DA6-7940
NH	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
NJ	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
NM	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
NY	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
NC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Ohio	Aironic Accessory Co., Inc	19971 James Couzens Hwy, Detroit, Mich	VE7-1560
Ohio	Aironic Accessory Co., Inc	4 Eswin St, Cincinnati 18, Ohio	WE1-0930
Okla	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
Pa	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
RI	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
SC	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Tenn	Aironic Accessory Co., Inc	3179 Maple Dr, Atlanta, Ga	CE7-0788
Tex	Tex-O-Koma Sales Co	Box 747, Grand Prairie, Tex	AN2-0866
Utah	Franklin Sales Co	2149 S. Clermont St, Denver, Colo	AM6-1552
Vt	Aironic Accessory Co., Inc	161 Orinoco Dr, Brightwaters, NY	MO6-6510
Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Wash	Norwest Co	210 N. 36th St, Seattle 3, Wash	ME3-3232
W. Va	Aironic Accessory Co., Inc	518 Virginia Ave, Baltimore 4, Md	VA3-3350
Wisc	Fred Peterson Co	2431 Hennepin, Minneapolis, Minn	FR7-3025
Canada	C-H Engineering Co	Box 280, Smith Falls, Ontario, Canada	SF1108

	U S RUBBER CO	**1230 Ave of the Americas, New York 20, NY**	**CI7-5000**

	U S SCIENCE CORP	**5221 W. 102nd St, Los Angeles 45, Cal**	**SP6-0450**
Ariz	Charles Tuchschmidt	9151 N. 9th Ave, Phoenix, Ariz	WI3-5312
Cal	F W New Co	7440 Girard Ave, LaJolla, Cal	
DC	J R Halota	910 17th St, N.W., Washington 6, DC	DI7-8708

Fla	C L Proctor	Box 3185, Orlando, Fla	GA4-8485
Mo	D G Phillips	4 Harteuse Pl, St. Louis 8, Mo	FO7-1222
NY	Dynamic Sales Corp	157 Broad St, Red Bank, NJ	SH7-5353
NY	J K Gyurian	915 Cayuga St, Rome, NY	RO5654
Ohio	V E Caldwell	216 N. Main St, Dayton 2, Ohio	BA4-5050
Tex	Ken Young	1122 Kings Hwy, Dallas 7, Tex	WH8-8032
Utah	Brown Technical & Associated Sales	130 S. Yarrow St, Denver 26, Colo	BE7-3467
Wash	Bruce Layne	19605 Military Rd, Seattle 88, Wash	TA4-1596
Foreign	Intercontl Avia Services Inc	8961 Sunset Blvd, Los Angeles, Cal	CR4-7578

U S SEMICONDUCTOR PRODS DIV

	UNITED INDUSTRIAL CORP	**3540 W. Osborn Rd, Phoenix, Ariz**	**BR2-1341**
Ala	Buchanan & Abrams Associates Inc	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Alaska	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ariz	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Cal	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
Colo	Brown Technical & Associated Sales	130 S. Yarrow St, Lakewood 15, Colo	BE7-3467
Conn	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
Del	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
DC	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
Fla	Buchanan & Abrams Associates Inc	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Ga	Buchanan & Abrams Associates Inc	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Idaho	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Ill	David R Hausten	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Ill	Halgin Sales	5920 Nall, Mission, Kan	
Ind	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Iowa	David R Hausten	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Ky	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Md	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
Mass	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
Mich	S Sterling Co	15310 W. McNichols, Detroit 35, Mich	BR3-2900
Minn	Marvin H Kirkeby	204 Sunnyridge Ln, Minneapolis 22, Minn	FR7-3239
Miss	Buchanan & Abrams Associates Inc	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Mont	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Nev	Kittleson Co	416 N. LaBrea Ave, Los Angeles 36, Cal	WE3-7371
Nev	Kittleson Co	809 San Antonio Rd, Palo Alto, Cal	DA6-7410
NH	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
NJ	Comtronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NJ	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
NM	Kittleson Co	Box 803, Alamogordo, NM	HE7-2780
NY	I A Hotze Co., Inc	112 Dewitt St, Syracuse, NY	GR9-6641
NY	Comtronic Associates	1551 Franklin Ave, Mineola, NY	PI1-8966
NC	K O Brown & Co	Box 1791, Greensboro, NC	BR3-5973
ND	Marvin H Kirkeby	204 Sunnyridge Ln, Minnpls 22, Minn	FR7-3239
Ohio	McFadden Sales Co	150 E. Broad St, Columbus 15, Ohio	CA1-3363
Okla	Lawrence Sales Co	Box 13026, Dallas 20, Tex	FL2-7484
Ore	Burt C Porter Co., Inc	Box 7854, Portland 12, Ore	AT4-1718
Pa	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27, Pa	TU4-5515
RI	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
SC	K O Brown & Co	Box 1791, Greensboro, NC	BR3-5973
SD	Marvin H Kirkeby	204 Sunnyridge Ln, Minnpls 22, Minn	FR7-3239
Tenn	Buchanan & Abrams Associates Inc	1224-26 E. Colonial Dr, Orlando, Fla	GA3-8995
Tex	Lawrence Sales Co	Box 13026, Dallas 20, Tex	FL2-7484
Tex	Kittleson Co	Box 803, Alamogordo, NM	HE7-2780
Utah	Brown Technical & Associated Sales	130 S. Yarrow St, Lakewood, Colo	BE7-3467
Vt	Instrument Associates	30 Park Ave, Arlington, Mass	MI8-2922
Va	K O Brown & Co	Box 1791, Greensboro, NC	BR3-5973
Wash	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Wisc	David R Hausten	607 E. Willow Ave, Wheaton, Ill	MO8-7312
Wisc	Marvin H Kirkeby	204 Sunnyridge Ln, Minnpls 22, Minn	FR7-3239
Wyo	Brown Technical & Associated Sales	130 S. Yarrow St, Lakewood 15, Colo	BE7-3467
Canada	Burt C Porter Co., Inc	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Canada	Whittaker Electronics Ltd	2137 Niagara Dr, Ottawa, Ontario, Can	CE4-4686
Foreign	Milano Bros	250 W. 57 St, New York 19, NY	CI6-0375

	US SONICS CORP	**625 McGrath Hwy, Somerville 45, Mass**	**MO6-5100**
Ala	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ariz	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles, Cal	NO3-8028
Ark	Packard Associates	404 Love Field, Term Bldg, Dallas, Tex	FL7-5713
Cal	Paul F Wiley Co	1632 Silverlake Blvd, Los Angeles, Cal	NO3-8028
Conn	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
Del	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
DC	Wally Shulan & Co	880 Bergen Ave, Jersey City 6, NJ	SW5-2220
Fla	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ga	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
Ind	R O Whitesell & Associates	6620 E. Washington St, Indianapolis	
Iowa	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Kan	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Ky	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	
La	Packard Associates	404 Love Field, Term Bldg, Dallas, Tex	FL7-5713
Md	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Mich	Grant Shaffer Co	14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Miss	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
Mo	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Neb	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
NJ	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NY	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
NC	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
ND	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Ohio	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	
Okla	Packard Associates	404 Love Field, Term Bldg, Dallas, Tex	FL7-5713
Pa	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
Pa	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	
SC	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
SD	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457
Tenn	J E Joyner & Associates	Box 10821, Sta A, Atlanta, Ga	PL5-4336
Tex	Packard Associates	404 Love Field, Term Bldg, Dallas, Tex	FL7-5713

Va	Wally Shulan & Co	880 Bergen Ave, Jersey City, NJ	SW5-2220
W. Va	R O Whitesell & Associates	6620 E. Washington, Indianapolis, Ind	
Wisc	The Heimann Co	1711 Hawthorne Ave, Minneapolis, Minn	FE2-6457

	U S STEEL CORP	**525 Wm. Penn Pl, Pittsburgh 30, Pa**	**EX1-2345**
Conn	U S Steel Corp	37 Lewis St, Hartford 3, Conn	
Ill	U S Steel Corp	208 S. La Salle St, Chicago 90, Ill	
Ind	U S Steel Corp	320 N. Meridian St, Indianapolis 6, Ind	
Md	U S Steel Corp	300 St. Paul Pl, Baltimore 2, Md	
Mass	U S Steel Corp	20 Providence St, Boston 16, Mass	
Mich	U S Steel Corp	General Motors Bldg, Detroit 2, Mich	
Minn	U S Steel Corp	334 Minnesota St, St. Paul 1, Minn	
Mo	U S Steel Corp	101 W. 14th St, Kansas City 5, Mo	
Mo	U S Steel Corp	1221 Locust St, St. Louis 3, Mo	
NY	U S Steel Corp	424 Main St, Buffalo 2, NY	
NY	J S Steel Corp	71 Broadway, New York 6, NY	
Ohio	U S Steel Corp	4th & Walnut Sts, Cincinnati, Ohio	
Ohio	U S Steel Corp	526 Superior Ave, Cleveland 14, Ohio	
Pa	U S Steel Corp	1617 Pennsylvania Blvd, Phila 3, Pa	
Wisc	U S Steel Corp	206 E. Wisconsin Ave, Milwaukee 1, Wisc	

	US TESTING CO., INC	**1415 Park Ave, Hoboken, NJ**	**SY2-2400**
Cal	U S Testing Co., Inc	1723 S. Maple Ave, Los Angeles 15, Cal	RI7-8264
Colo	U S Testing Co., Inc	2600 W. 29th Ave, Denver 11, Colo	GE3-6491
Mass	U S Testing Co., Inc	288 A St, Boston 10, Mass	HA6-8151
NY	U S Testing Co., Inc	Port Authority Bus Term, New York, NY	CH4-8130
Okla	U S Testing Co., Inc	609 S. Peoria Ave, Tulsa 20, Okla	LU2-6134
Pa	U S Testing Co., Inc	3925 M St, Philadelphia 24, Pa	CU8-0326
Tenn	U S Testing Co., Inc	214 Cotton Exchange Bldg, Memphis	JA6-4231
Tex	U S Testing Co., Inc	1700 Cotton Exchange Bldg, Dallas, Tex	RI7-8179
Tex	U S Testing Co., Inc	202 Cotton Exchange Bldg, Brownsville	LI2-7111

	U S TIME CORP	**342 Tejon Pl, Palos Verdes Est, Cal**	**FR5-9540**
Conn	U S Time Corp	Waterbury, Conn	PL9-2444
NY	U S Time Corp	375 Park Ave, New York, NY	PL9-5665

	U S TIME CORP GYRO DIV	**375 Park Ave, New York 22, NY**	**PL9-5665**
Cal	United States Time Corp	346 Tejon Pl, Palos Verdes Estates, Cal	FR5-9526

	US TRANSISTOR CORP	**51 Eileen Way, Syosset, NY**	**WA1-5800**

	U S WIRE & CABLE CORP	**Progress & Monroe Sts, Union 50, NJ**	**MU8-1100**

	UNITED WIRE & SUPPLY CORP	**1497 Elmwood, Providence 7, RI**	**ST1-3900**
Ill	United Wire & Supply Corp	6025 S. New England Ave, Chicago, Ill	LU6-3050

	UNITIZED ELECTRONICS INC	**4791 Memphis Ave, Cleveland, Ohio**	**FL1-9290**

	UNIVERSAL-AUTOMATIC CORP	**9545 Aiselle, Schiller Park, Ill**	

	UNIVERSAL CIRCUIT CONTROLS	**3610 Oakton St, Skokie, Ill**	**OR5-2620**
Cal	E W Bohn Co	Box 45293, Airport Sta, Los Angeles 45,	OR4-2438
Ind	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis, Ind	HU8800
Ky	Wright Engineering Corp	4241 Melbourne Rd, Indianapolis, Ind	HU8800
Mich	Michaels Industrial Controls	6460 Thurber, Birmingham, Mich	MA6-1606
NJ	Irwin Brill	250 Mt. Vernon Pl, Newark 6, NJ	ES1-2257
NY	S Glassman & Associates	28 Prestwick Terr, Glen Cove, NY	OR6-1039
Ohio	Geory Sales Co	19555 Henry Rd, Cleveland, Ohio	EO1-1500
Ore	R W Rieder Co	P.O. Box 4947, Portland	BE6-4936
Pa	Beil & Whitaker Inc	3623 Jacksonwald Ave, Reading, Pa	FR5-6837
Wash	R W Rieder Co	P.O. Box 4947, Portland, Ore	BE6-4936
Canada	Robert W Stark	32 Plaunt St, N., Renfrew, Ontario, Canada	HE2-4358

	UNIVERSAL CONDENSER CO	**3435 N. Kimball Ave, Chicago, Ill**	**CO7-3933**
Cal	W E Zimmerman Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-1181
Ill	Gus Nevo	6271 W. North Ave, Chicago, Ill	TU9-1521
NJ	Cooper-DiBlase Co	90 Main St, Port Washington, NY	PT7-0470
NY	Cooper-DiBlase Co	90 Main St, Port Washington, NY	PT7-0470
Ohio	Technical Sales Associates	Box 187, N. Dayton Sta, Dayton, Ohio	VI5-3788

	UNIVERSAL DRAFTING MACHINE CORP	**7960 Lorain Ave, Cleveland 8, Ohio**	**OL1-4747**
Conn	Spaulding Moss Co	35 Broadway, N. Haven, Conn	LI2-3000
Ill	Eugene Dietzgen Co	2425 Sheffield Ave, Chicago, Ill	LI9-3300
Ill	Frederick Post Co	3650 N. Avondale, Chicago 90, Ill	KE9-7000
Mass	Spaulding-Moss Co	401 Summer St, Boston 10, Mass	
NY	Defiance Sales Corp	370 Lexington Ave, New York 3, NY	LE2-4854
NY	Defiance Sales Corp	605 Valley Rd, Upper Montclair, NJ	
NY	Defiance Sales Corp	1214 Arch St, Philadelphia, Pa	
Pa	B K Elliott Co	536 Pennsylvania Ave, Pittsburgh 22, Pa	GR1-3660
Pa	B K Elliott Co	634 Huron Rd, Cleveland, Ohio	
Pa	B K Elliott Co	1700 Niagara St, Buffalo, NY	
Pa	B K Elliott Co	10136 Puritan St, Detroit, Mich	

Pa	B K Elliott Co	3106 Park, Birmingham, Ala	

	UNIVERSAL ELECTRIC CO	**300 E. Main St, Owosso, Mich**	**SA5-7174**
Ariz	Universal Electric Co	7543 Santa Monica Blvd, L A 46, Cal	HO4-8157
Cal	Universal Electric Co	7543 Santa Monica Blvd, Los Angeles 46,	HO4-8157
Conn	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
Ill	Universal Electric Co	5150 W. Madison St, Chicago 44, Ill	ES9-2490
Ind	Universal Electric Co	453 N. Emerson Ave, Indianapolis 19,	FL6-2149
Iowa	Universal Electric Co	P.O. Box 38, Elsah, Ill	HO2-5651
Kan	Universal Electric Co	P.O. Box 38, Elsah, Ill	HO2-5651
Md	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
Mass	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
Minn	Universal Electric Co	5150 W. Madison St, Chicago 44, Ill	ES9-2490
NJ	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
NY	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
Ohio	Universal Electric Co	2499 Swansea Rd, Columbus 21, Ohio	HU6-2794
Okla	Universal Electric Co	2656 Freewood Dr, Dallas 20, Tex	FL1-9993
Pa	Universal Electric Co	993 Farmington Ave, W. Hartford 7, Conn	AD3-4778
Tex	Universal Electric Co	2656 Freewood Dr, Dallas 20, Tex	FL1-9993
Wash	Gardner Distributing Co	1827 Broadway, Seattle 22, Wash	EA1164
Wisc	Universal Electric Co	5150 W. Madison St, Chicago 44, Ill	ES9-2490

	UNIVERSAL ELECTRONICS CO	**1720 22nd St, Santa Monica, Cal**	**EX3-9219**
Conn	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Idaho	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	
Ky	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
Me	The Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Mass	The Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Mich	Electro-Mec Associates	4012 E. Nine Mile Rd, Warren, Mich	JE6-1000
Minn	Ray Ripley	7222 James Ave, S., Minneapolis 23,	UN6-8682
NH	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NJ	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
NC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
ND	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Ohio	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton 32,	CH4-2744
Ore	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	
Pa	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Pa	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
RI	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
SC	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
SD	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Tenn	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Vt	Industron Co	300 Northern Blvd, Great Neck, NY	HU7-2620
Va	Jake Rudisill Associates	1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	
W. Va	Ohio Instrument Co	7316 Winston Churchill Dr, Dayton, Ohio	CH4-2744
Wisc	Ray Ripley	7222 James Ave, S., Minneapolis 23, Minn	UN6-8682
Foreign	Frazar & Hanson Ltd	301 Clay St, San Francisco, Cal	EX2-5112

	UNIVERSAL MFG CO., INC	**1168EB Grove St, Irvington 11, NJ**	**ES4-9800**

	UNIVERSAL MATCH CORP ARMAMENT DIV	**St. Louis 35, Mo**	**JA2-1620**
Cal	Universal Match Corp	6850 Van Nuys Blvd, Van Nuys, Cal	
DC	Universal Match Corp	1413 K St. N.W., Washington 5, DC	

	UNIVERSAL MICROPHONE CO	**2610 Wilis Ln, Costa Mesa, Cal**	**LI8-4265**

	UNIVERSAL RELAY CORP	**42 E. White St, New York 13, NY**	**WA5-9257**
Tex	Fleming Engineering	7001 Glen Hill Rd, Ft. Worth, Tex	

	UNIVERSAL TOROID COIL WINDING INC	**171EB Colt St, Irvington, NJ**	**ES4-9806**

	UNIVERSAL TRANSISTOR PRODUCTS CORP	**36 Sylvester St, Westbury, NY**	**ED3-3304**
Alaska	Northwest Sales & Engrg Serv Co	915 Term Sales Bldg, Seattle, Wash	MA2-8860
Cal	Wallace & Wallace	1206 Maple Ave, Los Angeles, Cal	RI7-0401
Cal	Northwest Sales & Engrg Serv Co	420 Market St, San Francisco, Cal	EX2-8154
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford 7, Conn	AD6-3265
Del	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
DC	Fred Israel Associates	733 15th St, N.W., Washington, DC	EX3-5991
Fla	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Ga	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Idaho	Northwest Sales & Engrg Serv Co	915 Term Sales Bldg, Seattle, Wash	MA2-8860
Ind	Midwest Sales Co	9440 Marloe, Plymouth, Mich	
Ky	Midwest Sales Co	9440 Marloe, Plymouth, Mich	
Me	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Md	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
Mass	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Mich	Midwest Sales Co	9440 Marloe, Plymouth, Mich	
Mont	Northwest Sales & Engrg Serv Co	915 Term Sales Bldg, Seattle, Wash	MA2-8860
Nev	Wallace & Wallace	1206 Maple Ave, Los Angeles, Cal	RI7-0401
NH	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
NJ	A-D Associates	297 Green Brook Rd, N. Plainfield, NJ	PL5-6766
NJ	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
NY	A-D Associates	891 Fulton St, Valley Stream, NY	VA5-8955
NC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Ohio	Midwest Sales Co	3219 W. 117th St, Cleveland 11, Ohio	WI1-2700
Okla	Delzell Sales Co	643 Coombs Creek Dr, Dallas, Tex	FE1-6081

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ore	Northwest Sales & Engrg Serv Co	915 Term Sales Bldg, Seattle, Wash	MA2-3860
Pa	Midwest Sales Co	9440 Marloe, Plymouth, Mich	
Pa	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-3325
RI	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
SC	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Tex	Delzell Sales Co	643 Coombs Creek Dr, Dallas, Tex	FE1-6081
Vt	Zaslow Sales Co	371 Howard St, Northboro, Mass	EX3-8150
Va	Buthan Inc	4924 Oleander Dr, Wilmington, NC	RO2-5749
Wash	Northwest Sales & Engrg Serv Co	915 Term Sales Bldg, Seattle, Wash	MA2-3860
W. Va	Midwest Sales Co	9440 Marloe, Plymouth, Mich	
Canada	Conway Electronic Enterprises	1514 Eglinton Ave.,W., Toronto, Ontario	RU3-6576
Foreign	Aeromaritime Inc	1700 Penn Ave, N.W., Washington, DC	ME8-3543

UNIVERSITY LOUDSPEAKERS — **80 S. Kensico Ave, White Plains, NY** — **WH6-7700**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
Alaska	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA7-3380
Ariz	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
Ark	Cartwright & Bean	560 Cooper St, Memphis, Tenn	BR5-1914
Ark	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Cal	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Cal	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
Colo	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Conn	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Del	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
DC	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
Fla	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
Ga	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
Hawaii	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Idaho	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA7-3380
Idaho	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Ill	George Pettitt Co	349 N. Ashland Ave, River Forest, Ill	CO1-0342
Ind	Robert O Whitesell	6600 E. Washington, Indianapolis, Ind	FL9-5374
Iowa	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Kan	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Ky	Robert O Whitesell	6600 E. Washington, Indianapolis, Ind	
Ky	Les A Morrow Co	3123 W. 117 St, Cleveland, Ohio	CL1-5700
La	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Me	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Md	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
Mass	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Mich	Lee & Hale Co	10432 W. McNichols, Detroit, Mich	UN3-4161
Minn	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Miss	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Mo	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Mont	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA7-3380
Mont	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Neb	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Neb	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Nev	E L Berman Co	450 9th St, San Francisco, Cal	UN3-0317
Nev	Marshank Sales Co	7422 Melrose Ave, Los Angeles, Cal	WE8-2591
NH	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
NJ	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
NM	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
NY	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
NY	Leo Jacobson Co	1388 Hamlet Ave, Buffalo, NY	DE0442
NC	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
ND	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-6878
Ohio	Les A Morrow Co	3123 W. 117 St, Cleveland, Ohio	CL1-5700
Okla	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA7-3380
Pa	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
Pa	Les A Morrow Co	3123 W. 117 St, Cleveland, Ohio	CL1-5700
RI	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
SC	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
SD	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Tenn	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
Tenn	Cartwright & Bean	560 S. Cooper St, Memphis, Tenn	BR5-1914
Tex	Hal F Corry Co	6315 Hillcrest Ave, Dallas, Tex	LA8-9172
Tex	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Utah	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Vt	Michael Scott Co	336 Washington St, Wellesley Hills, Mass	CE5-0102
Va	Blair Sales Co	45 S. Broadway, Yonkers, NY	YO3-0150
Va	Hollingsworth & Still	Whitehead Bldg, Atlanta, Ga	MU8-5878
Wash	Don H Burcham Co	510 N.W. 19th Ave, Portland, Ore	CA7-3380
W. Va	Les A Morrow Co	3123 W. 117 St, Cleveland, Ohio	CL1-5700
Wisc	Heimann Co	1711 Hawthorne, Minneapolis, Minn	FE2-5457
Wyo	Ralph Stevenson Co	2045 Walker Ln, Salt Lake City, Utah	CR7-2515
Foreign	Pan Mar Corp	1270 Broadway, New York, NY	WI7-7586
Canada	Charles L Thompson Ltd	3115 Lansdale Ave, N. Vancouver, B C	YU7-9388
Canada	John R Tilton Ltd	51 McCormack St, Tor 9, Ont, Canada	RO9-1129

UNIVOX CORP — **102 Warren St, New York 7, NY** — **WO2-5630**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Cal	Univox Corp	4301 W. Jefferson Blvd, Los Angeles 16	RE4-4153

UPPCO INC — **741 W. Harrison St, Chicago 7, Ill** — **HA7-4005**

UTAH RADIO & ELECTRONIC CORP — **1124 E. Franklin St, Huntington, Ind** — **3-1000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ariz	Harry A Moore Sales Co	4142 N. 18th St, Phoenix, Ariz	AM6-4662
Ark	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Cal	Al Rissi Co	8417 Las Tunas Dr, San Gabriel, Cal	AT6-1476
Cal	Harriss-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Conn	Larry B Cole Co	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Del	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
DC	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Fla	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Ga	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Idaho	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Ill	William J Doyle Co	7002 N. Western Ave, Chicago 45, Ill	RO1-3130d
Ind	Burton Homsher	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
Iowa	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Kan	Maury E Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Ky	Burton F Homsher	2018 Jessie Ave, Ft. Wayne 7, Ind	EA4920
La	Athans Sales Co	1523 Dragon St Dallas 7, Tex	RI2-4450
Me	Larry B Cole Co	21 Radcliffe Rd Weston 93, Mass	CE5-3197
Md	Art Cerf & Co	744 Broad St, Newark, NJ	MI2-6734
Mass	Larry B Cole Co	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Mich	Henschen-Jensen Co	2842 W. Grand Blvd, Detroit 2, Mich	TR1-0308
Minn	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Miss	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Mo	Maury Bettis Co	406 W. 34th St, Kansas City 11, Mo	LO1-0772
Mont	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Neb	Maury Bettis Co	406 W 34th St. Kansas City 11, Mo	LO1-0772
Nev	Harriss-Koetke Sales Co	204 E. Hillsdale Blvd, San Mateo, Cal	FI1-2909
NH	Larry B Cole Co	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
NJ	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NM	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
NY	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
NC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
ND	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Ohio	F A Daugherty Co	6025 Mayfield Rd, Cleveland 24, Ohio	HI9-1122
Okla	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
Pa	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Pa	F A Daugherty Co	6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
RI	Larry B Cole Co	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
SC	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
SD	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Tenn	Atcheson & Adams	601 N. Elm St, Greensboro, NC	BR2-6838
Tex	Athans Sales Co	1523 Dragon St, Dallas 7, Tex	RI2-4450
Utah	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Vt	Larry B Cole Co	21 Radcliffe Rd, Weston 93, Mass	CE5-3197
Va	Art Cerf & Co	744 Broad St, Newark 2, NJ	MI2-6734
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	ME3-3160
W. Va	F A Daugherty Co	6025 Mayfield Rd, Cleveland, Ohio	HI9-1122
Wisc	Wm Doyle Co	7002 N. Western Ave, Chicago 45, Ill	RO1-3130
Wisc	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis, Minn	FR7-1200
Wyo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Foreign	Lowell Sales Cubana	7645 Marion Ct, St. Louis 17, Mo	ST1-9058

UTICA DROP FORGE & TOOL DIV

KELSEY-HAYES CO — **2415 Whitesboro St, Utica 4, NY**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Theron D Whidden Jr	P.O. Box 275, Keystone Hghts, Fla	
Ariz	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles, Cal	
Ark	Melvin Glandon	623 Dunn, Waxahachie, Tex	
Cal	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles, Cal	
Cal	Dillon Stevens & Co	420 Market St, San Francisco, Cal	
Colo	L B Putnam Co	2013 Welton, Denver 5, Colo	
Conn	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
Del	Willard I Pugh	1426 Watkins Ave, Utica, NY	RA4-7560
DC	Willard I Pugh	1426 Watkins Ave, Utica, NY	RA4-7560
Fla	Theron D Whidden Jr	Box 275, Keystone Hgts, Fla	
Ga	Theron D Whidden Jr	P.O. Box 275, Keystone Hghts, Fla	
Hawaii	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles, Cal	
Idaho	L B Putnam Co	2013 Welton, Denver 5, Colo	
Ill	T F Chicoine	10834 S. Prospect Ave, Chicago 43, Ill	HI5-6090
Ind	Roy Jeggle	3235 McGill Rd, Cincinnati 39, Ohio	
Iowa	Donald Teorey	4622 Casco Ave, Minnpls, Minn	WA2-3141
Kan	William Murphy	7915 W. 61st St, Merriam, Kan	HE2-2034
Ky	Roy Jeggle	3235 McGill Rd, Cincinnati 39, Ohio	WE1-5161
La	Melvin Glandon	623 Dunn, Waxahachie, Tex	
Me	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
Md	Willard I Pugh	1426 Watkins Ave, Utica, NY	RA4-7560
Mass	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
Mich	Chester B Heck	5990 Kensington, Detroit 24, Mich	TU4-4096
Minn	Donald Teorey	4622 Casco Ave, Minnpls, Minn	WA2-3141
Miss	Theron D Whidden Jr	P.O. Box 275, Keystone Hghts, Fla	
Mo	William Murphy	7915 W. 61st St, Merriam, Kan	HE2-2034
Mont	L B Putnam Co	2013 Welton, Denver 5, Colo	
Neb	William Murphy	7915 W. 61st St, Merriam, Kan	HE2-2034
Nev	Dillon Stevens & Co	1348 Venice Blvd, Los Angeles, Cal	
NH	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
NJ	Dunn & Bryan	28 Warren St, New York, NY	WO4-8091
NM	L B Putnam Co	2013 Welton, Denver 5, Colo	
NY	F J Stiefvater	1402 Sophia Ave, Utica, NY	RE3-1662
NY	Willard I Pugh	1426 Watkins Ave, Utica, NY	RA4-7560
NY	Dunn & Bryan	28 Warren St, New York 17, NY	WO4-8091
NC	Howard A Edick	3944 Winfield Dr, Charlotte 5, NC	
ND	Donald Teorey	4622 Casco Ave, Minneapolis, Minn	WA2-3141
Ohio	Roy Jeggle	3235 McGill Rd, Cincinnati 39, Ohio	WE1-5161
Okla	Melvin Glandon	623 Dunn, Waxahachie, Tex	
Ore	Gardner Distributing Co	1827 Broadway, Seattle 9, Wash	
Pa	Robert C Bryan	407 Crest Rd, Oreland, Pa	
RI	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
SC	Howard A Edick	3944 Winfield Dr, Charlotte 5, NC	
SD	Donald Teorey	4622 Casco Ave, Minneapolis, Minn	WA2-3141
Tenn	Howard A Edick	3944 Winfield Dr, Charlotte 5, NC	
Tex	Melvin Glandon	623 Dunn, Waxahachie, Tex	
Utah	L B Putnam Co	2013 Welton, Denver 5, Colo	
Vt	Howard V Neff	R F D 2, Putnam, Conn	WA8-4249
Va	Howard A Edick	3944 Winfield Dr, Charlotte 5, NC	
Wash	Gardner Distributing Co	1827 Broadway, Seattle 9, Wash	
W. Va	F J Stiefvater	1402 Sophia Ave, Utica, NY	RE3-1662
Wisc	James R Lindenberg	3006 S. 61st St, Milwaukee, Wisc	
Wyo	L B Putnam Co	2013 Welton, Denver 5, Colo	
Canada	Adlam Tool & Supply Co Ltd	1015 St. Alexander St, Mont, Canada	MO6-5075
Foreign	American Steel Export Co., Inc	347 Madison Ave, New York 17, NY	MU6-2100

UTRAD CORP DIV., LITTON IND — **305 N. Briant, Huntington, Ind** — **4088**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Ray Marchbanks	4824 N. Side Dr, Atlanta, Ga	BL5-0251
Ariz	J W Marsh Co	4216-20 W. Jefferson, Los Angeles, Cal	
Ark	Bob Dansby	2517 Cedar Springs, Dallas, Tex	RI7-6543
Cal	J W Marsh Co	4216-20 W. Jefferson, Los Angeles, Cal	
Colo	Koether-Cox Co	110 W. 13th Ave, Denver, Colo	MA3-3544
Conn	Bill Hendrickson	291 1st Parrish Rd, Scituate, Mass	
Del	Chuck Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
DC	Chuck Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
Fla	Ray Marchbanks	4824 N. Side Dr, Atlanta 5, Ga	BL5-0251
Ga	Ray Marchbanks	4824 N. Side Dr, Atlanta 5, Ga	BL5-0251
Idaho	H F Koether	110 W. 13th Ave, Denver, Colo	MA3-3544
Ill	Jim Fitzsimmons	6124 Milwaukee Ave, Chicago, Ill	NE1-7660
Ind	Joe Clancy	Box 269, Angola, Ind	AN793
Iowa	Milt Peck	4445 Terrace St, Kansas City, Mo	JE1-7505
Kan	Milt Peck	4445 Terrace St, Kansas City, Mo	JE1-7505
Ky	Joe Clancy	Box 269, Angola, Ind	AN793
La	Bob Dansby	2517 Cedar Springs, Dallas, Tex	RI7-6543
Me	Bill Hendrickson	291 1st Parish Rd, Scituate, Mass	
Md	Chuck Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
Mass	Bill Hendrickson	291 1st Parish Rd, Scituate, Mass	
Mich	Gerald F Ross	4447 Arlington Ave, Royal Oak, Mich	LI9-3683
Minn	Jim Fitzsimmons	6124 Milwaukee Ave, Chicago, Ill	NE1-7660
Miss	Bob Dansby	2517 Cedar Springs, Dallas, Tex	RI7-6543
Mo	Milt Peck	4445 Terrace St, Kansas City, Mo	JE1-7505
Mont	Don H Burcham Co	4824 N. Side Dr, Atlanta, Ga	BL5-0251
Neb	Milt Peck	4445 Terrace St, Kansas City, Mo	JE1-7505
Nev	J W Marsh	4216-20 W. Jefferson, Los Angeles, Cal	
NH	Bill Hendrickson	291 1st Parish Rd, Scituate, Mass	
NY	Irving W Woolf	104 S. Central, Valley Stream, NY	
NC	Marchbanks	4824 N. Side Dr, Atlanta, Ga	BL5-0251
ND	Jim Fitzsimmons	6124 Milwaukee Ave, Chicago, Ill	NE1-7660
Ohio	Joe Clancy	Box 269, Angola, Ind	AN793
Okla	Bob Dansby	2517 Cedar Springs, Dallas, Tex	RI7-6543
Ore	Burcham	510 N.W. 19th Ave, Portland, Ore	CA6-4148
Pa	Chuck Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
RI	Hendrickson	291 1st Parish Rd, Scituate, Mass	
SC	Marchbanks	4824 N. Side Dr, Atlanta, Ga	BL5-0251
SD	Fitzsimmons	6124 Milwaukee Ave, Chicago, Ill	NE1-7660
Tenn	Marchbanks	4824 N. Side Dr, Atlanta, Ga	BL5-0251
Tex	Dansby	2517 Cedar Springs, Dallas, Tex	RI7-6543
Utah	Koether	110 W. 13th Ave, Denver, Colo	MA3-3544
Vt	Hendrickson	291 1st Parish Rd, Scituate, Mass	
Va	Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
Wash	Burcham	510 N.W. 19th Ave, Portland, Ore	CA6-4148
W. Va	Goodmanson	71 Willet Rd, Glen Cove, NY	OR6-6818
Wisc	Fitzsimmons	6124 Milwaukee Ave, Chicago, Ill	NE1-7660
Wyo	Koether	110 W. 13th Ave, Denver, Colo	MA3-3544

V-M CORP — **305 Territorial, Benton Harbor, Mich** — **WA5-8841**

VACAP CORP — **1905 Summit Ave, Union City, NJ** — **UN7-6699**

VACO PRODUCTS CO — **317 E. Ontario, Chicago, Ill** — **WH4-2340**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ala	Dave Hall	P.O. Box 1931, Birmingham, Ala	AL1-8271
Cal	Federated Sales Co	5921 N. Temple City Blvd, Temple City	CU3-8374
Cal	Nickerson & Gray Associates	2434 Park Blvd, Palo Alto, Cal	DA6-0152
Colo	K W Kutter	1130 Jersey St, Denver, Colo	FL5-6415
Fla	Geo Harman	1060 N.E. 180 Terr, N. Miami Beach, Fla	WI5-5793
Ga	Paul Hayden	P.O. Box 331, East Point, Ga	PO6-0261
Hawaii	Gordon Dougherty	P.O. Box 188, Kailua, Hawaii	265-275
Ill	Bill Stein	4075 W. Jarvis, Lincolnwood, Ill	OR4-2550
Ill	Ed Davis	3604 S. Clarence, Berwyn, Ill	GU4-1521
Ind	C H Layman	213 S. Main, Walton, Ind	2995
Mass	A Boris Bernstein	88 Fuller St, Brookline, Mass	AS7-9420
Mich	J Malcolm Flora	Territorial & Ridgewood, Plymouth, Mich	GL3-4296
Mo	Collins-Havercamp Associates	6825 N. Baltimore, Kansas City, Mo	GL3-4497
NJ	Jos M Steinman	289 Meadowbrook Pl, Maplewood, NJ	OR2-0791
NY	Arthur Hamerschlag	2786 Bainbridge Ave, New York 58, NY	SE3-5389
NY	H D Rabin	2951 Ocean Ave, Brooklyn 35, NY	NI6-7207
NY	W J Callahan	156 S. Edwards, Syracuse, NY	HO3-2151
NC	James Horne	433 W. 5th St, Burlington, NC	CA7-3479
Ohio	C R Seidel	1287 Kenworth Rd, Columbus, Ohio	AM3-8442
Ore	R Lindenberger	6224 E. Burnside, Portland, Ore	BE2-7868
Pa	Jules Cutler	5620 Hobart, Pittsburgh, Pa	HA1-8088
Pa	Geo L Fischer Jr	1230 Knox Rd, Wynnewood, Pa	MI2-1118
Tex	W R Retzloff	P.O. Box 1786, San Antonio, Tex	LE3-7839
Wash	Samuel N Stroum	1612 Broadway, Seattle, Wash	EA3-6117
Wisc	Don Furman	150 E. Johnson, Fond Du Lac, Wisc	WA1-4914
Foreign	Guiterman Co	95 Broad St, New York, NY	DI4-1290

VACTRIC CONTROL EQUIP LTD — **Sloane St, London SW1, England**
VACTRONIC LAB EQUIPMENT INC — **21 Monmouth Ct, East Northport, NY** — **AM1-2660**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Conn	QED Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NJ	QED Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100
NY	QED Electronic Sales Inc	9 Elm Ave, Mt. Vernon, NY	MO8-3100

VACUUM EQUIPMENT DIV NY AIR BRAKE CO — **1325 Admiral Wilson Blvd, Camden, NJ** — **WO6-0782**

VACUUM PRODUCTS, INC — **19 Beechwood Ave, Mt. Vernon, NY**

VACUUM SPECIALTIES CO — **34 Linden St, Somerville, Mass** — **MO6-5450**

VALCO MFG CO — **4700 W. Walton St, Chicago 51, Ill** — **MA6-7574**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ala	Conn Corp	146 Marietta St, N.W., Atlanta 3, Ga	MU8-6754
Alaska	L D Heater Music Co	1930 N.W. Irving St, Portland 9, Ore	CA2-9778
Ariz	Coast Wholesale Music Co	1201 S. Olive St, Los Angeles 15, Cal	RI9-1474
Ark	St. Louis Music Supply Co	3711 W. Pine Blvd, St. Louis 8, Mo	FR1-4522
Cal	Coast wholesale Music Co	1201 S. Olive St, Los Angeles 15, Cal	RI9-1474
Cal	Coast Wholesale Music Co	274 Brannan St, San Francisco, Cal	SU1-4840
Colo	St. Louis Music Supply Co	3711 W. Pine Blvd, St. Louis 8, Mo	FR1-4522
Conn	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
Del	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
DC	Jack Goodman & Co	234 8th St, Philadelphia 7, Pa	MA7-8340
Fla	Conn Corp	146 Marietta St, N.W., Atlanta 3, Ga	MU8-6754
Ga	Conn Corp	146 Marietta St, N.W., Atlanta 3, Ga	MU8-6754
Hawaii	L D Heater Music Co	1930 N.W. Irving St, Portland 9, Ore	CA2-9778
Idaho	L D Heater Music Co	1930 N.W. Irving St, Portland 9, Ore	CA2-9778
Ill	Chicago Musical Instrument Co	7373 N.Cicero Ave, Chicago 46, Ill	IN3-5616
Ind	Wexler & Co	823 S.Wabash Ave, Chicago 5, Ill	HA7-0561
Iowa	Wexler & Co	823 S. Wabash Ave, Chicago 5, Ill	HA7-0561
Kan	St. Louis Music Supply Co.	3711 Pine Blvd, St. Louis 8, Mo	FR1-4522
Ky	Davitt & Hanser Inc	415 Greenwell Rd, Cincinnati 38, Ohio	GR1-5000
La	St. Louis Music Supply Co	3711 Pine Blvd, St. Louis 8, Mo	FR1-4522
Me	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
Md	National Sales Co	101 Hopkins Pl, Baltimore 1, Md	PL2-2950
Mass	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
Mich	Tifco Inc	340 Monroe St, Detroit 26, Mich	WO2-6592
Minn	L W Hagelin Co	16 Glenwood Ave, Minneapolis 3	LI7037
Miss	Conn Corp	146 Marietta St, N.W., Atlanta 3, Ga	MU8-6754
Mo	St. Louis Music Supply Co	3711 Pine Blvd, St. Louis 8, Mo	FR1-4522
Mont	L D Heater Music Co	1930 N. W. Irving St, Portland 9, Ore	CA2-9778
Neb	Targ & Dinner Inc	425 S. Wabash Ave, Chicago 5, Ill	WA2-8012
Nev	Coast Wholesale Music Co	274 Brannan St, San Francisco 7, Cal	SU1-4840
NH	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
NJ	C Meisel Music Co	2332 Morris Ave, Union, NJ	MU8-8500
NM	Coast Wholesale Music Co	1201 S. Olive St, Los Angeles 15, Cal	RI9-1474
NY	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
NC	Southland Music Co	826 Winston St. Greensboro, NC	BR2-5123
ND	L W Hagelin Co	16 Glenwood Ave, Minneapolis 3, Minn	LI7037
Ohio	Grossman Music Co	740 Bolivar Rd, Cleveland 15, Ohio	TO1-3900
Okla	St. Louis Music Supply Co	3711 Pine Blvd, St. Louis 8, Mo	FR1-4522
Ore	L D Heater Music Co	1930 N.W. Irving St, Portland 9, Ore	CA2-9778
Pa	Grossman Music Co	740 Bolivar Rd, Cleveland 15, Ohio	TO1-3900
RI	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
SC	Southland Music Co	826 Winston St, Greensboro, NC	BR2-5123
SD	L W Hagelin Co	16 Glenwood Ave, Minneapolis 3, Minn	LI7037
Tenn	Davitt & Hanser Inc	415 Greenwell Rd, Cincinnati 38, Ohio	GR1-5000
Tex	Maxwell Meyers Inc	830 E. Houston St, San Antonio, Tex	CA7-9139
Utah	Coast Wholesale Music Co	274 Brannan St, San Francisco 7, Cal	SU1-4840
Vt	Merson Musical Products Co	6-8 W. 20 St, New York 11, NY	WA4-8014
Va	Davitt & Hanser Inc	415 Greenwell Rd, Cincinnati 38, Ohio	GR1-5000
Wash	L D Heater Music Co	306 2nd Ave, W., Seattle 99, Wash	GA2100
W. Va	Davitt & Hanser Inc	415 Greenwell Rd, Cincinnati 38, Ohio	GR1-5000
Wisc	Targ & Dinner Inc	425 S. Wabash Ave, Chicago 5, Ill	WA2-8012
Wyo	L W Hagelin Co	16 Glenwood Ave, Minneapolis 3, Minn	LI7037
Foreign	Henri Selmer & Co Ltd	114 Charing Cross Rd, London, W.C. 2, England	
Canada	Beare & Son Ltd	296 Richmond St, W., Toronto 2B, Ontario, Canada	
	VALLEY ENGINEERING INC.	**P. O. Box 2, Los Alamos, NM.**	**2-3310**
	VALOR INSTRUMENTS INC	**13214 Crenshaw Blvd, Gardena, Cal**	**FA1-2280**
Ala	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-3498
Ariz	Paul M Carter	Box 94, Scottsdale, Ariz	WH5-3611
Ark	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Colo	Paul M Carter	Box 94, Scottsdale, Ariz	WH5-3611
Conn	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Del	R E Hatfield Co	165 E. King St, Lancaster, Pa	EX7-1577
DC	Stuart Warren Mount	National Press Bldg, Washington 4, DC	ME8-0221
Fla	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-3498
Ga	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-3498
Idaho	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-3830
Ill	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Ind	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Kan	McDowell-Redlingshafer Sales Co	Box 177, Florissant, Mo	WE1-5622
Ky	Earl W Schenck Associates	38 1/2 N. State St, Westerville, Ohio	ON1-2712
La	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Md	Stuart Warren Mount	National Press Bldg, Washington 4, DC	ME8-0221
Mass	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Mich	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Minn	SC Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Mo	McDowell-Redlingshafer Sales Co	Box 177, Florissant, Mo	
Mo	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	TE7-8678
Neb	McDowell-Redlingshafer Sales Co	Box 177, Florissant, Mo	
Neb	McDowell-Redlingshafer Sales Co	1103 E. Armour, Kansas City, Mo	TE7-8678
NH	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
NJ	H L Hoffman Co., Inc	35 Old Country Rd, Westbury, NY	ED4-5600
NM	Paul M Carter	Box 94, Scottsdale, Ariz	WH5-3611
NY	W E Baker Sales Co	299 Hazelwood Terr, Rochester 9, NY	HU2-2670
NY	H L Hoffman Co., Inc	35 Old Country Rd, Westbury, NY	ED4-5600
NC	W E Wolcott Co	Box 1523, Winter Park, Fla	MI7-3498
ND	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Ohio	Earl W Schenck Associates	38 1/2 N. State St, Westerville, Ohio	ON1-2712
Ohio	Earl W Schenck Associates	7743 Oglesby, Chicago 49, Ill	
Okla	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Ore	Don H Burcham Co	510 N.W. 19th Ave, Portland 8, Ore	CA7-2830
Pa	R E Hatfield Co	165 E. King St, Lancaster, Pa	EX7-1577
Pa	Tyler Griffin Co	32 S. Fairfield Rd, Devon, Pa	MU8-4821
RI	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
SC	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Tex	Carey-Wolf Co	Box 6072, Ft. Worth, Tex	PE8-1702
Vt	Addelco Corp	1826 Centre St, W. Roxbury 32, Mass	FA3-7940
Va	Stuart Warren Mount	National Press Bldg, Washington 4, DC	ME8-0221
Wash	Stuart Warren Mount	National Press Bldg, Washington 4, DC	ME8-0221
W. Va	Stuart Warren Mount	National Press Bldg, Washington 4, DC	ME8-0221
Wisc	S C Blaker Co	2353 N. California Ave, Chicago 47, Ill	BR8-1220
Foreign	Frazar & Hansen Ltd	225 W. 23rd St, Los Angeles 7, Cal	RI9-2538
Foreign	Frazar & Hansen Ltd	301 Clay St, San Francisco 11, Cal	EX2-5112
	VALPEY CRYSTAL CORP	**1244 Highland St, Holliston, Mass**	**GA9-4851**
Cal	Long Associates	505 Middlefield Rd, Redwood City	EM9-3324
NJ	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
NY	R S Puleo	5 Whittier St, Lynbrook, NY	LY9-4875
Foreign	Terminal Radio Int'l. Ltd	240 W. 17th St, New York, NY	WO4-3373
	VALVERDE LABORATORIES	**252 Lafayette St, New York 12, NY**	
	VANGUARD ELECTRONICS CO	**3384 Motor Ave, Los Angeles 34, Cal**	**UP0-6721**
Cal	Key Electronics Inc	8533 Sunset Blvd, Hollywood 46, Cal	OL5-9140
Ca.	Elmec Sales Co	3408 Cowper St, Palo Alto, Cal	
Md	Morris F Taylor Co	P. O. Box 111, Silver Spring, Md	JU9-4002
Mass	J Duncan How Inc	445 Statler Office Bldg, Boston 16	HU7-4638
NY	HAF Associates	330 E. 70th St, New York 21, NY	RE7-1330
Ohio	Frederic L Ohmer & Associates	Box 2013, Kettering Br, Dayton 29, Ohio	
	VAN KEUREN CO.	**176 Waltham St, Watertown, Mass**	**WA4-4394**
	VAN NORMAN INDUSTRIES ELEC DIV	**186 Granite St, Manchester, NH**	
	VAPOR HEATING CORP	**80 E. Jackson Blvd, Chicago, Ill**	**WA2-5160**
Cal	Vapor Heating Corp	4424 W. Slauson Ave, Los Angeles 43	AX1-1173
Cal	Vapor Heating Corp	593 Market St, San Francisco 5, Cal	DO2-5451
Colo	Vapor Heating Corp	2501 Perry St, Denver 12, Colo	GL5-8450
DC	Vapor Heating Corp	734 15th St, N.W., Washington 5, DC	NA8-7500
Minn	Vapor Heating Corp	1st Natl Bank Bldg, St. Paul 1, Minn	CA4-4125
Mo	Vapor Heating Corp	721 Olive St, St. Louis 1, Mo	CE1-8959
NY	Vapor Heating Corp	230 Park Ave, New York 17, NY	MU6-4843
Pa	Vapor Heating Corp	1617 Pennsylvania Blvd, Phila 3, Pa	LO4-0210
Va	Vapor Heating Corp	909 E. Main St, Richmond 19, Va	MI3-6224
Wash	Vapor Heating Corp	21259 22nd Ave, S., Seattle 88, Wash	TR8-2658
	VARD DIV ROYAL INDUSTRIES	**2981 E. Colorado, Pasadena, Cal**	**SY6-9281**
	VARFLEX CORP	**506 W. Court St, Rome, NY**	**7200**
	VARI CORP	**2825 Cedar Ave, Minneapolis, Minn**	
	VARI-L CO., INC	**P.O. Box 1433, Stamford, Conn.**	**FI8-0091**
	VARIAN ASSOCIATES	**611 Hansen Way, Palo Alto, Cal.**	**DA6-4000**
Ala	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
Alaska	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Ariz	Neely Enterprises	641 E. Missouri Ave, Phoenix	CR4-5431
Ark	Earl Lipscomb Associates	Box 7084, Dallas, Tex	FL7-1881
Cal	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood,	ST7-0721
Cal	Neely Enterprises	1317 15th St, Sacramento, Cal	GI2-8901
Cal	Neely Enterprises	1055 Shafter St, San Diego, Cal	AC3-8106
Cal	Neely Enterprises	501 Laurel St, San Carlos, Cal	LY1-2626
Colo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Conn	Yewell Associates Inc	1101 E. Main St, Bridgeport, Conn	FO6-3456
Del	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
DC	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
Fla	Lynch-Stives Inc	1226 E. Colonial Dr, Orlando, Fla	GA5-5541
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E. Atlanta, Ga	CE3-7522
Hawaii	Arva Inc	832 Queen St, Honolulu, Hawaii	506096
Idaho	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Ill	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Ind	Crossley Associates Inc	5420 N. College Ave, Indianapolis 20,	CL1-9255
Iowa	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Kan	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Ky	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
La	Earl Lipscomb Associates	Box 7084, Dallas, Tex	FL7-1881
Me	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Md	Horman Associates Inc	941 Rollins Ave, Rockville, Md	HA7-7560
Mass	Yewell Associates Inc	Middlesex Trnpk, Burlington	BR2-9000
Mich	S Sterling Co	15310 W. McNichols Rd, Detroit, Mich	BR3-2900
Minn	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Miss	Earl Lipscomb Associates	Box 7084, Dallas, Tex	FL7-1881
Mo	Harris-Hanson Co	2814 S. Brentwood Blvd, St. Louis, Mo	MI7-4350
Mo	Harris-Hanson Co	7916 Paseo Ave, Kansas City, Mo	HI4-9494
Mont	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Mont	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Neb	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Nev	Neely Enterprises	3939 Lankershim Blvd, N. Hollywood, Cal	ST7-0721
NH	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
NJ	H E Robinson Co	905 Main St, Asbury Park NJ	KE1-3150
NJ	RMC Associates	391 Grand Ave, Englewood, NJ	LO7-3933
NM	Neely Enterprises	Box 8366, Sta C, Albuquerque, NM	AL5-5586
NM	Neely Enterprises	126 S. Water St, Las Cruces, NM	JA6-2486
NY	RMC Associates	236 E. 75th St, New York, NY	TR9-2023
NY	J D Ryerson Associates Inc	Box 1400, Syracuse 1,	GI6-1771
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
ND	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Ohio	Crossley Associates Inc	2801 Far Hills Ave, Dayton,	AX9-3594
Ohio	S Sterling Co	5827 Mayfield Rd, Cleveland 24,	
Okla	Earl Lipscomb Associates	Box 7084, Dallas, Tex	FL7-1881
Ore	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
Pa	H E Robinson Co	7404 W. Chester Pike, Upper Darby,	FL2-7017
Pa	S Sterling Co	4024 Clairton Blvd, Pittsburgh 27,	
RI	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
SC	Bivins & Caldwell	1923 N. Main St, High Point, NC	2-6873
SD	Crossley Associates Inc	842 Raymond Ave, St. Paul, Minn	MI6-7881
Tenn	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
Tex	Earl Lipscomb Associates	Box 7084, Dallas, Tex	FL7-1881
Utah	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Vt	Yewell Associates Inc	Middlesex Trnpk, Burlington, Mass	BR2-9000
Va	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
Wash	Arva Inc	1320 Prospect St, Seattle, Wash	MA2-0177
W. Va	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC	2-6873
Wisc	Crossley Associates Inc	2711 W. Howard St, Chicago 45, Ill	SH3-8500
Wyo	Lahana & Co	1886 S. Broadway, Denver 10, Colo	PE3-3791
Foreign	Sales Office/Representatives in all principal countries		
	VAR-LAC-OID CHEMICAL CO	**116 Broad St, New York 4, NY**	**WH4-0348**
	VARO MFG CO., INC	**2201 Walnut St, Garland, Tex**	**BR6-6141**
Cal	Varo Mfg Co., Inc	Box 90421, Int'l Airport Sta, L A 45	RE4-0154
DC	Varo Mfg Co., Inc	P.O. Box 7032, Arlington 7, Va	KE5-7550
NY	Varo Mfg Co., Inc	P.O. Box 1157, Scotia, NY	FR7-6292
	VECTOR ASSOCIATES INC	**139-30 34th Rd, Flushing 54, NY**	
	VECTOR ELECTRONIC CO	**1100 Flower St, Glendale 1, Cal**	**CH5-1076**
	VECTOR MANUFACTURING CO	**5616 Lawndale Ave, Houston 23, Tex**	
	VECTOR MFG CO., INC	**Keystone Rd, Southampton, Pa**	**EL7-7600**
Cal	Sherberne & Associates	3040 Overland Ave, Los Angeles 34, Cal	VE9-3759
Pa	Wrightco Telemetry Sales Co	Box 217, Southampton, Pa	EL7-1033
Tex	Telemetry Sales & Engineering	P.O.Box 786, Grand Prairie, Tex	AN2-0969
	VECTROL ENGINEERING INC	**Box 1089, Stamford, Conn**	**DA4-4602**
Ala	Perrott Associates	P. O. Box 6967, Orlando, Fla	
Cal	Paul Nurches Co	2396 Foothill Blvd, Pasadena, Cal	
Conn	Electronic Controls Inc	87 Magee Ave, Stamford, Conn	
DC	E C I	87 Magee Ave, Stamford, Conn	
Fla	Perrott Associates	P. O. Box 6967, Orlando, Fla	
Ga	Perrott Associates	P.O. Box 6967, Orlando, Fla	
Iowa	Bonament-Heyda	6101 Auto Club Rd, Minneapolis, Minn	
Me	E C I	87 Magee Ave, Stamford, Conn	
Md	E C I	87 Magee Ave, Stamford, Conn	
Mass	E C I	87 Magee Ave, Stamford, Conn	
Mich	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	
Minn	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	
NH	E C I	87 Magee Ave, Stamford, Conn	
NJ	Interlab Inc	437 5th Ave, New York City, NY	
NY	Interlab Inc	437 Fifth Ave, New York 17, NY	
ND	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	
Pa	E C I	87 Magee Ave, Stamford, Conn	
RI	E C I	87 Magee Ave, Stamford, Conn	
SD	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	
Vt	E C I	87 Magee Ave, Stamford, Conn	
Wisc	Bonament Heyda	6101 Auto Club Rd, Minneapolis, Minn	
	VEECO VACUUM CORP	**86 Denton Ave, New Hyde Park, NY**	**PI6-1161**
Ala	E G Holmes & Associates	4969 Roswell Rd, N.E., Atlanta, Ga	BL5-6660
Ariz	Carl Herrmann Associates	551 E. Walnut St, Pasadena, Cal	MU1-6111
Cal	Carl Herrmann Associates	551 E Walnut St, Pasadena, Cal	MU1-6111
Cal	Carl Herrmann Associates	P.O.Box 1179, Palo Alto, Cal	DA6-6033
Colo	Carl Herrmann Associates	P.O.Box 1179, Palo Alto, Cal	DA6-6033
Conn	Veeco Vacuum Corp	Hartford, Conn	CH7-3933
Del	Veeco Vacuum Corp	Washington, DC	EX3-2682
DC	Veeco Vacuum Corp	Washington, DC	EX3-2682
Fla	E G Holmes & Associates	P.O.Box 7783, Orlando, Fla	CH1-2128
Ga	E G Holmes & Associates	1220 Edgewater Dr, Orlando, Fla	CH1-2128
Idaho	Carl Herrmann Associates	P.O.Box 1179, Palo Alto, Cal	DA6-6033
Ill	Veeco Vacuum Corp	24 Plaza, Park Forest, Ill	PI8-5070
Ind	Veeco Vacuum Corp	12417 Cedar Rd, Cleveland Hghts, Ohio	YE2-0560
Iowa	Veeco Vacuum Corp	24 Plaza, Park Forest, Ill	PI8-5070
Ky	Veeco Vacuum Corp	12417 Cedar Rd, Cleveland Hghts, Ohio	YE2-0560
Me	Veeco Vacuum Corp	Boston, Mass	LA3-5181
Md	Veeco Vacuum Corp	Washington, DC	EX3-2682
Mass	Veeco Vacuum Corp	Boston, Mass	LA3-5181
Mich	Veeco Vacuum Corp	12417 Cedar Rd, Cleveland Hghts, Ohio	YE2-0560
Minn	Veeco Vacuum Corp	24 Plaza, Park Forest, Ill	PI8-5070
Mo	Veeco Vacuum Corp	24 Plaza, Park Forest, Ill	PI8-5070
Mont	Carl Herrmann Associates	P.O.Box 1179, Palo Alto, Cal	DA6-6033
Nev	Carl Herrmann Associates	P.O.Box 1179, Palo Alto, Cal	DA6-6033
NH	Veeco Vacuum Corp	Boston, Mass	LA3-5181
NM	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
NC	E G Holmes & Associates	4969 Roswell Rd, N.E. Atlanta, Ga	BL5-6660
Ohio	Veeco Vacuum Corp	12417 Cedar Rd, Cleveland Hgts, Ohio	YE2-0560

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ore	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Pa	Veeco Vacuum Corp	12417 Cedar Rd, Cleveland Hgts, Ohio	YE2-0560
RI	Veeco Vacuum Corp	Hartford, Conn	CH7-3833
SC	E G Holmes Associates	4969 Roswell Rd, Atlanta 5, Ga	BL5-6660
Tenn	E G Holmes Associates	4969 Roswell Rd, N.E. Atlanta, Ga	BL5-6660
Utah	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Vt	Veeco Vacuum Corp	Boston, Mass	LA3-5181
Va	Veeco Vacuum Corp	Washington, DC	EX3-2682
Wash	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Wisc	Veeco Vacuum Corp	24 Plaza, Park Forest, Ill	PI8-5070
Wyo	Carl Herrmann Associates	P.O. Box 1179, Palo Alto, Cal	DA6-6033
Foreign	The Telesco Corp	36 W. 40th St, New York, NY	PE6-2165
	VEEDER-ROOT INC	**Hartford 2, Conn**	**JA7-7201**
	YELLUMOID CO SUB W R GRACE & CO	**Worcester 6, Mass**	**PL3-7263**
	YEMALINE PRODUCTS CO	**P.O. Box 222ED, Hawthorne, NJ**	**MU4-4688**
	YENNER ELECTRONICS LTD	**Kingston By-Pass, New Malden, Eng**	**MA2442**
Foreign	National Elektro	Farvergade 17, Copenhagen K, Denmark	
Foreign	Gentronics	Rue De Livourne 5, Brussels, Belgium	
Foreign	E Cattanes	c/o Brescia, 16 Rue D'Edimbourg, Paris 8 E, France	
Foreign	Magnetic A B	Stora Nygatan 39, Stockholm C, Sweden	
Foreign	Rowe & Co Pty Ltd	Flinders Ct, Melbourne C 1, Australia	
Foreign	Jas J Niven & Co	GS/67 Taranaki St, Wellington, New Zealand	
Foreign	Ing Bureau W Gyr N V	N. Binnenweg 180, Rotterdam, Holland	
	YERNISTAT DIV PERKIN-ELMER CORP	**769 Main Ave, Norwalk, Conn**	**VI7-0411**
Ala	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Ariz	Wright Engineering Co	180 E. California Blvd, Pasadena, Cal	MU1-8488
Ark	Allied Components Inc	Box 10203, Dallas 7, Tex	RI2-2830
Cal	Wright Engineering Co	180 E. California Blvd, Pasadena, Cal	MU1-8488
Conn	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Del	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
DC	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
Fla	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Ga	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Ill	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Ind	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Me	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Md	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
Mass	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Mich	Eder Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Minn	Eder Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
Miss	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Mo	Lightner Associates	6322 N. Milwaukee Ave, Chicago, Ill	SP4-1500
Nev	Wright Engineering Co	180 E. California Blvd, Pasadena 1, Cal	MU1-8488
NH	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
NJ	The Smith Co	15 Northfield Ave, W. Orange, NJ	RE1-8020
NJ	R P Luce & Co	8604 Fayette St, Philadelphia, Pa	CH7-6988
NY	The Smith Co	15 Northfield Ave, W. Orange, NJ	RE1-8020
NY	R P Luce & Co	1300 Jericho Tmpk, New Hyde Park, NY	GE7-4550
NC	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Okla	Allied Components Inc	Box 10203, Dallas 7, Tex	RI2-2830
Ore	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
Pa	R P Luce & Co	8604 Fayette St, Philadelphia, Pa	CH7-6988
Pa	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
RI	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
SC	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Tenn	Specialized Equipment Corp	Box 323, Cocoa Beach, Fla	CO3328
Tex	Allied Components Inc	Box 10203, Dallas 7, Tex	RI2-2830
Vt	Ress Engineering Sales	259 Walnut St, Newtonville 60, Mass	LA7-4932
Va	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
Wash	Avionics Liaison Inc	Boeing Field, Seattle 8, Wash	PA3-7602
W. Va	Biechler Associates	Box 38, Millersville, Pa	TR2-7632
Wisc	Eder Associates	2603 N. Downer Ave, Milwaukee, Wisc	WO4-3450
	VERNITRON CORP	**136 Church St, New York 5, NY**	**BE3-2755**
Ala	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Ariz	Joe Davidson Associates	Box 108, Southgate, Cal	NE6-2245
Ark	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	
Cal	Joe Davidson Associates	Box 108, Southgate, Cal	NE6-2245
Colo	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Conn	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Del	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
DC	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
Fla	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Ga	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Hawaii	Rocke International	13 E. 40 St, New York 16, NY	MU9-0200
Idaho	Hytronic Measurements Inc	1295 S. Bannock St, Denver 23, Colo	PE3-3701
Ill	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Ind	Rixan Associates	33 W. St. Ratford Ave, Dayton, Ohio	BA2-0011
Ind	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Iowa	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Kan	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
La	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	
Me	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Md	Rob't Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
Mass	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Mich	Robert G Dailey Co	201 Catherine St, Ann Arbor, Mich	NO8-6908
Minn	Nelson & Son	324 N. First St, Minneapolis, Minn	FE3-3328
Miss	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Mo	Halgin Sales	5920 Nall, Mission, Kan	RA2-2441
Neb	Hytronic Measurements	1295 S. Bannock St, Denver 23, Colo	PE3-3701
NH	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
NJ	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
NM	Hytronic Measurements	529 N. 18 St, Birmingham, Ala	FA4-1615
NY	Jim Washington Associates	791 Blossom Rd, Rochester, NY	GR3-2465
NC	R Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
Ohio	Rixan Associates	33 W. Stratford Ave, Dayton, Ohio	BA2-0011
Okla	Campion Sales Co	9002 Chancellor Row, Dallas, Tex	
Pa	Rixan Associates	33 W. Stratford Ave, Dayton, Ohio	BA2-0011
Pa	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
RI	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
SC	Specialized Electronics	529 N. 18 St, Birmingham, Ala	FA4-1615
Tenn	Specialized Electronics	529 N. 18th St, Birmingham, Ala	FA4-1615
Tex	Campion Sales Co	9002 Chancellor Row, Dallas 35, Tex	
Utah	Hytronic Measurements	529 N. 18 St, Birmingham, Ala	FA4-1615
Vt	General Measurements	1108 Beacon St, Newton Highlands, Mass	WO9-9150
Va	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
Wash	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
W. Va	Robert Barnhill Associates	19 W. Pennsylvania Ave, Baltimore, Md	VA5-3431
Wisc	Engineered Sales	3592 Milwaukee Ave, Chicago 41, Ill	PE6-0555
Wyo	Hytronic Measurements	529 N. 18 St, Birmingham, Ala	FA4-1615
Foreign	Rocke International	13 E. 40 St, New York, NY	MU9-0200
	VESTO CO., INC.	**20 & Clay, N. Kansas City, Mo**	**BA1-3322**
	VIBRATION RESEARCH LABS INC	**58 Marbledale Rd, Tuckahoe, NY**	
	VICHEK TOOL CO	**3001 E. 67 St, Cleveland 4, Ohio**	**GA1-2480**
	VICKERS INC ELECTRIC PRODUCTS DIV	**1899 Locust St, St. Louis 3, Mo**	**CE1-5830**
Cal	Vickers Inc	3201 Lomita Blvd, Torrance, Cal	DA6-8550
Cal	Harold L Newman	56 41st Ave, San Mateo, Cal	FI1-3433
DC	Vickers Inc	777 14th St, N.W., Washington, DC	EX3-2650
Ill	Vickers Inc	3555 W. Peterson Ave, Chicago 45, Ill	JU8-2125
Mass	Edgar F Hubert Co	66 Central St, Wellesley, Mass	CE5-5815
Mich	Vickers Inc	18353 W. McNichols Rd, Detroit 19, Mich	KE4-8070
NY	Wilson H Zimmerman Inc	112 Dewitt St, Syracuse 3, NY	GR4-4889
NY	Vickers Inc	39-01 Main St, Flushing, NY	LE9-1515
Ohio	Vickers Inc	3120 Wooster Rd, Cleveland 16, Ohio	ED3-1355
	VICON CORP DIV INSL-8-CORP	**1369 Industrial Rd, San Carlos, Cal**	**LY3-8003**
Ala	Ack Radio Supply Co	3101 4th Ave, S., Birmingham, Ala	4-0588
Alaska	Service Electric Co	Ketchi Kan, Alaska	
Ariz	E U Roberts & Associates	909 N. 1st St, Phoenix, Ariz	AL4-4664
Cal	E U Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Cal	E U Roberts & Associates	5068 W. Washington Blvd, Los Angeles,	WE8-2541
Fla	Medco	Box 216, Melbourne, Fla	PA3-7016
Fla	Audio-Video Systems Inc	771 N.W. 23rd St, Miami 37, Fla	NE5-7932
Hawaii	E U Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
Idaho	Modern Equipment Co	52 W. 2nd St, S., Salt Lake City, Utah	DA2-5887
Kan	M F Lindeman	4322 E. Waterman St, Wichita, Kan	MU2-5880
Mass	Saunders & Co	375 Moody St, Waltham 4, Mass	TW4-6071
Mich	Russell & Olson Co	15820 James Couzens Hwy, Detroit,	UN4-7010
Miss	Ack Radio Supply Co	3101 4th Ave, S., Birmingham, Ala	4-0588
Mont	Modern Equipment Co	52 W. 2nd St, S., Salt Lake City, Utah	DA2-5887
Nev	E U Roberts & Associates	1560 Laurel St, San Carlos, Cal	LY3-7878
Nev	E U Roberts & Associates	5068 W. Washington Blvd, L A, Cal	WE8-2541
NH	Modern Equipment Co	52 W. 2nd St, S., Salt Lake City, Utah	DA2-5887
NM	E U Roberts & Co	1120 Tulane Dr, Albuquerque, NM	AL5-7304
NY	Multiphase Electronics Inc	415 Lexington Ave, New York, NY	YU6-5618
NY	F & M Sound Equipment Co	1241 Main St, Buffalo 9, NY	
Ore	J A Tudor & Associates	1004 S.E. Belmont St, Portland, Ore	BE2-1188
Tenn	Ack Radio Supply Co	3101 4th Ave, S., Birmingham, Ala	4-0588
Tex	So'western Engrg & Equipment Co	4045 Lemmon Ave, Dallas 19, Tex	LA6-7433
Utah	Modern Equipment Co	52 W. 2nd St, S., Salt Lake City, Utah	DA2-5887
Wash	Ray Johnston Co	1011 E. 69th St, Seattle 15, Wash	LA4-5170
Wyo	Modern Equipment Co	52 W. 2nd St, S., Salt Lake City, Utah	DA2-5887
	VICTOR ADDING MACHINE CO	**3900 N. Rockwell St, Chicago 18, Ill**	**KE9-8210**
	VICTOR-BERNARD INDUSTRIES	**4566 Baker St, Philadelphia 27, Pa**	**IV3-2608**
	VICTOR ELECTRIC & WIRE CABLE CORP	**618 Main St, W. Warwick, RI**	**VA1-1700**
Ill	Richard Provost	15 S. Austin Blvd, Chicago 44, Ill	MA6-4259
Ill	John W Twist Co	5232 W. Diversy Ave, Chicago 39, Ill	SP7-2250
Ind	Joe Clancy & Co	P.O. Box 269, Angola, Ind	AN753
Ind	Wm A Meily Co	4017 S. Harrison Blvd, Ft. Wayne, Ind	KE2461
Mich	Jack Thorpe Co	640 Hidden Ln, Detroit 35, Mich	
Minn	Ed Melius & Associates	2635 University Ave, St. Paul 14, Minn	MI6-7991
Mo	Tanler & Co	9827 Clayton Rd, St. Louis 24, Mo	WY3-1020
NJ	Ben Tirabassi	24 Outwater Ln, Garfield, NJ	PR7-1535
NY	Wm A Franklin	2 Standish Terr, Syracuse 3, NY	GI6-1120
NY	Ben Tirabassi	24 Outwater Ln, Garfield, NJ	PR7-1535
Pa	Springel Sales Co	325 N. Franklin St, Philadelphia 6, Pa	WA5-7831
Pa	R T Pearson Sales	1125 York Rd, Abington, Pa	TU7-0816
Tex	J Earl Smith	Box 35531 Airlawn Sta, Dallas 35, Tex	FL7-1727
Wisc	Martin Gaertner Sales	1108 N. Third St, Milwaukee 3, Wisc	BR1-6500
	VICTOR R F & MICROWAVE CO	**36 W. Water St, Wakefield, Mass**	**CR9-4472**
	VICTOREEN INSTRUMENT CO	**5806 Hough Ave, Cleveland 3, Ohio**	**EN1-6200**
Ala	Stanley K Wallace Associates Inc	Box 67, Lutz, Fla	WE9-3241
Ariz	C R Lynch & Son	3307 Glendale Blvd, Los Angeles, Cal	NO3-8236
Cal	C R Lynch & Son	3307 Glendale Blvd, Los Angeles, Cal	NO3-8236
Cal	R L Pflieger Co., Inc	1652 Laurel St, San Carlos, Cal	LY1-0396
Conn	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Del	William Drew & Co	145 Narberth Ave, Narberth, Pa	MO4-8331
DC	William Drew & Co	1104 Mondawmin, Baltimore 15, Md	LA3-7700
Fla	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Ga	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Ill	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
Ind	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
La	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Me	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Md	William Drew & Co	1104 Mondawmin, Baltimore 15, Md	LA3-7700
Mass	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Mich	Service Equipment Electronics Co	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Miss	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Nev	R L Pflieger Co., Inc	1652 Laurel St, San Carlos, Cal	LY1-0396
NH	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
NJ	Joseph Sprung Associates	254 W. 31st St, New York 1, NY	LO5-1820
NY	Joseph Sprung Associates	254 W. 31st St, New York 1, NY	LO5-1820
NY	Wilson H Zimmerman Co., Inc	112 Dewitt St, Syracuse 3, NY	GR4-4889
NC	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Ohio	Service Equipment Electronics Co	4500 Euclid Ave, Cleveland 3, Ohio	HE1-7030
Okla	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Pa	William Drew & Co	145 Narberth Ave, Narberth, Pa	MO4-8331
Pa	R G Sidnell & Co	1229 Westlake Ave, Cleveland 7, Ohio	AC1-1313
RI	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
SC	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Tenn	Stanley K Wallace Associates Inc	P.O. Box 67, Lutz, Fla	WE9-3241
Tex	Southwest Electronic Industries	Meadows Bldg, Dallas 6, Tex	EM3-1671
Vt	W B Palioca Inc	1787 Massachusetts Ave, Lexington, Mass	VO2-7224
Va	William Drew & Co	1104 Mondawmin, Baltimore 15, Md	LA3-7700
Wisc	H G Pretat Inc	4 N. Cicero Ave, Chicago 44, Ill	CO1-3146
Foreign	RCA	Camden, NJ	
Foreign	RCA	Moorestown, NJ	
Foreign	RCA	Princeton, NJ	
Foreign	William Drew & Co	145 Narberth Ave, Narberth, Pa	MO4-8331
	VICTORY ELECTRONICS INC	**50 Bond St, Westbury, NY**	**ED4-8892**
	VICTORY ENGINEERING CORP	**101 Springfield Rd, Union, NJ**	**MU8-7150**
Ala	Cartwright & Bean	580 S. Cooper, Memphis, Tenn	BR5-1914
Alaska	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Ariz	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Ark	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Cal	Westron Sales & Engineering	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
Colo	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Conn	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Del	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
DC	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
Fla	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Ga	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Hawaii	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
Idaho	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Ind	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Iowa	F C Somers & Co	Davidson Bldg, Kansas City, Mo	GR1-1355
Kan	F C Somers & Co	Davidson Bldg, Kansas City, Mo	GR1-1355
Ky	Scott & Steffen Inc	1836 Euclid Ave, Cleveland, Ohio	TO1-2626
La	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Me	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
Md	Technical Representation	220 S. Easton Rd, Glenside, Pa	TU7-1325
Mass	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Mich	Burcaw-Cowan Co	22128 Grand River Ave, Detroit 19, Mich	KE3-7700
Minn	H M Richardson & Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Miss	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Mo	F C Somers & Co	Davidson Bldg, Kansas City 8, Mo	GR1-1355
Mont	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Neb	F C Somers & Co	Davidson Bldg, Kansas City, Mo	GR1-1355
Nev	Westron	7407 Melrose Ave, Los Angeles 46, Cal	WE3-7276
NH	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
NJ	O F Mason Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NM	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
NY	O F Masin Co	1 Wolf's Ln, Pelham, NY	PE8-4510
NY	Holliday-Hathaway Co., Inc	9 Lincoln Ave, Rutherford, NJ	WE9-7217
NC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
ND	H M Richardson Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Ohio	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Ore	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
Pa	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
RI	Ray Perron & Co., Inc	1870 Centre St, Boston 32, Mass	FA3-1008
SC	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
SD	H M Richardson & Co	9 E. 22nd St, Minneapolis, Minn	FE6-4078
Tenn	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Utah	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Vt	Ray Perron & Co	1870 Centre St, Boston 32, Mass	FA3-1008
Va	Cartwright & Bean	560 S. Cooper, Memphis, Tenn	BR5-1914
Wash	Fred H Haight Co	3212 Eastlake Ave, Seattle 2, Wash	EA2-1818
W. Va	Scott & Steffen Inc	1836 Euclid Ave, Cleveland 15, Ohio	TO1-2626
Wisc	Leroy W Beier Co	6518 W. North Ave, Chicago 35, Ill	BE7-2420
Wyo	Elton K Kelley	336 E. 4th St, Loveland, Colo	NO7-1376
Foreign	Rocke International Corp	13 E. 40th St, New York 16, NY	MU9-0200
	VIDAIRE ELECTRONICS MFG CORP	**44 Church St, Baldwin, NY**	**BA3-8544**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	VIDAR CORP — **2107 El Camino Real, Palo Alto, Cal**	**DA6-8815**
Ariz	Maxon Electronics — 489 S. Robertson, Beverly Hills, Cal	BR2-9311
Cal	Maxon Electronics Corp — 489 S. Robertson, Beverly Hills, Cal	BR2-9311
Nev	Maxon Electronics — 489 S. Robertson, Beverly Hills, Cal	BR2-9311
	VIDEO INDUSTRIES CO — **242 Madison Ave, Port Chester, NY**	**WE9-4919**
	VIDEO INSTRUMENTS CO., INC — **3002 Penna Ave, Santa Monica, Cal**	**EX3-1244**
Ala	Medco — P.O. Box 216, Melbourne, Fla	
Conn	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
Del	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
DC	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
Fla	Medco — P.O. Box 216, Melbourne, Fla	
Ga	Medco — P.O. Box 216, Melbourne, Fla	
Ill	Karl Kopetzky & Associates — 4908 N. Lincoln Ave, Chicago 25, Ill	
Ind	Karl Kopetzky & Associates — 4908 N. Lincoln Ave, Chicago 25, Ill	
Iowa	Karl Kopetzky & Associates — 4908 N. Lincoln Ave, Chicago 25, Ill	
Kan	Servo Electronics Products Co — 10218 Crestover, Dallas 29, Tex	
Me	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
Md	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
Mass	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
Mich	Game Engineering — 1474 E. Outer Dr, Detroit 34, Mich	
NH	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
NJ	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
NY	Test Equipment Sales Co — 29-46 northern Blvd, Long Island City, NY	
NC	Medco — P.O. Box 216, Melbourne, Fla	
Okla	Servo Electronics Products Co — 10218 Crestover, Dallas 29, Tex	
Pa	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
RI	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
SC	Medco — P.O. Box 216, Melbourne, Fla	
Tenn	Medco — P.O. Box 216, Melbourne, Fla	
Tex	Servo Electronics Products Co — 10218 Crestover, Dallas 29, Tex	
Vt	Test Equipment Sales Co — 29-46 Northern Blvd, Long Island City, NY	
Va	Test Equipment Sales Co — 4447 N. Bodine St, Philadelphia 40, Pa	
Wisc	Karl Kopetzky & Associates — 4908 N. Lincoln Ave, Chicago 25, Ill	
	VIKING INDUSTRIES INC — **21343 Roscoe Blvd, Canoga Park, Cal**	**DI7-8500**
Ala	E C Raymund & Associates — P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ariz	Samuel O Jewett Co — 516 W. Vernon Ave, Scottsdale, Ariz	WH5-9711
Cal	Wm D Gorman — 4476 Tivoli St, San Diego, Cal	AC2-9494
Cal	John E Striker Co — P.O. Box 548, San Carlos, Cal	LY1-0736
Colo	Electronic Component Sales — 2149 S. Clermont, Denver, Colo	SK7-1261
DC	J J Maguire — 742 Investment Bldg, Washington 5, DC	NA8-4247
Fla	E C Raymund & Associates — P.O. Box 8215, Madeira Beach, Fla	WA1-9735
Ill	Carlson Electronic Sales — 6677 N. Northwest Hwy, Chicago, Ill	SP4-0277
Mass	Forsberg Electric Sales — 125 Perkins Ave, Brockton, Mass	JU3-0033
Minn	Stan Clothier Co., Inc — 12 W. 58th St, Minneapolis 19, Minn	TA5-1234
NJ	Keefe Electronic Sales Co — 228 E. Kings Hwy, Haddonfield, NJ	HA9-4650
NY	Jules J Bressler — 4808 Bergenline Ave, Union City, NJ	UN4-9577
Ohio	G & H Sales Co — P.O. Box 416, Cincinnati 37, Ohio	JE1-0553
Tex	Allied Component Sales — 2517 Converse St, Dallas 7, Tex	RI2-2830
Wash	Seatronics Inc — 1817 Norman St, Seattle 44, Wash	EA3-8545
	VIKING OF MINNEAPOLIS — **9600 Aldrich Ave, S., Minneapolis 20, Minn**	**TU1-2636**
	VIKING WIRE CO., INC — **100 Shelter Rock Rd, Danbury Conn**	**PI3-9291**
	VINCO ELECTRONICS CORP — **65 Wallace St, New Haven 11, Conn**	**UN5-2073**
	VIRGINIA ELECTRONICS CO., INC — **5209 River Rd, Wash 16, DC**	**OL4-6680**
Ala	Emory Design & Equipment Co — P.O. Box 9013, Birmingham, Ala	TR1-1369
Cal	Claude C Frantz Co — 701 S. Gramercy Dr, Los Angeles, Cal	DU7-1166
Cal	Luscombe Engineering Co — 1129 S. Fair Oaks Ave, Pasadena, Cal	RY1-3386
Cal	Luscombe Engineering Co — 130 N. B St, Pasadena, Cal	DI2-7057
Cal	Luscombe Engineering Co — 3150 El Cajon Blvd, San Diego, Cal	AT3-2081
Fla	Emory Design & Equipment Co — P.O. Box 507, Bradenton, Fla	2-6767
Ill	Ringland M Krueger Co — 5306 W. Lawrence Ave, Chicago, Ill	PE6-3107
Ind	Leslie M DeVoe Co — 4010 Washington Blvd, Indianapolis, Ind	AT3-1395
Kan	H A Roes & Co — 2444 Glen Oaks Dr, Wichita, Kan	AM2-1454
La	Jack F McKinney Sales Co — 925 Fairway, Kenner, La	KE4-5869
Md	L G Korman — P.O. Box 55, Kingsville, Md	LY2-7898
Mass	Electronic Components & Svcs — P.O. Box 35, Newton Centre, Mass	KE6-8581
Mich	Anderson Engineering Corp — 13671 Grand River Ave, Detroit, Mich	VE6-9001
Mich	R C Nordstrom & Co — 580 N. Woodward Ave, Birmingham, Mich	MI4-1110
Minn	Fred B Hill Co — 6110 Excelsior Blvd, Minneapolis, Minn	WE9-5727
Mo	John N McCune Co — P.O. Box 16, Florissant, Mo	TE7-3188
Mo	H A Roes & Co — 2601 Cherry, Kansas City, Mo	BA1-0866
NJ	Boenecke Associates — 5505 Westfield Ave, Pennsauken, NJ	NO2-8650
NY	D R Bittan Co — 104 S. Central Ave, Valley Stream, NY	LO1-2444
NY	Land-C-Air Sales Co — 317 State Tower Bldg, Syracuse, NY	HA2-4811
NY	Land-C-Air Sales Co — 76 Main St, Tuckahoe, NY	WO1-4700
NC	Tonkin & Schiffler Associates — 1039 Westside Dr, Greensboro, NC	BR3-5578
Okla	Jack F McKinney Sales Co — P.O. Box 7337, Brookside Sta, Tulsa, Okla	RI5397
Ore	Don H Burcham Co — 510 N.W. 19th Ave, Portland, Ore	CA7-3830
Pa	Tanner & Couert Associates — 300 Mt. Lebanon Blvd, Pittsburg, Pa	
Tex	Jack F McKinney Sales Co — 1303 Chemical St, Dallas, Tex	RI1-1368
Tex	Jack F McKinney Sales Co — 5502 Arboles, Houston, Tex	GY9-9297
Wash	Don H Burcham Co — 422 1st Ave, Seattle, Wash	AT4-7297
Foreign	United Industries — P.O. Box 1122, Rotterdam, Holland	
Foreign	S E R I E L — 201 Ave Jean-Jaures, Clamart, France	
Foreign	Joseph Giveon — 92 Allenby Rd, Tel Aviv, Israel	
Foreign	Daniel Delgay — 58A Ch De Charleroi, Brussels, Belgium	
	VITRAMON INC — **P. O. Box 544, Bridgeport 1, Conn**	**AM5-1656**
Ariz	G S Marshall Co — 2030 E. Broadway, Tucson, Ariz	MA2-4719
Cal	G S Marshall Co — 2015 El Camino Real, Redwood City, Cal	EM6-8214
Cal	G S Marshall Co — 2065 Huntington Dr, San Marino, Cal	SY5-4304
Cal	G S Marshall Co — 3525 5th Ave, San Diego, Cal	CY8-8234
Colo	Barnhill Associates — 1170 S. Sheridan Blvd, Denver, Colo	WE5-4645
Conn	John E Boeing Co — 265 Church St, New Haven, Conn	ST7-0115
Fla	William R Lehman Co — P.O. Box 1224, Orlando, Fla	GA4-0131
Ill	Gassner & Clark Co — 6644 N. Western Ave, Chicago 45, Ill	RO4-6121
Mass	John E Boeing Co — P.O. Box 235, Lexington 73, Mass	VO2-2500
Mich	Koehler-Pasmore Co — 11833 Hamilton St, Detroit 3, Mich	TO8-3322
Minn	Anderson & Associates — 3825 York Ave, N., Minneapolis, Minn	JU8-2523
Mo	Harris-Hanson Co — 2814 S. Brentwood Blvd, St. Louis 17, Mo	MI7-4350
Mo	Harris-Hanson Co — 7916 Paseo Ave, Kansas City 30, Mo	HI4-9494
NJ	Art Cerf & Co — 744 Broad St, Newark 2, NJ	MI2-6734
NM	Barnhill Associates — 8310 Cutler Ave, N.E., Albuquerque, NM	AX 9-7997
NY	Holliday-Hathaway Co., Inc — P.O. Box 296, New Hartford, NY	RE2-1602
NY	Holliday-Hathaway Co., Inc — 94 Henry St, Binghamton, NY	RA3-5177
NY	Holliday-Hathaway Co., Inc — P.O. Box 1081, Rochester 3, NY	HO7-3694
NC	The Candor Co — 2080 Beach St, Winston-Salem, NC	PA2-1432
Ohio	Sheridan Associates Inc — 4217 N. Main St, Dayton 5, Ohio	CR7-7212
Ohio	Sheridan Associates Inc — 6333 York Rd, Cleveland 30, Ohio	TU4-8060
Ohio	Sheridan Associates Inc — Roselawn Ctr Bldg, Cincinnati 37, Ohio	ME1-2460
Pa	William I Duncan & Associates — 5452 Charles St, Philadelphia 24, Pa	CU9-7525
Tex	Don Champion Co — P.O. Box 456, Hurst, Tex	AT4-1414
Utah	Barnhill Associates — 207 N 4th E., Centerville, Utah	AX5-7519
Wash	Ray Johnston Co — 1011 E. 69th St, Seattle 15, Wash	LA4-5170
Canada	Aeromotive Engineering Products — 1912 Avenue Rd, Toronto 12, Ont, Canada	RU3-4288
Canada	Aeromotive Engineering Products — 147 Hymus Blvd, Pointe Claire, Que, Can	OX7-0810
	VITRO CORP OF AMERICA — **261 Madison Ave, New York 16, NY**	
	VITROSEAL CORP — **Vine & Race Sts, Ridgway, Pa**	**PR2-4655**
Cal	R L Reid & Co — 248 W. Pamela Rd, Arcadia, Cal	
Ind	R L Reid & Co — P.O. Box 6048, Indianapolis 20, Ind	VI6-2511
NJ	Barrett Border — 121 Oak St, Tenafly, NJ	LO8-2354
NY	Components for Industry — 103 Greenhaven Terr, Tonawanda, NY	JA7900
Pa	Rothenheber & Co — 53 Cricket Ave, Ardmore, Pa	MI2-6911
Tex	Lawrence Sales Co — P.O. Box 13026, Dallas 20, Tex	FL2-7484
	VOAK ENGINEERING CO — **129 E. A St, Upland, Cal**	**YU2-3538**
Ariz	M W Riedel & Co — 316 E. Valley Blvd, Alhambra, Cal	CU3-7694
Cal	M W Riedel & Co — 316 E. Valley Blvd, Alhambra, Cal	CU3-7694
Del	Houser Associates — 734-15th St, N.W., Washington, DC	WE8-0084
DC	Houser Associates — 734-15th St, N.W., Washington, DC	WE8-0084
Md	Houser Associates — 734-15th St, N.W., Washington, DC	WE8-0084
Mass	John J Goode Associates — Box 176, Wellesley Hills, Mass	CE5-0552
NJ	Industron Co — 300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Industron Co — 300 Northern Blvd, Great Neck, NY	HU7-2620
NY	Industron Co — 200 E. Genesee St, Syracuse 1, NY	
Pa	Industron Co — Broad & Chestnut Sts, Philadelphia 7, Pa	KI6-4121
Tex	Southwest Electronic Industries — Meadows Bldg, Dallas 6, Tex	EM3-1671
	VOCALINE CO OF AMERICA INC — **Old Saybrook, Conn**	**EV8-3414**
	VOI-SHAN ELECTRONICS — **13259 Sherman Way, Hollywood, Cal**	**TR7-9952**
Ark	Koch Engineering Sales Co — Meadows Bldg, Dallas 6, Tex	EM1-1765
DC	Thomas Eader & Associates — 1844 Edgewood Rd, Baltimore, Md	VA5-1130
Ill	Burt Anderson & Associates — 6414 N. Higgins Ave, Chicago, Ill	SP4-4174
La	Koch Engineering Sales Co — 1607 Jefferson, Houston 2, Tex	FA3-7051
Md	Thomas Eader & Associates — 1844 Edgewood Rd, Baltimore, Md	VA5-1130
Minn	Burt Anderson & Associates — 1821 University Ave, St. Paul, Minn	MI6-1111
NJ	Kenneth E Hughes Co — 4808 Bergenline Ave, Union City, NJ	OX5-0082
NY	Kenneth E Hughes Co — P.O. Box 54, Fayetteville, NY	NE7-9531
Ohio	Burt Anderson & Associates — Monterey, R R 3, Batavia, Ohio	RE4-6353
Okla	Koch Engineering & Sales Co — Meadows Bldg, Dallas, Tex	EM1-1765
Pa	Kenneth E Hughes Co — 101 N. 33rd St, Philadelphia, Pa	EV6-3130
Tex	Koch Engineering & Sales Co — Meadows Bldg, Dallas, Tex	EM1-1765
Va	Thomas Eader & Associates — 1844 Edgewood Rd, Baltimore, Md	VA5-1130
	VOKAR PRODUCTS INC — **201 Catherine, Ann Arbor, Mich**	**NO8-6908**
Ariz	Sheffler-Kahn Co — Box 1587, Phoenix, Ariz	AL8-7893
Cal	William Belfer — 926 Howard St, San Francisco 5, Cal	SU1-0392
Cal	Eddie Colman & Associates — 1503 Maple Ave, S., Los Angeles, Cal	RI9-6591
Colo	Hyde Electronics Co — 888 S. Lipan, Denver 23, Colo	WE6-3456
Fla	Cartwright & Bean — 4525 S. Louis Ave, Tampa, Fla	
Ga	Cartwright & Bean — 3223 Cains Hill Pl, N.W., Atlanta 5, Ga	
Hawaii	Dougherty Enterprises — 149 Kaimi St, Kailua, Hawaii	
Ill	William J Doyle Co — 7002 N. Western Ave, Chicago, Ill	RO1-3130
Ind	Kirsch Sales Co — Lafontaine, Ind	115
La	Cartwright & Bean — 821 Pontalba St, New Orleans, La	
Md	The Eberle-Schaar Co — 425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mich	R G Dailey Co — 201 Catherine St, Ann Arbor, Mich	NO8-6908
Minn	Nick J Laub Co — 3749 W. Broadway, Minneapolis 22, Minn	JU8-4663
Mo	F C Somers & Co — 17th & Main Sts, Kansas City, Mo	GR1-355
NY	Mingins Sales Co — 65 Shoreview Rd, Manhasset, NY	MA7-6386
NY	Dillon D Donahue — 105 Smith Ln, Syracuse 5, NY	GR6-2035
NC	Cartwright & Bean — 625 Herwin Dr, Charlotte, NC	
Ohio	Arthur H Baier Co — 12429 Cedar Ave, Cleveland, Ohio	FA1-5644
Ore	Roger M Minthorne Co — 0673 S.W. Taylor's Ferry Rd, Portland 19	CH6-4556
Pa	Eberle-Schaar Co — R F D 1, Lewisberry, Pa	PO6-3995
Pa	F P Yarussi Co — 312 Spring Valley Rd, Pittsburgh, Pa	CA1-4676
Tenn	Cartwright & Bean — 560 S. Cooper St, Memphis, Tenn	BR5-1914
Tex	John B Guenther — 4533 N. Central Expressway, Dallas, Tex	LA8-6296
Utah	Hyde Electronics Co — 2803 Conner St, Salt Lake City 9, Utah	IN7-5763
Wisc	Nick J Laub Co — 2333 W. Wells St, Milwaukee, Wisc	
Foreign	Joseph Plasencia Inc — 401 Broadway, New York, NY	WA5-3410
Canada	Desser E E Ltd — 441 St. Francois Xavier, Montreal 1, Can	VI5-6570
	VOLKERT STAMPINGS INC — **222-34 90th Ave, Queens Village 29, NY**	**HO4-8400**
	VOLTRON PRODUCTS — **1020 S. Arroyo Pkwy, Pasadena, Cal**	**MU2-3377**
Ala	Specialized Equipment Corp — Box 323, Cocoa Beach, Fla	3328
Ariz	Luscombe Engineering Co — 1129 S. Fair Oaks, Pasadena, Cal	RY1-3386
Cal	Luscombe Engineering Co — 1129 S. Fair Oaks, Pasadena, Cal	RY1-3386
Colo	Rowley-Bouvette Inc — 1370 S. Eaton Ct, Denver, Colo	WA2-2624
Conn	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Del	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
DC	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
Fla	Specialized Equipment Corp — Box 323, Cocoa Beach, Fla	3328
Ga	Luscombe Engineering Co — 254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Idaho	Drake & Associates — 1817 Norman St, Seattle 44, Wash	EA3-8545
Ill	S C Goodling — 714 S. Hi-Lusi Ave, Mt. Prospect, Ill	CL5-0926
Ind	The Satullo Co — 4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Iowa	Engineering Services Co — 4550 Main St, Kansas City, Mo	JE1-7765
Kan	Engineering Services Co — 4550 Main St, Kansas City, Mo	JE1-7765
La	Air Equipment Sales Co — 2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Me	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Md	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
Mass	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Mich	The Satullo Co — 4512 N. Woodward Ave, Royal Oak, Mich	LI9-3910
Miss	Specialized Equipment Corp — Box 323, Cocoa Beach, Fla	3328
Mo	Luscombe Engineering Co — 6635 Delmar Blvd, St. Louis, Mo	VO3-3661
Mont	Drake & Associates — 1817 Norman St, Seattle 44, Wash	EA3-8545
Neb	Luscombe Engineering Co — 6635 Delmar Blvd, St. Louis, Mo	VO3-3661
NH	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
NJ	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
NM	Rowley-Bouvette Inc — 1370 S. Eaton Ct, Denver, Colo	WA2-2624
NY	Bradley Associates — 215 W. 88th St, New York 24, NY	SU7-7227
NY	H J Rittenhouse Co — 543 Clinton Ave, S., Rochester 4, NY	BA5-2340
Ohio	Luscombe Engineering Co — 16801 Euclid Ave, Cleveland, Ohio	IV1-6200
Okla	Air Equipment Sales Co — 2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Ore	Drake & Associates — 1817 Norman St, Seattle 44, Wash	EA3-8545
Pa	Luscombe Engineering Co — 16801 Euclid Ave, Cleveland, Ohio	IV1-6200
Pa	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
RI	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
SC	Luscombe Engineering Co — 254 E. Paces Ferry Rd, Atlanta, Ga	CE3-5858
Tex	Air Equipment Sales Co — 2608 Inwood Rd, Dallas 35, Tex	FL2-6943
Utah	Rowley-Bouvette Inc — 955 Folsom Ave, Salt Lake City, Utah	DA2-2041
Vt	Cowperthwait & Brodhead — 570 Hillside Ave, Needham Hts 94, Mass	HI4-9410
Va	Arnold Associates — 528 Ryers St, Cheltenham, Pa	PI2-0600
Wash	Drake & Associates — 1817 Norman St, Seattle 44, Wash	EA3-8545
Wisc	S C Goodling — 714 S. Hi-Lusi Ave, Mt. Prospect, Ill	CL5-0926
Wyo	Rowley-Bouvette Inc — 1370 W. Eaton Ct, Denver, Colo	WA2-2624
Canada	Chas W. Pointon Ltd — 6 Alcina Ave, Toronto 10, Canada	
NY	Carse Electric Corp — 1044 Broadway, Albany, NY	625364
	VORAC CO — **147 Meadow Rd, Rutherford, NJ**	**WE3-1000**
Pa	Eichinger Industries Inc — 811 E. State St, Sharon, Pa	DI7-2350
	VULCAN ELECTRIC CO — **88 Holten St, Danvers, Mass**	**SP4-1730**
Ala	C H Cloer & Associates — 3272 Peachtree Rd, N.E., Atlanta, Ga	
Ark	R G Tutherington — 816 Carondelet St, New Orleans, La	CA6287
Cal	Fenwal Inc — 111 S. Burlington Ave, Los Angeles 57	DU8-3168
Cal	Bellflove Co — 420 Market St, San Francisco 11, Cal	YU2-3713
Colo	Speedster Inc — 1215 12th St, Denver 4, Colo	
Conn	Masten-Wright Corp — 2311 Whitney Ave, New Haven, Conn	AT8-1638
Del	Frank F Sahms — 419 Twickenham Rd, Glenside, Pa	TU4-2559
DC	Frank F Sahms — 419 Twickenham Rd, Glenside, Pa	TU4-2559
Fla	C H Cloer & Associates — 3272 Peachtree Rd, N.E., Atlanta, Ga	
Ga	C H Cloer & Associates — 3272 Peachtree Rd, N.E., Atlanta, Ga	
Ill	H Tom Collins — 549 W. Washington Blvd, Chicago 6, Ill	DE2-6993
Ind	H Tom Collins — 549 W. Washington Blvd, Chicago 6, Ill	DE2-6993
Ind	Fenwal Inc — 6525 W. North Ave, Oak Park, Ill	
Iowa	William B Odegard Co — 6504 Walker St, Minneapolis 27, Minn	
Kan	Jack M Gilbert Co — 131 E. 70th St, Kansas City 13, Mo	DE3-8830
Md	Frank F Sahms — 419 Twickenham Rd, Glenside, Pa	TU4-2559
Mich	Oliver Stirling Jr — 2591 W. Grand Blvd, Detroit 8, Mich	
Minn	William B Odegard Co — 6504 Walker St, Minneapolis 27, Minn	WE9-2226
Miss	C H Cloer & Associates — 3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-8981
Mo	Jack M Gilbert — 131 E. 70th St, Kansas City 13, Mo	DE3-8830
Mont	Speedster Inc — 1215 12th St, Denver 4, Colo	TA5-5345
Neb	Jack M Gilbert — 131 E. 70th St, Kansas City 13, Mo	DE3-8830
NJ	Vulcan Electric Co — 420 Lexington Ave, New York 17, NY	LE2-0806
NM	Speedster Inc — 1215 12th St, Denver 4, Colo	TA5-5345
NY	Vulcan Electric Co — 420 Lexington Ave, New York 17, NY	LE2-0806
NY	P G MacNeill — 100 Wellwood Dr, Fayetteville, NY	NE7-9205
NY	Frank T Long — 422 Niagara Falls Blvd, Niagara Falls, NY	PA5600

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
NC	D A Marsden	1331 S. Mint St, Charlotte, NC	FR5-5012
ND	William B Odegard Co	6504 Walker St, Minneapolis 27, Minn	WE9-2226
Ohio	Walter J Brauer	15631 Lakewood Heights Blvd, Cleveland	LA1-7268
Okla	Jack M Gilbert	131 E. 70th St, Kansas City, Mo	DE3-8830
Pa	Frank F Sahms	419 Twickenham Rd, Glenside, Pa	TU4-2559
SC	D A Marsden	1331 S. Mint St, Charlotte, NC	FR5-5012
SD	William B Odegard Co	6504 Walker St, Minneapolis 27, Minn	WE9-2226
Tenn	C H Cloer & Associates	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-8981
Tex	Southwestern Controls Inc	4716 Eth St, Houston, Tex	UN2-8874
Utah	Speedster Inc	1215 12th St, Denver 4, Colo	TA5-5345
Va	D A Marsden	1331 S. Mint St, Charlotte, NC	FR5-5012
Wash	J C McDougall Co	520 1st Ave, S., Seattle, Wash	MA1667
Wisc	William B Odegard Co	6504 Walker St, Minneapolis, Minn	WE9-2226
Wyo	Speedster Inc	1215 12th St, Denver 4, Colo	TA5-5345
	WAAGE ELECTRIC INC	**720 Colfax Ave, Kenilworth, NJ**	**CH5-9363**
Cal	Maddox Sales Co	914 E. 3rd St, Los Angeles, Cal	MA4-2306
Pa	Harry M Bell Associates	3326 Lancaster Ave, Philadelphia, Pa	BA2-7028
	WABER ELECTRONICS INC	**Hancock & Somerset, Phila 33, Pa**	
Ark	Dick Bellew Sales Co	314 Melrose, El Dorado, Ark	UN3-8325
Cal	Rudat & Ewing	10636 Burbank Blvd, Palo Alto, Cal	DA2-5232
Cal	Simonite-Lewis Associates	636 Waverly St, North Hollywood, Cal	TR7-1674
Cal	Irving Ballard Co., Inc	407 Sansome St, San Francisco 11, Cal	SU1-1781
Conn	Maher Sales Co	106 Woodlawn St, W. Hartford 10, Conn	
Ill	Mike Bermann	8631 E. Prairie Rd, Skokie, Ill	OR5-3740
Ind	Baatz Sales Co	3535 Horner Dr, Indianapolis 9, Ind	
NY	Verter Sales Co	2352 E. 66th St, Brooklyn 34, NY	HI4-3880
Pa	George Hauntenschild	949 E. Godfrey Ave, Philadelphia 24, Pa	PI4-0847
Pa	F P Yarussi Co	312 Spring Valley Rd, Pittsburgh 16, Pa	CA1-4676
Wisc	Mike Bermann	8631 Prairie Rd, Skokie, Ill	OR5-3740
	WACLINE INC	**35 S. St. Clair St, Dayton 2, Ohio**	**BA8-5161**
Cal	Tim-Co Sales	6845 Louise Ave, Van Nuys, Cal	DI4-7803
Cal	Long & Associates	Brewster & Warren Bldg, Redwood City	EM9-3324
Conn	John Goode Associates	65 Eliot St, Ashland, Mass	
DC	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore, Md	
Ind	Airborne Sales	6835 W. Higgins Ave, Chicago 31, Ill	RO3-1844
Iowa	Airborne Sales	6835 W. Higgins Ave, Chicago 31, Ill	RO3-1844
Kan	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	AM7-3850
Me	John Goode Associates	65 Eliot St, Ashland, Mass	
Md	Electrical Mfrs Service	318 Mathieson Bldg, Baltimore 2, Md	LE9-2131
Mass	John Goode Associates	65 Eliot St, Ashland, Mass	TR2-4485
Mich	Electro Rep	22519 Telegraph Rd, Detroit 41, Mich	SO970
Mo	Lawrence L Hill	1635 Garland Ave, Wichita, Kan	
NH	John Goode Associates	65 Eliot St, Ashland, Mass	
NJ	Jack Miller Co	1 Continental Ave, Forest Hills, NY	
NJ	Air Marine Inc	Commerce Bldg, Narberth, Pa	
NY	Jack Miller Co	1 Continental Ave, Forest Hills, NY	BO3-4446
NC	Lee Davis	Box 5091, High Point, NC	HI2-3495
Ohio	Electro Rep	22519 Telegraph Rd, Detroit, Mich	
Okla	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	
Ore	N R Schultz Co	4227 Airport Way, Seattle, Wash	
Pa	Air Marine Inc	Commerce Bldg, Narberth, Pa	MO4-8116
RI	John Goode Co	65 Eliot St, Ashland, Mass	
Tenn	John Temple	809 Chattanooga Bk Bldg, Chattanooga	AM7-4293
Tex	Edward F Aymond Co	4312 Maple Ave, Dallas 19, Tex	LA6-5233
Vt	John Goode Co	65 Eliot St, Ashland, Mass	
Wash	N R Schultz Co	4227 Airport Way, Seattle 8, Wash	MA4-9650
	WADE ELECTRIC PRODUCTS CO	**400 Jacob St, Sturgis, Mich**	**OL 1-3255**
	WADSWORTH ELECTRIC MFG CO	**20 W. 11 St, Covington, Ky**	
Cal	The Agencies Co	836 Traction Ave, Los Angeles 13, Cal	MA6-5443
Cal	Hodges & Clomb Inc	921 Bryant St, San Francisco 3, Cal	UN1-2367
Colo	L S Reed & Co	1018 Lawrence St, Denver 4, Colo	AL5-1777
Conn	J J O'Neill	Box 134, Branford, Conn	HU8-7077
Fla	C H Porter	1178 Keene Rd, Largo, Fla	JU4-2072
Ga	George H Will Jr	2427 Morosgo Ct, N.E., Atlanta 5, Ga	CE7-4180
Ill	J J Smith	322 S. Jefferson St, Chicago 6, Ill	ST2-2370
Ind	A Lee Clifford & Co	1801 W. 18th St, Indianapolis 7, Ind	WE6-4449
Kan	D W Phillips	4815 W. 71st Terr, Prairie Village, Kan	HE2-8168
La	S M Redmann	643 N. Scott St, New Orleans, La	HU6-5421
Md	G H Weitzel	4A Old Station Rd, Severna Park, Md	SE41W
Mass	E R Haller	25 Wendell St, Boston 10, Mass	LI2-7313
Mich	E V Gallagher	236 Piquette St, Detroit 2, Mich	TI2-0277
Minn	C W Hendrix	1897 Holton Ave, St. Paul 13, Minn	MI5-2664
NY	C E McKenna	277 Broadway, New York 7, NY	BE3-0980
NY	F W Laver	115 Arlington Rd, Utica 3, NY	RA4-2304
NC	J H Bowers	1846 N. Elm St, Greensboro, NC	BR5-2110
Ohio	F A Thoeny	1971 Alexandria, Highland Hghts, Ky	HI1-2610
Ohio	R H Browder	Brewster Rd, Geauga Lake, Ohio	KI3-3071
Okla	Wayne G Parker	222 W. B St, Jenks, Okla	SH9-5449
Ore	Bruce-Emmett Co	830 S.E. Alder St, Portland 14, Ore	BE2-8117
Pa	George Kristinich	241 Race St, Philadelphia, Pa	MA7-1184
Pa	A N Hyams	1725 Yorktown Pl, Pittsburgh, Pa	PE1-7100
Tex	The Jack Morgan Co	1013 Slocum St, Dallas 7, Tex	RI7-4973
Wisc	J A Cantrell	8628 N. 59th St, Milwaukee 18, Wisc	FL5-5550
	WAGNER ELECTRIC CORP	**6400 Plymouth Ave, St. Louis 33, Mo**	
	WAH CHANG CORP WAHLGREN MAGNETICS DIV	**233 Broadway, New York 7, NY**	**CO7-0887**
	MARSHALL INDUSTRIES	**1900 Walker Ave, Monrovia, Cal**	**EL9-8301**
Ariz	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
Cal	G S Marshall Co	2065 Huntington Dr, San Marino, Cal	SY5-4304
NY	B B Taylor Co	2270 Grand Ave, Baldwin, NY	
Ohio	Sheridan Associates	Roselawn Center Bldg, Cincinnati 37, Ohio	
Va	Instrument Associates	1315 Massachusetts Ave, Arlington, Mass	
	WAKEFIELD ENGINEERING INC	**9 Broadway, Wakefield, Mass**	
	WALDES KOHINOOR INC	**47-16 Austel Pl, Long Island City 1, NY**	**EX2-3100**
Ala	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
Ariz	Mel S Nielsen	423-27 E. 12 St, Los Angeles 15, Cal	RI8-8271
Ark	Benson Engrg Co	2514 W. Mockingbird Ln, Dallas, Tex	FL2-7541
Cal	Mel S Nielsen	423-427 E. 12 St, Los Angeles, Cal	RI8-8271
Cal	Paul W Vapnek	2270 N. Point, San Francisco 23, Cal	WA2-0723
Colo	Bearings Service & Supply Co	4433 Claude Ct, Denver 16, Colo	AC2-5991
Conn	John H DeBree	12 Andrews St, Bethel, Conn	PI3-5438
Del	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
DC	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
Fla	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
Ga	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
Idaho	Bearings Service & Supply Co	Airport Rd, Idaho Falls, Idaho	3150
Ill	Hammond & Metcalfe	20 N. Wacker Dr, Chicago 6, Ill	FI6-8774
Ill	Ben J Gerker	6625 Delmar Blvd, St. Louis, Mo	PA7-7550
Ind	Wellman Engineering	4618 Winthrop Ave, Indianapolis, Ind	AT3-5698
Ind	Hammon & Metcalfe	20 N. Wacker Dr, Chicago 6, Ill	FI6-8774
Iowa	W E Peterson	721-26 Ave, Moline, Ill	4-5856
Kan	Benson Engineering Co	2106 W. 75th, Prairie Village 15, Kan	EN2-2843
Ky	Ben J Gerker	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7550
Ky	Gene Snodgrass	Box 194, Dayton 1, Ohio	CR7-2401
La	Benson Engineering Co	2514 W. Mockingbird Ln, Dallas, Tex	FL2-7541
Me	Paul E Wolfe & Associates	460 Ridge View Rd, Orange, Conn	SY5-4343
Md	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
Mass	Paul E Wolfe & Associates	460 Ridge View Rd, Orange, Conn	SY5-4343
Mich	John O'Shaughnessey	18954 Jas Couzens, Detroit 35, Mich	UN4-8819
Mich	Velie Sales Inc	6480 Wayzata Blvd, Minneapolis, Minn	LI5-2558
Minn	Velie Sales Inc	6480 Wayzata Blvd, Minneapolis 26	LI5-2558
Miss	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
Mo	Ben J Gerker	6625 Delmar Blvd, St. Louis 30, Mo	PA7-7550
Mo	Benson Engineering Co	2106 W. 75th, Prairie Village, Kan	EN2-2843
Mont	Industrial Bearing Co	223 W. Alder St, Missoula, Mont	3-3723
Neb	Benson Engineering Co	2106 W. 75th, Prairie Village, Kan	EN2-2843
Nev	Mel S Nielsen	423-427 E. 12 St, Los Angeles 15, Cal	RI8-8271
NH	Paul E Wolfe & Associates	460 Ridge View Rd, Orange, Conn	SY5-4343
NJ	Franklin B Parker	26 Woodland Ave, Bronxville, NY	DE7-5057
NJ	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
NM	Mel S Nielsen	423-427 E. 12 St, Los Angeles 15, Cal	RI8-8271
NY	Keller Industrial Products Inc	217 East Ave, Rochester 4, NY	HA6-3255
NY	John H DeBree	12 Andrews St, Bethel, Conn	PI3-5438
NY	Franklin B Parker	26 Woodland Ave, Bronxville, NY	DE7-5057
NC	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
ND	Velie Sales Inc	6480 Wayzata Blvd, Minneapolis 26, Minn	LI5-2558
Ohio	John A Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Ohio	Gene Snodgrass	Box 194, Dayton 1, Ohio	CR7-2401
Okla	Benson Engineering Co	2514 W. Mockingbird Ln, Dallas 35, Tex	FL2-7541
Ore	Paul W Vapnek	2270 N. Point, San Francisco 23, Cal	WA2-0723
Pa	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
Pa	John A Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
RI	Paul E Wolfe & Associates	460 Ridge View Rd, Orange, Conn	SY5-4343
SC	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
SD	Velie Sales Inc	6480 Wayzata Blvd, Minneapolis 26, Minn	LI5-2558
Tenn	J O King Inc	1341 Spring St, N.W., Atlanta 9, Ga	TR5-7974
Tex	Benson Engineering Co	2514 W. Mockingbird Ln, Dallas 35, Tex	FL2-7541
Utah	Bearings Service & Supply Co	1207 S. Main St, Salt Lake City 10, Utah	DA2-1621
Vt	John H Debree	12 Andrews St, Bethel, Conn	PI3-5438
Va	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
Wash	Paul W Vapnek	2270 N. Point, San Francisco 23, Cal	WA2-0723
W. Va	Towle Industrial Corp	402 Bethlehem Pike, Philadelphia 18, Pa	AD3-2200
W. Va	John A Petrie	5767 Mayfield Rd, Cleveland 24, Ohio	HI2-5530
Wisc	Velie Sales Inc	6480 Wayzata Blvd, Minneapolis 26, Minn	LI5-2558
Wisc	Hammond & Metcalf	828 N. Broadway, Milwaukee 2, Wisc	BR3-4807
Wyo	Bearings Service & Supply Co	4433 Claude Ct, Denver 16, Colo	AC2-5991
Foreign	C Schoffer	Hacquartstr 6, Amsterdam Z, Holland	
Foreign	F Peter & Co	Zurich, Zollstr 14, Switzerland	
	WALDON ELECTRONICS INC	**4621 W. 53 St, Chicago 32, Ill**	**LU5-1212**
Ala	Fred Wamble Sales Co	3867 Sherwood Dr, Montgomery 9, Ala	AM2-1573
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	AP8-2266
Cal	Sinai-Johnson Inc	845 Jessie St, San Francisco, Cal	UN6259
Cal	Ungar Sales Associates	9925 Venice Blvd, Los Angeles 34, Cal	UP0-6116
Colo	W H Connors Co	375 Birch St, Denver, Colo	DE3-7628
Fla	Winfield Electronics Sales Co	666 N.E. 125th St, North Miami, Fla	PL1-5566
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	RO3-1570
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-2227
Mass	Eastern Electronic Sales Corp	145 University Rd, Brookline, Mass	AS7-9675
Mich	Robert Wilsk Co	19371 James Couzens Hwy, Detroit, Mich	BR3-3652
Minn	Clark R Gibb Co	2400 Hennepin Ave, Minneapolis 5, Minn	FR7-1200
Mo	L F Florence Co	406 W. 34th St, Kansas City, Mo	LO1-7282
NY	Jerry Kirshbaum Co	1533 Peninsula Blvd, Hewlett, NY	FR4-0111
NY	James C Schnitter	109 Easton Ave, Buffalo, NY	HU6551
Ohio	C L Pugh Co	2144 Riverside Dr, Columbus, Ohio	HU8-4855
Ore	Roger M Minthorne Co	0673 S.W. Taylor's Ferry Rd, Portland	CH6-4566
Tex	M F Klicpera Co	Box 3113, Houston 1, Tex	JA2-8459
Foreign	Roburn Agencies Inc	431 Greenwich St, New York 13, NY	WO6-2130
Canada	Active Radio & TV Ltd	58 Spadina Ave, Toronto 2B, Ont, Can	EM4-2256
	WALES STRIPPIT INC	**Akron, NY**	**LH2-5441**
Ala	Wales Strippit Inc	109 E. Pine St, Orlando, Fla	CH1-3163
Ariz	Wales Strippit Inc	6440 E. Corvette St, Los Angeles 22, Cal	OV5-8250
Ark	Wales Strippit Inc	Box 1265, Tulsa, Okla	LU2-0823
Cal	Wales Strippit Inc	634 Polk St, San Francisco, Cal	OR3-8866
Cal	Wales Strippit Inc	6440 E. Corvette St, Los Angeles 22, Cal	OV5-8250
Colo	Wales Strippit Inc	634 Polk St, San Francisco, Cal	OR3-8866
Conn	Wales Strippit Inc	111 Pearl St, Hartford, Conn	CH7-8278
DC	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
Del	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
Fla	Wales Strippit Inc	109 E. Pine St, Orlando, Fla	CH1-3163
Ga	Wales Strippit Inc	Box 349, Madison, Ga	221
Idaho	Wales Strippit Inc	101 Jones Bldg, Seattle 11, Wash	MA3-8306
Ill	Wales Strippit Inc	408 W. Madison St, Oak Park, Ill	VI8-3800
Ill	Wales Strippit Inc	34 N. Brentwood Blvd, Clayton 5, Mo	PA5-2905
Ind	Wales Strippit Inc	408 W. Madison St, Oak Park, Ill	VI8-3800
Ind	Wales Strippit Inc	132 E. 30th St, Indianapolis, Ind	WA6-9660
Iowa	Wales Strippit Inc	611 Kahl Bldg, Davenport, Iowa	62721
Kan	Wales Strippit Inc	Box 1265, Tulsa, Okla	LU2-0823
Ky	Wales Strippit Inc	432 Walnut St, Cincinnati, Ohio	GA1-1931
Ky	Wales Strippit Inc	132 E. 30th St, Indianapolis, Ind	WA6-9660
La	Wales Strippit Inc	1414 Electric Bldg, Ft. Worth, Tex	ED6-2997
Me	Wales Strippit Inc	419 Boylston St, Boston, Mass	KE6-3194
Md	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
Mass	Wales Strippit Inc	419 Boylston St, Boston, Mass	KE6-3194
Mass	Wales Strippit Inc	111 Pearl St, Hartford, Conn	CH7-8278
Mich	Wales Strippit Inc	3049 Grand Blvd, Detroit 2, Mich	TR3-0745
Mich	Wales Strippit Inc	408 W. Madison St, Oak Park, Ill	VI8-3800
Minn	Wales Strippit Inc	210 S. 5th St, Minneapolis, Minn	FE6-7404
Miss	Wales Strippit Inc	109 E. Pine St, Orlando, Fla	CH1-3163
Mo	Wales Strippit Inc	34 N. Brentwood Blvd, Clayton 5, Mo	PA5-2905
Mont	Wales Strippit Inc	101 Jones Bldg, Seattle 11, Wash	MA3-8306
Neb	Wales Strippit Inc	611 Kahl Bldg, Davenport, Iowa	62721
Nev	Wales Strippit Inc	634 Polk St, San Francisco, Cal	OR3-8866
NH	Wales Strippit Inc	419 Boylston St, Boston, Mass	KE6-3194
NJ	Wales Strippit Inc	1180 Raymond Blvd, Newark, NJ	MA4-4750
NJ	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
NM	Wales Strippit Inc	1414 Electric Bldg, Ft. Worth, Tex	ED6-2997
NY	Wales Strippit Inc	66 Willoughby St, Brooklyn, NY	UL5-7885
NY	Wales Strippit Inc	111 Pearl St, Hartford, Conn	CH7-8278
NY	Wales Strippit Inc	537 E. Delavan Ave, Buffalo 11, NY	HU5944
NC	Wales Strippit Inc	Box 349, Madison, Ga	221
ND	Wales Strippit Inc	210 S. 5th St, Minneapolis, Minn	FE6-7404
Ohio	Wales Strippit Inc	14011 Castalia Ave, Cleveland 10, Ohio	GL1-1882
Ohio	Wales Strippit Inc	432 Walnut St, Cincinnati, Ohio	GA1-1931
Okla	Wales Strippit Inc	Box 1265, Tulsa, Okla	LU2-0823
Ore	Wales Strippit Inc	101 Jones Bldg, Seattle 11, Wash	MA3-8306
Pa	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
Pa	Wales Strippit Inc	530-6th Ave, Pittsburgh 19, Pa	CO1-4953
RI	Wales Strippit Inc	419 Boylston St, Boston, Mass	KE6-3194
SC	Wales Strippit Inc	Box 349, Madison, Ga	221
SD	Wales Strippit Inc	210 S. 5th St, Minneapolis, Minn	FE6-7404
Tenn	Wales Strippit Inc	Box 349, Madison, Ga	221
Tenn	Wales Strippit Inc	109 E. Pine St, Orlando, Fla	CH1-3163
Tex	Wales Strippit Inc	1414 Electric Bldg, Ft. Worth, Tex	ED6-2997
Utah	Wales Strippit Inc	634 Polk St, San Francisco, Cal	OR3-8866
Vt	Wales Strippit Inc	111 Pearl St, Hartford, Conn	CH7-8278
Va	Wales Strippit Inc	38 Maplewood Ave, Philadelphia 44, Pa	GE8-7673
Wash	Wales Strippit Inc	101 Jones Bldg, Seattle 11, Wash	MA3-8306
W. Va	Wales Strippit Inc	432 Walnut St, Cincinnati, Ohio	GA1-1931
Wisc	Wales Strippit Inc	2333 W. Wells St, Milwaukee 3, Wisc	WE3-0858
Wisc	Wales Strippit Inc	210 S. 5th St, Minneapolis, Minn	FE6-7404
Wyo	Wales Strippit Inc	101 Jones Bldg, Seattle 11, Wash	MA3-8306
Foreign	Presses Raskin S A	Case Ville, Lausanne, Switzerland	
Foreign	E H Jones (Mach Tools) Ltd	Garantools Hse, Portland Rd, Hove 3, Sussex, England	
	WALKER CO. GEORGE	**118 Amsterdam Ave, Passaic, NJ**	
	WALKIRT CO	**141 W. Hazel, Inglewood, Cal**	**OR8-4814**
Ariz	Westron Sales & Engineering	7407 Melrose, Los Angeles 46, Cal	
Ark	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	
Cal	Westron Sales & Engineering	7407 Melrose, Los Angeles 46, Cal	
Colo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
Del	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
DC	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
Ind	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	
Iowa	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis, Mo	
Kan	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis, Mo	
La	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	
Me	William Richter Corp	645 E. Washington St, Hanson, Mass	
Md	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
Mass	William Richter Corp	645 E. Washington St, Hanson, Mass	
Mich	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	
Mo	Design & Sales Engineering Co	7603 Forsyth Blvd, St. Louis, Mo	
Nev	Westron Sales & Engineering	7407 Melrose, Los Angeles 46, Cal	
NH	William Richter Co	645 E. Washington St, Hanson, Mass	
NJ	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
NY	David Sonkin	10 Fiske Pl, Mt. Vernon, NY	
NY	William Richter Corp	107 Delores Terr, S., North Syracuse, NY	
NY	William Richter Corp	790 Linden Ave, Rochester 10, NY	
Ohio	Willard Spenser Co	20144 Livernois, Detroit 21, Mich	
Okla	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	
Pa	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
RI	William Richter Corp	645 E. Washington St, Hanson, Mass	
Tex	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex	
Vt	William Richter Corp	645 E. Washington St, Hanson, Mass	
Va	F D Marcy Associates	1180 Raymond Blvd, Newark, NJ	
Wyo	Vinson Associates	3600 S. Lincoln, Englewood, Colo	
	WALL MFG CO., P	**Erie St, Grove City, Pa**	**GR910**
Ariz	Perimuth Electronic Associates	5057 W. Washington Blvd, L A, Cal	WE1-1041
Cal	Perimuth Electronic Associates	5057 W. Washington Blvd, Los Angeles	WE1-1041
Colo	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Conn	Chas Segel Co	1262 Comm Ave, Boston, Mass	BE2-4334
Fla	Winfield Electronic Sales Co	666 N.E. 125 St, N. Miami, Fla	PL1-5566
Ill	Jess Haskell Associates	202 N. Marion Ave, Oak Park, Ill	EU6-5741
Ind	Walter Bieberich & Sons	2817 Plaza Dr, Ft Wayne, Ind	KE2928
Mass	Chas Segel Co	1262 Comm Ave, Boston, Mass	BE2-4334
Mich	Wayne Beittel Co	13209 Fenkell, Detroit, Mich	VE8-9100
Mo	L S Gershon & Son	2316 McGee Tfkwy, Kansas City, Mo	VI2-3171
NY	Norman Wittman	1820 Loring Pl, Bronx, NY	TR2-1730
NY	Steve Fisher Sales Co	600 Greenwood Ave, Brooklyn, NY	CH2-5825
Ore	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Pa	Herman Lewis Co	1622-68 Ave, Philadelphia, Pa	LI8-1281
Tex	Gordon V Peck Co	130 Casa Linda Plaza, Dallas 16, Tex	DA1-6579
Utah	Ralph Stevenson	2045 Walker Ln, Salt Lake City, Utah	
Wash	Dale G Weber Co	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Canada	Jewel Sales Co	9 Brooke Ave, Montreal, Quebec, Canada	PL6666
Foreign	E D Magnus & Associates	188 W. Randolph St, Chicago, Ill	FR2-8785
	WALLACE & TIERNAN INC	**25 Main St, Belleville 9, NJ**	**PL9-8000**
Cal	D J Bejcek	2180 Palou Ave, San Francisco 24, Cal	MI7-7165
Cal	K A Keim	1713 S. California Ave, Monrovia, Cal	EL8-1838
Colo	J H Streit	3500 E. Colfax Ave, Denver 6, Colo	EA2-5486
DC	A P Rudder	4630 Montgomery Ave, Bethesda, Md	OL6-8626
Fla	J R Hoy	401 1st Fed Svgs Bldg, Jacksonville	EL3-0373
Ga	M E Henley	1841-R Cheshire Bdge Rd, N.E., Atlanta	TR6-4431
Ill	C C Applanalp	1229 W. Washington Blvd, Chicago 7, Ill	CA6-3220
Ind	E F Kinney	Box 20008, Indianapolis 20, Ind	CL5-1591
Mich	W W Bloomfield	13615 W. 8 Mile Rd, Detroit 35, Mich	UN4-9060
Minn	W J Bell	Excelsior & Zarthan, Minneapolis 16	WE9-8521
Mo	H N Morrison	2319 Hampton Ave, St. Louis 10, Mo	MI7-3215
Mo	F A Martin	2800 Cherry St, Kansas City 8, Mo	VA1-5438
NY	M A Safford	Box 698, Latham, NY	ST5-7232
NY	R E Hoos	3407 Delaware Ave, Kenmore 17, NY	DE3044
NC	J H Henderlite	Box 4055, Charlotte 4, NC	ED4-4095
Ohio	B J Doyle	4209 W. 150th St, Cleveland 35, Ohio	CL2-5554
Ore	C E Carlson	921 S.W. Washington St, Portland 5, Ore	CA6-7000
Pa	J M Van Gelder	300 Mt. Lebanon Blvd, Pittsburgh 34, Pa	LO3-2800
Pa	H B Snyder	105 W. Eagle Rd, Havertown, Pa	HI6-4035
Tenn	G R Kavanagh	Box 10077, Knoxville 19, Tenn	KN6-5419
Tex	F H Puckhaber	5610 Dyer St, Dallas 6, Tex	EM8-6371
Tex	H C Young	3431 W. Holcombe Blvd, Houston 25, Tex	MO7-7531
Va	J P Kavanagh	213 Carlton Terrace Bldg, Roanoke 11	DI4-3011
Wash	R T Smith	2916 Western Ave, Seattle 1, Wash	MA2-2545
Canada	Wallace & Tiernan Ltd	Box 54, Toronto 13, Ontario, Canada	PL5-2258
	WALLIN OPTICAL SYSTEMS INC	**18470 Ventura Blvd, Tarzana, Cal**	**DI5-4670**
	WALLINGFORD STEEL CO	**Valley St, Wallingford, Conn**	**CO9-3361**
Cal	The Wallingford Steel Co	2403A W. Magnolia Blvd, Burbank, Cal	VI9-5468
Ill	Chas G Stevens Co	29 S. Jefferson St, Chicago, Ill	
Mass	Wallingford Steel Co	20 Providence St, Boston, Mass	HA6-7558
Mich	Wallingford Steel Co	16115 Myers Rd, Detroit, Mich	DI1-1141
NY	Brace Mueller Huntley	Buffalo, New York	
NY	Eastern Metals Warehouse	P.O. Box 910, Albany 1, NY	
NY	Wallingford Steel Co	7 E. 44th St, New York 17, NY	MU7-8647
Tenn	Thomas S Stone	P.O. Box 1361, Knoxville, Tenn	
Wisc	Frank W Ladky Associates	4604 S. Wilson Dr, Milwaukee, Wisc	
	WALLSON ASSOCIATES INC	**912 Westfield Ave, Elizabeth, NJ**	**FL1-0700**
	WALSCO ELECTRONICS MFG CO DIV TEXTRON ELECTRONICS	**400 S. Wyman St, Rockford, Ill**	**WO8-9661**
Ala	George O Jesse	1108 Fern St, Birmingham 9, Ala	TR9-6015
Alaska	Don Smith Sales Co	2320 N. 45th St, Seattle, Wash	EV3160
Ariz	Harry A Moore Sales Co	305 Indian School Rd, Phoenix, Ariz	CR4-0060
Ark	George O Jesse	1108 Fern St, Birmingham 9, Ala	TR9-6015
Cal	Bray & Carter	2234 W. 11th St, Los Angeles 6, Cal	DU9-3173
Cal	Meyer & Ross	113-10th St, San Francisco 3, Cal	HE1-0652
Colo	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Conn	Wm A Hendrickson Co	291-1st Parish Rd, Scituate, Mass	LI5-0652
Del	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
DC	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Fla	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2750
Ga	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2750
Hawaii	Jim Hastin	235 Cooke St, Honolulu, Hawaii	511-755
Idaho	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Ill	Theodore B Lowell & Associates	Box 26, Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Ill	Langhaus-Levy Associates	5317 S. Cottage Grove Ave, Chicago 15	DO3-5344
Ind	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	AN793-X
Iowa	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Kan	Theodore B Lowell & Associates	Box 26, Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Ky	Joe Clancy & Co	P.O. Box 269, Angola, Ind	AN793X
La	George O Jesse	1108 Fern St, Birmingham 9, Ala	TR9-6015
Me	Wm A Hendrickson Co	291-1st Parish Rd, Scituate, Mass	LI5-0652
Md	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Mass	William A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	LI5-0652
Mich	Levin-Sacks & Associates	2639 W. Peterson Ave, Chicago 45, Ill	LO1-7290
Minn	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Miss	George O Jesse	1108 Fern St, Birmingham 9, Ala	TR9-6015
Mo	Theodore B Lowell & Associates	Box 26 Creve Coeur Br, St. Louis 41, Mo	MI7-1111
Mont	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Neb	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Neb	Herbert W Knaggs Co	7503 Melba Ln, Belleville, Ill	EX7-2398
Nev	Meyer & Ross	113-10th St, San Fran 3, Cal	HE1-0652
NH	Wm A Hendrickson Co	291-1st Parish Rd, Scituate, Mass	LI5-0652
NJ	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
NJ	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
NM	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
NY	Erde-Haviland Associates	271 Hempstead Ave, Malverne, NY	LY9-6500
NY	Paston-Hunter Co	3307 Erie Blvd, E. Syracuse 14, NY	GI6-2180
NC	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2750
ND	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Ohio	Joe Clancy & Co	P.O. Box 269, Angola, Ind	AN793X
Okla	W R Hays Jr	3416 Rosedale Ave, Dallas 25, Tex	LA1-1216
Ore	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV3160
Pa	Hy Mates	5510 Hobart St, Pittsburgh 17, Pa	HA1-8998
RI	Wm A Hendrickson Co	291-1st Parish Rd, Scituate, Mass	LI5-0652
SC	Frank C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2750
SD	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Tenn	George O Jesse	1108 Fern St, Birmingham 9, Ala	TR9-6015
Tex	W R Hays Jr	3416 Rosedale Ave, Dallas 25, Tex	LA1-1216
Utah	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Vt	Wm A Hendrickson Co	291-1st Parish Rd, Scituate, Mass	LI5-0652
Va	Charles W Lienau Co	9427 Georgia Ave, Silver Spring, Md	JU7-5888
Wash	Don Smith Sales Co	2320 N. 45th St, Seattle 3, Wash	EV3160
W. Va	Hy Mates	5510 Hobart St, Pittsburgh, Pa	HA1-8998
Wisc	Ray Ripley	7222 James Ave, S., Minnpls 23, Minn	UN6-8682
Wyo	W B Golliher	1559 Chester St, Aurora, Colo	EM6-0208
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 19, Ont, Canada	RU1-6174
Foreign	Comet Corp	540 Lake Shore Dr, Chicago 11, Ill	DE7-2292
	WALTHAM ELECTRONICS CORP	**751 Main St, Waltham 54, Mass**	**TW4-6040**
Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Cal	Roland Olander & Co	6313 Santa Monica Blvd, Los Angeles 38	HO9-6313
Cal	Hugh Gray Co	2166 Market St, San Francisco, Cal	KL2-1777
Colo	Hyde Electronic Sales Co	888 S. Lipan St, Denver 23, Colo	WE6-3456
Fla	Scientific Sales Engineering Co	918 Snell Isle Blvd, St. Petersburg, Fla	5-7874
Fla	Scientific Sales Engineering Co	203 Lucerne Circle, N., Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta 9, Ga	TR3-2475
Ill	Saffro & Associates	5209 N. Kimball Ave, Chicago 25, Ill	JU8-0905
La	Gay Sales Co	Box 2905, Ostronma, Baton Rouge, La	EL7-2423
Md	Engineering Associates	2125 Maryland Ave, Baltimore, Md	HO7-1966
NM	Hyde Electronics Co	5206 Constitution Ave, N.E., Albuquerque	AM8-1111
NY	Jim Washington Associates	791 Blossom Rd, Rochester, NY	GR3-2465
NY	Lawrence C Freeman & Associates	24 Stephen St, Montclair, NJ	PL4-4775
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
Ohio	Fred R Sharp Co	2138 Lee Rd, Cleveland 18, Ohio	FA1-4200
Ohio	Fred R Sharp Co	321 N. Monroe, Xenia (Dayton), Ohio	
Tex	Gay Sales Co	Box 229, New Braunfels, San Antonio, Tex	
Tex	Gay Sales Co	Box 13232, Houston, Tex	JA9-3479
Tex	Gay Sales Co	Box 8414, Dallas, Tex	EM8-2325
Utah	Hyde Electronic Sales Co	2803 Connor St, Salt Lake City 9, Utah	IN7-5763
Wash	J K Dooley Co	3215 Western Ave, Seattle 1, Wash	AT4-8313
Canada	Conway Electronic Enterprises	1514 Eglinton Ave, W., Toronto 10, Can	RU3-6576
	WALTHAM HOROLOGICAL CORP (KEN-TRON CORP)	**396 Lynnway, Lynn, Mass**	**LY8-4750**
Ala	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Ariz	M W Riedel & Co	316 W. Valley Bd, Alhambra, Cal	CU3-7694
Ark	Tom Spivey Co	7547 Wilmerdean, Houston, Tex	
Cal	Logan Sales Co	150 8th St, San Francisco, Cal	HE1-0692
Conn	R W Gray Inc	47 Deforest St, Watertown, Conn	
Del	Stuart Warren Mount	1011 National Press Bldg, Washington, DC	
DC	Stuart Warren Mount	1011 National Press Bldg, Washington, DC	
Fla	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Ga	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Ill	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	
Ind	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	
Iowa	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	
Kan	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	
La	Tom Spivey Co	7547 Wilmerdean, Houston, Tex	
Me	R W Gray Inc	572 Washington St, Wellesley, Mass	
Md	Stuart Warren Mount	1011 National Press Bldg, Washington, DC	
Mass	R W Gray Inc	572 Washington St, Wellesley, Mass	
Miss	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Mo	Ellinger Sales Corp	6540 Northwest Hwy, Chicago 31, Ill	
Neb	Ellinger Sales Co	6540 Northwest Hwy, Chicago, Ill	
NH	R W Gray Inc	572 Washington St, Wellesley, Mass	
NY	Marsey Sales Co	529 Merchants Rd, Rochester 9, NY	
Okla	Tom Spivey Co	7547 Wilmerdean, Houston, Tex	
RI	R W Gray Inc	572 Washington St, Wellesley, Mass	
Tenn	W E Wolcott Co	P.O. Box 1523, Winter Park, Fla	
Tex	Tom Spivey Co	7547 Wilmerdean, Houston, Tex	
Utah	M W Riedel & Co	316 E. Valley Blvd, Alhambra, Cal	
Vt	R W Gray Inc	572 Washington St, Wellesley, Mass	
Va	Stuart Warren Mount	1011 National Press Bldg, Washington, DC	
Wisc	Ellinger Sales Co	6540 Northwest Hwy, Chicago 31, Ill	
Canada	Ben Manvis Associates	5317 Prince of Wales Ave, Mont 29, Que, Can	
	WALTHAM PRECISION INSTRUMENT CO	**221 Crescent St, Waltham, Mass**	**TW3-4000**
Ala	Wyborny Sales Co	Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
Alaska	M H D Research Inc	1571 Placentia Ave, Newport Beach, Cal	MI6-3444
Ariz	M H D Research Inc	1571 Placentia Ave, Newport Beach, Cal	MI6-3444
Ariz	R C Dudek & Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
Cal	M H D Research Inc	1571 Placentia Ave, Newport Beach, Cal	MI6-3444
Cal	R C Dudek & Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
Del	Emlen-Peterson Co	304 King of Prussia Rd, Radnor, Pa	MU8-0151
Fla	Wm F Hemminger Co	624 N. E. 79th St, Miami, Fla	PL9-0300
Iowa	Associated Industries Inc	1752 Rainier Ave, Seattle, Wash	EA5-4400
Md	Emlen-Peterson Co	304 King of Prussia Rd, Radnor, Pa	MU8-0151
Mo	Associated Industries Inc	455 S. Washington St, Wichita, Kan	HO4-0391
Mont	M H D Research Inc	1571 Placentia Ave, Newport Beach, Cal	MI6-3444
Neb	Associated Industries Inc	455 S. Washington St, Wichita, Kan	HO4-0391
Nev	M H D Research Inc	1571 Placentia Ave, Newport Beach, Cal	MI6-3444
NJ	Emlen-Peterson Co	304 King of Prussia Rd, Radnor, Pa	MU8-0151
Tex	Wyborny Sales Co	408 Merchandise Mart Bldg, Dallas 1, Tex	RI8-6139
	WANG LABORATORIES INC	**12 Huron Dr, Natick, Mass**	**OL3-3910**
Cal	Long & Associates	505 Middlefield Rd, Redwood City, Cal	EM9-3324
Del	C E Snow & Co	919 Phil-Ellena St, Philadelphia, Pa	LI8-8843
DC	C E Snow & Co	919 Phil-Ellena St, Philadelphia, Pa	LI8-8843
Md	C E Snow & Co	919 Phil-Ellena St, Philadelphia, Pa	LI8-8843
NJ	C E Snow & Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8843
Pa	C E Snow & Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8843
Va	C E Snow & Co	919 E. Phil-Ellena St, Philadelphia, Pa	LI8-8843
	WARCO INDUSTRIES INC	**6625 Delmar, St. Louis 30, Mo**	**PA7-7622**
Ala	Applebee-Church Inc	1958A Monroe Dr, Atlanta 9, Ga	TR5-7244
Cal	Web Electronic Associates	P.O. Box 45734, Westchester Sta, L A 45	OR8-0151
Conn	White Sales Co	39 Mildrum Rd, Berlin, Conn	VA8-9650
Del	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
DC	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
Fla	J J Galleher Co	617 Cleveland St, Clearwater, Fla	3-7706
Ga	Applebee-Church Inc	1958A Monroe Dr, N.E., Atlanta 9, Ga	TR5-7244
Ill	Wells-White Co	6625 Delmar, St. Louis 30, Mo	PA7-7622
Ind	Neal Engineering Co	909 E. 38th St, Indianapolis 9, Ind	WA5-0125
Kan	Wells-White Co	3937 Main St, Kansas City 11, Mo	JE1-6400
Ky	Neal Engineering Co	909 E. 38th St, Indianapolis 9, Ind	WA5-0125
Me	White Sales Co	945 Great Plains Ave, Needham 92, Mass	HI4-3676
Md	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
Mass	White Sales Co	945 Great Plains Ave, Needham 92, Mass	HI4-3676
Mich	Robert H Jackson	10534 Ludlow, Huntington Woods, Mich	LI2-5059
Miss	Applebee-Church Inc	1958A Monroe Dr, N.E., Atlanta 9, Ga	TR5-7244
Mo	Wells-White Co	6625 Delmar, St. Louis 30, Mo	PA7-7622
NH	White Sales Co	945 Great Plains Ave, Needham 92, Mass	HI4-3676
NJ	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
Ohio	Neal Engineering Co	53 Park Ave, Dayton 19, Ohio	AX3-1506
Ohio	Creativeering Inc	616 12th St, N. W. Canton 3, Ohio	HY9-3486
Pa	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
Pa	Creativeering Inc	616 12th St, N.W. Canton 3, Ohio	HY9-3486
RI	White Sales Co	945 Great Plains Ave, Needham 92, Mass	HI4-3676
SC	Applebee Church Inc	1958-A Monroe Dr, N.E. Atlanta 9, Ga	TR5-7244
Tenn	Applebee Church Inc	1958-A Monroe Dr, N.E. Atlanta 9, Ga	TR5-7244
Vt	White Sales Co	945 Great Plains Ave, Needham 92, Mass	HI4-3676
Va	Billis Sales Co	50 Ballad Ln, Levittown, NJ	TR7-3417
Wisc	John A E Schweiler Inc	1012 N. 3rd St, Milwaukee 3, Wisc	BR6-9633
	WARD LEONARD ELECTRIC CO	**23 South St, Mt. Vernon, NY**	**MO4-1000**
Cal	Ward Leonard Electric Co	1605 E. Olympic Blvd, Los Angeles 21	MA9-3595
Ga	Roger W Allen	1055 Stovall Blvd, N.E., Atlanta 19, Ga	MA9-3595
Mo	Ward Leonard Electric Co	4233 Chouteau Ave, St. Louis 10, Mo	JE5-6502
Ohio	Sheldon Storer & Associates	5300 Vine St, Cincinnati 17, Ohio	CA1-1191
Ohio	Martin-Rettger Inc	11955 Shaker Blvd, Cleveland 20, Ohio	SW1-6787
	WARD PRODUCTS CORP	**Edson St, Amsterdam, NY**	**VI2-7220**
Ala	Maitland K Smith Co	208 14th St, N.W., Atlanta 13, Ga	TR5-8031
Ariz	Sheller-Kahn Co	P.O. Box 1587, Phoenix, Ariz	AL8-7893
Cal	Sima-Johnson Inc	845 Jessie St, San Francisco, Cal	UN1-6259
Cal	Wedge Weber Co	1217 Venice Blvd, Los Angeles 6, Cal	
Colo	W H Connors Co	375 Bryant St, Denver, Colo	DE3-7628
Hawaii	Hastin Sales	235 Cooke St, Honolulu, Hawaii	
Ill	William M Lynz Co	6322 N. Cicero Ave, Chicago 46, Ill	MU5-2022
Ind	Joe Clancy & Co., Inc	P.O. Box 269, Angola, Ind	793
Mass	Anderson Sales Co	177 State St, Boston 9, Mass	CA7-2980
Mich	Grant Shaffer	14241 Fenkill Ave, Detroit 27, Mich	BR3-5390
Minn	Mel Foster Co	2402 Hennepin Ave, Minneapolis, Minn	FR4-2616
Mo	R W Farris Co	406 W. 34th St, Kansas City, Mo	PL3-5350
NJ	Marty Bettan Sales	167-16 73rd Ave, Flushing 66, NY	OL7-6659
NY	Marsey Sales Co	529 Merchants Rd, Rochester 9, NY	GR9088
NC	The Hilker Co	P.O. Box 5211, Winston-Salem, NC	PA5-8588
Ohio	Robert W Peters Co	350 E. 215th St, Cleveland 23, Ohio	AN1-2330
Ore	James W Lockersley	3150 S.W. Hamilton St, Portland 5, Ore	CH6-3183
Pa	David S Lynz	238 Skemore St, Philadelphia 11, Pa	ES9-0734
Tex	Fred Gross Sales Co	3005 Wylie Dr., Dallas 21, Tex	CH7-5424
Canada	Atlas Radio Corp Ltd	50 Wingold Ave, Toronto 10, Canada	RU1-6174
	WARNER ELECTRIC BRAKE & CLUTCH CO	**Beloit, Wisc**	**DU9-2211**
Cal	Theodore C Alford	2805 E. Foothill Blvd, Pasadena 1, Cal	MU1-7145
Colo	Power Transmission Inc	4965 Jackson St, Denver, Colo	DU8-1681
Conn	Joseph Cosgrove	7 Arlington Rd, Windsor Locks, Conn	NA3-0190
Ga	Ray W Dollar	254 E. Paces Ferry Rd, N.E., Atlanta 5	CE3-2032
Ill	C M Shepstone	5105 Highcrest Rd, Rockford, Ill	6-1553
Ill	Warner Electric Brake & Clutch Co	1915 N. Harlem Ave, Chicago 35, Ill	TU9-2161
La	McLellan Equipment Co	2375 Tchoupitoulas St, New Orleans, La	TU3415-6
Md	James J Moran	928 Kevin Rd, Baltimore 29, Md	WI7-1587
Mass	Joseph W Shea	571 High St, Westwood, Mass	DA6-7100
Mich	Warner Electric Brake & Clutch Co	15756 Wyoming Ave, Detroit 38, Mich	UN1-7389
Mo	Bates Sales Co	1025 N. 6th St, St. Louis 1, Mo	CE1-7530
NY	Ross Equipment Co., Inc	207 S. Wilbur Ave, Syracuse 4, NY	GR8-2179
NY	Ross Equipment Co., Inc	291 Cleveland Dr, Buffalo 15, NY	AT7720
NY	Ross Equipment Co., Inc	75 College Ave, Rochester 7, NY	BR1-5660
NY	Warner Electric Brake & Clutch Co	36 Main St, Madison, NJ	FR7-4800
NC	Cross Sales & Engineering Co	824 Winston St, Greensboro, NC	BR5-6365
Ohio	William R Mapes	Box 37, South Euclid 21, Ohio	
Ohio	Jack Henderson	2637 Erie Ave, Cincinnati, Ohio	TR1-1901
Pa	Warner Electric Brake & Clutch Co	118 Haddon Ave, Haddonfield, NJ	HA9-2103
SC	B L Montague Co., Inc	Drawer 191, Sumter, SC	SP3-3311
SC	B L Montague Co., Inc	Drawer 4337, Charleston Hghts, SC	SH4-6236
SC	B L Montague Co., Inc	Drawer 5124, Sta B, Greenville, SC	CE3-2745
Tex	George J Fix Co	2702 Polk Ave, Houston, Tex	CA5-6648
Tex	George J Fix Co	408 W. Weatherford, Ft. Worth, Tex	ED5-9283
Tex	George J Fix Co	2413-2415 Commerce St, Dallas 26, Tex	RI8-2218
Utah	C W Silver Co	550 W. 7th St., S. Salt Lake City, Utah	EL5-5378
Wisc	John Erbach	4003 W. Capitol Dr, Milwaukee, Wisc	UP1-8022
Canada	E W Playford Ltd	5851 Upper Lachine Rd, Montreal, Can	HU9-5383
Canada	Knowles & Foster (N A) Ltd	708 Terminal Bldg, Toronto, Ont, Can	EM3-5623

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WARREN COMPONENTS DIV EL-TRONICS ..... **S. Irvine St, Warren, Pa**	**RA3-6200**
Ariz	Gramer Co ..... 444 W. Camelback Rd, Phoenix, Ariz ...	CR9-1231
Cal	Arvin Bell Co ..... 385 E. Green St, Pasadena, Cal	MU1-6317
Conn	Wadsworth Mfg Assoc Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Del	Joseph Shay ..... 306 Northern Blvd, Albany, NY	
Del	Wadsworth Mfg Assoc Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Ill	Ryan & Associates ..... 2503 N. Talman Ave, Chicago 47, Ill ...	EV4-5749
Ind	Edwin A Schulz Co ..... 721 Sherwood Dr, Indianapolis 20, Ind ...	CL5-1993
Iowa	Ryan & Associates ..... 2503 N. Talman Ave, Chicago 47, Ill ...	EV4-5749
Ky	Edwin A Schulz Co ..... 721 Sherwood Dr, Indianapolis 20, Ind ...	CL5-1993
Me	Jos Shay ..... 306 Northern Blvd, Albany, NY	
Me	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Md	James J Phillips ..... 312 Pines Ave, W. Kane, Pa	
Md	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Mass	Jos Shay ..... 306 Northern Blvd, Albany, NY	
Mass	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Mich	Grant Shaffer Co ..... 14241 Fenkell Ave, Detroit 27, Mich	BR3-5390
Minn	Ryan & Associates ..... 2503 N. Talman Ave, Chicago 47, Ill	EV4-5749
Mo	Ryan & Associates ..... 2503 N. Talman Ave, Chicago 47, Ill ...	EV4-5749
NH	Jos W Shay ..... 306 Northern Blvd, Albany, NY	
NH	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
NJ	James J Phillips ..... 312 Pine Ave, W. Kane, Pa	
NJ	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
NY	James J Phillips ..... 312 Pine Ave, W. Kane, Pa	
NY	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Ohio	George Bray ..... 2936 Noble Rd, Cleveland 21, Ohio	EV2-6170
Pa	James J Phillips ..... 312 Pine Ave, W. Kane, Pa	
Pa	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
RI	Jos W Shay ..... 306 Northern Blvd, Albany, NY	
RI	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Tex	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Vt	Jos W Shay ..... 306 Northern Blvd, Albany, NY	
Vt	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Va	James J Phillips ..... 312 Pine Ave, W. Kane, Pa	
Va	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
W. Va	Wadsworth Mfg Associates Inc ..... 509 Balsam St, Liverpool, NY	OL2-7043
Wisc	Ryan & Associates ..... 2503 N. Talman Ave, Chicago 47, Ill	EV4-5749
	WARREN MFG CO., INC ..... **Newtown Rd, Littleton, Mass**	**HU6-3511**
Ill	Richard H Lund ..... 3802 Stanley Ave, Riverside, Ill	HI7-5562
	WARREN WIRE CO ..... **Pownal, Vt**	**VA3-7321**
Ariz	Cochrane Electronic Sales ..... 318 W. State Ave, Phoenix, Ariz	CR7-0506
Cal	Warren Wire Co ..... 1601 Chestnut St, Alhambra, Cal	AT9-5081
Cal	Bert Barron Co ..... 15166 Ventura Blvd, Sherman Oaks, Cal	CU3-5810
Cal	Allen Cochran Co ..... 2215 S. El Camino Real, San Mateo, Cal	FI5-7981
Colo	Warren Wire Co ..... 1601 Chestnut St, Alhambra, Cal	EN5081
Fla	Buchanan & Abrams Associates ..... P.O. Box 6026, Orlando, Fla	GA3-8995
Ill	Warren Wire Co ..... 911 Busse Hwy, Park Ridge, Ill	TA5-5546
Minn	W W Sales Co ..... 2245 Delaware Ave, St. Paul 18, Minn ..	CA2-8415
Mo	Hippler Sales Co ..... 1135 Cheshire Ln, St. Louis 19, Mo	WO1-8499
NJ	Warren Wire Co ..... 50 E. 25th St, Paterson, NJ	AR8-0550
NY	Warren Wire Co ..... 50 E. 25th St, Paterson, NJ	AR8-0550
NC	Jake Rudisill Associates ..... 1312 Myrtle Ave, Charlotte 3, NC	FR6-4792
Ohio	Warren Wire Co ..... 6886 Pearl Rd, Cleveland, Ohio	VI2-2929
Tex	Ammon & Woods ..... 5604 E. Mockingbird Ln, Dallas, Tex ..	TA6-4171
Wash	Seatronics Inc ..... 1817 Norman St, Seattle, Wash	EA4-8545
Wisc	Wire & Sintered Products Co ..... 4477 N. Farwell Ave, Milwaukee 11, Wisc	WO2-8320
	WARRICK CO., CHARLES F ..... **1964 W. 11 Mile Rd, Berkley, Mich**	
Cal	Calpacific Equipment Co ..... 50 Hawthorne St, San Francisco 5, Cal ..	GA1-0697
Cal	Guy L Warden & Sons ..... 209 W. 12th St, Los Angeles 15, Cal	RI7-0541
Colo	Goble & Sampson Inc ..... 1737 Franklin St, Denver 18, Colo	MA3-6976
Fla	Ward Engineering Co., Inc ..... 1015 W. Central, Orlando	GA2-4295
Hawaii	Pell Co., Inc ..... 330 Cooke St, Honolulu 6, Hawaii	6-6126
Ill	Kelbum Engineering Co ..... 3136 Clarence, Berwyn, Ill	BI2-1672
Ind	DeHaven Engineering Co ..... 115 N. Penn St, Indianapolis, Ind	ME2-2563
Ky	Phil L Riley Co ..... 1152 Bardstown Rd, Louisville	HI4811
Md	C A Briggs Associates ..... 610 Washington Ave, Baltimore 4, Md ...	VA3-4900
Mass	Williamson Electrical Co ..... 43 Fremont, Needham Hghts 94, Mass ...	NE3-3882
Mich	Hermes Bantle Associates ..... 1900 E. Jefferson, Detroit 7, Mich	LO7-8100
Minn	Kemp-Manning Sales Co ..... 2295 University, St. Paul, Minn	MI5-4637
Mo	C O Leaver Co ..... 4030 Chouteau Ave, St. Louis 10, Mo ...	JE1-2040
NM	Goble & Sampson Inc ..... 3826 4th St, Albuquerque, NM	DI4-2344
NY	Award Equipment Co., Inc ..... 906 Niagara, Buffalo 13, NY	GA7479
NY	Award Equipment Co., Inc ..... 5093 E. Henrietta Rd, Henrietta, NY	BR1-2132
NY	McIntosh Equipment Corp ..... 15 Park Row, New York 38, NY	DI8-3288
Ohio	Edmond C Frost & Co ..... 1545 Chelmsford Rd, Mayfield Hights	HI2-9040
Okla	Snyder Co., Inc ..... 1432 E. 6th St, Tulsa 20, Okla	GI7-0126
Ore	James L Keams Co., Inc ..... 6055 E. Glisan St, Portland 13, Ore	BE6-2444
Pa	Award Equipment Co., Inc ..... 2683 Maple St, Erie, Pa	GL4-7709
Pa	C A Briggs Associates ..... 220 S. Easton Rd, Glenside	TU7-4080
Tex	Snyder Co., Inc ..... 6234 Peeler St, Dallas, Tex	
Utah	North Monsen Co ..... 535 S. 2nd St, Salt Lake City	EM3-4627
Wisc	Grant Beverly Co ..... 3856 N. Pt. Wash Rd, Milwaukee, Wisc ..	WO2-2294
Foreign	Sales Offices Representatives In Principal Countries.	
	WARSAW COIL CO ..... **Warsaw, Ind**	**AM7-6041**
	WARWICK MANUFACTURING CORP **7300 N. Lehigh Ave, Chicago 48, Ill**	
	WASHINGTON ALUMINUM CO., INC **PRR & Knecht, Baltimore 29, Md**	**CI2-1000**
Ala	Southern Chemical & Equipment ..... 2811 S. 20th St, Birmingham, Ala	TR9-1761
Ariz	Ken Smith Co ..... Box 6104, Phoenix, Ariz	
Cal	M J Gigy & Associates Inc ..... 467 Sixth St, San Francisco, Cal.	YU6-2803
Fla	Tate Engineering ..... 708 Flagor Ave, Jacksonville 7, Fla	AL7-7111
La	Church-Dailing Co ..... 321 322 Carondelet Bldg, New Orleans 12	JA5-2233
Mass	N V Nelson & Co ..... 157 Federal St, Boston 10, Mass	LI2-7918
Mich	Michigan Hydrant & Value Mfg Co .... 8747 Brandt Ave, Dearborn, Mich	
Miss	Elmer E Schutz Jr ..... 11532 Placer Ave, St. Louis 38, Mo	SH1-0474
Neb	Oliver Barklage Co ..... 423 S. 38th Ave, Omaha, Neb	
NJ	Charles Gilfillan ..... Pennsville Rd, Salem, NJ	SA1094
Ohio	William C Trunbull Co ..... Box 44, Sta C, Toledo 7, Ohio	CH6-3437
Ohio	Fred L Kless ..... 14459 Washington Blvd, Cleveland 18 ...	ER1-3165
Ohio	Howes Iron Works ..... 4856 Henry St, Cleveland 25, Ohio	
Tex	Donald Pettephar ..... 1607 Jefferson Ave, Houston 2, Tex	CA7-1444
Utah	Waterworks Equipment Co ..... 502 W. 3rd S., Salt Lake City, Utah	
Canada	Triumph Continental Products .. 5890 Monkland Ave, Montreal 28, Canada	HU9-4901
	WASHINGTON MACHINE & TOOL WORKS INC ..... **13111 Wayzata Blvd, Minnpls, Minn**	
	WASHINGTON MFG CO., INC ..... **P.O. Box 370, Washington, Iowa**	**OL3-2169**
	WASSCO ELECTRIC PRODUCTS CORP ..... **2032 2nd Ave, S., St. Petersburg 12, Fla**	**OR1-2948**
Ariz	Claude Michael Inc ..... 703 W. Ivy St, Glendale 4, Cal	CH5-1308
Cal	Claude Michael Inc ..... 703 W. Ivy St, Glendale 4, Cal	CH5-1308
Conn	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
Me	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
Mass	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
Minn	Forcey Machine Tool Sales ..... Endicott Bldg, on 4th St, St. Paul 1, Minn	CA2-1600
NH	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
NM	Southwestern Sound Systems ..... 132 N. Church St, Las Cruces, NM	
Ohio	Andrew Sallade ..... 3683 River Rd, Toledo 14, Ohio	CH1-1141
Ore	Claude Michael Inc ..... 703 W. Ivy St, Glendale 4, Cal	CH5-1308
RI	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
Tex	William G Mays Co ..... P.O. Box 28246, Dallas 28, Tex	
Vt	The Connectronics Co ..... 669 South Ave, Weston 93, Mass	WE5-2165
Wash	Claude Michael Inc ..... 703 W. Ivy St, Glendale 4, Cal	CH5-1308
	WATERBURY COS INC ..... **835 S. Main, Waterbury, Conn**	**PL6-5551**
	WATERLOX DIV EMPIRE VARNISH CO ..... **2636 E. 74 St, Cleveland, Ohio**	**UT1-2737**
	WATERMAN PRODUCTS CO., INC .. **2445 Emerel St, Philadelphia 25, Pa**	**GA6-8600**
Ala	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
Alaska	AHMCO ..... Box 51, King County Airport, Seattle, Wash	PA5-9810
Ariz	Perlmuth Electronic Associates ..... 5057 W. Washington Blvd, L A 16, Cal...	WE1-1041
Ark	M F Klicpera Co ..... Box 3113, Houston 1, Tex	JA2-8459
Cal	Perlmuth Electronic Associates ..... 5057 W. Washington Blvd, L A 16, Cal...	WE1-1041
Fla	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
Ga	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
Idaho	AHMCO ..... Box 51, King County Airport, Seattle, Wash	PA5-9810
Ill	Royal J Higgins Co ..... 10105 S. Western Ave, Chicago 43, Ill...	CE3-7388
Ind	Royal J Higgins Co ..... 10105 S. Western Ave, Chicago 43, Ill...	CE3-7388
Iowa	Zak-Cowen & Associates Inc ..... 7730 Carondelet, St. Louis 5, Mo	PA7-8559
Kan	Zak-Cowen & Associates Inc ..... 7730 Carondelet, St. Louis 5, Mo	PA7-8559
La	M F Klicpera Co ..... Box 3113, Houston 1, Tex	JA2-8459
Mich	Royal J Higgins Co ..... 10105 S. Western Ave, Chicago 43, Ill...	CE3-7388
Minn	Scott Electronic Sales ..... 6500 Xerxes Ave, S., Minneapolis 23....	WA6-3919
Miss	M F Klicpera Co ..... Box 3113, Houston 1, Tex	JA2-8459
Mo	Zak-Cowen & Associates Inc ..... 7730 Carondelet, St. Louis 5, Mo	PA7-8559
Nev	Perlmuth Electronic Associates ..... 5057 W. Washington Blvd, L A 16, Cal...	WE1-1041
NY	Simberkoff Sales Co ..... 68 Hudson St, Hoboken, NJ	OL6-5211
NC	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
ND	Scott Electronic Sales ..... 6500 Xerxes Ave, S., Minnpls 23, Minn ..	WA6-3919
Ohio	Thomco Electronic Co ..... Box 181, N. Dayton Sta, Dayton 4, Ohio	BE3-3351
Okla	M F Klicpera Co ..... Box 2097, Tulsa, Okla	RI2-2515
Ore	AHMCO ..... Box 51, King County Airport, Seattle, Wash	PA5-9810
SC	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
SD	Scott Electronic Sales ..... 6500 Xerxes Ave, S., Minnpls 23, Minn ..	WA6-3919
Tenn	M F Klicpera Co ..... Box 3113, Houston 1, Tex	JA2-8459
Tenn	Roy Attaway Co ..... 528 N. McDonough St, Decatur, Ga	DR7-8943
Tex	M F Klicpera Co ..... Box 3113, Houston 1, Tex	JA2-8459
Wash	AHMCO ..... Box 51, King County Airport, Seattle, Wash	PA5-9810
Wisc	Royal J Higgins Co ..... 10105 S. Western Ave, Chicago 43, Ill...	CE3-7388
Foreign	Terminal Radio Intl Ltd ..... 135 Liberty St, New York 6, NY	WO4-3373
	WATERS CONLEY CO., INC ..... **17 E. Chestnut St, Chicago 11, Ill**	
Ala	Warren L Hasemeier ..... P.O. Box 3888, Sarasota, Fla	
Ariz	Edward Colman ..... 1503 S. Maple, Los Angeles 15, Cal	
Ark	Max Heidenreich ..... 6115 Denton Dr, Dallas, Tex	
Cal	Edward Colman ..... 1503 S. Maple, Los Angeles 15, Cal	
Colo	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Conn	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
Del	Sykes-Waterman & Associates ..... 255 W. Mt. Pleasant Ave, Philadelphia, Pa	
DC	Arthur E Selnick ..... 6605 Baythorne Rd, Baltimore 9, Md	
Fla	Stan Hasemeier ..... P.O. Box 534, Augusta, Ga	
Ga	Warren L Hasemeir ..... P.O.Box 3888, Sarasota, Fla	
Idaho	James W Eckersley ..... 3150 S. W. Hamilton St, Portland, Ore	
Idaho	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Ill	Rose, Irving W ..... Merchandise Mart, Chicago 54, Ill	
Ill	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	
Ill	Kelly-Schmitz-Winkeler Assoc ..... 7449 Broadway, Kansas City, Mo	
Ind	Harrison J Blind ..... 1506 Winton Ave, Indianapolis 24, Ind	
Iowa	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	
Iowa	Kelly-Schmitz-Winkeler Assoc ..... 7449 Broadway, Kansas City, Mo	
Kan	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	
Kan	Kelly-Schmitz-Winkeler Assoc ..... 7449 Broadway, Kansas City, Mo	
Ky	Roy L Smith ..... 2324 Crestmoor Rd, Nashville, Tenn	
La	Max Heidenreich ..... 6115 Denton Dr, Dallas, Tex	
Me	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
Md	Arthur E Selnick ..... 6605 Baythorne Rd, Baltimore 9, Md	
Mass	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
Miss	Max Heidenreich ..... 6115 Denton Dr, Dallas, Tex	
Mo	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	
Mo	Kelly-Schmitz-Winkeler Assoc ..... 7449 Broadway, Kansas City, Mo	
Mont	James W Eckersley ..... 3150 S. W. Hamilton St, Portland, Ore	
Mont	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Neb	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Neb	H F Winkeler ..... 3938 Lindell Blvd, St. Louis, Mo	
Neb	Kelly-Schmitz-Winkeler Associates .. 7449 Broadway, Kansas City, Mo	
NH	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
NJ	Smith-Benny Sales ..... 11 W. 42nd St, New York 36, NY	
NJ	Sykes-Waterman & Associates ..... 255 W. Mt. Pleasant Ave, Philadelphia 19, Pa	
NM	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
NY	Manny Garbin ..... 4439 S. Salina, Syracuse, NY	
NY	Smith-Benny Sales ..... 11 W. 42nd St, New York 36, NY	
NC	Stan Hasemeier ..... P.O. Box 534, Augusta, Ga	
Ohio	James H Podolny ..... 5912 Penn Ave, Pittsburgh 6, Pa	
Okla	Max Heidenreich ..... 6115 Denton Dr, Dallas, Tex	
Ore	James W Eckersley ..... 3150 S.W. Hamilton St, Portland, Ore	
Pa	James H Podolny ..... 5912 Penn Ave, Pittsburgh 6, Pa	
Pa	Sykes-Waterman & Associates ..... 255 W. Mt. Pleasant Ave, Philadelphia 19	
RI	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
SC	Stan Hasemeier ..... P.O. Box 534, Augusta, Ga	
Tenn	Roy L Smith ..... 2324 Crestmoor Rd, Nashville, Tenn	
Tex	Max Heidenreich ..... 6115 Denton Dr, Dallas, Tex	
Tex	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Utah	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
Vt	Robert Smith ..... 59 Verndale St, Brookline 46, Mass	
Va	James H Podolny ..... 5912 Penn Ave, Pittsburgh 6, Pa	
Va	Arthur E Selnick ..... 6605 Baythorne Rd, Baltimore 9, Md	
Wash	James W Eckersley ..... 3150 S.W. Hamilton St, Portland, Ore	
Wisc	Rose Irving W ..... Merchandise Mart, Chicago 54, Ill	
Wyo	W J Peyser Jr ..... 1501 N. Weber St, Colorado Springs, Colo	
	WATERS MANUFACTURING INC .... **Boston Post Rd, Wayland, Mass**	**EL8-2777**
Ariz	J T Hill Co ..... 318 W. State Ave, Phoenix, Ariz	CR7-0506
Cal	J T Hill Co ..... 420 S. Pine St, San Gabriel, Cal	AT7-9633
Colo	Inland Associates ..... 1480 Hoyt St, Lakewood, Colo	BE7-6881
Conn	Drew Associates Inc ..... P.O. Box 432, Milford, Conn	TR8-3129
Del	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
DC	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
Fla	W Ben Wimberly ..... 532 S. Ft. Harrison Ave, Clearwater, Fla	JU4-6618
Ill	L A Chambers Co ..... 5906 W. North Ave, Chicago, Ill	TU9-4884
Ind	L A Chambers Co ..... 5906 W. North Ave, Chicago, Ill	TU9-4884
Iowa	Inland Associates ..... 6047 Howe Dr, Mission, Kan	EN2-2366
Kan	Inland Associates ..... 6047 Howe Dr, Mission, Kan	EN2-2366
Me	Drew Associates Inc ..... P.O. Box 467, Bedford, Mass	CR4-7232
Md	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
Mass	Drew Associates Inc ..... P.O. Box 467, Bedford, Mass	CR4-7232
Mich	Harvey Teplitz & Co ..... 19942 Inkster Rd, Detroit, Mich	KE7-9058
Minn	Fred Peterson Co ..... 2431 Hennepin Ave, Minneapolis, Minn	FR7-3025
Mo	Inland Associates ..... 25 S. Bemiston Ave, Clayton 5, Mo	PA1-4435
Neb	Inland Associates ..... 6047 Howe Dr, Mission, Kan	EN2-2366
Nev	J T Hill Co ..... 420 S. Pine St, San Gabriel, Cal	AT7-9633
NH	Drew Associates Inc ..... P. O. Box 467, Bedford, Mass	CR4-7232
NJ	Gawler-Knoop Co ..... 178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NJ	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
NM	J T Hill Co ..... 420 S. Pine St, San Gabriel, Cal	AT7-9633
NY	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
NY	Gawler-Knoop Co ..... 178 Eagle Rock Ave, Roseland, NJ	CA6-4545
NC	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
ND	Fred Peterson Co ..... 2431 Hennepin Ave, Minneapolis, Minn ..	FR7-3025
Ohio	Harvey Teplitz & Co ..... 3543 Cornell Dr, Dayton, Ohio	CR7-9178
Okla	Lawrence Sales Co ..... P.O. Box 13026, Dallas, Tex	FL2-7484
Ore	Farwest Agencies ..... 209 First Ave, S., Seattle 4, Wash	MA4-5656
Pa	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
Pa	Harvey Teplitz & Co ..... 3543 Cornell Dr, Dayton, Ohio	CR7-9178
RI	Drew Associates Inc ..... P.O. Box 467, Bedford, Mass	CR4-7232
SD	Fred Peterson Co ..... 2431 Hennepin Ave, Minneapolis, Minn ..	FR7-3025
Tenn	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
Tenn	Dick Bellew Sales Co ..... 314 Melrose, El Dorado, Ark	UN3-8325
Tex	Lawrence Sales Co ..... P.O. Box 13026, Dallas, Tex	FL2-7484
Vt	Drew Associates Inc ..... P.O. Box 467, Bedford, Mass	CR4-7232
Va	S W Simberkoff ..... 68 Hudson St, Hoboken, NJ	OL6-5211
Wash	Farwest Agencies ..... 209 First Ave, S., Seattle 4, Wash	MA4-5656
W. Va	Harvey Teplitz & Co ..... 3543 Cornell Dr, Dayton, Ohio	CR7-9178
Wisc	L A Chambers Co ..... 5906 W. North Ave, Chicago, Ill	TU9-4884
Canada	M J Howard & Co Ltd ..... 1168 Gertrude St, Ottawa, Ont, Canada ..	CE5-9931
Foreign	Waters Mfg Inc ..... Boston Post Rd, Wayland, Mass	EL8-2777
	WATKINS-JOHNSON CO ..... **3333 Hillview Ave, Palo Alto, Cal.**	**DA6-8830**
	WATLOW ELECTRIC MFG CO ..... **1376 Ferguson Ave, St. Louis 14, Mo**	
	WATSON MFG CO., INC. ..... **4700 Taylor St, Jamestown, NY**	
	WAUGH ENGINEERING CO ..... **7842 Burnet Ave, Van Nuys, Cal**	**TR3-1055**
Cal	Egbert Engineering Associates ..... 499 Hamilton Ave, Palo Alto, Cal	DA6-1387
Cal	Right Engineering ..... 4434 Ingraham, San Diego, Cal	HU8-0090
Colo	Denver Engineering ..... 2720 E. 3rd, Denver, Colo	FL5-9144
Conn	Joseph Bertram & Co ..... 988 Farmington Ave, W. Hartford, Conn	AD3-9823
Mass	Joseph Bertram & Co ..... 570 Hillside Ave, Needham Heights	HI7-4304
Mich	S Sterling Co ..... 15310 W. McNichols Rd, Detroit, Mich ..	BR3-2900
Mo	Harris Hanson Co ..... 2814 S. Brentwood Blvd, St Louis, Mo ..	MI7-4350
Ohio	S Sterling Co ..... 5827 Mayfield Rd, Cleveland, Ohio	HI2-8080

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
Ohio	S Sterling Co	363 W. First St, Dayton 2, Ohio — BA8-8794
Pa	S Sterling Co	4024 Clairton, Pittsburgh, Pa — TU4-5515
Tex	Arnold Barnes Co	3603 Lemmon Ave, Dallas, Tex — LA6-8735
Foreign	Shallway International Corp	4639 162 St, Flushing 58, NY
	WAVEFORMS INC	**333 6th Ave, New York 14, NY — WA9-2795**
	WAVEGUIDE INC	**1769 Placentia Ave, Costa Mesa, Cal — MA8-7786**
	WAVELINE INC	**P. O. Box 71, Caldwell, NJ — CA6-9100**
Cal	Instruments For Measurements	3455 Cahuenga Blvd, Hollywood, Cal — HO9-7294
Cal	Instruments For Measurements	251 S. Murphy Ave, Sunnyvale, Cal — RE6-8680
Cal	Instruments For Measurements	3150 El Cajon Blvd, San Diego, Cal — AT3-2081
Colo	Automatic Control & Equipment Co	5750 Pecos St, Denver, Colo — GE3-6436
Fla	Murphy & Cota	1220 Edgewater Dr, Orlando, Fla — GA4-2167
Ga	Murphy & Cota	2110 Peachtree Rd, N.W., Atlanta 9, Ga — TR6-3020
Mass	Howard J Schuft Co., Inc	815 Washington St, Newtonville, Mass — LA7-5304
Mich	Tower Engineering Co	18450 Livernois Ave, Detroit, Mich — UN2-5370
NM	Industrial Associated Electronics Inc	119 Richmond St, S.E., Albuquerque, NM — AM8-7744
NY	Wall Associates	P.O. Box 161, DeWitt 14, NY — GI6-4100
NY	Wall Associates	P.O. Box 26, Boston, NY — HI3162
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC — PA4-0750
Ohio	Tower Engineering Co	3898 Linden Ave, Dayton 32, Ohio — CL6-0931
Ohio	Tower Engineering Co	2138 Lee Rd, Cleveland 18, Ohio — YE2-6105
Tex	Industrial Associated Electronics Inc	5007 E. Lancaster Ave, Ft. Worth, Tex — JE5-2056
Wisc	Eder Associates	2603 N. Downer Ave, Milwaukee 11, Wisc — WO4-3450
Canada	Beechey Enterprises	1162 Main St, N., Weston, Ont, Canada — CH4-8051
	WAYNE-GEORGE CORP	**588 Commwealth Ave, Boston 15, Mass — CO7-8425**
	WAYNE KERR CORP	**1633 Race St, Philadelphia 3, Pa — LO8-6820**
Ala	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
Ariz	McCarthy Associates	111 W. Osborn Rd, Phoenix, Ariz — CR9-1891
Cal	McCarthy Associates	635 Oak Grove, Menlo Park, Cal — DA6-7937
Cal	McCarthy Associates	3460 Ingraham St, San Diego 9, Cal — BR4-1100
Cal	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal — MU1-7411
Conn	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY — MO4-7530
Del	Burlingame Associates	8218 Wisconsin Ave, Wash, DC — OL4-6400
DC	Burlingame Associates	8218 Wisconsin Ave, Wash, DC — OL4-6400
Fla	E G Holmes & Associates	P.O. Box 7783, Orlando, Fla — CH1-2128
Ga	E G Holmes & Associates	4969 Roswell Rd, N. E., Atlanta, Ga — BL5-6660
Kan	LeeMark Associates	P.O. Box 8467, Kansas City 14, Mo
La	E G Holmes & Associates	4969 Rosewell Rd, Atlanta, Ga — BL5-6660
Me	Burlingame Associates	974 Main St, Waltham, Mass — TW1955
Md	Burlingame Associates	8218 Wisconsin Ave, Wash, DC — OL4-6400
Mass	Burlingame Associates	974 Main St, Waltham, Mass — TW1955
Mich	Tiby Co	18222 James Couzens Hwy, Detroit, Mich — UN4-9298
Miss	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
Mo	Lee Mark Associates	2001 Big Bend Dr, St. Louis, Mo — MI7-1470
Neb	Lee Mark Associates	P.O. Box 8467, Kansas City, Mo
Neb	Lee Mark Associates	2001 Big Bend Dr, St. Louis, Mo
Nev	McCarthy Associates	635 Oak Grove, Menlo Park, Cal — DA6-7937
Nev	McCarthy Associates	3460 Ingraham St, San Diego, Cal — BR4-1100
Nev	McCarthy Associates	1055 E. Walnut St, Pasadena, Cal — MU1-7411
NH	Burlingame Associates	974 Main St, Waltham, Mass — TW1955
NJ	Burlingame Associates	510 S. Fulton Ave, Mt. Vernon, NY — MO4-7530
NY	Burlingame Associates	514 University Bldg, Syracuse, NY — GR4-7409
NY	Burlingame Associates	510 S. Fulton Ave,Mt. Vernon, NY — MO4-7530
NC	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
Ohio	Tiby Co	2245 Warrensville Center Rd, Cleveland — ER1-5335
Pa	Burlingame Associates	222 Long Ln, Upper Darby, Pa — SH7-9080
RI	Burlingame Associates	974 Main St, Waltham, Mass — TW1955
SC	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
Tenn	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
Vt	Burlingame Associates	974 Main St, Waltham, Mass — TW1955
Va	E G Holmes & Associates	4969 Roswell Rd, Atlanta, Ga — BL5-6660
	WEBBER MFG CO., INC	**P.O. Box 217, Indianapolis 6, Ind — ME2-1378**
	WEBCOR INC	**5610 Bloomingdale, Chicago 39, Ill — TU9-8500**
Ala	Robert E Evensen	3424 Spring Circle, Decatur, Ga — BU9-0742
Ariz	Shefler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz — AL8-7893
Ark	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Cal	Ray Hillebrand	1326 N. Maple, Burbank, Cal
Colo	Shefler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz
Conn	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
Del	Dave Orkin	7500 Sherwood Rd, Philadelphia, Pa — TR8-1480
DC	Dave Orkin	7500 Sherwood Rd, Philadelphia, Pa — TR8-1480
Fla	Robert E Evensen	3424 Spring Circle, Decatur, Ga — BU9-0742
Ga	Robert E Evensen	3424 Spring Circle, Decatur, Ga — BU9-0742
Hawaii	George S Tivy	2230 W. 11th St, Los Angeles, Cal — DU7-1158
Idaho	W W Wheat & Son	2219 4th Ave, Seattle, Wash — MA4-6222
Ill	S W Ball	521 W. 85th Terr, Kansas City, Mo — EM1-1756
Ind	Frank Augustin	104 S. Ironwood Dr, South Bend, Ind — CE3-5847
Iowa	S W Ball	521 W. 85th Terr, Kansas City 14, Mo — EM1-1756
Kan	S W Ball	521 W. 85th Terr, Kansas City 14, Mo — EM1-1756
Ky	Frank Augustin	104 S. Ironwood Dr, South Bend, Ind — CE3-5847
La	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Me	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
Md	Dave Orkin	7500 Sherwood Rd, Philadelphia, Pa — TR8-1480
Mass	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
Mich	Frank Augustin	104 S. Ironwood Dr, S. Bend, Ind — CE3-5847
Minn	Geo M Zyvoloski	2470 N. 51st St, Milwaukee 10, Wisc — HI5-0060
Miss	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Mo	S W Ball	521 W. 85th Terr, Kansas City, Mo — EM1-1756
Mont	W W Wheat & Son	2219-4th Ave, Seattle, Wash — MA4-6222
Neb	S W Ball	521 W. 85th Terr, Kansas City, Mo — EM1-1756
Nev	Shefler-Kahn Co	240 S. 1st Ave, Phoenix, Ariz — AL8-7893
NH	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
NJ	David Orkin	7500 Sherwood Rd, Philadelphia, Pa — TR8-1480
NM	Shefler-Kahn	240 S. 1st Ave, Phoenix, Ariz — AL8-7893
NY	Todd Kearns	96 Homstead Ave, Scarsdale, NY — SC3-9052
NC	Bob Evensen	3424 Spring Circle, Decatur, Ga — BU9-0742
ND	Geo M Zyvoloski	2470 N. 51 St, Milwaukee, Wisc — HI5-0060
Ohio	Tom Pipes	11432 Pearl Rd, Strongsville 36, Ohio — CE8-6475
Okla	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Ore	W W Wheat & Son	2219-4th Ave, Seattle, Wash — MA4-6222
Pa	Todd Kearns	96 Holmstead Ave, Scarsdale, NY — SC3-9052
RI	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
SC	Bob Evensen	3424 Spring Circle, Decatur, Ga — BU9-0742
SD	Geo M Zyvoloski	2470 N. 51 St, Milwaukee, Wisc — HI5-0060
Tenn	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Tex	E Harold Maynard Jr	2410 Harry Hines Blvd, Dallas, Tex — RI2-2027
Utah	Shefler-Kahn	240 S. 1st Ave, Phoenix, Ariz — AL8-7893
Vt	Tim Coakley	148 Needham St, Newton Hghlnds, Mass — DE2-4800
Va	Dave Orkin	7500 Sherwood Rd, Philadelphia, Pa — TR8-1480
Wash	W W Wheat & Son	2219-4th Ave, Seattle, Wash — MA4-6222
W. Va	Tom Pipes	11432 Pearl Rd, Strongville, Ohio — CE8-6475
Wisc	Geo M Zyvoloski	2470 N. 51 St, Milwaukee, Wisc — HI5-0060
Wyo	Shefler-Kahn	240 S. 1st Ave, Phoenix, Ariz — AL8-7893
Foreign	Nevert, Wilton & Associates Inc	32 W. Randolph St, Chicago, Ill — CE6-0883
	WEBSTER ELECTRIC CO	**1900 Clark St, Racine, Wisc — ME3-3511**
Cal	O Perry Yelton	2146-32nd Ave, San Francisco, Cal — MO4-6813
Cal	Moulthrop & Huster	165 11th St, San Francisco, Cal — UN3-7880
Cal	Simonite-Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal — TR7-1674
Colo	Hyde Elctronics Co	888 S. Lipan St, Denver, Colo — WE6-3456
Ga	H R Dewies Co	654 Hemphill Ave, N.W., Atlanta, Ga — TR5-2753
Ill	Haskell Associates	202 N. Marion, Oak Park, Ill — EU6-5741
Ill	Wm Nagel & Associates	35 E. Wacker Dr, Chicago, Ill — DE2-7233
Ind	Joe Clancy & Co., Inc	Box 269, Wilder Rd, Ind — AN793
Ky	R A Hodder	2217 Eastern Ave, Covington, Ky — AX1-2511
La	C E Corrigan Jr	1210 St. Charles Ave, New Orleans, La — JA5-5644
Mass	Warren R Lalkack	1369 Main St, Reading, Mass — RE2-4177
Mo	Kay Sales Co	2600 Grand Ave, Kansas City, Mo — BA1-3800
Mo	Norman W Kathrinus	4356 Duncan Ave, St. Louis, Mo — OL2-7005
NM	Hyde Electronics Co	5206 Constitution , N.E., Albuquerque — AM8-1111
NY	Mingins Sales Co	65 Shoreview Rd, Manhasset, NY — BO3-1643
NY	James C Schnitter	109 Easton Ave, Buffalo, NY — HU6551
NY	D Y Robinson	295 Madison Ave, New York, NY — MU3-4797
Pa	Martin Friedman & Associates	7 Heather Rd, Bala-Cynwyd, Pa — TR7-3450
Pa	Hy Mates	5510 Hobart St, Pittsburgh, Pa — HA1-8988
Pa	Sam J Shaw	7308 Church Ave, Pittsburgh, Pa — PO6-8000
Tex	J Y Schoonaker Co	5328 Redfield, Dallas, Tex — LA6-7238
Tex	W R Retzloff Co	Box 1786, San Antonio, Tex — LE3-7839
Utah	Hyde Electronics Co	2803 Connor St, Salt Lake City, Utah — IN7-5763
Canada	Cross Canada Electronics	67 Ontario St, S., Kitchener, Ontario, Can — SH5-6611
	WEBSTER MFG CO	**317 Roebling Rd, S. San Francisco, Cal — JU9-0126**
	WECKESSER CO	**5701 Northwest Hwy, Chicago 46, Ill — RO3-6688**
	WEIGHING & CONTROL COMPONENTS INC	**Indl Pk, E. County Line Rd,Hatboro, Pa — OS5-0901**
Cal	Luscombe Engineering Co	1129 S. Fair Oaks Ave, Pasadena, Cal — SY9-0445
Cal	Luscombe Engineering Co	130 N. B St, San Mateo, Cal — DI2-7057
Cal	Luscombe Engineering Co	3150 E. Cajon Blvd, San Diego, Cal
Ga	Ward K Stallings Co	3120 Maple Dr, N.E., Atlanta 5, Ga — CE7-0600
Ill	Instrument Associates	7943 S. Exchange Ave, Chicago, Ill — ES5-2702
Mo	Ultmer Equipment Co	219 Orrick Ln, St. Louis 22, Mo — YO5-4653
NY	Yocum & Goode Inc	420 Lexington Ave, New York 17, NY — MU5-8230
NY	J L Moore Co	325 Mill St, Williamsville 21, NY — SP8480
Ohio	G C Outterson Co	15104 Detroit Ave, Cleveland, Ohio — AC1-8666
Pa	Flow Engineering Inc	8 E. Mill Rd, Flourtown, Pa — CH8-1355
Pa	M S Jacobs & Associates Inc	810 Noblestown Rd, Pittsburgh 5, Pa — WA1-6140
Tex	Whelan-May	1701 Brun St, Houston 19, Tex — JA6-3697
Va	Frederic J Weiss Co	1505 Hillyard Rd, Richmond 28, Va — CO6-1984
Wash	Temco Co	1331 Third Ave, Seattle, Wash
Canada	Assoc Instrumentation & Controls	2655 Bates Rd, Montreal, Quebec, Canada — RE8-1167
Foreign	Daniel Rosenman	Durango 104-601, Mexico 7, D F Mexico
	WEIL & CO., J H	**1334 Cherry St, Philadelphia 7, Pa — LO7-4900**
NJ	Standard Blueprinting Co	380 Main St, E. Orange, NJ — OR3-0794
Pa	Delaware Valley Reproduction Co., Inc	1713 York Rd, Abington, Pa — OL9-5678
	WEINSCHEL ENGRG CO., INC	**10503 Metropolitan Ave, Kensington, Md — LO4-0121**
Ala	Bivins & Caldwell Inc	Huntsville, Ala — JE2-5733
Ariz	Gene French Co	224 S. Hinton Ave, Scottsdale, Ariz — WH6-3504
Ark	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex — TA4-3800
Cal	John Francis O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal — TR7-0173
Cal	John Francis O'Halloran & Associates	825 San Antonio, Palo Alto, Cal — DA6-1493
Cal	John Francis O'Halloran & Associates	San Diego, Cal — ZE7745
Colo	Lahana & Co	1886 S. Broadway, Denver, Colo — PE3-3791
Conn	George Gregory Associates	P.O. Box 243, Cheshire, Conn — AT8-2900
Del	Hormon Associates	3006 W. Cold Spring Ln, Baltimore, Md — MO4-8345
DC	Hormon Associates	941 Rollins Ave, Rockville, Md — HA7-7560
Fla	Bivins & Caldwell Inc	723 W. Smith Ave, Orlando, Fla — CH1-1091
Ga	Bivins & Caldwell Inc	3133 Maple Dr, N.E., Atlanta, Ga — CE3-7522
Ill	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill — OR5-6700
Ind	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill — OR5-6700
Iowa	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill — OR5-6700
Kan	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo — PA5-5219
Ky	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC — HI2-6873
La	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex — TA4-3800
Me	George Gregory Associates	99 Elm St, W. Newton, Mass — BI4-4832
Md	Hormon Associates	3006 W. Cold Spring Ln, Baltimore, Md — MO4-8345
Mass	George Gregory Associates	99 Elm St, W. Newton, Mass — BI4-4832
Mich	Weinschel Engineering	Detroit & Ann Arbor, Mich — EN7886
Minn	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill — OR5-6700
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis, Mo — PA5-5219
Mont	Lahana & Co	1886 S. Broadway, Denver, Colo — PE3-3791
Nev	John Francis O'Halloran & Associates	11636 Ventura Blvd, N. Hollywood, Cal — TR7-0173
NH	George Gregory Associates	99 Elm St, W. Newton, Mass — BI4-4832
NJ	G Curtis Engel & Associates Inc	210 S. Broad St, Ridgewood, NJ — GI4-1400
NM	Gene French Co	7900 Zuni Rd, S.E., Albuquerque, NM — AM8-2478
NY	J D Ryerson Associates	P.O. Box 1400, Syracuse, NY — GI6-1771
NY	G Curtis Engel & Associates	P.O. Box 164, Huntington Sta, NY — HA3-7677
NC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC — HI2-6873
Ohio	Weinschel Engineering	Akron Cleveland Columbus, Ohio — EN0122
Ohio	Weinschel Engineering	Cincinnati, Ohio — EN4-0122
Okla	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex — TA4-3800
Ore	J K Dooley Co	3215 Western Ave, Seattle, Wash — AT4-8313
Pa	G Curtis Engel & Associates Inc	Philadelphia, Pa — WA2-3270
Pa	Weinschel Engineering	Pittsburgh, Pa — ZE0122
RI	George Gregory Associates	99 Elm St, W. Newton, Mass — BI4-4832
SC	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC — HI2-6873
Tenn	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC — HI2-6873
Tex	Airep Engineering Co	P.O. Box 9555, Dallas 14, Tex — TA4-3800
Utah	Lahana & Co	1482 Major St, Salt Lake City 15, Utah — HU6-8166
Vt	George Gregory Associates	99 Elm St, W. Newton, Mass — BI4-4832
Va	Bivins & Caldwell Inc	P.O. Box 6514, Richmond, Va — EL5-7931
Wash	J K Dooley Co	3215 Western Ave, Seattle, Wash — AT4-8313
W. Va	Bivins & Caldwell Inc	1923 N. Main St, High Point, NC — HI2-6873
Wisc	Cozzens & Cudahy Inc	125 Old Orchard Arcade, Skokie, Ill — OR5-6700
Wyo	Lahana & Co	1886 S. Broadway, Denver, Colo — PE3-3791
Foreign	B & K Laboratories Ltd	4 Tilney St, London, England — GR4567
Foreign	Erik Ferner	Snormakarvagen 35, Bromma, Sweden — 25 28 70
Canada	Allan Crawford Associates	Box 214, Willowdale, Ontario, Canada — BA5-7391
Foreign	Walter Blum	Schanzeneggstr 1, Zurich, Switzerland — 27 13 64
	WELCH MFG CO., INC., A W	**599 E. 29 St, Indianapolis, Ind — WA5-7878**
Ill	Gene F Sales Co	5306 W. Lawrence, Chicago 30, Ill
Ind	Jim Hutchison Associates	220 Williams Dr, Indianapolis 20, Ind — CL1-0308
Ohio	Chas Kieffer	Cincinnati, Ohio
	WELCH SCIENTIFIC CO., W M	**1515 Sedgwick St, Chicago 10, Ill — MI2-2000**
	WELDMATIC DIV UNITEK CORP	**950 Royal Oaks Dr, Monrovia, Cal — EL9-8361**
Ala	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Ark	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex — LA6-7861
Colo	Raymond E Vinson Co	3600 S. Lincoln, Englewood, Colo — SU9-2851
Conn	Technical Instruments Inc	115 Main St, Bridgeport, Conn — FO8-4582
Del	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va — TE6-1800
DC	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va — TE6-1800
Fla	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Ga	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Idaho	Stanley Enterprises	127 River St, Seattle 8, Wash — PA3-3320
Ill	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill — OR6-1101
Ind	Hugh Marsland & Co	6730 E. 19th St, Indianapolis 19, Ind — ME8-2253
Iowa	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn — LI5-4481
Ky	W A Brown & Associates	201 Capron Rd, Indian River City, Fla — AM7-0411
La	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex — LA6-7861
Me	Technical Instruments Inc	90 Main St, Reading, Mass — RE2-3930
Md	W A Brown & Associates	3610 Mt. Vernon Ave, Alexandria, Va — TE6-1800
Mass	Technical Instruments Inc	90 Main St, Reading, Mass — RE2-3930
Mich	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill — OR6-1100
Mich	M P Odell Co	10531 W. McNichols Rd, Detroit 21, Mich — UN2-1573
Minn	Hugh Marsland & Co	231 N. Edgewood Ave, Minneapolis, Minn — LI5-4481
Miss	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Mo	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill — OR6-1100
Mont	Stanley Enterprises	127 River St, Seattle 8, Wash — PA3-3320
Nev	Gerald B Miller Co	1550 N. Highland Ave, Hollywood, Cal — HO2-1195
NH	Technical Instruments Inc	90 Main St, Reading, Mass — RE2-3930
NJ	Louis A Garten & Associates	645 Eagle Rock, West Orange, NJ — RE1-1800
NM	Vinson Associates	3600 S. Lincoln, Englewood, Colo — SU9-2851
NY	Louis A Garten & Associates	645 Eagle Rock Ave, West Orange, NJ — BO9-4339
NY	Technical Instruments Inc	229 Sunflower Dr, Liverpool, NY — GR1-7870
NC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Ohio	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio — TR1-8000
Okla	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex — LA6-7861
Ore	Stanley Enterprises	127 River St, Seattle 8, Wash — PA3-3320
Pa	M P Odell Co	26614 Center Ridge Rd, Westlake, Ohio — TR1-8000
Pa	Louis A Garten & Associates	730 Washington Ln, Jenkintown, Pa — WA7-1200
RI	Technical Instruments Inc	90 Main St, Reading, Mass — RE2-3930
SC	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Tenn	W A Brown & Associates Inc	201 Capron Rd, Indian River City, Fla — AM7-0411
Tex	Norvell Associates	3603 Lemmon Ave, Dallas 19, Tex — LA6-7861
Utah	Vinson Associates	3600 S. Lincoln, Englewood, Colo — SU9-2851
Vt	Technical Instruments Inc	90 Main St, Reading, Mass — RE2-3930
Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va — TE6-1800
Wash	Stanley Enterprises	127 River St, Seattle, Wash — PA3-3320
W. Va	W A Brown & Associates Inc	3610 Mt. Vernon Ave, Alexandria, Va — TE6-1800
Wisc	Hugh Marsland & Co	6699 Lincoln Ave, Chicago 45, Ill — OR6-1100
Wyo	Vinson Associates	3600 S. Lincoln, Englewood, Colo — SU9-2851
	WELLER ELECTRIC CORP	**Box 345, Easton, Pa — BL3-3521**
Cal	Sirtai-Johnson Inc	845 Jessie St, San Francisco 3, Cal
Cal	Henry Feldman Co	1244 S. Grand Ave, Los Angeles 15, Cal
Colo	W H Connors Co	375 Birch St, Denver, Colo

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Ga	Hollingsworth & Still	508 Whitehead Bldg, Atlanta 3, Ga	
Ill	Bruce Cumming & Associates	6029 W. Belmont Ave, Chicago 34, Ill	
Ind	Macnabb Schroeder & Loomis	820 E. 64th St, Indianapolis 20, Ind	
Kan	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	
Mass	Abbett & Hustis	1245 Highland Ave, Needham 92, Mass	
Mich	ABM Sales Co	10116 Puritan Ave, Detroit 38, Mich	
Minn	Mel Foster	2402 Hennepin Ave, Minneapolis 5, Minn	
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 8, Mo	
Mo	Norman W Kathrinus & Co	4356 Duncan Ave, St. Louis 10, Mo	
NJ	Art Cerf & Co	744 Broad St, Newark 2, NJ	
Ohio	Weller-Rahe Co	P. O. Box 212, Worthington, Ohio	
Tex	George E Anderson Co	1901 Griffin St, Dallas 2, Tex	
Wash	Northwestern Agencies Inc	4130 First Ave, S., Seattle 4, Wash	
	WELLINGTON ELECTRONICS	**65 Honeck St, Englewood, NJ**	**LO7-2620**
	WELLS CO., INC., GARY	**361 Rockaway Ave, Valley Stream, NY**	**LO1-2914**
Cal	R H Mathews & Associates	241 S. Labrea, Inglewood, Cal	OR4-2134
Ill	Rene Bluzat Co	6322 N. Milwaukee Ave, Chicago 46, Ill	SP4-1500
Pa	George Shelps	1625 Spruce St, Philadelphia 3, Pa	KI6-1066
	WELLS-GARDNER & CO.	**2701 N. Kildare Ave, Chicago 39, Ill**	**AL3-8220**
	WELLS INDUSTRIES CORP	**6880 Troost Ave, N. Hollywood, Cal**	**TR7-3353**
Cal	M A Stolaroff Co	4622 W. Slauson Ave, Los Angeles, Cal	AX3-6226
DC	James M Tompkins	Washington Bldg, Washington 25, DC	ST3-1248
Md	Arobone & Cline	2321 S. Hampton Dr, Silver Spur, Md	HE4-4817
Minn	Huttgren & Stratzel Co	2395 University, St. Paul 14, Minn	MI5-8121
NJ	M E Maxwell Inc	45 N. Broad St, Ridgewood, NJ	GI5-7171
NY	Paul A Aaron	Professional Bldg, Port Washington, NY	PO7-8480
Ohio	Scarp Engineering Sales Co	Box 2003, Kettering Branch, Dayton 29	TU5-2661
Pa	Stemler Associates & Co	511 N. Charles St, Baltimore, Md	PL2-3211
Pa	Arobone & Cline	33rd & Arch St, Philadelphia 4, Pa	EV2-6520
Tex	Kencar Co	P.O. Box 6784, Ft. Worth, Tex	WA3-4476
Tex	Packard & Associates	Love Field Air Terminal, Dallas 35, Tex	FL7-5713
Wash	Technical Sales Co	1731 1st Ave, S., Seattle, Wash	SE5532
Wash	Don Smith Sales Co	2320 N. 45 St, Seattle, Wash	ME3-3160
	WELSH CO., INC., Wm H	**2241 S. Indiana Ave, Chicago, Ill**	**CA5-5454**
	WELTRONIC CO	**19500 W. Eight Mile Rd, Southfield, Mich**	**KE2-2900**
Cal	Don Morgan	7870 S. Western Ave, Los Angeles, Cal	PL8-1520
Ill	L Vromen	1134 W. 69th St, Chicago, Ill	HU3-9465
Mo	Joe Hester	1015 Manor Ct, Kirkwood 22, Mo	YO6-8636
NY	Glenn Heck	2088 Berg Rd, Buffalo, NY	FA2020
Ohio	Harold Feldhouse	2903 Merriweather, Warren, Ohio	EX9-3135
Ohio	Will Kahkola	89 Waller, Vandalia, Ohio	TW8-4771
Pa	Tom Edwards	10157 Ferndale St, Phila 16, Pa	HO4-3322
Canada	William Tregaskiss	3244 Curry Ave, Windsor, Ontario, Canada	YO9-0387
	WELTYN INTERNATIONAL INC	**3355 Edgecliff Terr, Cleveland 11, Ohio**	
	WEN PRODUCTS INC	**5800 North West Hwy, Chicago 31, Ill**	**RO3-6660**
	WENCO MFG CO (SIMPLEX)	**1133 W. Hubbard St, Chicago 22, Ill**	**CH3-3535**
Cal	R C Dudek & Co	407 N. Maple Dr, Beverly Hills, Cal	BR2-8097
NY	J Ramsen Reese Inc	71 Murray St, New York 7, NY	WO2-4059
	WESCO ELECTRICAL CO., INC	**27 Olive St, Greenfield, Mass**	**PR4-4358**
Ariz	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Ark	Pachard Associates	Love Field Air Term Bldg, Dallas, Tex	FL7-5713
Cal	C B Rush Associates	3757 Wilshire Blvd, Los Angeles 5, Cal	DU8-7585
Conn	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
Del	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
DC	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Hawaii	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Me	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
Md	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Mass	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
Mo	Gordon Fixman Engineering Co	8160 Stanford Ave, St. Louis 30, Mo	PA5-5219
NH	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
NJ	Reed & Riddett	190 Rivervale Rd, Rivervale, NJ	NO4-6250
NM	C B Rush	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
NY	Reed & Riddett	1106 Jericho Tmpk, New Hyde Park, NY	FL4-6719
Ore	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
Pa	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
RI	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
Tex	Packard Associates	Love Field Air Term Bldg, Dallas, Tex	FL7-5713
Vt	P J Engineering Sales	Box 212, Watertown, Mass	WA4-5950
Va	Mechelec Sales Co	81 Union St, Medford, NJ	OL4-8209
Wash	C B Rush Associates	3757 Wilshire Blvd, Los Angeles, Cal	DU8-7585
W. Va	Mechelec Sales	81 Union St, Medford, NJ	OL4-8209
	WESTAMP INC	**11277 Mass Ave, Los Angeles 25, Cal**	**GR8-8894**
Cal	Enright Engineering Co	302 W. Arbor Vita St, Inglewood, Cal	OR3-0206
	WESTBERG MFG CO	**144 S. Coombs St, Napa, Cal**	**BA6-5218**
Cal	Joseph Kohout	10555 E. Olive St, Temple City, Cal	GI8-0956
NJ	John Hoehn	76 Sherman Pl, Irvington, NJ	ES3-3041
Colo	N G Herron	4200 Kendall, Wheatridge, Colo	HA4-7265
	WEST COAST ELECTRICAL MFG CORP	**233 W. 116th Pl, Los Angeles 61, Cal**	**PL5-1138**
	WEST COAST RESEARCH CORP	**2102 S. Sepulveda Blvd, Los Angeles, Cal**	**GR8-8833**
	WEST INSTRUMENT CORP	**4363 W. Montrose, Chicago 41, Ill**	**AV6-1007**
Ala	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Ala	Electron Equipment Co., Inc	2418 Calhoun St, New Orleans 18, La	UN1-4485
Ariz	Landes, Zachary & Peterson Co	1609 2nd St, N.W., Albuquerque, NM	2-7761
Ark	Jack M Gilbert Co	131 E. 70th St, Kansas City 13, Mo	DE3-8830
Cal	Instrument Laboratory	1836 W. Florence Ave, L A 47, Cal	PL2-4104
Cal	Control Engineers	Box 426, Oakland 4, Cal	JE7-3783
Colo	Landes, Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Conn	Gibson Engineering Co	141 Washington St, Hartford 6, Conn	CH7-8919
Del	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Del	Gamble Brothers	571 Fairview St, Riverside, NJ	HO1-4068
DC	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Fla	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Ga	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Idaho	Landes, Zachary & Peterson Co	2501 S. State St, Salt Lake City 15, Utah	HU7-7873
Idaho	Branom & Leeland Instrument Co	2137 2nd Ave, Seattle 1, Wash	MA2-7320
Ill	Warner Instrument & Sales Co	6548 W. Higgins Ave, Chicago 31, Ill	NE1-6778
Ill	Ray Welch Co	6336 Columbia Ave, Hammond, Ind	WE2-4474
Ill	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
Ill	Edward W Mooney	6653 Enright, St. Louis 30, Mo	PA5-4271
Ind	Ray Welch Co	6336 Columbia Ave, Hammond, Ind	WE2-4474
Ind	Engineering Specialties	8115 Camargo Rd, Cincinnati, Ohio	LO1-6803
Iowa	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
Kan	Jack M Gilbert Co	131 E. 70th St, Kansas City 13, Mo	DE3-8830
Ky	Engineering Specialties	8115 Camargo Rd, Cincinnati 43, Ohio	LO1-6803
La	Electron Equipment Co., Inc	2418 Calhoun St, New Orleans 18, La	UN1-4485
La	Esch & Associates Inc	108 Portwood, Houston 11, Tex	WA8-3357
Me	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
Md	S S Lee Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Md	Gamble Brothers	571 Fairview St, Riverside, NJ	HO1-4068
Md	Earl E Whitaker & Son	822 Wood St, Pittsburgh, Pa	FR1-6220
Mass	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
Mich	Industrial Temperature Control Co	2210 N. York St, Dearborn, Mich	CR8-2210
Mich	Smith Instrument & Equipment Co., Inc	900 N. Monroe St, Grand Rapids 2, Mich	GL8-4682
Minn	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Miss	Craig Industrial Equipment Co	Box 5776, 1101 Poplar, Memphis 4, Tenn	BR5-5777
Miss	Electron Equipment Co., Inc	2418 Calhoun St, New Orleans 18, La	UN1-4485
Mo	Edward W Mooney	6653 Enright, St. Louis, Mo	PA5-4271
Mo	Jack M Gilbert Co	131 E. 70th St, Kansas City 13, Mo	DE3-8830
Mont	Landes, Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Neb	Jack M Gilbert Co	131 E. 70th St, Kansas City 13, Mo	DE3-8830
Neb	Landes, Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Nev	Landes, Zachary & Peterson Co	2501 S. State St, Salt Lake City 15, Utah	HU7-7873
NH	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
NJ	Norman Bragar Co., Inc	1060 Broad St, Newark 2, NJ	MA3-6554
NJ	Gamble Brothers	571 Fairview St, Riverside, NJ	HO1-4068
NM	Landes, Zachary & Peterson Co	1609 2nd St, N.W., Albuquerque, NM	2-7761
NM	Landes, Zachary & Peterson Co	1900 Mills St, El Paso, Tex	3-9060
NY	Norman Bragar Co., Inc	1060 Broad St, Newark 2, NJ	BO9-8845
NY	Niagara Electric Sales Co	505 Delaware Ave, Buffalo 2, NY	SU4000
NY	Niagara Electric Sales Co	133 S. Clinton St, Rochester 4, NY	HA6-2070
NC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
Ohio	Instrument Service & Equipment Inc	3519 W. 117th St, Cleveland 11, Ohio	OR1-4102
Ohio	Engineering Specialties	8115 Camargo Rd, Cincinnati 43, Ohio	LO1-6803
Ohio	Earl E Whitaker & Son	822 Wood St, Pittsburgh, Pa	FR1-6220
Okla	Paul King Co	826 N. Fulton St, Tulsa 15, Okla	TE6-2501
Ore	Branom & Leeland Instrument Co	6019 N.E. Union Ave, Portland 11, Ore	BU5-5205
Pa	Gamble Brothers	571 Fairview St, Riverside, NJ	HO1-4068
Pa	Earl E Whitaker & Son	822 Wood St, Pittsburgh, Pa	FR1-6220
RI	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
SC	James L Highsmith & Co	3733 Monroe Rd, Charlotte 5, NC	FR7-2546
SD	Landes, Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
Tenn	Craig Industrial Equipment Co	1101 Poplar, Memphis 4, Tenn	BR5-5777
Tenn	Lewis M Crowe Co	111 Tuxedo Terr, N.W., Atlanta 5, Ga	CE7-9209
Tex	Esch & Associates Inc	108 Portwood, Houston 11, Tex	WA8-3357
Tex	Landes, Zachary & Peterson Co	1900 Mills St, El Paso, Tex	3-9060
Tex	Paul King Co	826 N. Fulton St, Tulsa 15, Okla	TE6-2501
Utah	Landes, Zachary & Peterson Co	2501 S. State St, Salt Lake City 15, Utah	HU7-7873
Vt	Gibson Engineering Co	1018 Commonwealth Ave, Boston 15, Mass	AS7-5074
Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wash	Branom & Leeland Instrument Co	2137 2nd Ave, Seattle 1, Wash	MA2-7320
W. Va	Earl E Whitaker & Son	822 Wood St, Pittsburgh, Pa	FR1-6220
W. Va	S S Lee Associates Inc	2521 Ennalls Ave, Wheaton, Md	LO5-3066
Wisc	James H Laas Co	611 Kahl Bldg, Davenport, Iowa	DA3-7014
Wisc	Warner Instrument & Sales Co	2040 W. Wisconsin Ave, Milwaukee 3	WE3-2566
Wisc	Wood Clemons Co	1645 Hennepin Ave, Minneapolis, Minn	FE9-0707
Wyo	Landes, Zachary & Peterson Co	601 S. Jason St, Denver 23, Colo	SH4-1311
	WEST VIRGINIA PULP & PAPER CO	**230 Park Ave, New York 17, NY**	**MU6-8400**
Ill	West Virginia Pulp & Paper Co	35 E. Wacker Dr, Chicago 1, Ill	FR2-7620
	WESTERN APPARATUS CO DIV COMPTOMETER CORP	**5600 Jarvis Ave, Chicago 48, Ill**	**SP5-2400**
Cal	Comptometer Corp	46 Kearny St, San Francisco 8, Cal	
NY	Comptometer Corp	53 Park Pl, New York 7, NY	
Pa	Comptometer Corp	355 Fifth Ave, Pittsburgh 22, Pa	
	WESTERN COIL & ELECTRICAL CO	**215 Steve St, Racine, Wisc**	**ME2-4741**
	WESTERN DESIGN DIV US INDUSTRIES INC	**Goleta, Cal**	**WO7-4571**
Cal	Western Design Div	1009 E. Avodado Crest Rd, La Habra, Cal	ON1-1413
Cal	Western Design Div	6128 McKnight, Long Beach, Cal	
DC	US Industries Inc	1612 K St, Washington 6, DC	
Ga	Western Design	3230 Peachtree Rd, N.E., Atlanta 5, Ga	CE3-2837
NY	Western Design	140 Telhan Rd, New Rochelle, NY	
Wash	T R Battema	10203 Main St, Bellevue, Wash	GL4-1616
	WESTERN DEVICES INC	**600 W. Florence Ave, Inglewood, Cal**	**OR8-7827**
Ill	R M Krueger Co	5306 W. Lawrence Ave, Chicago 30, Ill	
Ind	Chassis Trak Inc	525 S. Webester, Indianapolis 19, Ind	
Mass	Abbett & Hustis	P. O. Box 293, Needham, Mass	
NJ	R L Ringer Co	14 Glen Ave, Glen Rock, NJ	
Tex	Aronald Barnes Co	3603 Lemon Ave, Dallas 19, Tex	
Wash	Remco Engineering	321 E. 45th St, Seattle, Wash	
	WESTERN ELECTRO-ACOUSTIC LAB	**11787 San Vicente Blvd, Los Angeles, Cal**	
	WESTERN ELECTRONIC PRODUCTS CO	**2420 N. Lake Ave, Altadena, Cal**	**SY4-6379**
Fla	Moore Industrial Tooling Co	1110 W. Pine St, Orlando, Fla	CH1-4541
Ohio	Roger E Schlemmer	8442 Curzon Ave, Cincinnati 16, Ohio	PO1-2916
Wash	Fred Haight Co	3212 E. Lake Ave, Seattle 2, Wash	
	WESTERN FELT WORKS	**4029 Ogden Ave, Chicago, Ill**	**CR7-8000**
Cal	Geo B Tewes Co	1634 E. 23rd, Los Angeles 11, Cal	AD3-7219
Fla	Western Felt Works	2413 S.W. 34th Ave, Ft. Lauderdale,	LU3-6831
Ind	Western Felt Works	2212 S. Calhoun St, Ft. Wayne, Ind	KE0113
Ky	Western Felt Works	Wallace Center, Louisville 7, Ky	TW5-6545
Mass	Western Felt Works	16-A Eaton Sq, Needham, Mass	HI4-3431
Mich	Western Felt Works	25405-7 Grand River Ave, Detroit, Mich	KE5-8930
Minn	Western Felt Works	3424 E. Lake St, Minneapolis, Minn	PA1-4465
Mo	Western Felt Works	1023 S. Big Bend Blvd, St. Louis 17	CE1-1767
NY	Western Felt Works	42-48 E. 20 St, New York 3, NY	AL4-3800
NY	Western Felt Works	237 Pool St, Rochester, NY	BE5-2127
Ohio	Western Felt Works	1991 Lee Rd, Cleveland 18, Ohio	YE2-2033
Tex	Jack Richardson	5531 Lobello Dr, Dallas, Tex	EM8-5655
Wash	Associated Industries	1752 Ranier Ave, Seattle 44, Wash	MI4400
Wisc	Western Felt Works	161 W. Wisconsin Ave, Milwaukee 3, Wisc	BR6-1828
	WESTERN GEAR CORP ELECTRO PRODUCTS DIV	**132 W. Colorado, Pasadena 1, Cal**	**MU1-6604**
Ark	Southern Industrial Electronics Inc	Box 9814, Dallas, Tex	FL2-3901
Cal	C R Dalton Associates	1037 Laurel St, San Carlos, Cal	LY1-2654
Conn	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
Del	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
DC	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Ill	Gilbert Engineering Co	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Ind	Gilbert Engineering Co	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Iowa	Gilbert Engineering Co	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
Kan	Thunderbird Eng Sales & Services	6405 E. Kellogg, Wichita, Kan	MU4-3941
La	Southern Indl Electronics Inc	Box 9814, Dallas, Tex	FL2-3901
Me	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
Md	L G White Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
Minn	Geo C May Co	3651 Cedar Ave, S., Minneapolis, Minn	PA9-9347
Mo	Thunderbird Eng Sales & Services	2826 Main St, Kansas City, Mo	WE1-9779
Nev	C R Dalton Associates	1037 Laurel St, San Carlos, Nev	LY1-2654
NH	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
NJ	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
NY	E R A Inc	340 Great Neck Rd, Great Neck, NY	HU2-9320
NY	Wall Associates	Box 26, Boston, NY	XH1-3162
NC	L G White Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Ohio	Components Eng Co	7461 N. Linden Ln, Cleveland 30, Ohio	VI2-2737
Okla	T J Ray Co	Box 5417, Tulsa, Okla	WE6-7707
Pa	Victor S Malta	Box 4007, Philadelphia, Pa	VE6-5122
Pa	Components Eng Co	7461 N. Linden Ln, Cleveland, Ohio	VI2-2737
RI	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
Tex	Southern Indl Electronics Inc	Box 9814, Dallas, Tex	FL2-3901
Vt	Zaslow Sales Co	108 Foxcroft Rd, W. Hartford, Conn	
Va	L G White Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Wisc	Gilbert Engineering Co	2842 N. Sheridan Rd, Chicago, Ill	BU1-2112
	WESTERN GOLD & PLATINUM CO SUB WILBUR B DRIVER CO	**525 Harbor Blvd, Belmont, Cal**	**LY3-3121**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTERN INSULATED WIRE CO	**2425 E. 30 St, Los Angeles 58, Cal**	**LU7-7103**
Cal	The Curry Co	305 King St, San Francisco, Cal	YU2-0788
Conn	Fred Ives	Newton Ave, Norwalk, Conn	
Fla	Robert W Torbron	18125 N.W. 17th Ave, Opa Locka, Fla	NA1-7759
Fla	John R Collins & Associates	Box 26, Tampa 1, Fla	RE7-3163
Ga	Frank B Davis	708 Spring St, N.W., Atlanta, Ga	TR5-2278
Hawaii	Alfred E Linzer Co	1507 Kapiolani Blvd, Honolulu 14, Hawaii	912-291
Ill	Electrical Sales Co	2525 W. Armitage Ave, Chicago 12, Ill	SP2-4400
Ind	Larry A Mooney	4640 Anita Dr, Indianapolis, Ind	ST6-8798
Ky	Fultz & Co	2621 Valletta Rd, Louisville 5, Ky	GL2-2996
La	DuPont Wachter Co	609 Tchoupitoulas, New Orleans, La	JA5-1744
Mass	D & F Sales Co., Inc	755 Boylston St, Boston 16, Mass	KE6-2042
Mich	J J Miner Co	12326 Hamilton, Detroit, Mich	TO5-6313
Minn	Robert D Little Co	2116 Lyndale Ave, S., Minneapolis, Minn	FR4-5400
Mo	Curt H Conrad Co	1665 Jarboe St, Kansas City 41, Mo	BA1-3990
NJ	Brazill Bros	11-13 McKinley Ave, Linden, NJ	WA5-0800
NM	John Carder Jr Co	1624 1st St, N.W., Albuquerque, NM	CH2-3581
NY	Brazill Bros	11 McKinley St, Linden, NJ	
NY	E J Haines & Son	332 Erie Blvd, W., Syracuse 1, NY	GR4-8508
NC	G M Hogshead Co	201 W. Worthington, Dilw, Charlotte 3, NC	FR5-5924
Ohio	Theodore W Gage & Co	20475 Farnsleigh Rd, Cleveland, Ohio	SK2-4477
Ohio	Robert L Scheels	101 N. High St, Columbus 15, Ohio	CA6-3909
Ore	George M Roth	1504 N.W. Johnson, Portland 9, Ore	CA7-5654
Pa	William C Welde & Sons	120 N. 32nd St, Philadelphia 4, Pa	EV5-0925
Pa	Edward A Damrau Co	7726 Edgewood Ave, Pittsburgh, Pa	EL1-1977
Tenn	Ross D Thomas Co	198 S. Main St, Memphis, Tenn	JA7-2492
Tex	Jack Morgan Co., Inc	1013 Slocum St, Dallas 7, Tex	RI2-8371
Tex	J O Bell Jr	3110 Eastside St, Houston 27, Tex	JA2-4361
Utah	T R VanWagoner	1415 S. Main St, Salt Lake City, Utah	IN6-2461
Wash	J H Stumph Co	1000 4th Ave, S., Seattle 4, Wash	MU2-5232
W. Va	Leo A Roach	5010 New Kent Rd, Richmond 25, Va	EL8-0023
Wisc	Martin & Gaertner	113 W. Mission Rd, Green Bay, Wisc	HE5-9886
Wisc	Martin & Gaertner Sales Inc	1108 N. 3rd St, Milwaukee 2, Wisc	BR1-6500

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTLINE PRODUCTS DIV WESTERN LITHOGRAPH CO	**600 E. 2nd St, Los Angeles 54, Cal**	**MA7-2641**
Ariz	Verne Linsley Co	2902 W. Villa St, Phoenix, Ariz	
Ga	Lynn Walking Organization	P.O.Box 3045, Atlanta, Ga	
Ill	Westline Products Div	1957 E. 71st St, Chicago 49, Ill	BU8-8126
Mass	Westline Products Div	419 Boylston St, Boston 16, Mass	KE6-1012
NJ	Westline Products Div	972 Broad St, Newark, NJ	MA4-1410
Ohio	Westline Products Div	1010 Euclid Ave, Cleveland 15, Ohio	PR1-2010
Foreign	Ernst Hess Co	Zurcherstrasse 65, Basil, Switzerland	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTERN RADIATION LAB	**1107 W. 24 St, Los Angeles 7, Cal**	**RI7-8355**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTERN SKY INDUSTRIES	**21301 Cloud Way, Hayward, Cal**	**JE7-1334**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTERN TRANSISTOR CORP	**13021 S. Budlong Ave, Gardena, Cal**	**EA1-5741**
Cal	Featherstone & Salisbury Inc	1355 Market St, San Francisco 3, Cal	UN1-1466
Cal	Meredith Engineering Associates	385 E. Green St, Pasadena, Cal	MU1-9957
Minn	Ray Ripley & Associates	7222 James Ave, S., Minneapolis 23, Minn	UN6-5682
NY	J C J Associates	Box 114, Fleetwood Sta, Mt. Vernon, NY	SP9-6294
Wash	George W Meeker	414 Vance Bldg, Seattle 1, Wash	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTERN UNION TELEGRAPH CO	**60 Hudson St, New York 13, NY**	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTINGHOUSE ELECTRIC CORP	**Box 2278, Pittsburgh 30, Pa**	**EX1-2000**
Ala	Westinghouse Electric Corp	1511 Merch. Natl Bank Bldg., Mobile, Ala	
Ala	Westinghouse Electric Corp	212 Uptown Bldg., Huntsville, Ala	
Ala	Westinghouse Electric Corp	2008 8th Ave S., Birmingham, Ala	
Ariz	Westinghouse Electric Corp	2020 E. 13th St, Tucson, Ariz	
Ariz	Westinghouse Electric Corp	1102 N. 21st Ave, Phoenix, Ariz	
Ark	Westinghouse Electric Corp	103 W. Capital St, Little Rock, Ark	
Cal	Westinghouse Electric Corp	Hendy Ave, Sunnyvale, Cal	
Cal	Westinghouse Electric Corp	410 Bush St, San Francisco, Cal	
Cal	Westinghouse Electric Corp	525 E St, San Diego, Cal	
Cal	Westinghouse Electric Corp	15217 Burbank Blvd, Van Nuys, Cal	
Cal	Westinghouse Electric Corp	1720 14th St, Sacramento, Cal	
Cal	Westinghouse Electric Corp	Box 275, Rialto, Cal	
Cal	Westinghouse Electric Corp	5815 Peladeau St, Emeryville, Cal	
Cal	Westinghouse Electric Corp	600 St Paul Ave, L A 17, Cal	
Cal	Westinghouse Electric Corp	2608 California Ave, Fresno, Cal	
Cal	Westinghouse Electric Corp	6541 Eastern Ave, Bell Gardens, Cal	
Cal	Westinghouse Electric Corp	129 S 1st Ave, Arcadia, Cal	
Cal	Westinghouse Electric Corp	18020 S Santa Fe Ave, Compton, Cal	
Colo	Westinghouse Electric Corp	55 W. 5th Ave, Denver, Colo	
Conn	Westinghouse Electric Corp	119 Ann St, Hartford, Conn	
Conn	Westinghouse Electric Corp	540 Grant St, Bridgeport, Conn	
DC	Westinghouse Electric Corp	1625 K St, N.W., Washington 6, DC	
Fla	Westinghouse Electric Corp	4255 Henderson Blvd, Tampa, Fla	
Fla	Westinghouse Electric Corp	841 Miami Rd, Jacksonville, Fla	
Fla	Westinghouse Electric Corp	532 Ingraham Bldg, Miami, Fla	
Ga	Westinghouse Electric Corp	224 E. Bay St, Savannah, Ga	
Ga	Westinghouse Electric Corp	1299 Northside Dr, N.W., Atlanta, Ga	
Ga	Westinghouse Electric Corp	Box 74, Albany, Ga	
Idaho	Westinghouse Electric Corp	318 S Capitol Blvd, Boise, Idaho	
Ill	Westinghouse Electric Corp	607 E. Adams St, Springfield, Ill	
Ill	Westinghouse Electric Corp	2121 15th St, Rockford, Ill	
Ill	Westinghouse Electric Corp	2800 N.Adams St, Peoria, Ill	
Ill	Westinghouse Electric Corp	901 Main St, Aurora, Ill	
Ill	Westinghouse Electric Corp	Box 3426, Chicago, Ill	
Ill	Westinghouse Electric Corp	2211 W.Pershing Rd, Chicago, Ill	
Ind	Westinghouse Electric Corp	216 E.Wayne St, South Bend, Ind	
Ind	Westinghouse Electric Corp	1253 Diamond Ave, Evansville, Ind	
Ind	Westinghouse Electric Corp	1560 Stadium Dr, Indianapolis, Ind	
Ind	Westinghouse Electric Corp	6355 Indianapolis Blvd, Hammond, Ind	
Ind	Westinghouse Electric Corp	124 W.Washington St, Ft. Wayne, Ind	
Iowa	Westinghouse Electric Corp	1531 W.River St, Davenport, Iowa	
Iowa	Westinghouse E ectric Corp	1005 Dace St, Sioux City, Iowa	
Iowa	Westinghouse Electric Corp	300 W. 3rd St, Waterloo, Iowa	
Iowa	Westinghouse Electric Corp	210 2nd St, Cedar Rapids, Iowa	
Iowa	Westinghouse Electric Corp	2515 Dean Ave, Des Moines, Iowa	
Kan	Westinghouse Electric Corp	2938 S.Minneapolis, Wichita, Kan	
Ky	Westinghouse Electric Corp	332 W.Broadway, Louisville, Ky	
La	Westinghouse Electric Corp	623 Johnson Bldg, Shreveport, La	
La	Westinghouse Electric Corp	400 N.Carrollton, New Orleans, La	
La	Westinghouse Electric Corp	Gayle Bldg, Lake Charles, La	
La	Westinghouse Electric Corp	3875 Fla. Ave, Baton Rouge, La	
Me	Westinghouse Electric Corp	9 Bowman St, Augusta, Me	
Md	Westinghouse Electric Corp	5 Public Sq, Hagerstown, Md	
Md	Westinghouse Electric Corp	2126 Aisquith St, Baltimore, Md	
Md	Westinghouse Electric Corp	501 St. Paul Pl, Baltimore, Md	
Mass	Westinghouse Electric Corp	160 Tapley St, Springfield, Mass	
Mass	Westinghouse Electric Corp	10 High St, Boston, Mass	
Mich	Westinghouse Electric Corp	11 Jefferson-Baum Ct, Saginaw, Mich	
Mich	Westinghouse Electric Corp	5757 Trumbull Ave, Detroit, Mich	
Mich	Westinghouse Electric Corp	120 W.Michigan, Jackson, Mich	
Mich	Westinghouse Electric Corp	148 Monroe Ave N.W., Grand Rapids, Mich	
Mich	Westinghouse Electric Corp	508 Church St, Flint, Mich	
Minn	Westinghouse Electric Corp	330 S.First Ave E, Duluth, Minn	
Minn	Westinghouse Electric Corp	2303 Kennedy N.E., Minneapolis, Minn	
Minn	Westinghouse Electric Corp	101 W.Lincoln Ave, Fergus Falls, Minn	
Miss	Westinghouse Electric Corp	607-8 Electric Bldg, Jackson, Miss	
Miss	Westinghouse Electric Corp	Box 659, Gulfport, Miss	
Mo	Westinghouse Electric Corp	411 N.7th St, St. Louis, Mo	
Mo	Westinghouse Electric Corp	101 W.11th St, Kansas City, Mo	
Mont	Westinghouse Electric Corp	1149 S.Montana St, Butte, Mont	
Neb	Westinghouse Electric Corp	117 N 13th St, Omaha, Neb	
Neb	Westinghouse Electric Corp	414 Fed Securities Bldg, Lincoln, Neb	
NJ	Westinghouse Electric Corp	1180 Raymond Blvd, Newark, NJ	
NM	Westinghouse Electric Corp	610 Gold Ave S.W., Albuquerque, NM	
NY	Westinghouse Electric Corp	4030 New Court Rd, Syracuse, NY	
NY	Westinghouse Electric Corp	32 The Arcade, Watertown, NY	
NY	Westinghouse Electric Corp	5-A Truck Route, Utica, NY	
NY	Westinghouse Electric Corp	711 Exchange St, Rochester, NY	
NY	Westinghouse Electric Corp	201 N.Union St, Olean, NY	
NY	Westinghouse Electric Corp	220 First St, Niagra Falls, NY	
NY	Westinghouse Electric Corp	40 Wall St, New York, NY	
NY	Westinghouse Electric Corp	Box 148, Johnson City, NY	
NY	Westinghouse Electric Corp	Ellicott Sq Bldg, Buffalo, NY	
NY	Westinghouse Electric Corp	Warehouse Row, Albany, NY	
NC	Westinghouse Electric Corp	315 Superior Bldg, Raleigh, NC	
NC	Westinghouse Electric Corp	2909 Roxboro Rd, Durham, NC	
NC	Westinghouse Electric Corp	707 Guilford Bldg, Greensboro, NC	
NC	Westinghouse Electric Corp	Box 8094, Asheville, NC	
NC	Westinghouse Electric Corp	2001 W.Morehead St, Charlotte, NC	
Ohio	Westinghouse Electric Corp	245 Summit St, Toledo, Ohio	
Ohio	Westinghouse Electric Corp	32 N.Main St, Dayton, Ohio	
Ohio	Westinghouse Electric Corp	1452 Cleveland Ave N.W., Canton, Ohio	
Ohio	Westinghouse Electric Corp	1945 W.Market St, Akron, Ohio	
Ohio	Westinghouse Electric Corp	Gynne Bldg, Cincinnati, Ohio	
Ohio	Westinghouse Electric Corp	262 N.4th St, Columbus, Ohio	
Ohio	Westinghouse Electric Corp	55 Public Sq, Cleveland, Ohio	
Okla	Westinghouse Electric Corp	703 Enterprise Bldg, Tulsa, Okla	
Okla	Westinghouse Electric Corp	120 N.Robinson St, Oklahoma City, Okla	
Ore	Westinghouse Electric Corp	1414 N.E. Grand Ave, Portland, Ore	
Ore	Westinghouse Electric Corp	1345 Olive St, Eugene, Ore	
Ore	Westinghouse Electric Corp	1233 Court St, Medford, Ore	
Pa	Westinghouse Electric Corp	460 Market St, Williamsport, Pa	
Pa	Westinghouse Electric Corp	267 N.Pa Ave, Wilkes Barre, Pa	
Pa	Westinghouse Electric Corp	445 Melwood Ave, Pittsburgh, Pa	
Pa	Westinghouse Electric Corp	3001 Walnut St, Philadelphia, Pa	
Pa	Westinghouse Electric Corp	1007 Hess Ave, Erie, Pa	
Pa	Westinghouse Electric Corp	406 Main St, Johnstown, Pa	
Pa	Westinghouse Electric Corp	739 Hamilton St, Allentown, Pa	
RI	Westinghouse E.ectric Corp	51 Empire St, Providence, RI	
SC	Westinghouse Electric Corp	135 S.Main St, Greenville, SC	
SC	Westinghouse Electric Corp	1418 Marion St, Columbia, SC	
SC	Westinghouse Electric Corp	301 Security Fed Bldg, Columbia, SC	
SC	Westinghouse Electric Corp	Box 303, Charleston	
Tenn	Westinghouse Electric Corp	606 Burwell Bldg, Knoxville, Tenn	
Tenn	Westinghouse Electric Corp	145 Commerce St, Kingsport	
Tenn	Westinghouse Electric Corp	1717 West End Bldg, Nashville, Tenn	
Tenn	Westinghouse Electric Corp	825 Exchange Bldg, Memphis, Tenn	
Tenn	Westinghouse Electric Corp	928 Volunteer St, Chattanooga, Tenn	
Tex	Westinghouse Electric Corp	201 N. St. Marys St, San Antonio, Tex	
Tex	Westinghouse Electric Corp	215 N. Stanton St, El Paso, Tex	
Tex	Westinghouse Electric Corp	1608 Canton St, Dallas, Tex	
Tex	Westinghouse Electric Corp	507 Dallas Ave, Houston, Tex	
Tex	Westinghouse Electric Corp	1205 Electric Bldg, Ft. Worth, Tex	
Tex	Westinghouse Electric Corp	1103 American Natl Bank, Beaumont	
Tex	Westinghouse Electric Corp	301 Polk St, Amarillo, Tex	
Tex	Westinghouse Electric Corp	4 & Cypress Sts, Abilene, Tex	
Tex	Westinghouse Electric Corp	205 N. Chaparral, Corpus Christi, Tex	
Utah	Westinghouse Electric Corp	235 W. Temple St, Salt Lake City, Utah	
Va	Westinghouse Electric Corp	4000 W. Broad St, Richmond, Va	
Va	Westinghouse Electric Corp	306 1st S.W., Roanoke, Va	
Va	Westinghouse Electric Corp	915 W. 21st St, Norfolk, Va	
Vt	Westinghouse Electric Corp	98 Merchants Row, Rutland, Vt	
Wash	Westinghouse Electric Corp	N. Monroe St, Spokane, Wash	
Wash	Westinghouse Electric Corp	1416 Olive Way, Seattle, Wash	
Wash	Westinghouse Electric Corp	1325 S. Tacoma Way, Tacoma, Wash	
W. Va	Westinghouse Electric Corp	Natl Bank of W. Va, Wheeling, W. Va	
W. Va	Westinghouse Electric Corp	10 & Beltline, Fairmont, W. Va	
W. Va	Westinghouse Electric Corp	1029 7th Ave, Hungton, W. Va	
W. Va	Westinghouse Electric Corp	704 Bland St, Bluefield, W. Va	
W. Va	Westinghouse Electric Corp	179 Summers St, Charleston, W. Va	
Wisc	Westinghouse Electric Corp	538 N. Broadway, Milwaukee, Wisc	
Wisc	Westinghouse Electric Corp	110 N. Thornton Ave, Madison, Wisc	
Wisc	Westinghouse Electric Corp	1305 N. Division, Appleton, Wisc	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTINGHOUSE ELECTRIC CORP ELECTRONIC TUBE DIV	**P.O.Box 284, Elmira, NY**	**RE9-3611**
Cal	Westinghouse Electric Corp	2222 Grant Ave, San Lorenzo, Cal	EX2-5353
Cal	Westinghouse Electric Corp	600 St. Paul Ave, Los Angeles 17, Cal	MA6-3881
Colo	Westinghouse Electric Corp	710 E. Louisiana Ave, Denver, Colo	PE3-5528
Fla	Westinghouse Electric Corp	940 Lake Elbert Dr, Winterhaven, Fla	CY4-2941
Fla	Westinghouse Electric Corp	4304 Corona St, Tampa 9, Fla	62-4071
Ga	Westinghouse Electric Corp	Box 308, East Point, Ga	PO1-5353
Ill	Westinghouse Electric Corp	2211 W. Pershing Rd, Chicago, Ill	FR6-2346
Kan	Westinghouse Electric Corp	101 W. 11th St, Kansas City 6, Kan	HA1-7122
Md	Westinghouse Electric Corp	Box 111, Silver Spring, Md	
Mass	Westinghouse Electric Corp	10 High St, Boston, Mass	LI2-0600
Mich	Westinghouse Electric Corp	Box 502, Detroit 32, Mich	TR2-7010
Mo	Westinghouse Electric Corp	101 W. 11th St, Kansas City, Mo	HA1-7122
Mo	Westinghouse Electric Corp	411 N. 7th St, St. Louis, Mo	GA1-6911
NJ	Westinghouse Electric Corp	MacArthur Ave, Bloomfield, NJ	HU4-3000
NY	Westinghouse Electric Corp	4030 New Court Rd, Syracuse, NY	HO3-6611
NC	Westinghouse Electric Corp	Box 6080, Myers Park Sta, Charlotte 1, NC	
Ohio	Westinghouse Electric Corp	6th & Main St, Cincinnati 2, Ohio	GA1-2250
Pa	Westinghouse Electric Corp	3001 Walnut St, Phila, Pa	EV2-1200
Pa	Westinghouse Electric Corp	306 Fourth Ave, Pittsburgh, Pa	EX1-2800
Tex	Westinghouse Electric Corp	1523 Dragon St, Dallas 7, Tex	RI2-4450
Wash	Westinghouse Electric Corp	1209 Poplar Pl, Seattle 44, Wash	EA3-8330
Wisc	Westinghouse Electric Corp	538 N. Brway, Milwaukee 2, Wisc	BR6-1800

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTINGHOUSE ELECTRIC CORP LAMP DIV	**Bloomfield, NJ**	**HU4-3000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTLAKE PLASTICS	**W. Lenni Rd, Lenni Mills, Pa**	**GL9-1000**

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTON HYDRAULICS LTD SUB BORG-WARNER CORP	**7500 Tyrone Ave, Van Nuys, Cal**	**TR3-4340**
Miss	Emil Polawniak	11757 Fawnridge Dr, Kirkwood, Mo	YO6-4861
NJ	William Beckerle	14 S. Boro Ln, Glen Rock, NJ	GI4-2094

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTPORT ELECTRIC	**149 Lomita St, El Segundo, Cal**	**ORB-9993**
NJ	H L Hoffman & Co	35 Old Country Rd, Westbury, NY	ED4-5600
NY	H L Hoffman & Co	35 Old Country Rd, Westbury, NY	ED4-5600
Ohio	Fred R Sharp Co	3138 Lee Rd, Cleveland 18, Ohio	FA1-4200

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTREX CORP. DIV., LITTON IND	**540 W. 58 St, New York 19, NY**	**JU2-3030**
Canada	Tele-Radio Systems Ltd	Toronto, Ont	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WESTRONICS INC	**3605 McCart St, Ft. Worth, Tex**	**WA3-8211**
Ala	Col-Ins-Co., Inc	1012 Big Cove Rd, Huntsville, Ala	JE6-8812
Ariz	Brooks Feeger Associates	478 N. Scottsdale Rd, Scottsdale, Ariz	WH6-2111
Cal	R J Hudson Co	Box 2217, Van Nuys, Cal	ST8-7188
Cal	Cerruti & Associates	Box 309, Redwood City, Cal	EM9-3354
Colo	Brooks Feeger & Associates	3041 Broadway, Englewood, Colo	SU1-7375
Conn	Broger Instrument Sales	Box 2917, New Haven, Conn	SP7-6279
Fla	Col-Ins-Co., Inc	64 E. Central Ave, Orlando, Fla	GA2-6197
Ga	Col-Ins-Co., Inc	2354 Ewing Dr, N.E., Atlanta, Ga	WE6-6177
Ill	Norman Engrg Co	2115 W. Marquette Rd, Chicago, Ill	HE4-2300
Ind	Norman Engrg Co	1627 Southeast Dr, South Bend, Ind	AT9-9836
Iowa	Norman Engrg Co	Box 431, Davenport, Iowa	
Mass	Broger Instrument Sales	48 Pearl St, Brookline, Mass	BE2-4804
Mich	Electro-Mation Associates	4012 E. Nine Mile Rd, Warren, Mich	JE9-1420
Minn	Norman Engrg Co	334 40th Ave, N.E., Minneapolis, Minn	SU8-8611
NM	Brooks Feeger & Associates	1122C San Mateo, S.E., Albuquerque, NM	AM8-1724
NY	Carse Electric Corp	1044 Broadway, Albany, NY	HO2-5364
NY	Creek Corp	Box 104, Roslyn, NY	MA1-7410
Ohio	Van Hala Industrial Co	16717 Lakewood Hgts-Blvd, Cleveland	LA1-6283
Ore	Martig's Inc	5741 N.E. Glisan St, Portland, Ore	BE2-1949
Pa	D Y Daily & Co	621 W. Rolling Rd, Springfield, Pa	KI3-1121
Tex	Pan-Tech Engrg & Supply	3302 Mercer St, Houston, Tex	JA4-1737
Wash	Martig's Inc	422-26 Smith Tower, Seattle, Wash	
Wisc	Norman Engineering Co	4873 Santa Monica Blvd, Milwaukee, Wisc	BR2-0352

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WHARFEDALE DIV BR IND CORP	**80 Shore Rd, Pt. Washington, NY**	**PO7-7700**
	Sales Representatives: See Garrard Sales Corp	

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES	TEL. NO.
	WHEATON ENGINEERING CORP	**Box 191, Wheaton, Ill**	**MO8-2330**
Ala	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Ariz	Veland & Burke Associates	432 N. Lake Ave, Pasadena 1, Cal	MU1-4421
Cal	Veland & Burke Associates	432 N. Lake Ave, Pasadena 1, Cal	MU1-4421
Colo	Aviation Products Co	817 Quentin St, Aurora, Colo	EM6-7651
Conn	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
DC	Armstrong Engrg Consultants Inc	2822 Cheswolde Dr, Baltimore, Md	RO4-3165
Del	Armstrong Engrg Consultants Inc	2822 Cheswolde Dr, Baltimore, Md	RO4-3165
Fla	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Ga	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Ill	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Kan	Aviation Products Co	6631 E. Kellogg, Wichita 7, Kan	MU4-0218
Ky	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Mass	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
Md	Armstrong Engrg Consultants Inc	2822 Cheswolde Dr, Baltimore, Md	RO4-3165

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Me	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
Mich	Kropp Forge Co	Center Bldg, Shaker Hgts, Ohio	SK2-03778
Minn	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171
Miss	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Mo	Pem Sales Co	8618 Brookshire Ln, University City	WY1-1539
NH	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
NJ	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
NY	Armstrong Engrg Consultants Inc	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
Ohio	Dayton Associates	118 W. 1st St, Dayton 2, Ohio	BA3-9621
Ohio	Dayton Associates	4924 Zula St, Cincinnati 38, Ohio	BL1-2349
Ohio	Dayton Associates	3017 Snow Rd, Cleveland 18, Ohio	YE2-6655
Okla	Aviation Products Co	6831 E. Kellogg, Wichita 7, Kan	MU4-0218
Ore	W J McNabb Co	P.O. Box 566, Bellevue, Wash	GL4-0577
Pa	Armstrong Engrg Consultants	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
RI	Armstrong Engrg Consultants	490 Pepperidge Tree Terr, Butler, NJ	BU9-2012
Tenn	Emmett Rushin	P.O. Box 486, Roswell, Ga	CE7-0535
Tex	Aviation Products Co	6115 Denton Dr, Dallas 35, Tex	FL7-1129
Utah	Aviation Products Co	817 Quentin St, Aurora, Colo	EM6-7651
Va	Armstrong Engrg Consultants	2822 Cheswolde Dr, Baltimore, Md	RO4-3165
Wash	W J McNabb Co	P.O. Box 566, Bellevue, Wash	GL4-0577
W. Va	Armstrong Engrg Consultants	2822 Cheswolde Dr, Baltimore, Md	RO4-3165
Wisc	Rockford Controls Co	324 Woodstock Ave, Glen Ellyn, Ill	GL6171

WHEELABRATOR CORP ..... **1465 S. Byrkit St, Mishawaka, Ind** **BL5-2141**

WHEELER ELECTRONIC CORP SUB

SPERRY RAND CORP ..... **150 E.Aurora St, Waterbury 20, Conn** **PL4-6191**

Cal	Sperry Gyroscope Co	2200 E. Imperial Hwy, El Segundo	OR8-6226

WHEELER LABORATORIES INC. ... **Great Neck, NY** **HU3-7876**

WHEELOCK SIGNALS INC ..... **273 Beaubport Ave, Long Branch, NJ** ... **CA3-6880**

Ala	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Ark	M F Klicpera Co	3421 Terry Rd, Jackson 4, Miss	
Cal	Bellilove Co	420 Market St, San Francisco, Cal	YU2-3713
Cal	Rollins Electric Co	804 S. Atlantic Blvd, Monterey Park, Cal	CU3-1209
Conn	H P Woodit Associates	30 S. Broadway, Yonkers, NY	YO9-8292
Del	Durling Electric Co	301 E. 25th St, Baltimore, Md	HO7-5560
DC	Durling Electric Co	301 E. 25th St, Baltimore, Md	
Fla	Scientific Sales Engineering Co	1851 Oak Ln, Orlando, Fla	GA4-0730
Ga	Scientific Sales Engineering Co	2162 Piedmont Rd, N.E., Atlanta, Ga	TR3-2475
Idaho	H M Denny Co	111 W. Harrison St, Seattle, Wash	AT4-0530
Idaho	Controls Engineering & Dist Co	1150 E. 5th St, Salt Lake City, Utah	
Ill	E C Baumann Co	2447 W. Belmont Ave, Chicago 18, Ill	WE5-9440
Ill	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Ind	E C Baumann Co	2447 W. Belmont Ave, Chicago, Ill	WE5-9440
Ind	Wright Engineering Co	4241 Melbourne Rd, Indianapolis, Ind	WA3-8888
Iowa	Koenig-Myers Associates	4538 Main St, Kansas City, Mo	JE1-7221
Iowa	E C Baumann Co	2447 W. Belmont Ave, Chicago, Ill	WE5-9440
Kan	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Ky	Wright Engineering Co	4241 Melbourne Rd, Indianapolis, Ind	WA3-8888
La	M F Klicpera Co	4210 S. MacGregor Way, Houston, Tex	JA2-8459
Me	David A Healey	610 Atlantic Ave, Boston 10, Mass	LI2-9214
Md	Durling Electric Co	301 E. 25th St, Baltimore 8, Md	HO7-5560
Mass	Durling Electric Co	301 E. 25th St, Baltimore, Md	HO7-5560
Mich	E V M Becker	12243 12th St, Detroit 6, Mich	TO8-8538
Minn	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Miss	M F Klicpera Co	3421 Terry Rd, Jackson 4, Miss	
Mo	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Mont	H M Denny & Co	111 W. Harrison St, Seattle, Wash	AT4-0530
Neb	Koenig-Myers Associates	4538 Main St, Kansas City 11, Mo	JE1-7221
Nev	Bellilove Co	420 Market St, San Francisco, Cal	YU2-3713
Nev	Controls Engineering & Dist Co	1150 E. 5th St, Salt Lake City, Utah	
NH	David A Healey	610 Atlantic Ave, Boston, Mass	LI2-9214
NJ	Kehoe Specialties Dist	20 Vernon Pl, East Orange, NJ	OR2-1959
NY	B R Schillinger Co	75 West St, New York, NY	BO9-1994
NC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
NC	Wilson P Byrd	Summit Sta, Box 6101, Greensboro, NC	BR3-5932
ND	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Ohio	W W Baerbalck Associates	7719 Reading Rd, Cincinnati, Ohio	PO1-1654
Ohio	Handel-Davies Co	2626 Noble Rd, Cleveland, Ohio	EV2-2600
Okla	M F Klicpera Co	P. O. Box 2094, Tulsa, Okla	
Ore	H M Denny & Co	111 W. Harrison St, Seattle, Wash	AT4-0530
Pa	A F Shane Co	440 S. Evaline St, Pittsburgh, Pa	MU2-6065
Pa	Chem-tronics	505 Hill Ave, Reading, Pa	FR3-6837
RI	B R Schillinger Co	75 West St, New York, NY	BO9-1994
SC	Scientific Sales Engineering Co	2831 S. Main St, Winston-Salem, NC	PA3-3281
SC	Wilson P Byrd	Summit Sta, Box 6101, Greensboro, NC	BR3-5932
SD	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Tenn	M F Klicpera Co	3421 Terry Rd, Jackson, Miss	
Tenn	Scientific Sales Engineering Co	3514 Flamingo Rd, Huntsville, Ala	JE9-5552
Tex	M F Klicpera Co	4210 S. MacGregor Way, Houston, Tex	JA2-8459
Utah	Controls Engineering & Dist Co	1150 E. 5th St, Salt Lake City, Utah	
Vt	David A Healey	610 Atlantic Ave, Boston, Mass	LI2-9214
Va	Durling Electric Co	301 E. 25th St, Baltimore, Md	HO7-5560
Wash	H M Denny & Co	111 W. Harrison St, Seattle, Wash	AT4-0530
Wisc	Northern States Sales Co	1400 Park Ave, Minneapolis, Minn	FE6-4808
Wisc	E C Baumann Co	2447 W. Belmont Ave, Chicago, Ill	WE5-9440
Wyo	Controls Engineering & Dist	1150 E. 5th St, Salt Lake City, Utah	

WHISTLER & SONS INC., S B ..... **752 Military Rd, Buffalo 23, NY**

WHITAKER CABLE CORP ..... **Kansas City 16, Mo** **GR1-4640**

Ala	Jim Gamel	125 Laurine St, Jacksonville, Fla	RA5-3917
Ariz	Clark Spangler	3013 Spruce Pl, Fullerton, Cal	JA9-1622
Ark	I W Goodman	7608 N. May Ave, Oklahoma City, Okla	VI3-3208
Cal	Lloyd Evans	2728 Olive Ave, Irvington, Cal	OL6-2653
Cal	Clark Spangler	3013 Spruce Pl, Fullerton, Cal	JA9-1622
Colo	W R Brooks	1260 Grape St, Denver, Colo	SK6-1231
Conn	Jack Fitzpatrick	125 Grant Ave, Copiague, NY	AM4-1160
Del	John Colgan	4209 Chester Ave, Philadelphia, Pa	
DC	John Colgan	4209 Chester Ave, Philadelphia, Pa	
Fla	Jim Gamel	125 Laurine St, Jacksonville, Fla	RA5-3917
Ga	Jim Gamel	125 Laurine St, Jacksonville, Fla	RA5-3917
Idaho	Harold Terry	1000 S. W. Vista Ave, Portland Ore	CA2-4538
Ill	Robert Crawford	804 S. Scoville Ave, Oak Park, Ill	EU3-4504
Ind	Paul Dairson	505 Sunset Blvd, Greenwood, Ind	TU1-2118
Iowa	R A Manning	3850 Cass St, Omaha, Neb	RE3925
Kan	D A Gilmore	8515 Lowell, Overland Park, Kan	NI8-7666
Ky	Paul Dairson	505 Sunset Blvd, Greenwood, Ind	TU1-2118
La	Tom Wilkerson	3661 Asbury Ave, Dallas, Tex	LA8-6662
Me	Carl A Booth	80 Harrison Ave, West Lynn, Mass	LY2-1805
Md	John Colgan	4209 Chester Ave, Philadelphia, Pa	
Mass	Carl A Booth	80 Harrison Ave, West Lynn, Mass	LY2-1805
Mich	Robert Crawford	804 S. Scoville Ave, Oak Park, Ill	EU3-4504
Minn	Jim Higgins	7100 Hartkopf Ln, Minneapolis, Minn	KE7-9359
Miss	Jim Gamel	125 Laurine St, Jacksonville, Fla	RA5-3917
Mo	D A Gilmore	8515 Lowel, Overland Park, Kan	NI8-7666
Mont	Harold Terry	1000 S. W. Vista Ave, Portland, Ore	CA2-4538
Neb	R A Manning	3850 Cass St, Omaha, Neb	RE3925
Nev	W R Brooks	1260 S. Grape St, Denver, Colo	SK6-1231
NH	Carl Booth	80 Harrison Ave, West Lynn, Mass	LY2-1805
NJ	Jack Fitzpatrick	125 Grant Ave, Copiague, NY	AM4-1160
NM	W R Brooks	1260 S. Grape St, Denver, Colo	SK6-1231
NY	Jack Fitzpatrick	125 Grant Ave, Copiague, NY	AM4-1160
NC	Jim Hyde	2400 Columbus Circle, Charlotte, NC	EX9-8053
ND	Jim Higgins	7100 Hartkoff Ln, Minneapolis, Minn	KE7-9359
Ohio	Bill Heuffine	Rt 2, Box 471, Chardon, Ohio	
Ohio	Paul Dairson	505 Sunset Blvd, Greenwood, Ind	TU1-2118
Okla	I W Goodman	7608 N. May Ave, Oklahoma City, Okla	VI3-3208
Ore	Harold Terry	1000 S.W. Vista Ave, Portland, Ore	CA2-4538
Pa	John Colgan	4209 Chester Ave, Philadelphia, Pa	
RI	Carl Booth	80 Harrison Ave, West Lynn, Mass	LY2-1805
SC	Jim Hyde	2400 Columbus Circle, Charlotte, NC	EX9-8053
SD	Jim Higgins	7100 Hartkoff Ln, Minneapolis, Minn	KE7-9359
Tenn	Don Perry	799 Blossom Ln, Rock Hill 19, Mo	WO1-0526
Tex	Tom Wilkerson	3661 Asbury Ave, Dallas, Tex	LA8-6662
Utah	Harold Terry	1000 S.W. Vista Ave, Portland, Ore	CA2-4538
Vt	Carl Booth	80 Harrison Ave, West Lynn, Mass	LY2-1805
Va	Jim Hyde	2400 Columbus Circle, Charlotte, NC	EX9-8053
Wash	Harold Terry	1000 S.W. Vista Ave, Portland, Ore	CA2-4538
W. Va	Jim Hyde	2400 Columbus Circle, Charlotte, NC	EX9-8053
Wisc	Robert Crawford	804 S. Scoville Ave, Oak Park, Ill	EU3-4504
Wyo	W R Brooks	1260 S. Grape St, Denver, Colo	SK6-1231

WHITE AIRCRAFT CORP ..... **Palmer, Mass**

WHITE AVIONICS CORP ..... **Terminal Rd, Plainview, NY** **WE5-5511**

Ariz	King Engineering Co	5321 1/2 Hollywood Blvd, L A 27, Cal	HO4-7166
Cal	King Engineering Co	5321 1/2 Hollywood Blvd, L A 27, Cal	HO4-7166

WHITE DENTAL MFG CO., S S ..... **10 E. 40 St, New York 16, NY**

WHITE INSTRUMENT LABS ..... **Box 9006, Allandale Sta, Austin 17, Tex** **GL3-8447**

WHITEWATER ELECTRONICS INC. . **136 W. Main St, Whitewater, Wisc**

WHITMAN SADDLE MFG. CO ..... **1725 Powers St, Cincinnati 23, Ohio** **KI1-3223**

Cal	Weeks & Assoc	217 Cupertino Way, San Mateo, Cal	
Del	Mechelec Sales Co	81 Union St, Medford, NJ	
Ind	Sheridan Assoc., Inc	Roselawn Center Bldg, Cinn, 37, Ohio	ME1-2460
Iowa	Anderson & Assoc	3825 York Ave, N. Minneapolis 22, Minn	
Ky	Sheridan Assoc., Inc	Roselawn Center Bldg, Cinn 37, Ohio	ME1-2460
La	J. Earl Smith Co	6211 Denton Dr, Dallas, Tex	
Md	Mechelec Sales Co	81 Union St, Medford, NJ	
Minn	Anderson & Ass'ts	3825 York Ave, N. Minneapolis 22, Minn	
NJ	Paul D. Aaron	Professional Bldg, Port Washington, NJ	
NJ	Mechelec Sales Co	81 Union St, Medford, NJ	
ND	Anderson & Assoc	3825 York Ave, N. Minneapolis 22, Minn	
Ohio	Sheridan Assoc	Roselawn Center Bldg, Cinn 37, Ohio	ME1-2460
Okla	J. Earl Smith	6211 Denton Dr, Dallas, Tex	
Pa	Mechelec Sales Co	81 Union St, Medford, NJ	
Pa	Sheridan Assoc	Roselawn Center Bldg, Cinn 37, Ohio	ME1-2460
SD	Anderson & Assoc	3825 York Ave, N. Minneapolis 22, Minn	
Tex	J. Earl Smith	6211 Denton Dr, Dallas, Tex	

WHITNEY BLAKE CO ..... **97 Pershing St, New Haven 14, Conn** **CH8-5515**

WHITNEY METAL TOOL CO ..... **726 Forbes St, Rockford, Ill** **WO2-5571**

WHITSO INC ..... **9330 Byron St, Schiller Park, Ill** **GL5-5297**

Ariz	Jackson Edwards Co	4101 Lankershim Blvd, N. Hollywood, Cal	TR7-9603
Cal	Jackson Edwards Co	4101 Lankershim Blvd, N.Hollywood, Cal	TR7-9603
Cal	George E Honn Co	420 Market St, San Francisco, Cal	SU1-7352
Conn	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Del	William B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
DC	William B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Me	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Md	William B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Mass	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Nev	George E Honn Co	420 Market St, San Francisco, Cal	SU1-7352
NH	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
NJ	Adolph Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	MO4-4866
NJ	Wm B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
NY	Lenard Co	132 Burnet Ave, Syracuse 3, NY	GR9-9191
NY	Adolph Friedman Co	519 S. 5th Ave, Mt. Vernon, NY	MO4-4866
Pa	William B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
RI	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Vt	Adams-McGregor Associates	66 Lakeview Rd, Lincoln, RI	PA6-1300
Va	William B Drew & Co	145 N. Narberth Ave, Narberth, Pa	MO4-8331
Canada	Electrodesign	736 Notre Dame St, W.Montreal, Que, Can	UN6-7367

WHITTAKER GYRO DIV TELECOMPUTING CORP ..... **16217 Lindbergh St, Van Nuys, Cal** **ST5-2131**

Wash	A H Fogelman Associates	2000 K St, N.W., Washington 6, DC	FE3-6767

WIANCKO ENGINEERING CO ..... **255 N. Halstead Ave, Pasadena, Cal** **EL5-7186**

NJ	F Williams	2 Maple St, Ridgewood, NJ	GI4-2444

WICKES ENGINEERING & CONSTRUCTION CO ..... **12th St & Ferry Ave, Camden 4, NJ** **WO4-4912**

WIDNEY-DORLEC DIV ..... **80 Shore Rd, Pt. Washington, NY** **PO7-7700**

Cal	Sales Representatives: See Garrard Sales Corp	

WIEGAND CO., EDWIN L ..... **7606 Thomas Blvd, Pittsburgh 8, Pa** **CH2-6400**

WIEGAND MFG CO ..... **130 E. Hawthorne Ave, Valley Stream, NY** **YA5-4141**

WIGGINS OIL TOOL CO., INC., E B **3424 E. Olympic Blvd, Los Angeles, Cal** **AN9-0181**

Cal	Jerry L Dysart	955 Edgecliff Way, Redwood City, Cal	EM8-4924
Cal	Russ Randall	P. O. Box 6507, San Diego 6, Cal	AC3-1552
Ga	Sanders R Allred	1497 Holly Ln, N.E., Atlanta 6, Ga	ME6-1509
Ill	G R Carrier	10340 S. Western Ave, Chicago, Ill	PH5-6300
Kan	Don A Dickinson	1530 W. 20th St, Wichita, Kan	AM7-2919
Mass	Howard Stevens	68 Scribner, Boston, Mass	TW5-2981
NY	Howard Harding	100 Kings Hwy, Westport, Conn	CA7-6112
NY	Walter R Smith	354 Meadowbrook Ave, Eatontown, NJ	LI2-2674
NY	Robert W Martin	P.O. Box 73, Liverpool, NY	HA2-3055
Ohio	Jim Leonard	1717 Section Rd, Cincinnati, Ohio	RE1-3542
Tex	G L C Dehn	6617 Snyder Plaza, Dallas 5, Tex	EM1-0100

WILCO CORP ..... **546 Drover St, Indianapolis, Ind** **ME7-5439**

Cal	Gerald L Weller Sales Co	12829 Elkwood St, N. Hollywood, Cal	PO4-6031
Ill	Gene F Sales Co	5306 W. Lawrence Ave, Chicago 30, Ill	KI5-5562
NY	William Lichter Sales Co	26 Teakwood Ln, Roslyn, NY	MA1-2636

WILCOX ELECTRIC CO ..... **1400 Chestnut St, Kansas City, Mo**

WILDBERG BROS SMELTING & REFINING CO ..... **742 Market St, San Francisco 2, Cal** **DO2-3505**

Cal	Wildberg Bros Smelting & Refining Co	635 S. Hill St, Los Angeles, Cal	MA7-2041

WILEY ELECTRONICS DIV SAVAGE IND ..... **2045 W. Cheryl Dr, Phoenix, Ariz** **WI3-7267**

WILLIAMS & CO., C K ..... **640 N. 13th St, Easton, Pa** **BL3-6261**

Cal	C K Williams & Co	4650 Shellmound St, Emeryville, Cal	OL2-4806
Cal	C K Williams & Co	7522 Maie Ave, Los Angeles 1, Cal	LU7-4218
Ga	R T Hopkins Co	544 Means St, N.W., Atlanta, Ga	WA9257
Ill	C K Williams & Co	400 W. Madison Ave, Chicago 6, Ill	AN3-1688
Ill	C K Williams & Co	2001 Lynch Ave, E. St Louis, Ill	BR1-4600
La	C K Williams & Co	1132 Comm Bldg, New Orleans, La	EX3770
Mass	C K Williams & Co	131 State St, Boston 9, Mass	LA3-0255
Mich	C K Williams & Co	14402 Plymouth Rd, Detroit 27, Mich	BR3-5680
Minn	Geo C Brandt Inc	780 Vandalia St, St.Paul, Minn	MI6-1339
Mo	C K Williams & Co	406 W. 34th St, Kansas City 11, Mo	LO2676
NJ	C K Williams & Co	655 Clinton Ave, Newark 8, NJ	BI8-3553
Ohio	C K Williams & Co	1312 American Bldg, Cincinnati 2, Ohio	MA2061
Ohio	C K Williams & Co	1501 Euclid Ave, Cleveland 15, Ohio	CH1-7755
Ore	Cordano Chemical Co	56 S.E. Belmont St, Portland 14, Ore	BE4-1465
Pa	C K Williams & Co	101 N. 33 St, Philadelphia 4, Pa	EV2-2650
Tex	C K Williams & Co	4010 Bluebonnet, Houston 25, Tex	MO4-2830
Wash	Great Western Chem Co	6921 E. Marginal Way, Seattle 8, Wash	MO6350
Wash	Pearson & Smith	W. 1133 College Ave, Spokane 1, Wash	EM5588
Wisc	R L Ferguson Co	Railway Exchange Bldg, Milwaukee	BR6-1146
Canada	Soden Chemicals	2143 St. Patrick St, Montreal, Canada	FI4602
Foreign	Amicer Corp	385 Fifth Ave, New York 17, NY	OR9-7060

WILLIAMS GOLD REFINING CO INC **2978 Main St, Buffalo 14, NY** **UN7204**

	WILLSON CAMERA CO., INC	**1395 Lawrence Rd, Havertown, Pa**	**HI6-8760**
	WILMAD GLASS CO., INC	**Landisville, NJ**	
	WILMINGTON FIBRE SPECIALTY CO	**New Castle 6, Del**	
	WILSON & CO., G C	**1915 Eighth Ave, Huntington, W. Va**	**JA3-5149**
	WINATIC CORP.	**Box 240, Endicott, NY**	**PI8-1518**
NY	Bardwell & Schoelles Associates	36 Winthrop St, Rochester 7, NY	BA5-7687
	WINCHARGER CORP	**E. 7th & Division Sts, Sioux City, Iowa**	**2-1844**
Cal	Premmco Inc	5470 Valley Blvd, Los Angeles 32, Cal	CA2-0167
Cal	Premmco Inc of Northern Cal	2406 Lincoln Ave, Alameda, Cal	LA3-9495
Cal	Premmco of Arizona	3217 E. Washington, Phoenix, Ariz	RI5-7588
	WINCHESTER ELECTRONICS INC.	**19 Willard Rd, Norwalk, Conn.**	**VI7-7231**
Ala	W M Jones Co	1437 Kenilworth Dr, Atlanta, Ga	PL5-5318
Ariz	Fryco	355 N. Scottsdale Rd, Scottsdale, Ariz	WH5-3281
Ark	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Cal	Winchester Electronics Inc	1218 5th St, Santa Monica, Cal	EX4-2755
Cal	Winchester Electronics Inc	1113 Thomas St, Pacific Beach, San Diego	HU8-9494
Cal	Long & Associates	Brewster-Warren St, Redwood City, Cal	EM9-3324
Colo	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
Del	Winchester Electronics Inc	7016 Conley St, Baltimore 24, Md	AT4-1103
DC	W M Jones Co	1107 Echo Ct, N. Towson 4, Md	VA3-5721
Fla	W M Jones Co	711 Magnolia Ave, Orlando, Fla	GA4-6298
Ga	W M Jones Co	1437 Kenilworth Dr, Atlanta, Ga	PL5-5318
Ill	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 46, Ill	RO3-3636
Ind	Harry W Gebhard Co	5129 W. Devon Ave, Chicago 46, Ill	RO3-3636
Iowa	W E Fry Co	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Kan	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
La	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Me	Winchester Electronics Inc	55 Prospect St, Holliston, Mass	GA9-2369
Md	Winchester Electronics Inc	7016 Conley St, Baltimore 24, Md	AT4-1103
Mass	Winchester Electronics Inc	55 Prospect St, Holliston, Mass	GA9-2369
Mich	Gallagher Co	320 William Rd, Rochester, Mich	OL2-4676
Minn	Edward Hoffman Co., Inc	216 Liberty Bank Bldg, St. Paul, Minn	MI5-4662
Miss	L R Massey Co	304 E. Jefferson St, Greenwood, Miss	GL3-7416
Mo	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Neb	W E Fry Co	406 W. 34th St, Kansas City, Mo	JE1-5236
Nev	Long & Associates	Brewster-Warren St, Redwood City, Cal	EM9-3324
NH	Winchester Electronics Inc	55 Prospect St, Holliston, Mass	GA9-2369
NJ	Winchester Electronics Inc	7016 Conley St, Baltimore 24, Md	AT4-1103
NM	Longstreet-Smith Associates	1013 15th St, Denver, Colo	KE4-5091
NC	W M Jones	1107 Echo Ct, N. Towson 4, Md	VA3-5721
ND	Edward Hoffman Co., Inc	216 Liberty Bank Bldg, St. Paul, Minn	MI5-4662
Ohio	Gallagher Co	15 Ritche Ave, Cincinnati, Ohio	WE1-4040
Okla	W E Fry Co	6616 W. Florissant Ave, St. Louis, Mo	EV2-3500
Ore	Winchester Electronics Inc	1321 E. 66th St, Seattle 15, Wash	LA2-4301
Pa	Winchester Electronics Inc	7016 Conley St, Baltimore, Md	AT4-1103
RI	Winchester Electronics Inc	55 Prospect St, Holliston, Mass	GA9-2369
SC	W M Jones Co	1107 Echo Ct, N. Towson, Md	VA3-2434
SD	Edward Hoffman Co., Inc	216 Liberty Bank Bldg, St. Paul, Minn	MI5-4662
Tenn	W M Jones Co	1437 Kenilworth Dr, Atlanta, Ga	PL5-5318
Tex	Winchester Electronics Inc	815 N. Montclair Ave, Dallas, Tex	WH2-7211
Utah	Longstreet-Smith Associates Inc	1013 15th St, Denver, Colo	KE4-5091
Vt	Winchester Electronics Inc	55 Prospect St, Holliston, Mass	GA9-2369
Va	W M Jones Co	1107 Echo Ct, N. Towson, Md	VA3-2434
Wash	Winchester Electronics Inc	1321 E. 66th St, Seattle, Wash	LA2-4301
W. Va	Winchester Electronics Inc	7016 Conley St, Baltimore, Md	AT4-1103
Wisc	Edward Hoffman Co., Inc	216 Liberty Bank Bldg, St. Paul, Minn	MI5-4662
	WIND TURBINE CO	**E. Market St & Penna R.R., W. Chester, Pa**	**OW6-3110**
	WINDER AIRCRAFT CORP.	**Dunnellon A B, Drawer 8, Dunnellon, Fla**	**HU9-2411**
	WINEGARD CO	**3000 Scotten Blvd, Burlington, Iowa**	**PL4-6595**
Cal	Harris-Koetke Sales Co	204 E. Hillsdale, San Mateo, Cal	FI1-2909
Cal	Walter W Corman	7432 W. 80th St, Los Angeles 45, Cal	ORO-2520
Cal	Vincent Allstaedt	306 B W. Mission St, Santa Barbara, Cal	WO5-7705
Iowa	Paul R Mettler	302 Belle Aire, Burlington, Iowa	PL4-8359
Iowa	Harry Rheinschmidt	Washington Rd, W. Burlington, Iowa	PL4-7862
Iowa	Les Schepker	1117 Perry St, Davenport, Iowa	2-5431
Mass	Rodgers Associates	717 Main St, Holyoke, Mass	JE3-4301
Miss	L R Massey	304 E. Jefferson St, Greenwood, Miss	GL3-3038
Mo	Collins-Havercamp Inc	6825 N. Baltimore, Kansas City 16, Mo	GL3-4497
NJ	Edwin B Hinck	270 N. Mountain Ave, Upper Montclair,	PI6-2625
NJ	A A Foley Co	15 S. Shirley Ave, Moorestown, NJ	NO3-4545
Ohio	Thomas Snelby & Co	319 S. Franklin St, New Bremen, Ohio	6511
Ohio	Jim Landfear Co., Inc	12429 Cedar Rd, Cleveland, Ohio	FA1-4533
Pa	Henry A Goodman	401 W. Mt. Airy Ave, Philadelphia, Pa	CH7-7116
Tex	Hank Lieberman Co	P.O. Box 12262, Dallas 25, Tex	EM3-3452
Foreign	Gordon Dougherty Enterprises	P.O. Box 1014, Kailua, Kawaii	
	WINKLER LABORATORIES	**5225 N. 20th St, Phoenix, Ariz**	
	WINSTON ELECTRONICS DIV JETRONIC	**4000 N.W. 28th St, Miami 42, Fla**	**NE3-2505**

Ala	Albert Engelman & Co	3205 Crump Ave, Memphis, Tenn	GL8-6263
Alaska	Dale G Weber	8 S.E. Clay St, Portland, Ore	BE4-7671
Ariz	Jack A Berman Co., Inc	1141 S. La Cienega Blvd, L A, Cal	BR2-9138
Ark	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Cal	Jack A Berman Co	1141 S. La Cienega Blvd, L A, Cal	BR2-9138
Cal	Leo Unger & Associates	5449 Oakdale Ave, Woodland Hills, Cal	
Cal	H L Newman	56-41st Ave, San Mateo, Cal	FI1-3433
Colo	Leo Unger & Associates	5449 Oakdale Ave, Woodland Hills, Cal	
Colo	Cox Sales Co	Box 4201, Denver Sta	
Conn	Robert Hamilton	P. O. Box 472, New Canaan, Conn	
Del	Wilfrid Graham Associates	610 Latham Dr, Wynnewood, Pa	MI9-3027
Del	Carl Hullinger & Associates	P. O. Box 254, Riverhead, NY	
DC	Wilfrid Graham Associates	610 Latham Dr, Wynnewood, Pa	MI9-3027
DC	Carl Hullinger & Associates	P. O. Box 254, Riverhead, NY	
Fla	Frank C Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2752
Ga	Frank C Nickerson	626 Medlock Rd, Decatur, Ga	ME6-2754
Idaho	Dale G Weber	8 S.E. Clay St, Portland, Ore	BE4-7671
Ill	Doug Gleason & Associates	2726 W. Lake St, Minneapolis, Minn	
Ill	Ka Dell Sales Association	5875 N. Lincoln Ave, Chicago, Ill	LO1-3042
Ind	Phil Wilkins & Associates	Rural Rt 2, Sturgis, Mich	
Iowa	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	BA1-3800
Kan	Burt Eaton & Associates	2201 Grand Ave, Kansas City, Mo	
Ky	Phil Wilkins & Associates	Rural Rt 2, Sturgis, Mich	
La	Al Engelman	3205 Crump Ace, Memphis, Tenn	GL8-6263
Me	Bob Hamilton	P. O. Box 472, New Canaan, Conn	
Md	Wilfrid Graham Associates	610 Latham Dr, Wynnewood, Pa	MI9-3027
Mass	Robert Hamilton	Box 472, New Cannan, Conn	
Mich	Howard Moore Sales Co	401 Margaret West, Detroit 3, Mich	TU3-0218
Minn	Doug Gleason & Associates	2726 W. Lake St, Minneapolis, Minn	
Minn	Ken Steinke Sales	7731 W. Morgan Ave, Milwaukee, Wisc	
Miss	Al Engelman	3205 Crump Ave, Memphis, Tenn	GL8-6263
Mo	Kay Sales Co	2600 Grand Ave, Kansas City 9, Mo	
Mo	Burt Eaton Associates	2201 Grand Ave, Kansas City 8, Mo	
Mont	Dale Weber	8 S.E. Clay St, Portland 14, Ore	BE4-7671
Neb	Doug Gleason	2726 W. Lake St, Minneapolis, Minn	
Neb	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Nev	Leo Unger & Associates	5449 Oakdale Ave, Woodland Hills, Cal	DI7-7155
Nev	Harold L Newman	56-41st Ave, San Mateo, Cal	
NH	Robert Hamilton	P. O. Box 472, New Canaan, Conn	
NJ	Al Friedman & Associates	118-16 Jamaica Ave, Jamaica, NY	
NM	Cox Sales Co	Box 4201, Denver Sta, S. Denver, Colo	
NM	Leo Unger	5449 Oakdale Ave, Woodland Hills, Cal	
NY	Bob Hamilton	Box 472, New Cannan, Conn	
NY	Carl Hullinger	Box 254, Riverhead, NY	
NY	Al Friedman	118-16 Jamaica Ave, Jamaica, NY	
NC	Frank Nickerson	626 Medlock Rd, Decatur, Ga	
ND	Doug Gleason	2726 W. Lake St, Minneapolis, Minn	
ND	Ken Steinke	7731 W. Morgan Ave, Milwaukee, Wisc	
Ohio	Phil Wilkins	Rural Rt 2, Sturgis, Mich	
Ohio	Weller Rahe Co	P.O.Box 212, Worthington, Ohio	TU5-7819
Okla	Burt Eaton Associates	2201 Grand Ave, Kansas City, Mo	
Okla	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Ore	Dale G Weber	8 S.E. Clay St, Portland, Ore	
Pa	Carl Hullinger	Box 254, Riverhead, NY	
Pa	Weller Rane Co	Box 212, Worthington, Ohio	TU5-7819
Pa	Wilfrid Graham Associates	610 Latham Dr, Wynnewood, Pa	
RI	Robert Hamilton	Box 472, New Cannan, Conn	
SC	Frank Nickerson	626 Medlock Rd, Decatur, Ga	
SD	Doug Gleason	2726 W. Lake St, Minneapolis, Minn	
SD	Ken Steinke	7731 W. Morgan Ave, Milwaukee, Wisc	
Tenn	Al Engelman	3205 Crump Ave, Memphis, Tenn	
Tex	Fred Gross & Co	P. O. Box 1926, Dallas 21, Tex	EL4801
Utah	Leo Unger	5449 Oakdale Ave, Woodland Hills, Cal	
Utah	Cox Sales Co	Box 4201, Denver Sta, S. Denver, Colo	
Vt	Robert Hamilton	Box 472, New Cannan, Conn	
Wash	Dale G Weber	8 S.E. Clay St, Portland, Ore	
W. Va	Weller Rahe Co	Box 212, Worthington, Ohio	TU5-7819
Wisc	Doug Gleason	2726 W. Lake St, Minneapolis, Minn	
Wisc	Kay Sales Co	2600 Grand Ave, Kansas City, Mo	
Wyo	Leo Unger	5449 Oakdale Ave, Woodland Hills, Cal	
	WINTERBURN MFG CO	**P.O. Box 386, Putnam, Conn**	**WA8-6551**
Conn	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Ill	Hill & Gray	41 1/2 Harrison St, Oak Park, Ill	ES8-7050
Me	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Mass	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
NH	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
NJ	Jackson Engineering Co	128 Court St, White Plains, NY	WH8-1033
NY	Jackson Engineering Co	128 Court St, White Plains, NY	WH8-1033
Ohio	Technical Associates Inc	4475 Lander Rd, Chagrin Falls, Ohio	TE1-9884
Pa	Jackson Engineering Co	211 Ford Rd, Bala Cynwyd, Pa	MO4-9611
RI	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
Vt	Walworth Controls Co	131 Main St, Rocky Hill, Conn	JA9-6806
	WINTRONICS	**213 S. Hawthorne Blvd, Hawthorne, Cal**	**OS5-1464**
	WIRCO ELECTRONICS INC	**11680 McBean Dr, El Monte, Cal**	**GI3-1433**
	WIRE STRIPPER CO	**1722 Eastham Ave, E. Cleveland 12, Ohio**	**GL1-3035**
	WIRECRAFT PRODUCTS INC	**Rt 9, West Brookfield, Mass**	**VO7-3155**
Cal	W S Harmon Co	121 N. Robertson Blvd, Beverly Hills	OL5-6340
Conn	Bahr Sales Co	Spring Valley Rd, Woodbridge, Conn	FU7-8712
Ill	Ridley Associates	1551 N. Austin Blvd, Chicago 51, Ill	TU9-2940
Mass	Bahr Sales Co	16 Westfield Rd, Natick, Mass	OL3-9291
Mich	John W Gillette & Co	16115 Meyers Rd, Detroit 35, Mich	UN2-3258
Minn	Robert Anderson	3825 York Ave, N., Minneapolis 22, Minn	JU8-2390
NY	Leo Freed & Co	420 Lexington Ave, New York 17, NY	LE2-4771
NY	Robert W Jackson	4446 Main St, Buffalo 26, NY	CI2094

	WOLLENSAK OPTICAL CO	**320 E. 21st St, Chicago, Ill**	**VI2-1242**
Ala	Hornstein Photo Sales Inc	547 Peachtree St, N.E., Atlanta, Ga	
Alaska	Ponder & Best Inc	115 Warren Ave, Seattle, Wash	
Ariz	Ponder & Best Inc	814 N. Cole Ave, Hollywood 38, Cal	
Ark	Arel Inc	4916 Shaw Ave, St. Louis 10, Mo	
Cal	Western Movie Supply Co., Inc	915 N. Highland, Hollywood 38, Cal	
Colo	Ponder & Best Inc	4821 E. 38th Ave, Denver, Colo	
Conn	Eastern Photo Supply Corp	1001 Turnpike Rd, Canton, Mass	
Del	Alco Photo Supply Corp	116 N. 4th St, Philadelphia 7, Pa	
Del	Raygram Corp	232 N. 11th St, Philadelphia, Pa	
DC	Alco Photo Supply Corp	116 N. 4th St, Philadelphia 7, Pa	
DC	Raygram Corp	2109-14th St, N.W., Washington DC	
Fla	Alferd J Levit Inc	265 N.W. 71st St, Miami, Fla	
Fla	Raygram Corp	2109-14th St, N.W., Washington DC	
Hawaii	Ponder & Best Inc	Honolulu, Hawaii	
Idaho	Ponder & Best Inc	115 Warren Ave, Seattle, Wash	
Ill	Arel Inc	7225 N. Kostner, Chicago 46, Ill	
Ind	Arel Inc	7225 N. Kostner, Chicago 46, Ill	
Ind	Hornstein Photo Sales Inc	320 W. Ohio St, Chicago 10, Ill	
Kan	Arel Inc	4916 Shaw Ave, St. Louis 10, Mo	
Ky	Hornstein Photo Sales Inc	547 Peachtree St, N.E., Atlanta, Ga	
Ky	Alferd J Levit Inc	704 Reid Ave, Nashville, Tenn	
Me	Eastern Photo Supply Corp	1001 Turnpike Rd, Canton, Mass	
Md	Raygram Corp	2109-14th St, N.W., Washington, DC	
Mass	Eastern Photo Supply Corp	1001 Turnpike Rd, Canton, Mass	
Mich	Arel Inc	7225 N. Kostner, Chicago 46, Ill	
Minn	Arel Inc	3106 W. Lake St, Minneapolis 16, Minn	
Miss	Arel Inc	4916 Shaw Ave, St. Louis 10, Mo	
Miss	Hornstein Photo Sales Inc	547 Peachtree St, N.E., Atlanta, Ga	
Miss	Alferd J Levit Inc	704 Reid Ave, Nashville, Tenn	
Mo	Hornstein Photo Sales Inc	2801 Terrace St, Kansas City, Mo	
Nev	Ponder & Best Inc	675 S. Van Ness, San Francisco, Cal	
NH	Eastern Photo Supply Corp	1001 Turnpike Rd, Canton, Mass	
NJ	Alco Photo Supply Corp	902 Broadway, New York 10, NY	
NM	Arel Inc	106 Cole St, Dallas 2, Tex	
NY	Raygram Corp	144 E. Kingsbridge Rd, Mt. Vernon, NY	
NC	Alferd J Levit Inc	1012 E. 4th St, Charlotte 3, NC	
ND	Hornstein Photo Sales Inc	2801 Terrace St, Kansas City, Mo	
Ohio	Hornstein Photo Sales Inc	648 Huron Rd, Cleveland, Ohio	
Okla	Arel Inc	106 Cole St, Dallas 2, Tex	
Ore	Ponder & Best Inc	115 Warren Ave, Seattle, Wash	
Pa	Alco Photo Supply Corp	17 Terminalway, Pittsburgh 19, Pa	
Pa	Raygram Corp	232 N. 11th St, Philadelphia, Pa	
RI	Eastern Photo Supply Corp	1001 Turnpike Rd, Canton, Mass	
SC	Alferd J Levit Inc	1012 E. 4th St, Charlotte 3, NC	
Tenn	Alferd J Levit Inc	704 Reid Ave, Nashville, Tenn	
Tex	Arel Inc	106 Cole St, Dallas 2, Tex	
Utah	Western Movie Supply Co., Inc	120 E. 9th S., Salt Lake City, Utah	
Vt	Eastern Photo Supply Corp	1001 Turnpike, Canton, Mass	
Va	Raygram Corp	2109-14th St, N.W., Washington, DC	
Wash	Ponder & Best Inc	114 Warren Ave, Seattle, Wash	
W. Va	Alco Photo Supply Corp	17 Terminalway, Pittsburgh 19, Pa	
Wisc	Hornstein Photo Sales Inc	320 W. Ohio St, Chicago 10, Ill	
Wyo	Arel Inc	4916 Shaw Ave, St. Louis 10, Mo	
	WOOD COUNTER LABORATORY, N	**1525 E. 53rd, Chicago 15, Ill**	**FA4-1114**
	WOOD ELECTRIC CO., INC	**244 Broad St, Lynn, Mass**	**LY8-5313**
Ariz	Airsupply-Aero Engineering Co	9815 Beverly Hills, Cal	BR2-8111
Ark	Airsupply-Aero Engineering Co	9815 Beverly Hills, Cal	BR2-8111
Cal	Airsupply-Aero Engineering Co	9815 Beverly Hills, Cal	BR2-8111
Colo	Airsupply-Aero Engineering Co	Firts Nat'l Bank Bldg, Englewood, Colo	SU9-0991
Conn	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
Del	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore, Md	VA3-4101
DC	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore, Md	VA3-4101
Fla	Airsupply-Aero Engineering Co	2050 W. Fairbanks Ave, Winter Pk, Fla	WI7114
Ga	Airsupply-Aero Engineering Co	3272 Peachtree Rd, N.E., Atlanta 5, Ga	CE7-8636
Ill	Airsupply-Aero Engineering Co	4302 Warren Ave, Hillside, Ill	AU7-5446
Ind	Airsupply-Aero Engineering Co	3440 N. Meridian St, Indianapolis 8, Ind	WA5-3528
Kan	Airsupply-Aero Engineering Co	612 S. Oliver St, Wichita, Kan	MU3-7518
[illegible]	Airsupply-Aero Engineering Co	7215 York Rd, Baltimore, Md	VA3-4101
Mass	Airsupply-Aero Engineering Co	14 Spring St, Waltham, Mass	TW4-9165
Mich	Airsupply-Aero Engineering Co	15823 W. McNichols Rd, Detroit, Mich	BR3-7238
Mo	Airsupply-Aero Engineering Co	Box 6247, St. Louis, Mo	RU1-0983
NJ	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
NY	Airsupply-Aero Engineering Co	220 Old Country Rd, Mineola, NY	PI7-8686
Ohio	Airsupply-Aero Engineering Co	911 S. James Rd, Columbus 13, Ohio	BE1-2758
Ohio	Airsupply-Aero Engineering Co	333 W. First St, Dayton, Ohio	BA4-0728
Pa	Airsupply-Aero Engineering Co	1510 Russell Rd, Paoli, Pa	TR8-1859
Tex	Airsupply-Aero Engineering Co	1209 Lake St, Ft. Worth, Tex	ED5-4541
Wash	Airsupply-Aero Engineering Co	10633 N.E. 8th St, Bellevue, Wash	GL4-7922
	WORCESTER PRESSED STEEL CO	**100 Barber Ave, Worcester 6, Mass**	**PL5-4361**
	WORKMAN TV PRODUCTS INC	**P.O. Box 5397, Sarasota, Fla**	**RI6-4241**
Cal	Simonite Lewis & Associates	10636 Burbank Blvd, N. Hollywood, Cal	ST7-1674
Cal	Sinai-Jonhson Associates Inc	895 W. Hillsdale Blvd, San Mateo, Cal	FI5-5084
Colo	Peyser & Co	1501 N. Weber St, Colorado Springs, Colo	ME4-3401
Fla	Jack Gearhner	235 Lincoln Rd, Miami Beach, Fla	JE1-0200
Ill	Herb W Knaggs	7503 Melbalane, Belleville, Ill	EX7-2398
Ind	Edwin A Schulz Co	721 Sherwood Dr, Indianapolis, Ind	CL5-1993
Md	Eberle-Schaar Co	425 Stratford Rd, Baltimore 28, Md	RI7-3227
Mass	William A Hendrickson Co	291 1st Parish Rd, Scituate, Mass	SC652
Mich	Rod D Butchart	16637 E. Warren, Detroit 24, Mich	TU2-6666
Minn	Elmer Oszman	12 E. 25th St, Minneapolis 4, Minn	FE9-3298
NY	Irv Brown Co	1500 Carroll St, Brooklyn 13, NY	HY3-1379
NY	Maury Farber	70 W. Chippewa St, Buffalo 2, NY	MO3543
NC	G F Schiffer	Box 6365, Greensboro, NC	OR4-5783
Ohio	Sid Levin Associates	6252 Mayfield Rd, Cleveland 24, Ohio	HI2-8340

TERR	MANUFACTURERS SALES/OR REPRESENTATIVES OFFICES		TEL. NO.
Pa	Al Levine	11 Jonquil Pl, Pittsburgh 34, Pa	L01-7027
Tenn	Dixie Associates	1021 8th Ave, S., Nashville, Tenn	AL5-1344
Tex	Macrae-Smith Co	Box 35113, Dallas 35, Tex	
Wash	William R Lanphear Co	3215 Western Ave, Seattle 99, Wash	AT4-8150
Wisc	D Hale Darnold	914 Kentucky St, Racine, Wisc	
Canada	E S Gould Sales Co	19 Lenover St, Montreal, Quebec, Canada	
Canada	Len Finkler & Co	1794 Avenue Rd, Toronto 12, Canada	
Foreign	Lowell Cubana Sales S A	3030 Laclede Sta Rd, St. Louis, Mo	
Foreign	George Solomon & Co	395 Broadway, New York 13, NY	

	WORNER ELECTRONIC DEVICES	**Rankin, Ill**	**EX7-4555**
Ala	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Ariz	George Sheffler Sales	Box 1587, Phoenix, Ariz	
Ark	Hal Corry Sales	6313 Hillcrest Ave, Dallas, Tex	
Cal	Koessler Sales Co	818 N. Fairfax Blvd, Los Angeles, Cal	
Colo	Moss Sales	Box 428, Greeley, Colo	
Conn	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI	
Del	J E McKinley	577 Crescent Ave, Glenside, Pa	
Fla	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Hawaii	Don Burcham Sales	510 N.W. 19th St, Portland, Ore	
Ill	Arthur H Peterson	3647 W. 62nd St, Chicago, Ill	RE5-0846
Iowa	Paul Scholtz Co	8402 Longview Rd, Hickman Mill, Mo	
La	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Me	Adams & McGregor	66 Lakeview Rd, Lincoln, RI	
Md	J E McKinley	577 Crescent Ave, Glenside, Pa	
Mass	Adams & McGregor	66 Lakeview Rd, Lincoln, RI	
Mich	A B M Sales Co	10115 Puritan Ave, Detroit, Mich	
Miss	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Mo	Paul Scholtz Co	8402 Longview Rd, Hickman Mills, Mo	
Mont	Don Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	
Neb	Paul Scholtz Co	8402 Longview Rd, Hickman Mills, Mo	
NH	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI	
NJ	J E McKinley	577 Crescent Ave, Glenside, Pa	
NM	George Sheffler	Box 1287, Phoenix, Ariz	
NY	Leonard D Allen Co	Box 32, Salina Sta, Syracuse, NY	
NY	Land-C-Air Sales	76 Main St, Tuckahoe, NY	
NC	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Ohio	John Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	
Okla	Hal Corry	6313 Hillcrest Ave, Dallas, Tex	
Ore	Don Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	
Pa	John Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	
Pa	J E McKinley	577 Crescent Ave, Glenside, Pa	
RI	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI	
SC	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Tenn	James Millar Associates	1036 Peachtree St, Atlanta, Ga	
Tex	Hal Corry	6313 Hillcrest Ave, Dallas, Tex	
Utah	Moss Sales	Box 428, Greeley, Colo	
Vt	Adams & McGregor Associates	66 Lakeview Rd, Lincoln, RI	
Va	J E McKinley	577 Crescent Ave, Glenside, Pa	
Wash	Don Burcham Co	510 N.W. 19th Ave, Portland 9, Ore	
W. Va	John Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	
Wisc	Arthur H Peterson	3647 W. 62nd St, Chicago, Ill	
Wyo	Moss Sales	Box 428, Greeley, Colo	

	WRIGHT ELECTRONICS INC	**2537 Grand, Kansas City 8, Mo**	**BA1-8686**
Cal	Frank A Emmet Co	2837 W. Pico Blvd, Los Angeles 6, Cal	RE1-8213
Cal	Loxan Sales Co	150 8th St, San Francisco, Cal	HE7-0692
Fla	Mark Electronic Sales	410 N.E. 147th Terr, N. Miami 61, Fla	WI7-5080
Ill	Lee Falkenberg	6835 W. Higgins Rd, Chicago, Ill	RO3-1844
Md	J H Electronic Sales Co	Box 6844, Towson, Md	VA5-4441
Mass	Glenn M Hathaway Electronics	238 Main, Cambridge, Mass	KI7-0380
NY	Paul D Aaron	Port Washington Blvd, Port Washington	PO7-8480
NY	Reed-Tollefson Corp	2815 Monroe, Rochester 10, NY	HI5-0450
Tex	Lawrence Sales Co	3422 Cridelle St, Dallas, Tex	FL2-7484

	WRIGHT EQUIPMENT CORP	**128 N. Main St, Milltown, NJ**	**MI8-1400**
Tex	Spartan Equipment Co	P. O. Box 302, Houston 1, Tex	OR3-2121

	WRIGHT MACHINERY CO DIV OF SPERRY RAND CORP	**Durham, NC**	**DU2-8161**
Cal	Wright Machy Co Div Sperry Rand	2200 E. Imperial Hwy, El Segundo	OR8-6226
NY	Wright Machy Co Div Sperry Rand	55 Denton Ave, New Hyde Park, NY	PR5-8100

	WRIGHT METALCOATERS INC	**255 West St, S. Hackensack, NJ**	**HU7-5136**
	WRIGHT STEEL & WIRE CO., G F	**243 Stafford St, Worcester, Mass**	**PL4-6824**
Ala	E L Hornibrook Co	Avondale Estates, Ga	DR7-4283
Ariz	G F Wright Steel & Wire Co	909 Santa Fe Ave, Los Angeles 21, Cal	MA7-8601
Ark	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
Cal	Flynn & Enslow Co	1530 17th St, San Francisco, Cal	
Cal	G F Wright Steel & Wire Co	909 Santa Fe Ave, Los Angeles 21, Cal	MA7-8601
Colo	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Del	L L Wilson Co	Villanova, Pa	LA5-5030
Del	N Linn Worthington & Co	Garrison, Md	HU6-2330
DC	H Linn Worthington & Co	Garrison, Md	HU6-2330
Fla	E L Hornibrook Co	Avondale Estates, Ga	DR7-4283
Fla	Insect Wire Screen Corp	Hialeah, Fla	TU8-1021
Ga	E L Hornibrook Co	Avondale Estates, Ga	DR7-4283
Idaho	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ill	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ind	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ind	P G MacIntosh & Co	Transportation Bldg, Cincinnati, Ohio	MA1-9381
Iowa	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Kan	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ky	P G MacIntosh & Co	Transportation Bldg, Cincinnati, Ohio	MA1-9381
La	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
Md	H Linn Worthington & Co	Garrison, Md	HU6-2330
Mich	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Minn	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Miss	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
Mo	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Mont	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Neb	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
NJ	Baldwin-McLean Inc	21 W. Putnam St, Greenwich, Conn	NO1-7500
NJ	L L Wilson Co	925 Field Ln, Villanova, Pa	LA5-5030
NM	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
NY	Baldwin McLean Inc	21 W. Putnam St, Greenwich, Conn	NO1-7500
NC	E L Hornibrook Co	Avondale Estates, Ga	DR7-4283
ND	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ohio	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Ohio	P G MacIntosh & Co	Transportation Bldg, Cincinnati, Ohio	MA1-9381
Okla	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
Pa	L L Wilson Co	925 Field Ln, Villanova, Pa	LA5-5030
SC	E L Hornibrook & Co	Avondale Estates, Ga	DR7-4283
SD	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Tex	Lawrence J Baldwin & Son	Carondelet Bldg, New Orleans 12, La	JA5-6705
Utah	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Va	H Linn Worthington & Co	Garrison, Md	HU6-2330
W. Va	H Linn Worthington & Co	Garrison, Md	HU6-2330
Wisc	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390
Wyo	G F Wright Steel & Wire Co	4956 S. Monitor Ave, Chicago 38, Ill	GL8-1390

	WRIGHT & SONS CO., WILLIAM E	**West Warren, Mass**	**HE6-7732**
Ill	Winkenwerder Sales Corp	5932 W. Gunnison St, Chicago 30, Ill	PE6-1332
Mass	James H Sullivan	38 Stoner Dr, West Hartford, Conn	JA3-5130
NJ	L K Detwiler	443 Broad St, Newark, NJ	
Ohio	Servisales Co	12417 Cedar Rd, Cleveland, Ohio	
Pa	I R Blair	18 Hilltop Rd, Philadelphia 18, Pa	CH7-1575

	WRIGHT-ZIMMERMAN INC	**New Brighton, St. Paul 12, Minn**	**ME3-3131**
Cal	Barstown & Doran	1406 S. Grand Ave, Los Angeles 15, Cal	RI9-0438
Cal	Featherstone & Salisbury	1355 Market St, San Francisco 3, Cal	UN1-1466
Colo	Pevser & Co	1510 N. Weber St, Colorado Springs, Colo	ME4-3401
Mass	Kenneth L Brown	54 Atherton Rd, Brookline 46, Mass	BE2-3969
Mich	Robert Milsk Co	19371 James Couzens Hwy, Detroit 35	BR3-3652
Ohio	Edwards Lohse & Co	2123 E. 9th St, Cleveland 15, Ohio	TO1-5753

	WROUGHT WASHER MFG CO	**2264 S. Bay St, Milwaukee 7, Wisc**	**SH4-0771**

	WUERTH TUBE SAVER CORP	**9125 Livernois Ave, Detroit 4, Mich**	**TE4-9224**
Cal	Leventhal-Dennis & Associates	5855 Melrose Ave, Hollywood, Cal	
Conn	Frank Maher Sales Co	106 Woodlawn St, West Hartford	
Del	Ferrell S Carmine Co	14 Knickerbocker Dr, Newark	
Fla	Ted Sharaf & Assoc	910 Van Buren St, Hollywood	
Mo	Collins-Havercamp Assoc	6825 N. Baltimore St, Kansas City, Mo	
Tenn	Dixie Electronic Assoc Inc	1021 8th Ave, S. Nashville, Tenn	
Tex	Camoion Sales Co	9002 Chancellor Row, Dallas, Tex	

	WURLITZER CO	**N. Tonawanda, NY**	**LU2500**

	WYBAR ELECTRONICS INC	**P. O. Box 388, Auburn, NY**	**2-2704**
Ill	L W Leight	5104 N. Neva Ave, Chicago 31, Ill	
Tenn	L W Leight	5104 N. Neva Ave, Chicago 31, Ill	

	WYCO METAL PRODUCTS	**6918 Beck Ave, Hollywood, Cal**	**ST7-5579**
Ala	Maitland K Smith	208 14th St, N.W., Atlanta, Ga	TR5-8031
Ariz	Sheffler-Kahn	240 S. 1st St, Phoenix, Ariz	AL8-7893
Ark	M F Klicpera	Box 3113, Houston, Tex	JA2-8459
Cal	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Colo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Fla	Maitland K Smith	322 Riverside Dr, Orlando Beach, Fla	
Ga	Maitland K Smith	208 14th St, N.W., Atlanta, Ga	TR5-8031
Hawaii	Rudat & Ewing	636 Waverly St, Palo Alto, Cal	DA2-5232
Idaho	J K Dooley	3215 Western Ave, Seattle, Wash	AT4-8313
Idaho	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Ill	A H Bruning	1758 W. Lawrence, Chicago, Ill	ED4-0989
Ind	Edwin A Schultz	721 Sherwood Dr, Indianapolis, Ind	BR1993
Iowa	Fred Somers	18th & Grand Ave, Kansas City, Mo	GR1-1355
Kan	Fred Somers	18th & Grand Ave, Kansas City, Mo	GR1-1355
Ky	Edwin A Schultz	721 Sherwood Dr, Indianapolis, Ind	BR1993
La	M F Klicpera	1201 Castle St, Dallas, Tex	RI2-2515
Mass	Mosher & Peyser	945 Great Plains Ave, Needham, Mass	HI4-1400
Miss	M F Klicpera	1201 Castle St, Dallas, Tex	RI2-2515
Mo	Fred Somers	18th & Grand Ave, Kansas City, Mo	GR1-1355
Mont	J K Dooley	3215 Western Ave, Seattle, Wash	AT4-8313
Mont	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Neb	Fred Somers	18th & Grand Ave, Kansas City, Mo	GR1-1355
Nev	Wyco Metal Products	6918 Beck Ave, N. Hollywood, Cal	TR7-1316
NJ	A Friedman Associates	188-16 Jamaica Ave, Jamaica, NY	SP4-800
NM	Sheffler-Kahn	240 S. 1st St, Phoenix, Ariz	AL8-7893
NY	A Friedman Associates	188-16 Jamaica Ave, Jamaica, NY	SP4-800
NY	Leo Jacobson	1366 Kenmore Ave, Buffalo, NY	DE0442
NC	Maitland K Smith	920 W. Hill St, Charlotte, NC	FR6-5950
Okla	M F Klicpera	Box 3113, Houston, Tex	JA2-8459
Ore	J K Dooley	3215 Western Ave, Seattle, Wash	AT4-8313
SC	Maitland K Smith	920 W. Hill St, Charlotte, NC	FR6-5950
Tenn	Maitland K Smith	920 W. Hill St, Charlotte, NC	FR6-5950
Tex	Sheffler-Kahn	240 S. 1st St, Phoenix, Ariz	AL8-7893
Tex	M F Klicpera	Box 3113, Houston, Tex	JA2-8459
Utah	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Wash	J K Dooley	3215 Western Ave, Seattle, Wash	AT4-8313
Wisc	A H Bruning	1758 W. Lawrence, Chicago, Ill	ED4-0989
Wyo	McLoud & Raymond	5403 E. Evans Ave, Denver, Colo	SK6-1589
Foreign	F Fernandez Fernandez	Box 2738, Havana, Cuba	
Foreign	Dage Corp	219 E. 44th St, New York, NY	MU2-6755

	WYE INDUSTRIES	**6 General Devine Way, Boston 27, Mass**	**AN9-1160**

	WYLE MFG CORP	**133 Center St, El Segundo, Cal**	**EA2-0659**
Cal	K C Bass Co	5243 E. Beverly Blvd, Los Angeles 22	OV5-8880
Cal	Howard & Company	938 N. Linden Ave, S. San Francisco, Cal	
Colo	R Allen Price	4611 Homestead, Littleton, Colo	PY4-6367
Colo	Price Engineering Sales Assoc	4611 Homestead, Littleton, Colo	
Conn	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
Del	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
DC	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
Fla	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
Ga	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
Mich	C J Dudley Co	16801 Euclid Ave, Cleveland, Ohio	IV6-1800
NJ	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
NY	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
NY	Telesco International Corp	36 W. 40th St, New York 18, NY	
Ohio	C J Dudley Co	16801 Euclid Ave, Cleveland 12, Ohio	IV6-1800
Pa	C F Russell Co., Inc	146 4th Ave, Bay Shore, NY	MO5-2623
Tex	William N Rider Jr	10940 Pinocchio Dr, Dallas, Tex	
Utah	R Allen Price	4611 Homestead Ave, Littleton, Colo	PY4-6367
Foreign	Telesco International Corp	36 W. 40th St, New York, NY	PE6-2165

	WYLE-PARAMETERS INC	**195 Herricks Rd, New Hyde Park, NY**	**PI7-8404**

	WYRCO PROJECTS INC	**66 Main St, Binghamton, NY**	**RA3-7563**

	XCELITE INC	**28 Bank St, Orchard Park, NY**	**ID4461**
Cal	Snow Sales Co	2720 S. San Pedro, Los Angeles, Cal	
Cal	Snow Sales Co	470 Alabama St, San Francisco, Cal	
Colo	Snow Sales Co	729 Broadway, Denver, Colo	
Ga	F C Nickerson Co	626 Medlock Rd, Decatur, Ga	ME6-2752
Hawaii	Jim Hastin Sales Co	Box 2098, Honolulu 5, Hawaii	511-755
Ill	Bruce Cumming & Associates	6029 W. Belmont Ave, Chicago 34, Ill	ME7-3770
Ind	Thomas & Sukup Inc	5226 N. Keystone Ave, Indianapolis, Ind	CL1-4574
Mass	Glenn M Hathaway Electronics Inc	238 Main St, Cambridge 42, Mass	KI7-0380
Mich	Lawrence F Zaffina Co	7351 Gratiot Ave, Detroit 13, Mich	WA1-2885
Minn	Marvin H Kirkeby Co	204 Sunnyridge Ln, Minneapolis 22, Minn	FR7-3239
Mo	F C Somers & Co	17th & Main Sts, Kansas City 8, Mo	GR1-1355
NY	Jerry Kirshbaum & Co	1533 Peninsula Blvd, Hewlett, NY	FR4-0111
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland 20, Ohio	SK2-5444
Pa	C H Stratton Co	514 E. Wadsworth St, Philadelphia 19	CH7-7869
Tenn	Al S Engelman Co	3205 Crump Ave, Memphis, Tenn	GL8-5263
Tex	McClintock Sales Co	2631 Commerce St, Dallas 26, Tex	RI7-1519
Wash	Snow Sales Co	1125 W. 1st St, Spokane, Wash	

	X-RAY PRODUCTS CORP	**7829 Industry Ave, Pico-Rivera, Cal**	**RA3-8625**

	YARDNEY ELECTRIC CORP	**40 Leonard St, New York, NY**	**WO6-3100**
Cal	Yardney Electric Corp	6399 Wilshire Blvd, Los Angeles 48	OL3-9444
DC	Roger W McAleer	1625 Eye St, N.W. Washington, DC	ME8-1297
Ohio	Arnold Clark	4269 Brumbough Blvd, Dayton, Ohio	CR7-7712
Tex	William Rider	10940 Pinocchio Dr, Dallas, Tex	FL7-7255

	YELLOW SPRINGS INSTRUMENT CO., INC	**P. O. Box 106E, Yellow Springs, Ohio**	**RO7-7242**

	YOKOGAWA ELECTRIC WKS INC	**40 Worth St, New York 13, NY**	**BE3-6720**

	YORK-HOOVER CORP	**York, Pa**	**5451**

	YORK METAL PRODUCTS INC	**350 Greenwich St, New York 13, NY**	**WA5-7227**

	YOUNG BROTHERS CO	**1829 Columbus Rd, Cleveland, Ohio**	**MA1-2473**

	YUBA DALMOTOR DIV YUBA CONSOLIDATED INDUSTRIES INC	**1375 El Camino Real, Santa Clara, Cal**	**CH3-9414**
Cal	Yuba Consolidated Industries Inc	3605 S. Broadway, Los Angeles 7, Cal	AD1-5111
Cal	Yuba Consolidated Industries Inc	1 Bush St, San Francisco 4, Cal	YU1-1212
Ga	Yuba Consolidated Industries Inc	805 Peachtree St, Atlanta, Ga	TR3-1618
Ill	Yuba Consolidated Industries Inc	205 W. Wacker Dr, Chicago 6, Ill	RA6-6961
NY	Yuba Consolidated Industries Inc	530 5th Ave, New York 36, NY	DX7-9140
Pa	Yuba Consolidated Industries Inc	Broad & Chestnut Sts, Philadelphia 7, Pa	LO3-3420
Pa	Yuba Consolidated Industries Inc	Pkwy Center Bldg 2, Pittsburgh, Pa	WA2-3210
Tex	Yuba Consolidated Industries Inc	1121 Walker St, Houston 2, Tex	CA8-3481
Wash	Yuba Consolidated Industries Inc	4th & Union Sts, Seattle 1, Wash	MU2-7950

	Z & W MFG CORP ELECTRONICS DIV	**30240 Lakeland Blvd, Wickliffe, Ohio**	**WH3-5700**

	ZACHARIAS ELECTRONICS CORP	**P. O. Box 172, Livingston, NJ**	**WY2-3730**
NJ	H L Hoffman & Co	35 Old Country Rd, Westbury, NY	ED4-5600
NY	H L Hoffman & Co	35 Old Country Rd, Westbury, NY	ED4-5600
Canada	Electrodesign	736 Notre Dame St, W., Montreal, Canada	UN6-7367
	ZACHARIAS CO., ROBERT	**519 S. Oakley Blvd, Chicago, Ill**	**SE3-5855**
	ZAGORA GEARS INC	**1327 S. Mint St, Charlotte 3, NC**	
	ZELL PRODUCTS CORP	**276-280 Main St, Norwalk, Conn**	**VI7-3811**
Ariz	Fryco Sales	Box 464, Scottsdale, Ariz	
Cal	Wesco Sales Co	2837 Wilshire Blvd, Santa Monica, Cal	
Fla	Mesco Inc	2617 Jewel Rd, Largo, Fla	
Minn	Hamilton & Boyle Associates	3359 Republic Ave, Minneapolis, Minn	
Mo	W E Fry & Co	6616 W. Florissant Ave, St. Louis, Mo	
Mo	W E Fry & Co	406 W. 34th St, Kansas City, Mo	
NY	John Lazor	Box 307, Rochester, NY	
NY	Dage Corp	219 E. 44th St, New York, NY	
Ohio	Augey Natalino	Box 644, Stow, Ohio	
Wash	Myron R Smith	9300 N.E. 12th St, Bellevue, Wash	
Canada	Electrodesign	736 Notre Dame St, W. Montreal, Canada	
	ZENITH ELECTRIC CO	**152 W. Walton St, Chicago, Ill**	**MI2-3322**
Cal	James Mundstock	417 Market St, Bldg, San Francisco, Cal	YU6-3935
Cal	Ed Warburg Co., Inc	1207 E. 6th, Los Angeles, Cal	MA7-1126
Fla	Bryan P Fisher	Box 42-365, Miami, Fla	MU8-3839
Ga	Kennon & Johnson	7 Camden Rd, N.E., Atlanta, Ga	TR4-5560
Ill	Clagett Engineering Sales	5118 N. 2nd St, Rockford, Ill	TR7-8239
Iowa	E T Collins & Associates	301 Plymouth Bldg, Des Moines, Iowa	AT2-1659
Ky	J L Reighart	4617 Duncan, Louisville, Ky	SP6-1682
La	N J Koller	1024 Harding Dr, New Orleans, La	HU8-4848
Md	Eastern Sales Co	1561 Lister Rd, Baltimore, Md	CI2-4700
Mass	E P McEleney Co	310 West St, Hyde Park, Mass	HY3-0039
Mich	A J Riopello Co	22434 Kendall Ave, Detroit, Mich	KE3-4598
Minn	Northwest Equipment Supply Co	1775 Selby Ave, St. Paul, Minn	MI6-6111
Mo	Chas V Dunn & Associates	715 W. 23rd St Trfwy, Kansas City, Mo	BA1-1106
NY	Fred G Kraut & Son	140 Mt. Vernon Ave, Mt. Vernon, NY	MO4-7791
NC	E T Green	3703 Kirby Dr, Greensboro, NC	BR5-3775
Ohio	Daly Co	3349 Meyer Pl, Cincinnati, Ohio	HU1-4529
Ohio	R F Reske & Associates	451 The Arcade, Cleveland, Ohio	MA1-3166
Pa	Industrial Electric Sales	Box 4003, Philadelphia, Pa	GE8-9028
Tenn	Industrial Electric Co	123 S. 11th St, Nashville, Tenn	CA7-3812
Tex	Ed Boruda	2415 Converse, Dallas, Tex	RI8-1171
Wisc	Electric Power Co	7930 N. Lake Dr, Milwaukee, Wisc	FL2-9590
Canada	Henderson-Oliver Sales	41 Springbrook Gardens, Tor, Ont, Can	BE1-3761
	ZENITH OPTICAL LABORATORY	**1940 Great Neck Rd, Copiague, NY**	**AM4-4616**
	ZENITH PLASTIC CO	**P. O. Box 91, Gardena, Cal**	**FA1-2020**

	ZENITH RADIO CORP	**6001 Dickens Ave, Chicago 39, Ill**	
	ZERO-MAX CO	**1900 Lyndale Ave, S., Minnpls, Minn**	**FR4-5520**
Cal	William H Citrin	1435 N. Blackstone Ave, Fresno 3, Cal	AM4-4177
Cal	R Meussdorffer & Associates	3487 Cahuenga Blvd, Los Angeles 28	HO2-6039
Colo	Hubert Kaub & Co	1025 Santa Fe Dr, Denver 4, Colo	MA3-4606
Fla	J H Stonhouse Co	4638 Bayshore Rd, Sarasota, Fla	EL5-6815
Ga	James E Watson Co	Box 68, Marietta, Ga	9-6423
Hawaii	Hawaii Inc	Box 1379, Honolulu 14, Hawaii	501-160
Ill	Schrade-Batterson Co	5253 W. Belmont Ave, Chicago 41, Ill	AV2-0200
Ky	Charles Gipperich Jr	Box 386, Louisville 1, Ky	GL4-4036
Mass	Fox Engineering Co	13 Eaton Ct, Wellesley Hills 82, Mass	CE5-4105
Mich	L H Flaherty Co	Box 877, Md Sq Sta, Grand Rapids, Mich	CH5-9266
Mich	C H Alexander	9915 Ingram St, Livonia, Mich	GA1-6963
Mo	Jack M Gilbert Co	Drawer D, St. Louis 19, Mo	WO2-8200
Mo	Jack M Gilbert Co	131 E. 70th St, Kansas City 13, Mo	DE3-8830
NY	C J Spacher Co	Box 203, Ithaca, New York	IT4-9829
NY	Leo J Cross Inc	90 West St, New York 6, NY	BA7-1772
NY	H Arch Mason	736 Ashland Ave, Buffalo 22, NY	LI1027
NC	Cross Sales & Engineering Co	824 Winston Ave, Greensboro, NC	GR5-6364
Ohio	Zenith Engineering Sales Co	2034 Mayview Ave, Cleveland 9, Ohio	ON1-1742
Ohio	Willey-Wray Electric Co	1523 Central Pkwy, Cincinnati 14, Ohio	PA1-4720
Okla	William H Mason Co	801 W. 23rd St, Tulsa, Okla	LU5-8138
Ore	Norman Rupp Co	103 S.W. Front Ave, Portland 4, Ore	CA8-4311
Pa	Williamson Associates Inc	139 Nevin St, Lancaster, Pa	EX7-0321
Pa	Walter N Laska	530 Sixth Ave, Pittsburgh 19, Pa	GR1-0490
Tex	L Isaacson Associates	1620 Dallas St, Houston, Tex	CA7-0237
Wisc	Holt Electric Motor Co	700 S. 5th St, Milwaukee 4, Wisc	MI5-5660
Foreign	Sales Offices/Representatives in all principal countries		
	ZERO MFG CO	**1121 Chestnut St, Burbank 71, Cal**	**VI9-5521**
Ariz	Howe & Howe	P. O. Box 10152, Phoenix, Ariz	AM5-9185
Cal	Aerol Associates	1177 University Dr, Menlo Park, Cal	DA1-1014
Cal	Ned Crawford	746 Armada Terr, San Diego, Cal	AC3-8630
Colo	Gates Co	3395 S. Bannock St, Englewood, Colo	SO1-8566
Ill	Harry Halinton Engineers	6400 N. Leoti, Chicago, Ill	RO3-2132
Ind	Wright Engineering Corp	P. O. Box 23107, Indianapolis, Ind	WA3-8888
Iowa	Engineering Services Co	1305 Oakland Garden, Cedar Rapids, Iowa	
Kan	Engineering Services Co	8325 E. Indianapolis, Wichita, Kan	MU3-3751
Md	L G White & Co	880 Bonifant St, Silver Spring, Md	JU5-3141
Mass	The Dan Greene Org Inc	P. O. Box 124, Cambridge, Mass	UN4-2220
Minn	Anderson & Associates	3825 York Ave, N., Minneapolis, Minn	JU8-2390
Mo	Engineering Services Co	4550 Main St, Kansas City, Mo	JE1-7765
NJ	SAM Associates	595 Broad Ave, Ridgefield, NJ	
NM	Gates Co	122 Harvard Dr, S.E., Albuquerque, NM	CH3-8010
NY	Midstate Research Sales Inc	327 Wellesley Rd, Syracuse, NY	GR8-8314
NY	SAM Associates	150-08 87th Ave, Jamaica, NY	OL8-8881
NC	Murphy & Cota	1106 Burke St, Winston Salem, NC	PA4-0750
NC	L G White & Co	P. O. Box 2356, Winston Salem, NC	PA5-3612
Ohio	Robert K Deonk & Associates	10005 Chippewa Rd, Brecksville, Ohio	LA1-4034
Pa	L G White & Co	134 N. Narberth, Narberth, Pa	MO4-6506
Tex	Aerol Texas	314 N. East St, Arlington, Tex	CR5-2400
Utah	Gates Co	200 S. Main St, Salt Lake City, Utah	EL9-1101
Wash	Ted E Delius	318 Westlake Ave, N., Seattle, Wash	MA4-0442
	ZEUS ENGINEERING CO., INC	**635 S. Kenmore Ave, Los Angeles 5, Cal**	**DU7-7175**

	ZIERICK MFG CORP	**Beechwood & Rockdale, New Rochelle, NY**	**NE6-8520**
Ariz	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
Cal	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
Ill	Karl D Engle Co	4724 N. Sheridan Rd, Chicago, Ill	UP8-6363
Mass	James Sanek	28 Roberta Ave, Pawtucket, RI	PA5-9552
Nil	James Sanek	28 Roberta Ave, Pawtucket, RI	PA5-9552
NM	Yarbrough Sales Co	2636 Mission St, San Marino, Cal	MU2-3331
RI	James Sanek	28 Roberta Ave, Pawtucket, RI	PA5-9552
Vt	James Sanek	28 Roberta Ave, Pawtucket, RI	PA5-9552
	ZINN INSTRUMENTS	**P. O. Box 733, Lomita, Cal**	
	ZIPPERTUBING CO	**752 S. San Pedro St, Los Angeles 14, Cal**	**MA4-6664**
Ariz	Howe & Howe	P. O. Box 10152, Phoenix, Ariz	
Cal	William J Purdy Co	312 7th St, San Francisco 3, Cal	
Conn	R H Robinson & Co	P. O. Box 147, Coventry, Conn	
Conn	The William Brand & Co., Inc	North & Valley Sts, Willimantic, Conn	
Ga	Lynd A Walkling	P. O. Box 3045, Atlanta, Ga	
Ill	Leroy W Beier Co	6518 W. North Ave, Chicago, Ill	
Kan	Thunderbird Engrg Sales & Serv Inc	6405 E. Kellogg, Wichita, Kan	
Md	James A Maguire & Co	29 Alleghany Ave, Towson, Md	
Minn	A J Warner Co	5022 29th Ave, S., Minneapolis, Minn	
Mo	Thunderbird Engrg Sales & Serv Inc	7811 Carondelet Ave, St. Louis 5, Mo	
Mo	Thunderbird Engrg Sales & Serv Inc	2826 Main St, Kansas City, Mo	
NJ	The Murray Co	25 W. Northfield Rd, Livingston, NJ	
NY	Peter F Smith	Box 301, DeWitt, NY	
NY	Wall Associates	P. O. Box 26, Buffalo, NY	
Ohio	John O Olsen Co	4016 Diehl Ave, Cincinnati, Ohio	
Ohio	John O Olsen Co	16201 Shaker Blvd, Cleveland, Ohio	
Pa	John O Olsen Co	104 Elatan Dr, Pittsburgh, Pa	
Tex	The Harper Co	P. O. Box 22351, Houston, Tex	
Wash	J K Dooley Co	3215 Western Ave, Seattle, Wash	
Canada	Mainguys Ltd	6033 Hamilton St, Montreal, Canada	
Canada	Avtex Systems Engrg Ltd	1930 Sargent Ave, Winnipeg, Canada	
Foreign	Megex	105 Quai Branly, Paris, France	
Foreign	Uni-Office Ltd	P. O. Box 1122, Rotterdam, Holland	
Foreign	Aero Materiel A B	Birger Jarlsgaten 6, Stockholm, Sweden	
Foreign	Megex	Badenerstr 588, Zurich 48, Switzerland	
	ZIRCONIUM CORP OF AMERICA	**31501 Solon Rd, Solon 39, Ohio**	**CH8-6191**
Ariz	W P Keith Co	9128 S. Norwalk, Santa Fe Springs, Cal	OX2-6119
Cal	W P Keith Co	9128 S. Norwalk, Santa Fe Springs	OX2-6119
NM	W P Keith Co	9128 S. Norwalk, Santa Fe Springs, Cal	OX2-6119
Utah	W P Keith Co	9128 S. Norwalk, Santa Fe Springs, Cal	OX2-6119
	ZOOMAR INC	**55 Sea Cliff Ave, Glen Cove, NY**	**OR6-1900**
Cal	Zoomar Inc	1586 Crossroads of the World, Hollywood	HO5-2789
		Hollywood 28, Cal	HO5-2789
	ZOPHAR MILLS INC	**115 26th St, Brooklyn 32, NY**	**SO8-0907**

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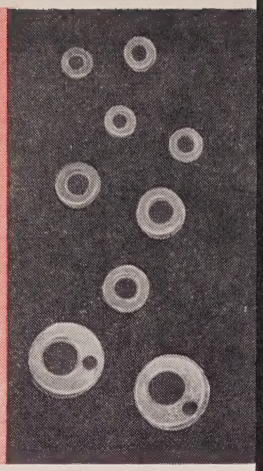

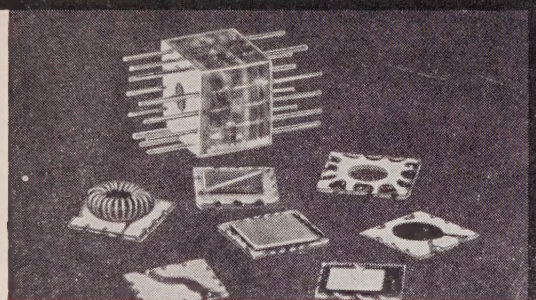

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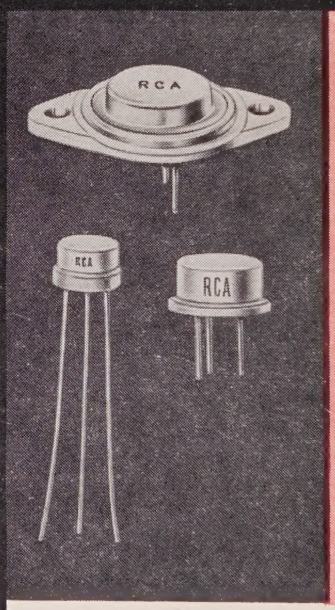

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